ALLEGATI

All.1 Curve caratteristiche delle elettropompe centrifughe Potenza 90 kW per le Stazioni di sollevamento dei Comizi irrigui n.1,3,4,5,7,8,9,10

All.2 Curve caratteristiche delle elettropompe centrifughe Potenza 110 kW per le stazioni di sollevamento dei Comizi irrigui n.2 e n.6

All.3 Report di calcolo dimensionamento in moto permanente

1. *Comizio irriguo n.1*
2. *Comizio irriguo n.2*
3. *Comizio irriguo n.3*
4. *Comizio irriguo n.4*
5. *Comizio irriguo n.5*
6. *Comizio irriguo n.6*
7. *Comizio irriguo n.7*
8. *Comizio irriguo n.8*
9. *Comizio irriguo n.9*
10. *Comizio irriguo n.10*

All.4 Verifiche in moto vario

1. *Comizio irriguo n.1*
2. *Comizio irriguo n.2*
3. *Comizio irriguo n.3*
4. *Comizio irriguo n.4*
5. *Comizio irriguo n.5*
6. *Comizio irriguo n.6*
7. *Comizio irriguo n.7*
8. *Comizio irriguo n.8*
9. *Comizio irriguo n.9*
10. *Comizio irriguo n.10*

All.5 Dimensionamento statico delle tubazioni interrate in PEAD

All.1 Curve caratteristiche delle elettropompe centrifughe Potenza 90 kW per le Stazioni di sollevamento dei Comizi irrigui n.1,3,4,5,7,8,9,10

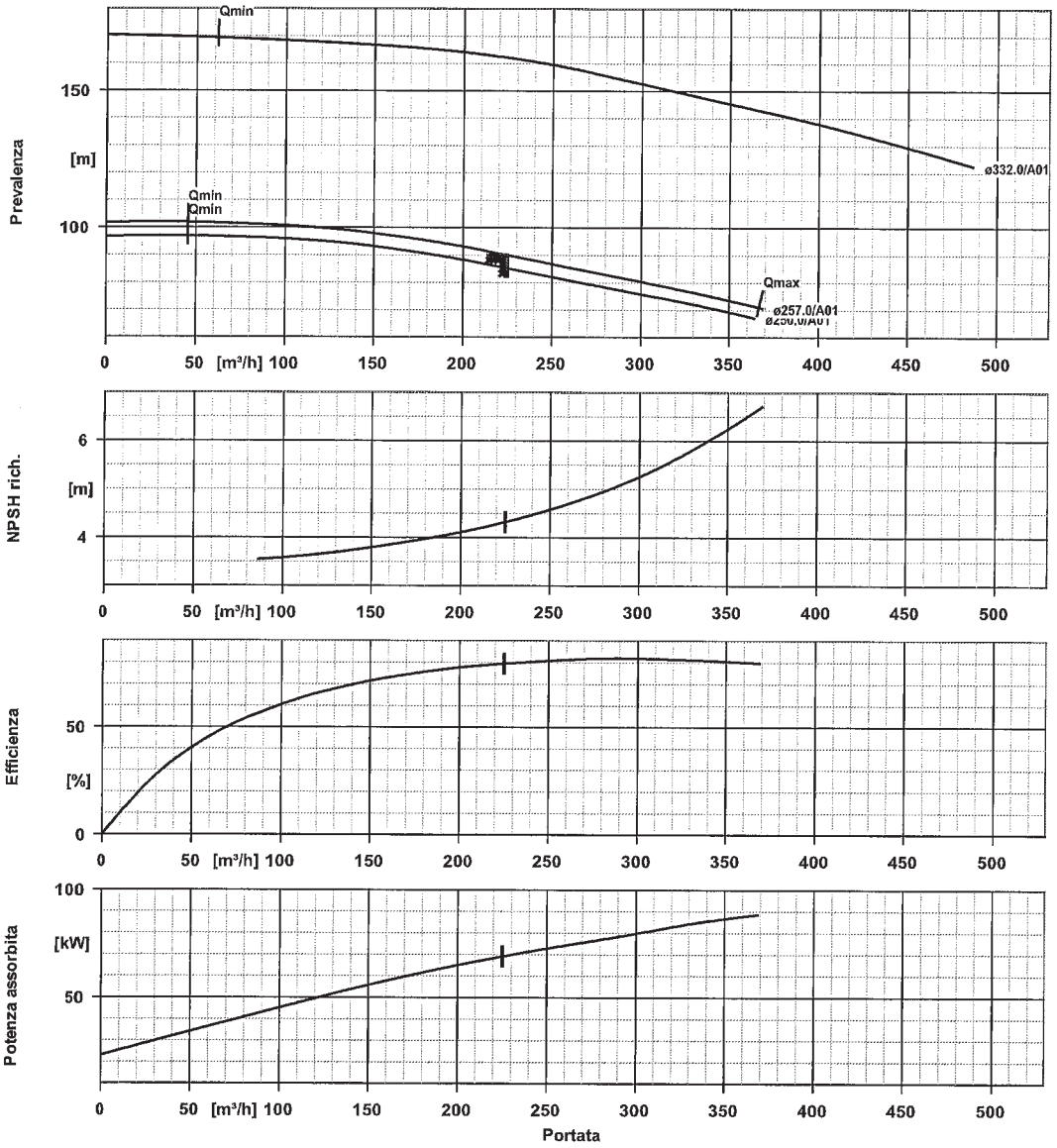
Foglio curva

N.-pos.-cliente:
Ordine datato:
Doc. nr.: Offerta veloce
Quantità: 1

Numero: ES 8000619917
Numero posizione:100
Date: 25/08/2020

ETN 125-100-315 GBSAA11GD609002B
Pompa per basse pressioni Etanorm

Versione N°: 1



Dati della curva

Velocita di rotazione	2987 rpm	Efficienza	79,6 %
Densità del liquido convogliato	998 kg/m³	MEI (Minimum Efficiency Index)	= 0,70
Viscosità	1,00 mm²/s	Potenza assorbita	69,18 kW
Portata volumetrica	225,05 m³/h	NPSH richiesto	4,32 m
Portata richiesta	225,00 m³/h	Numero della curva	K1311.452/48
Prevalenza	90,04 m	Diametro effettivo della girante	257,0 mm
Prevalenza richiesta	90,00 m		

Curva di velocità

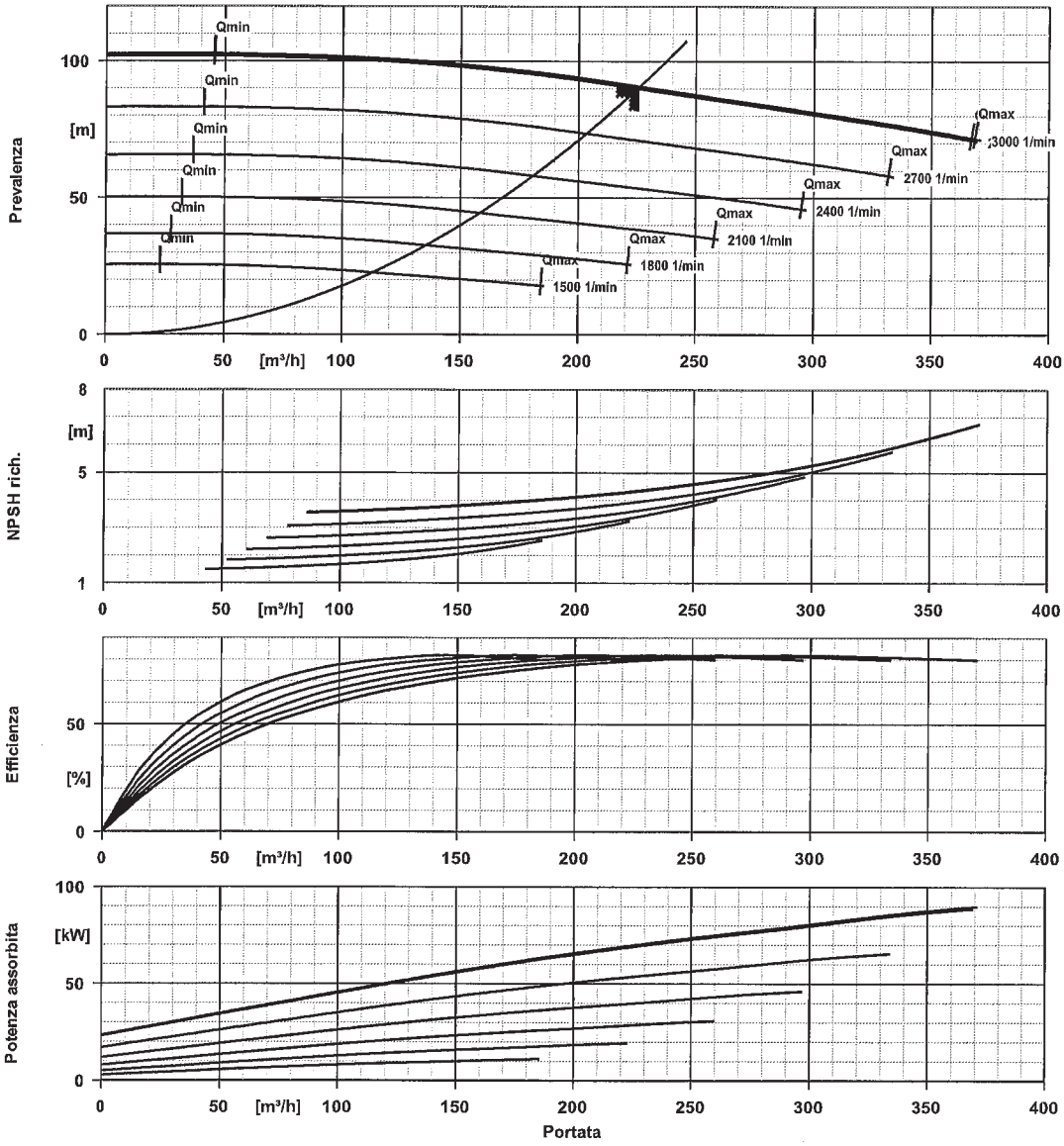
N.-pos.-cliente:
Ordine datato:
Doc. nr.: Offerta veloce
Quantità: 1

Numero: ES 8000619917
Numero posizione:100
Date: 25/08/2020

ETN 125-100-315 GBSAA11GD609002B

Versione N°: 1

Pompa per basse pressioni Etanorm



Dati della curva

Densità del liquido convogliato	998 kg/m³	Prevalenza	90,04 m
		Prevalenza richiesta	90,00 m
Viscosità	1,00 mm²/s	MEI (Minimum Efficiency Index)	= 0,70
Portata volumetrica	225,05 m³/h		
Portata richiesta	225,00 m³/h	Diametro effettivo della girante	257,0 mm

All.2 Curve caratteristiche delle elettropompe centrifughe Potenza 110 kW per le stazioni di sollevamento dei Comizi irrigui n.2 e n.6

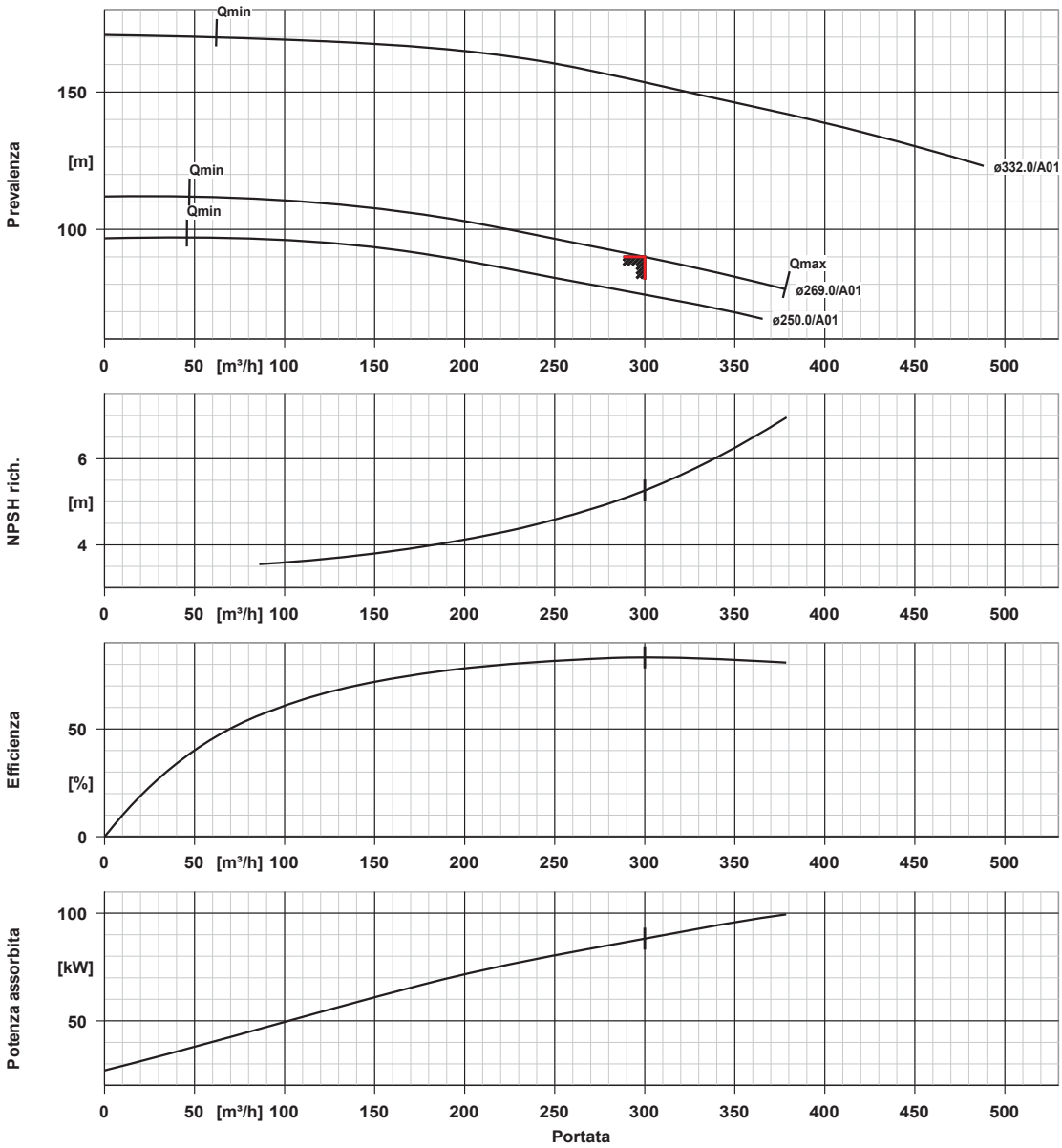
Foglio curva

N.-pos.-cliente:
Ordine datato:
Doc. nr.: Quick quote
Quantità: 1

Numero: ES 8000795873
Numero posizione:100
Date: 19/11/2020

Versione N°: 1

ETN 125-100-315 GBSAA11GD611002B
Pompa per basse pressioni Etanorm



Dati della curva

Velocita di rotazione	2988 rpm	Efficienza	83,3 %
Densità del liquido convogliato	998 kg/m³	MEI (Minimum Efficiency Index)	= 0,70
Viscosità	1,00 mm²/s	Potenza assorbita	88,17 kW
Portata volumetrica	300,01 m³/h	NPSH richiesto	5,26 m
Portata richiesta	300,00 m³/h	Numero della curva	K1311.452/48
Prevalenza	90,01 m	Diametro effettivo della girante	269,0 mm
Prevalenza richiesta	90,00 m		

Curva di velocità

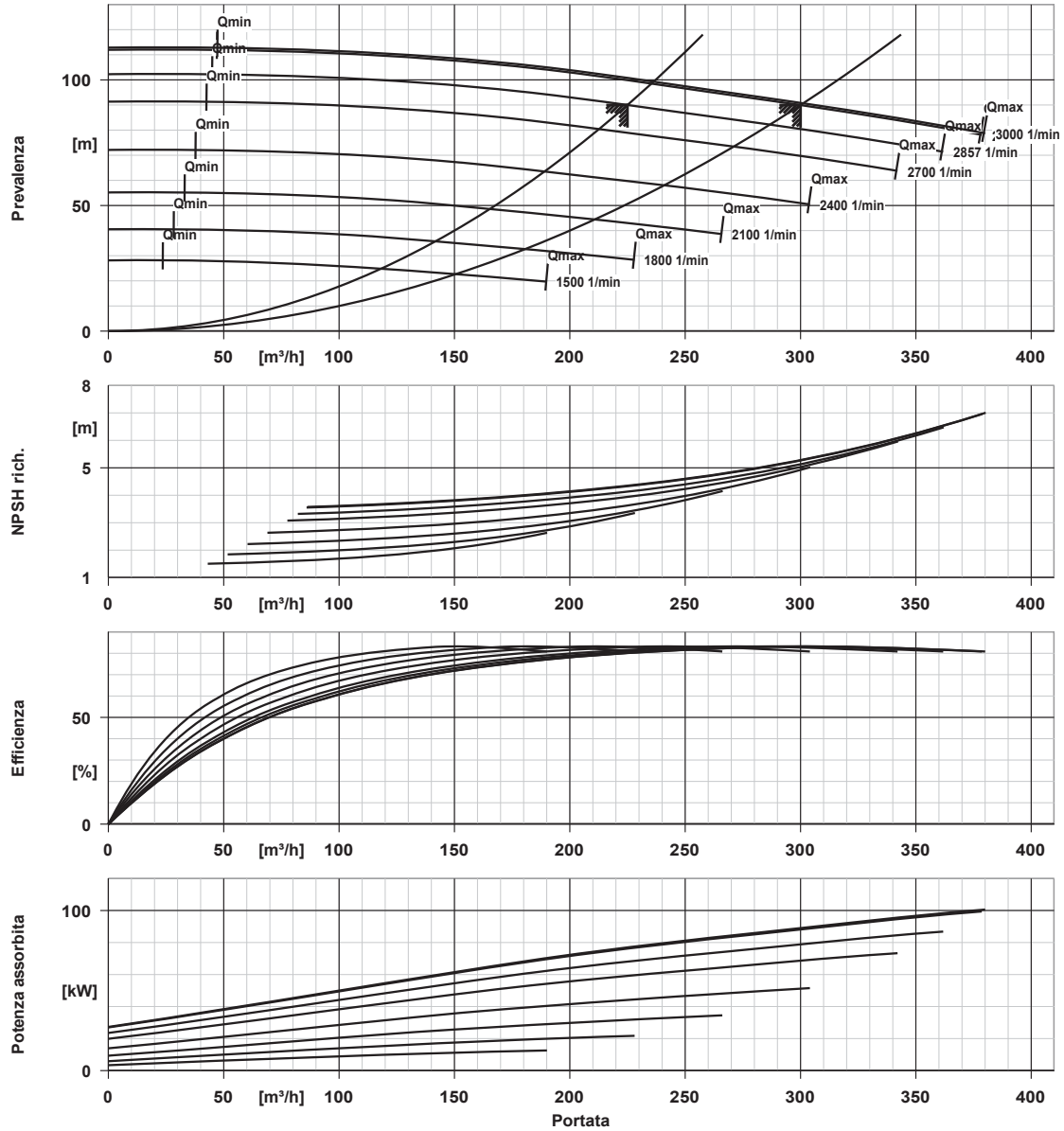
N.-pos.-cliente:
Ordine datato:
Doc. nr.: Quick quote
Quantità: 1

Numero: ES 8000795873
Numero posizione:100
Date: 19/11/2020

ETN 125-100-315 GBSAA11GD611002B

Versione N°: 1

Pompa per basse pressioni Etanorm



Dati della curva

Densità del liquido convogliato	998 kg/m³	Prevalenza	90,01 m
Viscosità	1,00 mm²/s	Prevalenza richiesta	90,00 m
Portata volumetrica	300,01 m³/h	MEI (Minimum Efficiency Index)	= 0,70
Portata richiesta	300,00 m³/h	Diametro effettivo della girante	269,0 mm

All.3 Report di calcolo dimensionamento in moto permanente

1. Comizio irriguo n.1

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

```
*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
*********************************************************************
```

Input File: Linea_1_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	405	12.2	257.8
2	405	8	123.0	257.8
3	8	404	126.7	257.8
4	404	111	209.7	257.8
5	111	403	44.5	257.8
6	403	203	13.9	257.8
7	201	9	32.7	257.8
8	9	406	214.6	257.8
9	406	112	84.2	257.8
10	112	408	20.6	257.8
11	408	204	30.7	257.8
12	203	52	59.4	229.2
13	52	53	75	229.2
14	53	54	75	229.2
15	54	116	5.6	229.2
16	116	55	69.4	229.2
17	55	56	75	229.2
18	56	306	62.9	229.2
19	306	57	12.1	229.2
20	57	58	75	229.2
21	58	59	75	229.2
22	59	60	75	229.2
23	60	117	17.7	229.2
24	117	61	57.3	229.2
25	61	62	67	229.2
26	62	307	32.7	229.2
27	111	305	24	229.2
28	305	19	86.3	229.2
29	19	20	70	229.2
30	20	109	53.4	229.2
31	109	21	16.6	229.2
32	21	22	70	229.2
33	22	23	70	229.2
34	23	24	70	229.2
35	24	25	31.7	229.2
36	204	409	16.1	229.2
37	409	410	15.1	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	410	411	114.4	229.2
39	411	412	7.6	229.2
40	412	119	142.1	229.2
41	119	70	60.9	229.2
42	70	71	90	229.2
43	71	72	90	229.2
44	72	73	75	229.2
45	73	311	30.1	229.2
46	1	101	160.0	163.6
47	101	2	40.9	163.6
48	2	401	15	163.6
49	401	3	259	229.2
50	3	202	161.0	229.2
51	202	102	69.2	229.2
52	102	4	91.5	229.2
53	4	402	141.9	229.2
54	402	301	45.7	163.6

55	301	5	134.2	163.6
56	402	6	88.6	163.6
57	6	103	26.9	163.6
58	103	7	75	163.6
59	7	39	47.7	163.6
60	201	10	57.5	229.2
61	10	105	145.2	229.2
62	105	11	203.2	229.2
63	11	12	22.6	229.2
64	12	303	88.8	229.2
65	303	302	402.8	229.2
66	302	104	27.1	229.2
67	104	13	3.7	229.2
68	13	202	70	229.2
69	25	26	70.4	163.6
70	26	27	69	163.6
71	27	108	6.5	163.6
72	108	28	62.5	163.6
73	28	29	69.1	163.6
74	29	30	49.8	163.6
75	30	304	43.4	163.6
76	304	31	26.6	163.6
77	31	32	70	163.6
78	32	33	70	163.6
79	25	34	70	163.6
80	34	35	70.2	163.6
81	35	36	70	163.6
82	36	110	22.5	163.6
83	110	37	47.5	163.6
84	37	38	69.6	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
85	307	63	50.3	163.6
86	63	118	57	163.6
87	118	64	18.0	163.6
88	64	65	84.6	163.6
89	65	66	70	163.6
90	66	308	15.8	163.6
91	308	67	54.2	163.6
92	67	68	133.4	163.6
93	68	69	133	163.6
94	201	413	106.1	163.6
95	413	113	126.3	163.6
96	113	14	234.4	163.6
97	14	114	14.7	163.6
98	114	309	3.1	163.6
99	309	15	2	163.6
100	15	115	188.7	163.6
101	115	310	251.2	163.6
102	310	16	50.5	163.6
103	16	17	281	163.6
104	17	18	145.8	163.6
105	311	74	44.9	163.6
106	74	75	75	163.6
107	75	76	75	163.6
108	76	120	10.4	163.6
109	120	77	64.6	163.6
110	77	78	75	163.6
111	78	79	69.3	163.6
112	79	80	80.7	163.6
113	80	81	75	163.6
114	81	82	88.4	163.6
115	82	83	80	163.6
116	112	407	29.1	163.6
117	407	107	140.1	163.6
118	107	40	44.5	163.6
119	40	41	65	163.6
120	41	42	65	163.6
121	42	205	57.1	163.6
122	205	43	7.9	163.6
123	43	44	65	163.6
124	44	45	65	163.6
125	45	46	65	163.6

126	46	47	65	163.6
127	47	106	37.5	163.6
128	106	48	27.5	163.6
129	48	49	65	163.6
130	49	50	65	163.6
131	50	51	65	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
201	500	601	5	200	
202	500	602	5	200	
203	500	603	5	200	
204	604	607	2.05	150	
205	605	608	2.05	150	
206	606	609	2.05	150	
207	607	608	1.5	300	
208	608	609	1.5	300	
209	609	610	0.5	300	
210	610	611	3.3	300	
211	611	201	5	300	
701	601	604	#N/A	#N/A	Pump
702	602	605	#N/A	#N/A	Pump
703	603	606	#N/A	#N/A	Pump
901	69	801	#N/A	163.6	Valve
902	801	802	#N/A	163.6	Valve
903	18	803	#N/A	163.6	Valve
904	803	804	#N/A	163.6	Valve
905	83	805	#N/A	163.6	Valve
906	805	806	#N/A	163.6	Valve
907	1	807	#N/A	163.6	Valve
908	807	808	#N/A	163.6	Valve
909	5	809	#N/A	163.6	Valve
910	809	810	#N/A	163.6	Valve
911	39	811	#N/A	163.6	Valve
912	811	812	#N/A	163.6	Valve
913	33	813	#N/A	163.6	Valve
914	813	814	#N/A	163.6	Valve
915	38	815	#N/A	163.6	Valve
916	815	816	#N/A	163.6	Valve
917	51	817	#N/A	163.6	Valve
918	817	818	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
701	100.00	75.00	0.32	76.75	76.75	0.00
702	100.00	75.00	0.32	76.80	76.80	0.00
703	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	77.88	70.61	0.00
2	0.00	79.62	71.89	0.00
3	0.00	80.16	73.51	0.00
4	0.00	79.49	73.41	0.00
5	0.00	77.01	69.21	0.00
6	0.00	77.85	71.40	0.00
7	0.00	77.01	70.82	0.00
8	0.00	92.64	86.80	0.00
9	0.00	92.97	87.02	0.00
10	0.00	92.37	86.02	0.00
11	0.00	88.12	82.02	0.00
12	0.00	87.85	81.84	0.00

13	0.00	81.47	74.56	0.00
14	0.00	89.23	83.27	0.00
15	0.00	89.06	83.03	0.00
16	0.00	85.02	79.04	0.00
17	0.00	82.71	75.60	0.00
18	0.00	81.42	74.89	0.00
19	0.00	91.31	84.94	0.00
20	0.00	91.20	84.55	0.00
21	0.00	91.09	84.30	0.00
22	0.00	90.98	84.47	0.00
23	0.00	90.86	84.63	0.00
24	0.00	90.75	84.80	0.00
25	0.00	90.67	84.78	0.00
26	0.00	90.09	83.63	0.00
27	0.00	89.52	82.44	0.00
28	0.00	88.95	82.06	0.00
29	0.00	88.38	81.77	0.00
30	0.00	87.97	81.56	0.00
31	0.00	87.40	81.05	0.00
32	0.00	86.82	80.19	0.00
33	0.00	86.16	79.25	0.00
34	0.00	90.67	84.56	0.00
35	0.00	90.67	84.28	0.00
36	0.00	90.67	84.00	0.00
37	0.00	90.67	84.10	0.00
38	0.00	90.67	84.38	0.00
39	0.00	76.53	70.58	0.00
40	0.00	90.16	83.81	0.00
41	0.00	89.63	83.54	0.00
42	0.00	89.09	82.26	0.00
43	0.00	88.55	83.09	0.00
44	0.00	88.02	82.12	0.00
45	0.00	87.48	81.32	0.00
46	0.00	86.95	80.53	0.00
47	0.00	86.41	79.73	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	85.88	79.17	0.00
49	0.00	85.34	78.89	0.00
50	0.00	84.80	78.61	0.00
51	0.00	84.27	78.34	0.00
52	0.00	91.33	84.97	0.00
53	0.00	91.22	84.55	0.00
54	0.00	91.10	84.13	0.00
55	0.00	90.98	84.27	0.00
56	0.00	90.86	84.45	0.00
57	0.00	90.74	84.53	0.00
58	0.00	90.62	84.11	0.00
59	0.00	90.50	83.69	0.00
60	0.00	90.38	83.27	0.00
61	0.00	90.26	83.19	0.00
62	0.00	90.15	83.25	0.00
63	0.00	89.68	82.88	0.00
64	0.00	89.06	82.34	0.00
65	0.00	88.36	81.68	0.00
66	0.00	87.78	81.38	0.00
67	0.00	87.21	80.66	0.00
68	0.00	86.11	79.03	0.00
69	0.00	84.93	77.31	0.00
70	0.00	91.30	84.10	0.00
71	0.00	91.16	84.32	0.00
72	0.00	91.02	84.38	0.00
73	0.00	90.90	84.96	0.00
74	0.00	90.47	84.23	0.00
75	0.00	89.85	83.31	0.00
76	0.00	89.24	82.40	0.00
77	0.00	88.62	82.00	0.00
78	0.00	88.00	81.68	0.00
79	0.00	87.43	81.39	0.00
80	0.00	86.76	80.39	0.00
81	0.00	86.14	79.47	0.00
82	0.00	85.42	78.40	0.00
83	0.00	84.67	77.33	0.00

101	0.00	79.29	71.38	0.00
102	0.00	80.02	72.98	0.00
103	0.00	77.63	71.07	0.00
104	0.00	81.52	72.44	0.00
105	0.00	90.60	83.67	0.00
106	0.00	86.10	79.27	0.00
107	0.00	90.53	84.00	0.00
108	0.00	89.47	82.33	0.00
109	0.00	91.11	84.25	0.00
110	0.00	90.67	83.91	0.00
111	0.00	91.49	84.30	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
112	0.00	91.92	84.50	0.00
113	0.00	91.16	84.27	0.00
114	0.00	89.11	81.35	0.00
115	0.00	87.51	80.72	0.00
116	0.00	91.09	84.10	0.00
117	0.00	90.35	83.17	0.00
118	0.00	89.21	82.12	0.00
119	0.00	91.40	83.96	0.00
120	0.00	89.15	82.27	0.00
201	0.00	93.07	87.77	0.00
202	0.00	80.42	74.42	0.00
203	0.00	91.43	85.33	0.00
204	0.00	91.87	85.97	0.00
205	0.00	88.62	83.02	0.00
301	0.00	78.21	72.29	0.00
302	0.00	81.85	75.96	0.00
303	0.00	86.76	81.09	0.00
304	0.00	87.62	81.38	0.00
305	0.00	91.45	85.55	0.00
306	0.00	90.76	84.60	0.00
307	0.00	90.09	83.54	0.00
308	0.00	87.65	81.32	0.00
309	0.00	89.08	83.08	0.00
310	0.00	85.44	79.65	0.00
311	0.00	90.84	84.78	0.00
401	0.00	79.75	72.06	0.00
402	0.00	78.58	72.48	0.00
403	0.00	91.45	85.09	0.00
404	0.00	92.22	86.38	0.00
405	0.00	93.03	87.68	0.00
406	0.00	92.27	85.19	0.00
407	0.00	91.68	85.59	0.00
408	0.00	91.90	85.09	0.00
409	0.00	91.85	85.53	0.00
410	0.00	91.82	85.44	0.00
411	0.00	91.64	84.80	0.00
412	0.00	91.63	84.76	0.00
413	0.00	92.20	85.82	0.00
601	0.00	8.22	-0.73	0.00
602	0.00	8.22	-0.73	0.00
603	0.00	8.21	-0.74	0.00
604	0.00	96.46	87.51	0.00
605	0.00	96.43	87.48	0.00
606	0.00	96.33	87.38	0.00
609	0.00	94.43	83.43	0.00
608	0.00	94.54	83.54	0.00
607	0.00	94.57	83.57	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
610	0.00	94.00	83.00	0.00
611	0.00	93.67	85.97	0.00
801	0.00	84.90	77.28	0.00
802	25.00	84.83	75.33	0.00
803	0.00	81.39	74.86	0.00

804	25.00	81.32	72.07	0.00	
805	0.00	84.65	77.31	0.00	
806	25.00	84.57	75.27	0.00	
807	0.00	77.86	70.59	0.00	
808	25.00	77.78	68.08	0.00	
809	0.00	76.99	69.19	0.00	
810	25.00	76.92	67.25	0.00	
811	0.00	76.51	70.56	0.00	
812	25.00	76.44	69.29	0.00	
813	0.00	86.13	79.22	0.00	
814	25.00	86.06	77.63	0.00	
815	0.00	90.67	84.38	0.00	
816	0.00	90.67	81.96	0.00	
817	0.00	84.24	78.31	0.00	
818	25.00	84.17	75.82	0.00	
500	-200.00	8.60	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	50.00	0.96	3.25	Open
2	50.00	0.96	3.25	Open
3	50.00	0.96	3.25	Open
4	50.00	0.96	3.51	Open
5	25.00	0.48	0.90	Open
6	25.00	0.48	1.24	Open
7	50.00	0.96	3.25	Open
8	50.00	0.96	3.25	Open
9	50.00	0.96	4.14	Open
10	25.00	0.48	0.90	Open
11	25.00	0.48	1.05	Open
12	25.00	0.61	1.60	Open
13	25.00	0.61	1.60	Open
14	25.00	0.61	1.60	Open
15	25.00	0.61	1.59	Open
16	25.00	0.61	1.60	Open
17	25.00	0.61	1.60	Open
18	25.00	0.61	1.60	Open
19	25.00	0.61	1.60	Open
20	25.00	0.61	1.60	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
21	25.00	0.61	1.60	Open
22	25.00	0.61	1.60	Open
23	25.00	0.61	1.60	Open
24	25.00	0.61	1.60	Open
25	25.00	0.61	1.60	Open
26	25.00	0.61	1.82	Open
27	25.00	0.61	1.59	Open
28	25.00	0.61	1.60	Open
29	25.00	0.61	1.60	Open
30	25.00	0.61	1.60	Open
31	25.00	0.61	1.59	Open
32	25.00	0.61	1.60	Open
33	25.00	0.61	1.60	Open
34	25.00	0.61	1.60	Open
35	25.00	0.61	2.54	Open
36	25.00	0.61	1.60	Open
37	25.00	0.61	1.59	Open
38	25.00	0.61	1.60	Open
39	25.00	0.61	1.60	Open
40	25.00	0.61	1.60	Open
41	25.00	0.61	1.60	Open
42	25.00	0.61	1.60	Open
43	25.00	0.61	1.60	Open
44	25.00	0.61	1.60	Open
45	25.00	0.61	1.84	Open
46	-25.00	1.19	8.78	Open
47	-25.00	1.19	8.24	Open
48	-25.00	1.19	8.24	Open
49	-25.00	0.61	1.60	Open

50	-25.00	0.61	1.60	Open
51	50.00	1.21	5.76	Open
52	50.00	1.21	5.76	Open
53	50.00	1.21	6.39	Open
54	25.00	1.19	8.24	Open
55	25.00	1.19	8.89	Open
56	25.00	1.19	8.24	Open
57	25.00	1.19	8.24	Open
58	25.00	1.19	8.24	Open
59	25.00	1.19	10.05	Open
60	75.00	1.82	12.20	Open
61	75.00	1.82	12.20	Open
62	75.00	1.82	12.20	Open
63	75.00	1.82	12.20	Open
64	75.00	1.82	12.20	Open
65	75.00	1.82	12.20	Open
66	75.00	1.82	12.20	Open
67	75.00	1.82	12.20	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
68	75.00	1.82	15.09	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.24	Open
75	25.00	1.19	8.24	Open
76	25.00	1.19	8.24	Open
77	25.00	1.19	8.24	Open
78	25.00	1.19	9.48	Open
79	0.00	0.00	0.00	Open
80	0.00	0.00	0.00	Open
81	0.00	0.00	0.00	Open
82	0.00	0.00	0.00	Open
83	0.00	0.00	0.00	Open
84	0.00	0.00	0.00	Open
85	25.00	1.19	8.24	Open
86	25.00	1.19	8.24	Open
87	25.00	1.19	8.24	Open
88	25.00	1.19	8.24	Open
89	25.00	1.19	8.24	Open
90	25.00	1.19	8.24	Open
91	25.00	1.19	8.24	Open
92	25.00	1.19	8.24	Open
93	25.00	1.19	8.89	Open
94	25.00	1.19	8.24	Open
95	25.00	1.19	8.24	Open
96	25.00	1.19	8.24	Open
97	25.00	1.19	8.24	Open
98	25.00	1.19	8.24	Open
99	25.00	1.19	8.24	Open
100	25.00	1.19	8.24	Open
101	25.00	1.19	8.24	Open
102	25.00	1.19	8.24	Open
103	25.00	1.19	8.24	Open
104	25.00	1.19	8.84	Open
105	25.00	1.19	8.24	Open
106	25.00	1.19	8.24	Open
107	25.00	1.19	8.24	Open
108	25.00	1.19	8.24	Open
109	25.00	1.19	8.24	Open
110	25.00	1.19	8.24	Open
111	25.00	1.19	8.24	Open
112	25.00	1.19	8.24	Open
113	25.00	1.19	8.24	Open
114	25.00	1.19	8.24	Open

Link Results: (continued)

Link	Flow	VelocityUnit	Headloss	Status

ID	LPS	m/s	m/km	
115	25.00	1.19	9.32	Open
116	25.00	1.19	8.24	Open
117	25.00	1.19	8.24	Open
118	25.00	1.19	8.24	Open
119	25.00	1.19	8.24	Open
120	25.00	1.19	8.24	Open
121	25.00	1.19	8.24	Open
122	25.00	1.19	8.24	Open
123	25.00	1.19	8.24	Open
124	25.00	1.19	8.24	Open
125	25.00	1.19	8.24	Open
126	25.00	1.19	8.24	Open
127	25.00	1.19	8.24	Open
128	25.00	1.19	8.24	Open
129	25.00	1.19	8.24	Open
130	25.00	1.19	8.24	Open
131	25.00	1.19	8.24	Open
201	66.55	2.12	76.56	Open
202	66.61	2.12	76.69	Open
203	66.84	2.13	77.21	Open
204	66.55	3.77	919.07	Open
205	66.61	3.77	920.70	Open
206	66.84	3.78	927.08	Open
207	66.55	0.94	19.96	Open
208	133.16	1.88	78.01	Open
209	200.00	2.83	853.29	Open
210	200.00	2.83	99.50	Open
211	200.00	2.83	119.27	Open
701	66.55	0.00	-88.24	Open Pump
702	66.61	0.00	-88.21	Open Pump
703	66.84	0.00	-88.11	Open Pump
901	25.00	1.19	0.02	Active Valve
902	25.00	1.19	0.07	Active Valve
903	25.00	1.19	0.02	Active Valve
904	25.00	1.19	0.07	Active Valve
905	25.00	1.19	0.02	Active Valve
906	25.00	1.19	0.07	Active Valve
907	25.00	1.19	0.02	Active Valve
908	25.00	1.19	0.07	Active Valve
909	25.00	1.19	0.02	Active Valve
910	25.00	1.19	0.07	Active Valve
911	25.00	1.19	0.02	Active Valve
912	25.00	1.19	0.07	Active Valve
913	25.00	1.19	0.02	Active Valve
914	25.00	1.19	0.07	Active Valve
915	0.00	0.00	0.00	Active Valve
916	0.00	0.00	0.00	Active Valve

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Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
917	25.00	1.19	0.02	Active Valve
918	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

1. *Comizio irriguo n.1*
    2. Ipotesi n.2A: alimentazione di n.8 utenze dei rami ad ovest della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
*********************************************************************
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Input File: Linea_1_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2A.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	405	12.2	257.8
2	405	8	123.0	257.8
3	8	404	126.7	257.8
4	404	111	209.7	257.8
5	111	403	44.5	257.8
6	403	203	13.9	257.8
7	201	9	32.7	257.8
8	9	406	214.6	257.8
9	406	112	84.2	257.8
10	112	408	20.6	257.8
11	408	204	30.7	257.8
12	203	52	59.4	229.2
13	52	53	75	229.2
14	53	54	75	229.2
15	54	116	5.6	229.2
16	116	55	69.4	229.2
17	55	56	75	229.2
18	56	306	62.9	229.2
19	306	57	12.1	229.2
20	57	58	75	229.2
21	58	59	75	229.2
22	59	60	75	229.2
23	60	117	17.7	229.2
24	117	61	57.3	229.2
25	61	62	67	229.2
26	62	307	32.7	229.2
27	111	305	24	229.2
28	305	19	86.3	229.2
29	19	20	70	229.2
30	20	109	53.4	229.2
31	109	21	16.6	229.2
32	21	22	70	229.2
33	22	23	70	229.2
34	23	24	70	229.2
35	24	25	31.7	229.2
36	204	409	16.1	229.2
37	409	410	15.1	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	410	411	114.4	229.2
39	411	412	7.6	229.2
40	412	119	142.1	229.2
41	119	70	60.9	229.2
42	70	71	90	229.2
43	71	72	90	229.2
44	72	73	75	229.2
45	73	311	30.1	229.2
46	1	101	160.0	163.6
47	101	2	40.9	163.6
48	2	401	15	163.6
49	401	3	259	229.2
50	3	202	161.0	229.2
51	202	102	69.2	229.2
52	102	4	91.5	229.2
53	4	402	141.9	229.2
54	402	301	45.7	163.6

55	301	5	134.2	163.6
56	402	6	88.6	163.6
57	6	103	26.9	163.6
58	103	7	75	163.6
59	7	39	47.7	163.6
60	201	10	57.5	229.2
61	10	105	145.2	229.2
62	105	11	203.2	229.2
63	11	12	22.6	229.2
64	12	303	88.8	229.2
65	303	302	402.8	229.2
66	302	104	27.1	229.2
67	104	13	3.7	229.2
68	13	202	70	229.2
69	25	26	70.4	163.6
70	26	27	69	163.6
71	27	108	6.5	163.6
72	108	28	62.5	163.6
73	28	29	69.1	163.6
74	29	30	49.8	163.6
75	30	304	43.4	163.6
76	304	31	26.6	163.6
77	31	32	70	163.6
78	32	33	70	163.6
79	25	34	70	163.6
80	34	35	70.2	163.6
81	35	36	70	163.6
82	36	110	22.5	163.6
83	110	37	47.5	163.6
84	37	38	69.6	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
85	307	63	50.3	163.6
86	63	118	57	163.6
87	118	64	18.0	163.6
88	64	65	84.6	163.6
89	65	66	70	163.6
90	66	308	15.8	163.6
91	308	67	54.2	163.6
92	67	68	133.4	163.6
93	68	69	133	163.6
94	201	413	106.1	163.6
95	413	113	126.3	163.6
96	113	14	234.4	163.6
97	14	114	14.7	163.6
98	114	309	3.1	163.6
99	309	15	2	163.6
100	15	115	188.7	163.6
101	115	310	251.2	163.6
102	310	16	50.5	163.6
103	16	17	281	163.6
104	17	18	145.8	163.6
105	311	74	44.9	163.6
106	74	75	75	163.6
107	75	76	75	163.6
108	76	120	10.4	163.6
109	120	77	64.6	163.6
110	77	78	75	163.6
111	78	79	69.3	163.6
112	79	80	80.7	163.6
113	80	81	75	163.6
114	81	82	88.4	163.6
115	82	83	80	163.6
116	112	407	29.1	163.6
117	407	107	140.1	163.6
118	107	40	44.5	163.6
119	40	41	65	163.6
120	41	42	65	163.6
121	42	205	57.1	163.6
122	205	43	7.9	163.6
123	43	44	65	163.6
124	44	45	65	163.6
125	45	46	65	163.6

126	46	47	65	163.6
127	47	106	37.5	163.6
128	106	48	27.5	163.6
129	48	49	65	163.6
130	49	50	65	163.6
131	50	51	65	163.6

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
201	500	601	5	200	
202	500	602	5	200	
203	500	603	5	200	
204	604	607	2.05	150	
205	605	608	2.05	150	
206	606	609	2.05	150	
207	607	608	1.5	300	
208	608	609	1.5	300	
209	609	610	0.5	300	
210	610	611	3.3	300	
211	611	201	5	300	
701	601	604	#N/A	#N/A	Pump
702	602	605	#N/A	#N/A	Pump
703	603	606	#N/A	#N/A	Pump
901	69	801	#N/A	163.6	Valve
902	801	802	#N/A	163.6	Valve
903	18	803	#N/A	163.6	Valve
904	803	804	#N/A	163.6	Valve
905	83	805	#N/A	163.6	Valve
906	805	806	#N/A	163.6	Valve
907	1	807	#N/A	163.6	Valve
908	807	808	#N/A	163.6	Valve
909	5	809	#N/A	163.6	Valve
910	809	810	#N/A	163.6	Valve
911	39	811	#N/A	163.6	Valve
912	811	812	#N/A	163.6	Valve
913	33	813	#N/A	163.6	Valve
914	813	814	#N/A	163.6	Valve
915	38	815	#N/A	163.6	Valve
916	815	816	#N/A	163.6	Valve
917	51	817	#N/A	163.6	Valve
918	817	818	#N/A	163.6	Valve
919	13	819	#N/A	163.6	Valve
920	819	820	#N/A	163.6	Valve
921	12	821	#N/A	163.6	Valve
134	821	822	#N/A	163.6	Valve

Page 5
Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
701	100.00	75.00	0.32	76.75	76.75	0.00
702	100.00	75.00	0.32	76.80	76.80	0.00
703	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	65.16	57.89	0.00
2	0.00	66.90	59.17	0.00
3	0.00	67.44	60.79	0.00
4	0.00	66.77	60.69	0.00
5	0.00	64.29	56.49	0.00
6	0.00	65.13	58.68	0.00
7	0.00	64.29	58.10	0.00
8	0.00	92.64	86.80	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
9	0.00	93.04	87.09	0.00
10	0.00	91.27	84.92	0.00
11	0.00	80.32	74.22	0.00
12	0.00	79.61	73.60	0.00
13	0.00	68.75	61.84	0.00
14	0.00	93.07	87.11	0.00
15	0.00	93.07	87.04	0.00
16	0.00	93.07	87.09	0.00
17	0.00	93.07	85.96	0.00
18	0.00	93.07	86.54	0.00
19	0.00	90.85	84.48	0.00
20	0.00	90.45	83.80	0.00
21	0.00	90.05	83.26	0.00
22	0.00	89.64	83.13	0.00
23	0.00	89.24	83.01	0.00
24	0.00	88.84	82.89	0.00
25	0.00	88.53	82.64	0.00
26	0.00	87.95	81.49	0.00
27	0.00	87.39	80.31	0.00
28	0.00	86.82	79.93	0.00
29	0.00	86.25	79.64	0.00
30	0.00	85.84	79.43	0.00
31	0.00	85.26	78.91	0.00
32	0.00	84.68	78.05	0.00
33	0.00	84.02	77.11	0.00
34	0.00	87.96	81.85	0.00
35	0.00	87.38	80.99	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	86.80	80.13	0.00
37	0.00	86.22	79.65	0.00
38	0.00	85.56	79.27	0.00
39	0.00	63.81	57.86	0.00
40	0.00	91.00	84.65	0.00
41	0.00	90.46	84.37	0.00
42	0.00	89.92	83.09	0.00
43	0.00	89.39	83.93	0.00
44	0.00	88.85	82.95	0.00
45	0.00	88.32	82.16	0.00
46	0.00	87.78	81.36	0.00
47	0.00	87.25	80.57	0.00
48	0.00	86.71	80.00	0.00
49	0.00	86.17	79.72	0.00
50	0.00	85.64	79.45	0.00
51	0.00	85.10	79.17	0.00
52	0.00	91.49	85.13	0.00
53	0.00	91.49	84.82	0.00
54	0.00	91.49	84.52	0.00
55	0.00	91.49	84.78	0.00
56	0.00	91.49	85.08	0.00
57	0.00	91.49	85.28	0.00
58	0.00	91.49	84.98	0.00
59	0.00	91.49	84.68	0.00
60	0.00	91.49	84.38	0.00
61	0.00	91.49	84.42	0.00
62	0.00	91.49	84.59	0.00
63	0.00	91.49	84.69	0.00
64	0.00	91.49	84.77	0.00
65	0.00	91.49	84.81	0.00
66	0.00	91.49	85.09	0.00
67	0.00	91.49	84.94	0.00
68	0.00	91.49	84.41	0.00
69	0.00	91.49	83.87	0.00
70	0.00	92.76	85.56	0.00
71	0.00	92.76	85.92	0.00
72	0.00	92.76	86.12	0.00
73	0.00	92.76	86.82	0.00
74	0.00	92.76	86.52	0.00
75	0.00	92.76	86.22	0.00
76	0.00	92.76	85.92	0.00
77	0.00	92.76	86.14	0.00
78	0.00	92.76	86.44	0.00
79	0.00	92.76	86.72	0.00

80	0.00	92.76	86.39	0.00
81	0.00	92.76	86.09	0.00
82	0.00	92.76	85.74	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
83	0.00	92.76	85.42	0.00
101	0.00	66.56	58.65	0.00
102	0.00	67.29	60.25	0.00
103	0.00	64.91	58.35	0.00
104	0.00	68.83	59.75	0.00
105	0.00	86.70	79.77	0.00
106	0.00	86.94	80.11	0.00
107	0.00	91.36	84.83	0.00
108	0.00	87.33	80.19	0.00
109	0.00	90.14	83.28	0.00
110	0.00	86.62	79.86	0.00
111	0.00	91.49	84.30	0.00
112	0.00	92.76	85.34	0.00
113	0.00	93.07	86.18	0.00
114	0.00	93.07	85.31	0.00
115	0.00	93.07	86.28	0.00
116	0.00	91.49	84.50	0.00
117	0.00	91.49	84.31	0.00
118	0.00	91.49	84.40	0.00
119	0.00	92.76	85.32	0.00
120	0.00	92.76	85.88	0.00
201	0.00	93.07	87.77	0.00
202	0.00	67.69	61.69	0.00
203	0.00	91.49	85.39	0.00
204	0.00	92.76	86.86	0.00
205	0.00	89.45	83.85	0.00
301	0.00	65.48	59.56	0.00
302	0.00	69.39	63.50	0.00
303	0.00	77.76	72.09	0.00
304	0.00	85.48	79.24	0.00
305	0.00	91.35	85.45	0.00
306	0.00	91.49	85.33	0.00
307	0.00	91.49	84.94	0.00
308	0.00	91.49	85.16	0.00
309	0.00	93.07	87.07	0.00
310	0.00	93.07	87.28	0.00
311	0.00	92.76	86.70	0.00
401	0.00	67.02	59.33	0.00
402	0.00	65.86	59.76	0.00
403	0.00	91.49	85.13	0.00
404	0.00	92.22	86.38	0.00
405	0.00	93.03	87.68	0.00
406	0.00	92.85	85.77	0.00
407	0.00	92.52	86.43	0.00
408	0.00	92.76	85.95	0.00
409	0.00	92.76	86.44	0.00
410	0.00	92.76	86.38	0.00

Page 8
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
411	0.00	92.76	85.92	0.00
412	0.00	92.76	85.89	0.00
413	0.00	93.07	86.69	0.00
601	0.00	8.22	-0.73	0.00
602	0.00	8.22	-0.73	0.00
603	0.00	8.21	-0.74	0.00
604	0.00	96.46	87.51	0.00
605	0.00	96.43	87.48	0.00
606	0.00	96.33	87.38	0.00
609	0.00	94.43	83.43	0.00
608	0.00	94.54	83.54	0.00
607	0.00	94.57	83.57	0.00
610	0.00	94.00	83.00	0.00

611	0.00	93.67	85.97	0.00	
801	0.00	91.49	83.87	0.00	
802	0.00	91.49	81.99	0.00	
803	0.00	93.07	86.54	0.00	
804	0.00	93.07	83.82	0.00	
805	0.00	92.76	85.42	0.00	
806	0.00	92.76	83.46	0.00	
807	0.00	65.13	57.86	0.00	
808	25.00	65.06	55.36	0.00	
809	0.00	64.27	56.47	0.00	
810	25.00	64.19	54.52	0.00	
811	0.00	63.79	57.84	0.00	
812	25.00	63.71	56.56	0.00	
813	0.00	83.99	77.08	0.00	
814	25.00	83.92	75.49	0.00	
815	0.00	85.54	79.25	0.00	
816	25.00	85.47	76.76	0.00	
817	0.00	85.08	79.15	0.00	
818	25.00	85.00	76.65	0.00	
819	0.00	68.72	61.81	0.00	
820	25.00	68.65	60.17	0.00	
821	0.00	79.58	73.57	0.00	
822	25.00	79.51	70.93	0.00	
500	-200.00	8.60	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	50.00	0.96	3.25	Open
2	50.00	0.96	3.25	Open
3	50.00	0.96	3.25	Open
4	50.00	0.96	3.51	Open
5	0.00	0.00	0.00	Open
6	0.00	0.00	0.00	Open
7	25.00	0.48	0.90	Open
8	25.00	0.48	0.90	Open
9	25.00	0.48	1.12	Open
10	0.00	0.00	0.00	Open
11	0.00	0.00	0.00	Open
12	0.00	0.00	0.00	Open
13	0.00	0.00	0.00	Open
14	0.00	0.00	0.00	Open
15	0.00	0.00	0.00	Open
16	0.00	0.00	0.00	Open
17	0.00	0.00	0.00	Open
18	0.00	0.00	0.00	Open
19	0.00	0.00	0.00	Open
20	0.00	0.00	0.00	Open
21	0.00	0.00	0.00	Open
22	0.00	0.00	0.00	Open
23	0.00	0.00	0.00	Open
24	0.00	0.00	0.00	Open
25	0.00	0.00	0.00	Open
26	0.00	0.00	0.00	Open
27	50.00	1.21	5.76	Open
28	50.00	1.21	5.76	Open
29	50.00	1.21	5.76	Open
30	50.00	1.21	5.76	Open
31	50.00	1.21	5.76	Open
32	50.00	1.21	5.76	Open
33	50.00	1.21	5.76	Open
34	50.00	1.21	5.76	Open
35	50.00	1.21	9.53	Open
36	0.00	0.00	0.00	Open
37	0.00	0.00	0.00	Open
38	0.00	0.00	0.00	Open
39	0.00	0.00	0.00	Open
40	0.00	0.00	0.00	Open
41	0.00	0.00	0.00	Open
42	0.00	0.00	0.00	Open
43	0.00	0.00	0.00	Open
44	0.00	0.00	0.00	Open
45	0.00	0.00	0.00	Open
46	-25.00	1.19	8.78	Open

47	-25.00	1.19	8.24	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	-25.00	1.19	8.24	Open
49	-25.00	0.61	1.60	Open
50	-25.00	0.61	1.60	Open
51	50.00	1.21	5.76	Open
52	50.00	1.21	5.76	Open
53	50.00	1.21	6.39	Open
54	25.00	1.19	8.24	Open
55	25.00	1.19	8.89	Open
56	25.00	1.19	8.24	Open
57	25.00	1.19	8.24	Open
58	25.00	1.19	8.24	Open
59	25.00	1.19	10.05	Open
60	125.00	3.03	31.42	Open
61	125.00	3.03	31.42	Open
62	125.00	3.03	31.42	Open
63	125.00	3.03	31.42	Open
64	100.00	2.42	20.79	Open
65	100.00	2.42	20.79	Open
66	100.00	2.42	20.79	Open
67	100.00	2.42	20.79	Open
68	75.00	1.82	15.09	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.24	Open
75	25.00	1.19	8.24	Open
76	25.00	1.19	8.24	Open
77	25.00	1.19	8.24	Open
78	25.00	1.19	9.48	Open
79	25.00	1.19	8.24	Open
80	25.00	1.19	8.24	Open
81	25.00	1.19	8.24	Open
82	25.00	1.19	8.24	Open
83	25.00	1.19	8.24	Open
84	25.00	1.19	9.48	Open
85	0.00	0.00	0.00	Open
86	0.00	0.00	0.00	Open
87	0.00	0.00	0.00	Open
88	0.00	0.00	0.00	Open
89	0.00	0.00	0.00	Open
90	0.00	0.00	0.00	Open
91	0.00	0.00	0.00	Open
92	0.00	0.00	0.00	Open
93	0.00	0.00	0.00	Open
94	0.00	0.00	0.00	Open

Page 11
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
95	0.00	0.00	0.00	Open
96	0.00	0.00	0.00	Open
97	0.00	0.00	0.00	Open
98	0.00	0.00	0.00	Open
99	0.00	0.00	0.00	Open
100	0.00	0.00	0.00	Open
101	0.00	0.00	0.00	Open
102	0.00	0.00	0.00	Open
103	0.00	0.00	0.00	Open
104	0.00	0.00	0.00	Open
105	0.00	0.00	0.00	Open
106	0.00	0.00	0.00	Open
107	0.00	0.00	0.00	Open
108	0.00	0.00	0.00	Open
109	0.00	0.00	0.00	Open

110	0.00	0.00	0.00	Open
111	0.00	0.00	0.00	Open
112	0.00	0.00	0.00	Open
113	0.00	0.00	0.00	Open
114	0.00	0.00	0.00	Open
115	0.00	0.00	0.00	Open
116	25.00	1.19	8.24	Open
117	25.00	1.19	8.24	Open
118	25.00	1.19	8.24	Open
119	25.00	1.19	8.24	Open
120	25.00	1.19	8.24	Open
121	25.00	1.19	8.24	Open
122	25.00	1.19	8.24	Open
123	25.00	1.19	8.24	Open
124	25.00	1.19	8.24	Open
125	25.00	1.19	8.24	Open
126	25.00	1.19	8.24	Open
127	25.00	1.19	8.24	Open
128	25.00	1.19	8.24	Open
129	25.00	1.19	8.24	Open
130	25.00	1.19	8.24	Open
131	25.00	1.19	8.24	Open
201	66.55	2.12	76.56	Open
202	66.61	2.12	76.69	Open
203	66.84	2.13	77.21	Open
204	66.55	3.77	919.06	Open
205	66.61	3.77	920.70	Open
206	66.84	3.78	927.08	Open
207	66.55	0.94	19.97	Open
208	133.16	1.88	78.01	Open
209	200.00	2.83	853.29	Open
210	200.00	2.83	99.50	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
211	200.00	2.83	119.27	Open
701	66.55	0.00	-88.24	Open Pump
702	66.61	0.00	-88.21	Open Pump
703	66.84	0.00	-88.11	Open Pump
901	0.00	0.00	0.00	Active Valve
902	0.00	0.00	0.00	Active Valve
903	0.00	0.00	0.00	Active Valve
904	0.00	0.00	0.00	Active Valve
905	0.00	0.00	0.00	Active Valve
906	0.00	0.00	0.00	Active Valve
907	25.00	1.19	0.02	Active Valve
908	25.00	1.19	0.07	Active Valve
909	25.00	1.19	0.02	Active Valve
910	25.00	1.19	0.07	Active Valve
911	25.00	1.19	0.02	Active Valve
912	25.00	1.19	0.07	Active Valve
913	25.00	1.19	0.02	Active Valve
914	25.00	1.19	0.07	Active Valve
915	25.00	1.19	0.02	Active Valve
916	25.00	1.19	0.07	Active Valve
917	25.00	1.19	0.02	Active Valve
918	25.00	1.19	0.07	Active Valve
919	25.00	1.19	0.02	Active Valve
920	25.00	1.19	0.07	Active Valve
921	25.00	1.19	0.02	Active Valve
134	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

1. *Comizio irriguo n.1*
    3. Ipotesi n.2B: alimentazione di n.6 utenze dei rami ad ovest della stazione di sollevamento;

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                         Version 2.0                                *
**********************************************************************
```

Input File: Linea_1_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2B.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	405	12.2	257.8
2	405	8	123.0	257.8
3	8	404	126.7	257.8
4	404	111	209.7	257.8
5	111	403	44.5	257.8
6	403	203	13.9	257.8
7	201	9	32.7	257.8
8	9	406	214.6	257.8
9	406	112	84.2	257.8
10	112	408	20.6	257.8
11	408	204	30.7	257.8
12	203	52	59.4	229.2
13	52	53	75	229.2
14	53	54	75	229.2
15	54	116	5.6	229.2
16	116	55	69.4	229.2
17	55	56	75	229.2
18	56	306	62.9	229.2
19	306	57	12.1	229.2
20	57	58	75	229.2
21	58	59	75	229.2
22	59	60	75	229.2
23	60	117	17.7	229.2
24	117	61	57.3	229.2
25	61	62	67	229.2
26	62	307	32.7	229.2
27	111	305	24	229.2
28	305	19	86.3	229.2
29	19	20	70	229.2
30	20	109	53.4	229.2
31	109	21	16.6	229.2
32	21	22	70	229.2
33	22	23	70	229.2
34	23	24	70	229.2
35	24	25	31.7	229.2
36	204	409	16.1	229.2
37	409	410	15.1	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	410	411	114.4	229.2
39	411	412	7.6	229.2
40	412	119	142.1	229.2
41	119	70	60.9	229.2
42	70	71	90	229.2
43	71	72	90	229.2
44	72	73	75	229.2
45	73	311	30.1	229.2
46	1	101	160.0	163.6
47	101	2	40.9	163.6
48	2	401	15	163.6
49	401	3	259	229.2
50	3	202	161.0	229.2
51	202	102	69.2	229.2
52	102	4	91.5	229.2
53	4	402	141.9	229.2
54	402	301	45.7	163.6

55	301	5	134.2	163.6
56	402	6	88.6	163.6
57	6	103	26.9	163.6
58	103	7	75	163.6
59	7	39	47.7	163.6
60	201	10	57.5	229.2
61	10	105	145.2	229.2
62	105	11	203.2	229.2
63	11	12	22.6	229.2
64	12	303	88.8	229.2
65	303	302	402.8	229.2
66	302	104	27.1	229.2
67	104	13	3.7	229.2
68	13	202	70	229.2
69	25	26	70.4	163.6
70	26	27	69	163.6
71	27	108	6.5	163.6
72	108	28	62.5	163.6
73	28	29	69.1	163.6
74	29	30	49.8	163.6
75	30	304	43.4	163.6
76	304	31	26.6	163.6
77	31	32	70	163.6
78	32	33	70	163.6
79	25	34	70	163.6
80	34	35	70.2	163.6
81	35	36	70	163.6
82	36	110	22.5	163.6
83	110	37	47.5	163.6
84	37	38	69.6	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
85	307	63	50.3	163.6
86	63	118	57	163.6
87	118	64	18.0	163.6
88	64	65	84.6	163.6
89	65	66	70	163.6
90	66	308	15.8	163.6
91	308	67	54.2	163.6
92	67	68	133.4	163.6
93	68	69	133	163.6
94	201	413	106.1	163.6
95	413	113	126.3	163.6
96	113	14	234.4	163.6
97	14	114	14.7	163.6
98	114	309	3.1	163.6
99	309	15	2	163.6
100	15	115	188.7	163.6
101	115	310	251.2	163.6
102	310	16	50.5	163.6
103	16	17	281	163.6
104	17	18	145.8	163.6
105	311	74	44.9	163.6
106	74	75	75	163.6
107	75	76	75	163.6
108	76	120	10.4	163.6
109	120	77	64.6	163.6
110	77	78	75	163.6
111	78	79	69.3	163.6
112	79	80	80.7	163.6
113	80	81	75	163.6
114	81	82	88.4	163.6
115	82	83	80	163.6
116	112	407	29.1	163.6
117	407	107	140.1	163.6
118	107	40	44.5	163.6
119	40	41	65	163.6
120	41	42	65	163.6
121	42	205	57.1	163.6
122	205	43	7.9	163.6
123	43	44	65	163.6
124	44	45	65	163.6
125	45	46	65	163.6

126	46	47	65	163.6
127	47	106	37.5	163.6
128	106	48	27.5	163.6
129	48	49	65	163.6
130	49	50	65	163.6
131	50	51	65	163.6

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
201	500	601	5	200	
202	500	602	5	200	
203	500	603	5	200	
204	604	607	2.05	150	
205	605	608	2.05	150	
206	606	609	2.05	150	
207	607	608	1.5	300	
208	608	609	1.5	300	
209	609	610	0.5	300	
210	610	611	3.3	300	
211	611	201	5	300	
701	601	604	#N/A	#N/A	Pump
702	602	605	#N/A	#N/A	Pump
703	603	606	#N/A	#N/A	Pump
901	69	801	#N/A	163.6	Valve
902	801	802	#N/A	163.6	Valve
903	18	803	#N/A	163.6	Valve
904	803	804	#N/A	163.6	Valve
905	83	805	#N/A	163.6	Valve
906	805	806	#N/A	163.6	Valve
907	1	807	#N/A	163.6	Valve
908	807	808	#N/A	163.6	Valve
909	5	809	#N/A	163.6	Valve
910	809	810	#N/A	163.6	Valve
911	39	811	#N/A	163.6	Valve
912	811	812	#N/A	163.6	Valve
913	33	813	#N/A	163.6	Valve
914	813	814	#N/A	163.6	Valve
915	38	815	#N/A	163.6	Valve
916	815	816	#N/A	163.6	Valve
917	51	817	#N/A	163.6	Valve
918	817	818	#N/A	163.6	Valve
919	13	819	#N/A	163.6	Valve
920	819	820	#N/A	163.6	Valve
921	12	821	#N/A	163.6	Valve
134	821	822	#N/A	163.6	Valve

Page 5
Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
701	100.00	75.00	0.35	62.19	62.19	0.00
702	100.00	75.00	0.35	62.24	62.24	0.00
703	100.00	75.00	0.35	62.42	62.42	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	86.61	79.34	0.00
2	0.00	88.35	80.62	0.00
3	0.00	88.89	82.24	0.00
4	0.00	88.22	82.14	0.00
5	0.00	85.74	77.94	0.00
6	0.00	86.58	80.13	0.00
7	0.00	85.74	79.55	0.00
8	0.00	101.36	95.52	0.00

9	0.00	101.77	95.82	0.00
10	0.00	101.10	94.75	0.00
11	0.00	96.85	90.75	0.00
12	0.00	96.58	90.57	0.00
13	0.00	90.20	83.29	0.00
14	0.00	101.80	95.84	0.00
15	0.00	101.80	95.77	0.00
16	0.00	101.80	95.82	0.00
17	0.00	101.80	94.69	0.00
18	0.00	101.80	95.27	0.00
19	0.00	99.58	93.21	0.00
20	0.00	99.18	92.53	0.00
21	0.00	98.77	91.98	0.00
22	0.00	98.37	91.86	0.00
23	0.00	97.97	91.74	0.00
24	0.00	97.57	91.62	0.00
25	0.00	97.26	91.37	0.00
26	0.00	96.68	90.22	0.00
27	0.00	96.11	89.03	0.00
28	0.00	95.55	88.66	0.00
29	0.00	94.98	88.37	0.00
30	0.00	94.57	88.16	0.00
31	0.00	93.99	87.64	0.00
32	0.00	93.41	86.78	0.00
33	0.00	92.75	85.84	0.00
34	0.00	96.69	90.58	0.00
35	0.00	96.11	89.72	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	95.53	88.86	0.00
37	0.00	94.95	88.38	0.00
38	0.00	94.29	88.00	0.00
39	0.00	85.26	79.31	0.00
40	0.00	99.73	93.38	0.00
41	0.00	99.19	93.10	0.00
42	0.00	98.65	91.82	0.00
43	0.00	98.12	92.66	0.00
44	0.00	97.58	91.68	0.00
45	0.00	97.05	90.89	0.00
46	0.00	96.51	90.09	0.00
47	0.00	95.98	89.30	0.00
48	0.00	95.44	88.73	0.00
49	0.00	94.90	88.45	0.00
50	0.00	94.37	88.18	0.00
51	0.00	93.83	87.90	0.00
52	0.00	100.22	93.86	0.00
53	0.00	100.22	93.55	0.00
54	0.00	100.22	93.25	0.00
55	0.00	100.22	93.51	0.00
56	0.00	100.22	93.81	0.00
57	0.00	100.22	94.01	0.00
58	0.00	100.22	93.71	0.00
59	0.00	100.22	93.41	0.00
60	0.00	100.22	93.11	0.00
61	0.00	100.22	93.15	0.00
62	0.00	100.22	93.32	0.00
63	0.00	100.22	93.42	0.00
64	0.00	100.22	93.50	0.00
65	0.00	100.22	93.54	0.00
66	0.00	100.22	93.82	0.00
67	0.00	100.22	93.67	0.00
68	0.00	100.22	93.14	0.00
69	0.00	100.22	92.60	0.00
70	0.00	101.49	94.29	0.00
71	0.00	101.49	94.65	0.00
72	0.00	101.49	94.85	0.00
73	0.00	101.49	95.55	0.00
74	0.00	101.49	95.25	0.00
75	0.00	101.49	94.95	0.00
76	0.00	101.49	94.65	0.00
77	0.00	101.49	94.87	0.00
78	0.00	101.49	95.17	0.00
79	0.00	101.49	95.45	0.00

80	0.00	101.49	95.12	0.00
81	0.00	101.49	94.82	0.00
82	0.00	101.49	94.47	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
83	0.00	101.49	94.15	0.00
101	0.00	88.01	80.10	0.00
102	0.00	88.75	81.71	0.00
103	0.00	86.36	79.80	0.00
104	0.00	90.25	81.17	0.00
105	0.00	99.33	92.40	0.00
106	0.00	95.67	88.84	0.00
107	0.00	100.09	93.56	0.00
108	0.00	96.06	88.92	0.00
109	0.00	98.87	92.01	0.00
110	0.00	95.35	88.59	0.00
111	0.00	100.22	93.03	0.00
112	0.00	101.49	94.07	0.00
113	0.00	101.80	94.91	0.00
114	0.00	101.80	94.04	0.00
115	0.00	101.80	95.01	0.00
116	0.00	100.22	93.23	0.00
117	0.00	100.22	93.04	0.00
118	0.00	100.22	93.13	0.00
119	0.00	101.49	94.05	0.00
120	0.00	101.49	94.61	0.00
201	0.00	101.80	96.50	0.00
202	0.00	89.15	83.15	0.00
203	0.00	100.22	94.12	0.00
204	0.00	101.49	95.59	0.00
205	0.00	98.18	92.58	0.00
301	0.00	86.94	81.02	0.00
302	0.00	90.58	84.69	0.00
303	0.00	95.49	89.82	0.00
304	0.00	94.21	87.97	0.00
305	0.00	100.08	94.18	0.00
306	0.00	100.22	94.06	0.00
307	0.00	100.22	93.67	0.00
308	0.00	100.22	93.89	0.00
309	0.00	101.80	95.80	0.00
310	0.00	101.80	96.01	0.00
311	0.00	101.49	95.43	0.00
401	0.00	88.48	80.79	0.00
402	0.00	87.31	81.21	0.00
403	0.00	100.22	93.86	0.00
404	0.00	100.95	95.11	0.00
405	0.00	101.76	96.41	0.00
406	0.00	101.58	94.50	0.00
407	0.00	101.25	95.16	0.00
408	0.00	101.49	94.68	0.00
409	0.00	101.49	95.17	0.00
410	0.00	101.49	95.11	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
411	0.00	101.49	94.65	0.00
412	0.00	101.49	94.62	0.00
413	0.00	101.80	95.42	0.00
601	0.00	8.38	-0.57	0.00
602	0.00	8.38	-0.57	0.00
603	0.00	8.38	-0.57	0.00
604	0.00	103.72	94.77	0.00
605	0.00	103.71	94.76	0.00
606	0.00	103.65	94.70	0.00
609	0.00	102.57	91.57	0.00
608	0.00	102.64	91.64	0.00
607	0.00	102.66	91.66	0.00
610	0.00	102.33	91.33	0.00

611	0.00	102.14	94.44	0.00	
801	0.00	100.22	92.60	0.00	
802	0.00	100.22	90.72	0.00	
803	0.00	101.80	95.27	0.00	
804	0.00	101.80	92.55	0.00	
805	0.00	101.49	94.15	0.00	
806	0.00	101.49	92.19	0.00	
807	0.00	86.58	79.31	0.00	
808	25.00	86.51	76.81	0.00	
809	0.00	85.72	77.92	0.00	
810	25.00	85.65	75.98	0.00	
811	0.00	85.24	79.29	0.00	
812	25.00	85.17	78.02	0.00	
813	0.00	92.72	85.81	0.00	
814	25.00	92.65	84.22	0.00	
815	0.00	94.27	87.98	0.00	
816	25.00	94.20	85.49	0.00	
817	0.00	93.81	87.88	0.00	
818	25.00	93.73	85.38	0.00	
819	0.00	90.20	83.29	0.00	
820	0.00	90.20	81.72	0.00	
821	0.00	96.58	90.57	0.00	
822	0.00	96.58	88.00	0.00	
500	-150.00	8.60	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	50.00	0.96	3.25	Open
2	50.00	0.96	3.25	Open
3	50.00	0.96	3.25	Open
4	50.00	0.96	3.51	Open
5	0.00	0.00	0.00	Open
6	0.00	0.00	0.00	Open
7	25.00	0.48	0.90	Open
8	25.00	0.48	0.90	Open
9	25.00	0.48	1.12	Open
10	0.00	0.00	0.00	Open
11	0.00	0.00	0.00	Open
12	0.00	0.00	0.00	Open
13	0.00	0.00	0.00	Open
14	0.00	0.00	0.00	Open
15	0.00	0.00	0.00	Open
16	0.00	0.00	0.00	Open
17	0.00	0.00	0.00	Open
18	0.00	0.00	0.00	Open
19	0.00	0.00	0.00	Open
20	0.00	0.00	0.00	Open
21	0.00	0.00	0.00	Open
22	0.00	0.00	0.00	Open
23	0.00	0.00	0.00	Open
24	0.00	0.00	0.00	Open
25	0.00	0.00	0.00	Open
26	0.00	0.00	0.00	Open
27	50.00	1.21	5.76	Open
28	50.00	1.21	5.76	Open
29	50.00	1.21	5.76	Open
30	50.00	1.21	5.76	Open
31	50.00	1.21	5.76	Open
32	50.00	1.21	5.76	Open
33	50.00	1.21	5.76	Open
34	50.00	1.21	5.76	Open
35	50.00	1.21	9.53	Open
36	0.00	0.00	0.00	Open
37	0.00	0.00	0.00	Open
38	0.00	0.00	0.00	Open
39	0.00	0.00	0.00	Open
40	0.00	0.00	0.00	Open
41	0.00	0.00	0.00	Open
42	0.00	0.00	0.00	Open
43	0.00	0.00	0.00	Open
44	0.00	0.00	0.00	Open
45	0.00	0.00	0.00	Open
46	-25.00	1.19	8.78	Open

47	-25.00	1.19	8.24	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	-25.00	1.19	8.24	Open
49	-25.00	0.61	1.60	Open
50	-25.00	0.61	1.60	Open
51	50.00	1.21	5.76	Open
52	50.00	1.21	5.76	Open
53	50.00	1.21	6.39	Open
54	25.00	1.19	8.24	Open
55	25.00	1.19	8.89	Open
56	25.00	1.19	8.24	Open
57	25.00	1.19	8.24	Open
58	25.00	1.19	8.24	Open
59	25.00	1.19	10.05	Open
60	75.00	1.82	12.20	Open
61	75.00	1.82	12.20	Open
62	75.00	1.82	12.20	Open
63	75.00	1.82	12.20	Open
64	75.00	1.82	12.20	Open
65	75.00	1.82	12.20	Open
66	75.00	1.82	12.20	Open
67	75.00	1.82	12.20	Open
68	75.00	1.82	15.09	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.24	Open
75	25.00	1.19	8.24	Open
76	25.00	1.19	8.24	Open
77	25.00	1.19	8.24	Open
78	25.00	1.19	9.48	Open
79	25.00	1.19	8.24	Open
80	25.00	1.19	8.24	Open
81	25.00	1.19	8.24	Open
82	25.00	1.19	8.24	Open
83	25.00	1.19	8.24	Open
84	25.00	1.19	9.48	Open
85	0.00	0.00	0.00	Open
86	0.00	0.00	0.00	Open
87	0.00	0.00	0.00	Open
88	0.00	0.00	0.00	Open
89	0.00	0.00	0.00	Open
90	0.00	0.00	0.00	Open
91	0.00	0.00	0.00	Open
92	0.00	0.00	0.00	Open
93	0.00	0.00	0.00	Open
94	0.00	0.00	0.00	Open

Page 11
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
95	0.00	0.00	0.00	Open
96	0.00	0.00	0.00	Open
97	0.00	0.00	0.00	Open
98	0.00	0.00	0.00	Open
99	0.00	0.00	0.00	Open
100	0.00	0.00	0.00	Open
101	0.00	0.00	0.00	Open
102	0.00	0.00	0.00	Open
103	0.00	0.00	0.00	Open
104	0.00	0.00	0.00	Open
105	0.00	0.00	0.00	Open
106	0.00	0.00	0.00	Open
107	0.00	0.00	0.00	Open
108	0.00	0.00	0.00	Open
109	0.00	0.00	0.00	Open

110	0.00	0.00	0.00	Open
111	0.00	0.00	0.00	Open
112	0.00	0.00	0.00	Open
113	0.00	0.00	0.00	Open
114	0.00	0.00	0.00	Open
115	0.00	0.00	0.00	Open
116	25.00	1.19	8.24	Open
117	25.00	1.19	8.24	Open
118	25.00	1.19	8.24	Open
119	25.00	1.19	8.24	Open
120	25.00	1.19	8.24	Open
121	25.00	1.19	8.24	Open
122	25.00	1.19	8.24	Open
123	25.00	1.19	8.24	Open
124	25.00	1.19	8.24	Open
125	25.00	1.19	8.24	Open
126	25.00	1.19	8.24	Open
127	25.00	1.19	8.24	Open
128	25.00	1.19	8.24	Open
129	25.00	1.19	8.24	Open
130	25.00	1.19	8.24	Open
131	25.00	1.19	8.24	Open
201	49.91	1.59	43.93	Open
202	49.96	1.59	44.01	Open
203	50.13	1.60	44.31	Open
204	49.91	2.82	520.47	Open
205	49.96	2.83	521.40	Open
206	50.13	2.84	525.07	Open
207	49.91	0.71	11.35	Open
208	99.87	1.41	44.31	Open
209	150.00	2.12	480.90	Open
210	150.00	2.12	56.89	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
211	150.00	2.12	68.01	Open
701	49.91	0.00	-95.34	Open Pump
702	49.96	0.00	-95.33	Open Pump
703	50.13	0.00	-95.27	Open Pump
901	0.00	0.00	0.00	Active Valve
902	0.00	0.00	0.00	Active Valve
903	0.00	0.00	0.00	Active Valve
904	0.00	0.00	0.00	Active Valve
905	0.00	0.00	0.00	Active Valve
906	0.00	0.00	0.00	Active Valve
907	25.00	1.19	0.02	Active Valve
908	25.00	1.19	0.07	Active Valve
909	25.00	1.19	0.02	Active Valve
910	25.00	1.19	0.07	Active Valve
911	25.00	1.19	0.02	Active Valve
912	25.00	1.19	0.07	Active Valve
913	25.00	1.19	0.02	Active Valve
914	25.00	1.19	0.07	Active Valve
915	25.00	1.19	0.02	Active Valve
916	25.00	1.19	0.07	Active Valve
917	25.00	1.19	0.02	Active Valve
918	25.00	1.19	0.07	Active Valve
919	0.00	0.00	0.00	Active Valve
920	0.00	0.00	0.00	Active Valve
921	0.00	0.00	0.00	Active Valve
134	0.00	0.00	0.00	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

1. *Comizio irriguo n.1*
    4. Ipotesi n.3A: alimentazione di n.8 utenze dei rami ad est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_1_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3A.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	405	12.2	257.8
2	405	8	123.0	257.8
3	8	404	126.7	257.8
4	404	111	209.7	257.8
5	111	403	44.5	257.8
6	403	203	13.9	257.8
7	201	9	32.7	257.8
8	9	406	214.6	257.8
9	406	112	84.2	257.8
10	112	408	20.6	257.8
11	408	204	30.7	257.8
12	203	52	59.4	229.2
13	52	53	75	229.2
14	53	54	75	229.2
15	54	116	5.6	229.2
16	116	55	69.4	229.2
17	55	56	75	229.2
18	56	306	62.9	229.2
19	306	57	12.1	229.2
20	57	58	75	229.2
21	58	59	75	229.2
22	59	60	75	229.2
23	60	117	17.7	229.2
24	117	61	57.3	229.2
25	61	62	67	229.2
26	62	307	32.7	229.2
27	111	305	24	229.2
28	305	19	86.3	229.2
29	19	20	70	229.2
30	20	109	53.4	229.2
31	109	21	16.6	229.2
32	21	22	70	229.2
33	22	23	70	229.2
34	23	24	70	229.2
35	24	25	31.7	229.2
36	204	409	16.1	229.2
37	409	410	15.1	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	410	411	114.4	229.2
39	411	412	7.6	229.2
40	412	119	142.1	229.2
41	119	70	60.9	229.2
42	70	71	90	229.2
43	71	72	90	229.2
44	72	73	75	229.2
45	73	311	30.1	229.2
46	1	101	160.0	163.6
47	101	2	40.9	163.6
48	2	401	15	163.6
49	401	3	259	229.2
50	3	202	161.0	229.2
51	202	102	69.2	229.2
52	102	4	91.5	229.2
53	4	402	141.9	229.2
54	402	301	45.7	163.6

55	301	5	134.2	163.6
56	402	6	88.6	163.6
57	6	103	26.9	163.6
58	103	7	75	163.6
59	7	39	47.7	163.6
60	201	10	57.5	229.2
61	10	105	145.2	229.2
62	105	11	203.2	229.2
63	11	12	22.6	229.2
64	12	303	88.8	229.2
65	303	302	402.8	229.2
66	302	104	27.1	229.2
67	104	13	3.7	229.2
68	13	202	70	229.2
69	25	26	70.4	163.6
70	26	27	69	163.6
71	27	108	6.5	163.6
72	108	28	62.5	163.6
73	28	29	69.1	163.6
74	29	30	49.8	163.6
75	30	304	43.4	163.6
76	304	31	26.6	163.6
77	31	32	70	163.6
78	32	33	70	163.6
79	25	34	70	163.6
80	34	35	70.2	163.6
81	35	36	70	163.6
82	36	110	22.5	163.6
83	110	37	47.5	163.6
84	37	38	69.6	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
85	307	63	50.3	163.6
86	63	118	57	163.6
87	118	64	18.0	163.6
88	64	65	84.6	163.6
89	65	66	70	163.6
90	66	308	15.8	163.6
91	308	67	54.2	163.6
92	67	68	133.4	163.6
93	68	69	133	163.6
94	201	413	106.1	163.6
95	413	113	126.3	163.6
96	113	14	234.4	163.6
97	14	114	14.7	163.6
98	114	309	3.1	163.6
99	309	15	2	163.6
100	15	115	188.7	163.6
101	115	310	251.2	163.6
102	310	16	50.5	163.6
103	16	17	281	163.6
104	17	18	145.8	163.6
105	311	74	44.9	163.6
106	74	75	75	163.6
107	75	76	75	163.6
108	76	120	10.4	163.6
109	120	77	64.6	163.6
110	77	78	75	163.6
111	78	79	69.3	163.6
112	79	80	80.7	163.6
113	80	81	75	163.6
114	81	82	88.4	163.6
115	82	83	80	163.6
116	112	407	29.1	163.6
117	407	107	140.1	163.6
118	107	40	44.5	163.6
119	40	41	65	163.6
120	41	42	65	163.6
121	42	205	57.1	163.6
122	205	43	7.9	163.6
123	43	44	65	163.6
124	44	45	65	163.6
125	45	46	65	163.6

126	46	47	65	163.6
127	47	106	37.5	163.6
128	106	48	27.5	163.6
129	48	49	65	163.6
130	49	50	65	163.6
131	50	51	65	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
201	500	601	5	200	
202	500	602	5	200	
203	500	603	5	200	
204	604	607	2.05	150	
205	605	608	2.05	150	
206	606	609	2.05	150	
207	607	608	1.5	300	
208	608	609	1.5	300	
209	609	610	0.5	300	
210	610	611	3.3	300	
211	611	201	5	300	
701	601	604	#N/A	#N/A	Pump
702	602	605	#N/A	#N/A	Pump
703	603	606	#N/A	#N/A	Pump
901	69	801	#N/A	163.6	Valve
902	801	802	#N/A	163.6	Valve
903	18	803	#N/A	163.6	Valve
904	803	804	#N/A	163.6	Valve
905	83	805	#N/A	163.6	Valve
906	805	806	#N/A	163.6	Valve
907	1	807	#N/A	163.6	Valve
908	807	808	#N/A	163.6	Valve
909	5	809	#N/A	163.6	Valve
910	809	810	#N/A	163.6	Valve
911	39	811	#N/A	163.6	Valve
912	811	812	#N/A	163.6	Valve
913	33	813	#N/A	163.6	Valve
914	813	814	#N/A	163.6	Valve
915	38	815	#N/A	163.6	Valve
916	815	816	#N/A	163.6	Valve
917	51	817	#N/A	163.6	Valve
918	817	818	#N/A	163.6	Valve
919	307	819	#N/A	163.6	Valve
920	819	820	#N/A	163.6	Valve
921	15	821	#N/A	163.6	Valve
922	821	822	#N/A	163.6	Valve
132	311	823	#N/A	163.6	Valve
133	823	824	#N/A	163.6	Valve
134	57	825	#N/A	163.6	Valve
135	825	826	#N/A	163.6	Valve
136	78	827	#N/A	163.6	Valve
137	827	828	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
701	100.00	75.00	0.32	76.75	76.75	0.00
702	100.00	75.00	0.32	76.80	76.80	0.00
703	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	93.07	85.80	0.00
2	0.00	93.07	85.34	0.00

3	0.00	93.07	86.42	0.00
4	0.00	93.07	86.99	0.00
5	0.00	93.07	85.27	0.00
6	0.00	93.07	86.62	0.00
7	0.00	93.07	86.88	0.00
8	0.00	92.14	86.30	0.00
9	0.00	92.85	86.90	0.00
10	0.00	93.07	86.72	0.00
11	0.00	93.07	86.97	0.00
12	0.00	93.07	87.06	0.00
13	0.00	93.07	86.16	0.00
14	0.00	79.18	73.22	0.00
15	0.00	78.25	72.22	0.00
16	0.00	74.21	68.23	0.00
17	0.00	71.89	64.78	0.00
18	0.00	70.60	64.07	0.00
19	0.00	89.70	83.33	0.00
20	0.00	89.70	83.05	0.00
21	0.00	89.70	82.91	0.00
22	0.00	89.70	83.19	0.00
23	0.00	89.70	83.47	0.00
24	0.00	89.70	83.75	0.00
25	0.00	89.70	83.81	0.00
26	0.00	89.70	83.24	0.00
27	0.00	89.70	82.62	0.00
28	0.00	89.70	82.81	0.00
29	0.00	89.70	83.09	0.00
30	0.00	89.70	83.29	0.00
31	0.00	89.70	83.35	0.00
32	0.00	89.70	83.07	0.00
33	0.00	89.70	82.79	0.00
34	0.00	89.70	83.59	0.00
35	0.00	89.70	83.31	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	89.70	83.03	0.00
37	0.00	89.70	83.13	0.00
38	0.00	89.70	83.41	0.00
39	0.00	93.07	87.12	0.00
40	0.00	90.62	84.27	0.00
41	0.00	90.62	84.53	0.00
42	0.00	90.62	83.79	0.00
43	0.00	90.62	85.16	0.00
44	0.00	90.62	84.72	0.00
45	0.00	90.62	84.46	0.00
46	0.00	90.62	84.20	0.00
47	0.00	90.62	83.94	0.00
48	0.00	90.62	83.91	0.00
49	0.00	90.62	84.17	0.00
50	0.00	90.62	84.43	0.00
51	0.00	90.62	84.69	0.00
52	0.00	88.53	82.17	0.00
53	0.00	87.62	80.95	0.00
54	0.00	86.70	79.73	0.00
55	0.00	85.79	79.08	0.00
56	0.00	84.87	78.46	0.00
57	0.00	83.96	77.75	0.00
58	0.00	83.53	77.02	0.00
59	0.00	83.10	76.29	0.00
60	0.00	82.66	75.55	0.00
61	0.00	82.23	75.16	0.00
62	0.00	81.85	74.95	0.00
63	0.00	81.12	74.32	0.00
64	0.00	80.50	73.78	0.00
65	0.00	79.81	73.13	0.00
66	0.00	79.23	72.83	0.00
67	0.00	78.65	72.10	0.00
68	0.00	77.55	70.47	0.00
69	0.00	76.37	68.75	0.00
70	0.00	85.88	78.68	0.00
71	0.00	84.79	77.95	0.00
72	0.00	83.69	77.05	0.00
73	0.00	82.77	76.83	0.00

74	0.00	81.00	74.76	0.00
75	0.00	78.77	72.23	0.00
76	0.00	76.54	69.70	0.00
77	0.00	74.31	67.69	0.00
78	0.00	72.08	65.76	0.00
79	0.00	71.50	65.46	0.00
80	0.00	70.84	64.47	0.00
81	0.00	70.22	63.55	0.00
82	0.00	69.49	62.47	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
83	0.00	68.75	61.41	0.00
101	0.00	93.07	85.16	0.00
102	0.00	93.07	86.03	0.00
103	0.00	93.07	86.51	0.00
104	0.00	93.07	83.99	0.00
105	0.00	93.07	86.14	0.00
106	0.00	90.62	83.79	0.00
107	0.00	90.62	84.09	0.00
108	0.00	89.70	82.56	0.00
109	0.00	89.70	82.84	0.00
110	0.00	89.70	82.94	0.00
111	0.00	89.70	82.51	0.00
112	0.00	90.62	83.20	0.00
113	0.00	86.16	79.27	0.00
114	0.00	78.75	70.99	0.00
115	0.00	76.69	69.90	0.00
116	0.00	86.64	79.65	0.00
117	0.00	82.56	75.38	0.00
118	0.00	80.65	73.56	0.00
119	0.00	86.63	79.19	0.00
120	0.00	76.23	69.35	0.00
201	0.00	93.07	87.77	0.00
202	0.00	93.07	87.07	0.00
203	0.00	89.26	83.16	0.00
204	0.00	90.23	84.33	0.00
205	0.00	90.62	85.02	0.00
301	0.00	93.07	87.15	0.00
302	0.00	93.07	87.18	0.00
303	0.00	93.07	87.40	0.00
304	0.00	89.70	83.46	0.00
305	0.00	89.70	83.80	0.00
306	0.00	84.11	77.95	0.00
307	0.00	81.54	74.99	0.00
308	0.00	79.10	72.77	0.00
309	0.00	78.66	72.66	0.00
310	0.00	74.62	68.83	0.00
311	0.00	82.34	76.28	0.00
401	0.00	93.07	85.38	0.00
402	0.00	93.07	86.97	0.00
403	0.00	89.40	83.04	0.00
404	0.00	91.27	85.43	0.00
405	0.00	92.99	87.64	0.00
406	0.00	91.37	84.29	0.00
407	0.00	90.62	84.53	0.00
408	0.00	90.48	83.67	0.00
409	0.00	90.03	83.71	0.00
410	0.00	89.85	83.47	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
411	0.00	88.45	81.61	0.00
412	0.00	88.36	81.49	0.00
413	0.00	89.92	83.54	0.00
601	0.00	8.22	-0.73	0.00
602	0.00	8.22	-0.73	0.00
603	0.00	8.21	-0.74	0.00
604	0.00	96.46	87.51	0.00

605	0.00	96.43	87.48	0.00	
606	0.00	96.33	87.38	0.00	
609	0.00	94.43	83.43	0.00	
608	0.00	94.54	83.54	0.00	
607	0.00	94.57	83.57	0.00	
610	0.00	94.00	83.00	0.00	
611	0.00	93.67	85.97	0.00	
801	0.00	76.35	68.73	0.00	
802	25.00	76.27	66.77	0.00	
803	0.00	70.58	64.05	0.00	
804	25.00	70.51	61.26	0.00	
805	0.00	68.72	61.38	0.00	
806	25.00	68.65	59.35	0.00	
807	0.00	93.07	85.80	0.00	
808	0.00	93.07	83.37	0.00	
809	0.00	93.07	85.27	0.00	
810	0.00	93.07	83.40	0.00	
811	0.00	93.07	87.12	0.00	
812	0.00	93.07	85.92	0.00	
813	0.00	89.70	82.79	0.00	
814	0.00	89.70	81.27	0.00	
815	0.00	89.70	83.41	0.00	
816	0.00	89.70	80.99	0.00	
817	0.00	90.62	84.69	0.00	
818	0.00	90.62	82.27	0.00	
819	0.00	81.51	74.96	0.00	
820	25.00	81.44	72.22	0.00	
821	0.00	78.23	72.20	0.00	
822	25.00	78.15	69.88	0.00	
823	0.00	82.31	76.25	0.00	
824	25.00	82.24	73.19	0.00	
825	0.00	83.93	77.72	0.00	
826	25.00	83.86	74.84	0.00	
827	0.00	72.05	65.73	0.00	
828	25.00	71.98	62.94	0.00	
500	-200.00	8.60	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	75.00	1.44	6.88	Open
2	75.00	1.44	6.88	Open
3	75.00	1.44	6.88	Open
4	75.00	1.44	7.48	Open
5	75.00	1.44	6.88	Open
6	75.00	1.44	9.91	Open
7	75.00	1.44	6.88	Open
8	75.00	1.44	6.88	Open
9	75.00	1.44	8.88	Open
10	75.00	1.44	6.88	Open
11	75.00	1.44	8.25	Open
12	75.00	1.82	12.20	Open
13	75.00	1.82	12.20	Open
14	75.00	1.82	12.20	Open
15	75.00	1.82	12.20	Open
16	75.00	1.82	12.20	Open
17	75.00	1.82	12.20	Open
18	75.00	1.82	12.20	Open
19	75.00	1.82	12.20	Open
20	50.00	1.21	5.76	Open
21	50.00	1.21	5.76	Open
22	50.00	1.21	5.76	Open
23	50.00	1.21	5.76	Open
24	50.00	1.21	5.76	Open
25	50.00	1.21	5.76	Open
26	50.00	1.21	9.42	Open
27	0.00	0.00	0.00	Open
28	0.00	0.00	0.00	Open
29	0.00	0.00	0.00	Open
30	0.00	0.00	0.00	Open
31	0.00	0.00	0.00	Open
32	0.00	0.00	0.00	Open
33	0.00	0.00	0.00	Open
34	0.00	0.00	0.00	Open

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
35	0.00	0.00	0.00	Open
36	75.00	1.82	12.20	Open
37	75.00	1.82	12.20	Open
38	75.00	1.82	12.20	Open
39	75.00	1.82	12.20	Open
40	75.00	1.82	12.20	Open
41	75.00	1.82	12.20	Open
42	75.00	1.82	12.20	Open
43	75.00	1.82	12.20	Open
44	75.00	1.82	12.20	Open
45	75.00	1.82	14.44	Open
46	0.00	0.00	0.00	Open
47	0.00	0.00	0.00	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	0.00	0.00	0.00	Open
49	0.00	0.00	0.00	Open
50	0.00	0.00	0.00	Open
51	0.00	0.00	0.00	Open
52	0.00	0.00	0.00	Open
53	0.00	0.00	0.00	Open
54	0.00	0.00	0.00	Open
55	0.00	0.00	0.00	Open
56	0.00	0.00	0.00	Open
57	0.00	0.00	0.00	Open
58	0.00	0.00	0.00	Open
59	0.00	0.00	0.00	Open
60	0.00	0.00	0.00	Open
61	0.00	0.00	0.00	Open
62	0.00	0.00	0.00	Open
63	0.00	0.00	0.00	Open
64	0.00	0.00	0.00	Open
65	0.00	0.00	0.00	Open
66	0.00	0.00	0.00	Open
67	0.00	0.00	0.00	Open
68	0.00	0.00	0.00	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
71	0.00	0.00	0.00	Open
72	0.00	0.00	0.00	Open
73	0.00	0.00	0.00	Open
74	0.00	0.00	0.00	Open
75	0.00	0.00	0.00	Open
76	0.00	0.00	0.00	Open
77	0.00	0.00	0.00	Open
78	0.00	0.00	0.00	Open
79	0.00	0.00	0.00	Open
80	0.00	0.00	0.00	Open
81	0.00	0.00	0.00	Open
82	0.00	0.00	0.00	Open
83	0.00	0.00	0.00	Open
84	0.00	0.00	0.00	Open
85	25.00	1.19	8.24	Open
86	25.00	1.19	8.24	Open
87	25.00	1.19	8.24	Open
88	25.00	1.19	8.24	Open
89	25.00	1.19	8.24	Open
90	25.00	1.19	8.24	Open
91	25.00	1.19	8.24	Open
92	25.00	1.19	8.24	Open
93	25.00	1.19	8.89	Open
94	50.00	2.38	29.75	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
95	50.00	2.38	29.75	Open
96	50.00	2.38	29.75	Open
97	50.00	2.38	29.75	Open

98	50.00	2.38	29.75	Open
99	50.00	2.38	202.67	Open
100	25.00	1.19	8.24	Open
101	25.00	1.19	8.24	Open
102	25.00	1.19	8.24	Open
103	25.00	1.19	8.24	Open
104	25.00	1.19	8.84	Open
105	50.00	2.38	29.75	Open
106	50.00	2.38	29.75	Open
107	50.00	2.38	29.75	Open
108	50.00	2.38	29.75	Open
109	50.00	2.38	29.75	Open
110	50.00	2.38	29.75	Open
111	25.00	1.19	8.24	Open
112	25.00	1.19	8.24	Open
113	25.00	1.19	8.24	Open
114	25.00	1.19	8.24	Open
115	25.00	1.19	9.32	Open
116	0.00	0.00	0.00	Open
117	0.00	0.00	0.00	Open
118	0.00	0.00	0.00	Open
119	0.00	0.00	0.00	Open
120	0.00	0.00	0.00	Open
121	0.00	0.00	0.00	Open
122	0.00	0.00	0.00	Open
123	0.00	0.00	0.00	Open
124	0.00	0.00	0.00	Open
125	0.00	0.00	0.00	Open
126	0.00	0.00	0.00	Open
127	0.00	0.00	0.00	Open
128	0.00	0.00	0.00	Open
129	0.00	0.00	0.00	Open
130	0.00	0.00	0.00	Open
131	0.00	0.00	0.00	Open
201	66.55	2.12	76.56	Open
202	66.61	2.12	76.69	Open
203	66.84	2.13	77.21	Open
204	66.55	3.77	919.07	Open
205	66.61	3.77	920.70	Open
206	66.84	3.78	927.08	Open
207	66.55	0.94	19.97	Open
208	133.16	1.88	78.00	Open
209	200.00	2.83	853.31	Open
210	200.00	2.83	99.50	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
211	200.00	2.83	119.27	Open
701	66.55	0.00	-88.24	Open Pump
702	66.61	0.00	-88.21	Open Pump
703	66.84	0.00	-88.11	Open Pump
901	25.00	1.19	0.02	Active Valve
902	25.00	1.19	0.07	Active Valve
903	25.00	1.19	0.02	Active Valve
904	25.00	1.19	0.07	Active Valve
905	25.00	1.19	0.02	Active Valve
906	25.00	1.19	0.07	Active Valve
907	0.00	0.00	0.00	Active Valve
908	0.00	0.00	0.00	Active Valve
909	0.00	0.00	0.00	Active Valve
910	0.00	0.00	0.00	Active Valve
911	0.00	0.00	0.00	Active Valve
912	0.00	0.00	0.00	Active Valve
913	0.00	0.00	0.00	Active Valve
914	0.00	0.00	0.00	Active Valve
915	0.00	0.00	0.00	Active Valve
916	0.00	0.00	0.00	Active Valve
917	0.00	0.00	0.00	Active Valve
918	0.00	0.00	0.00	Active Valve
919	25.00	1.19	0.02	Active Valve
920	25.00	1.19	0.07	Active Valve
921	25.00	1.19	0.02	Active Valve
922	25.00	1.19	0.07	Active Valve
132	25.00	1.19	0.02	Active Valve

133	25.00	1.19	0.07	Active Valve
134	25.00	1.19	0.02	Active Valve
135	25.00	1.19	0.07	Active Valve
136	25.00	1.19	0.02	Active Valve
137	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

1. *Comizio irriguo n.1*
    5. Ipotesi n.3B: alimentazione di n.6 utenze dei rami ad est della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
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Input File: Linea_1_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3B.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	405	12.2	257.8
2	405	8	123.0	257.8
3	8	404	126.7	257.8
4	404	111	209.7	257.8
5	111	403	44.5	257.8
6	403	203	13.9	257.8
7	201	9	32.7	257.8
8	9	406	214.6	257.8
9	406	112	84.2	257.8
10	112	408	20.6	257.8
11	408	204	30.7	257.8
12	203	52	59.4	229.2
13	52	53	75	229.2
14	53	54	75	229.2
15	54	116	5.6	229.2
16	116	55	69.4	229.2
17	55	56	75	229.2
18	56	306	62.9	229.2
19	306	57	12.1	229.2
20	57	58	75	229.2
21	58	59	75	229.2
22	59	60	75	229.2
23	60	117	17.7	229.2
24	117	61	57.3	229.2
25	61	62	67	229.2
26	62	307	32.7	229.2
27	111	305	24	229.2
28	305	19	86.3	229.2
29	19	20	70	229.2
30	20	109	53.4	229.2
31	109	21	16.6	229.2
32	21	22	70	229.2
33	22	23	70	229.2
34	23	24	70	229.2
35	24	25	31.7	229.2
36	204	409	16.1	229.2
37	409	410	15.1	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	410	411	114.4	229.2
39	411	412	7.6	229.2
40	412	119	142.1	229.2
41	119	70	60.9	229.2
42	70	71	90	229.2
43	71	72	90	229.2
44	72	73	75	229.2
45	73	311	30.1	229.2
46	1	101	160.0	163.6
47	101	2	40.9	163.6
48	2	401	15	163.6
49	401	3	259	229.2
50	3	202	161.0	229.2
51	202	102	69.2	229.2
52	102	4	91.5	229.2
53	4	402	141.9	229.2
54	402	301	45.7	163.6

55	301	5	134.2	163.6
56	402	6	88.6	163.6
57	6	103	26.9	163.6
58	103	7	75	163.6
59	7	39	47.7	163.6
60	201	10	57.5	229.2
61	10	105	145.2	229.2
62	105	11	203.2	229.2
63	11	12	22.6	229.2
64	12	303	88.8	229.2
65	303	302	402.8	229.2
66	302	104	27.1	229.2
67	104	13	3.7	229.2
68	13	202	70	229.2
69	25	26	70.4	163.6
70	26	27	69	163.6
71	27	108	6.5	163.6
72	108	28	62.5	163.6
73	28	29	69.1	163.6
74	29	30	49.8	163.6
75	30	304	43.4	163.6
76	304	31	26.6	163.6
77	31	32	70	163.6
78	32	33	70	163.6
79	25	34	70	163.6
80	34	35	70.2	163.6
81	35	36	70	163.6
82	36	110	22.5	163.6
83	110	37	47.5	163.6
84	37	38	69.6	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
85	307	63	50.3	163.6
86	63	118	57	163.6
87	118	64	18.0	163.6
88	64	65	84.6	163.6
89	65	66	70	163.6
90	66	308	15.8	163.6
91	308	67	54.2	163.6
92	67	68	133.4	163.6
93	68	69	133	163.6
94	201	413	106.1	163.6
95	413	113	126.3	163.6
96	113	14	234.4	163.6
97	14	114	14.7	163.6
98	114	309	3.1	163.6
99	309	15	2	163.6
100	15	115	188.7	163.6
101	115	310	251.2	163.6
102	310	16	50.5	163.6
103	16	17	281	163.6
104	17	18	145.8	163.6
105	311	74	44.9	163.6
106	74	75	75	163.6
107	75	76	75	163.6
108	76	120	10.4	163.6
109	120	77	64.6	163.6
110	77	78	75	163.6
111	78	79	69.3	163.6
112	79	80	80.7	163.6
113	80	81	75	163.6
114	81	82	88.4	163.6
115	82	83	80	163.6
116	112	407	29.1	163.6
117	407	107	140.1	163.6
118	107	40	44.5	163.6
119	40	41	65	163.6
120	41	42	65	163.6
121	42	205	57.1	163.6
122	205	43	7.9	163.6
123	43	44	65	163.6
124	44	45	65	163.6
125	45	46	65	163.6

126	46	47	65	163.6
127	47	106	37.5	163.6
128	106	48	27.5	163.6
129	48	49	65	163.6
130	49	50	65	163.6
131	50	51	65	163.6

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
201	500	601	5	200	
202	500	602	5	200	
203	500	603	5	200	
204	604	607	2.05	150	
205	605	608	2.05	150	
206	606	609	2.05	150	
207	607	608	1.5	300	
208	608	609	1.5	300	
209	609	610	0.5	300	
210	610	611	3.3	300	
211	611	201	5	300	
701	601	604	#N/A	#N/A	Pump
702	602	605	#N/A	#N/A	Pump
703	603	606	#N/A	#N/A	Pump
901	69	801	#N/A	163.6	Valve
902	801	802	#N/A	163.6	Valve
903	18	803	#N/A	163.6	Valve
904	803	804	#N/A	163.6	Valve
905	83	805	#N/A	163.6	Valve
906	805	806	#N/A	163.6	Valve
907	1	807	#N/A	163.6	Valve
908	807	808	#N/A	163.6	Valve
909	5	809	#N/A	163.6	Valve
910	809	810	#N/A	163.6	Valve
911	39	811	#N/A	163.6	Valve
912	811	812	#N/A	163.6	Valve
913	33	813	#N/A	163.6	Valve
914	813	814	#N/A	163.6	Valve
915	38	815	#N/A	163.6	Valve
916	815	816	#N/A	163.6	Valve
917	51	817	#N/A	163.6	Valve
918	817	818	#N/A	163.6	Valve
919	307	819	#N/A	163.6	Valve
920	819	820	#N/A	163.6	Valve
921	15	821	#N/A	163.6	Valve
922	821	822	#N/A	163.6	Valve
132	311	823	#N/A	163.6	Valve
133	823	824	#N/A	163.6	Valve
134	57	825	#N/A	163.6	Valve
135	825	826	#N/A	163.6	Valve
136	78	827	#N/A	163.6	Valve
137	827	828	#N/A	163.6	Valve

Page 5
Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
701	100.00	75.00	0.35	62.19	62.19	0.00
702	100.00	75.00	0.35	62.24	62.24	0.00
703	100.00	75.00	0.35	62.42	62.42	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	101.80	94.53	0.00
2	0.00	101.80	94.07	0.00

3	0.00	101.80	95.15	0.00
4	0.00	101.80	95.72	0.00
5	0.00	101.80	94.00	0.00
6	0.00	101.80	95.35	0.00
7	0.00	101.80	95.61	0.00
8	0.00	101.36	95.52	0.00
9	0.00	101.70	95.75	0.00
10	0.00	101.80	95.45	0.00
11	0.00	101.80	95.70	0.00
12	0.00	101.80	95.79	0.00
13	0.00	101.80	94.89	0.00
14	0.00	87.91	81.95	0.00
15	0.00	86.98	80.95	0.00
16	0.00	82.94	76.96	0.00
17	0.00	80.62	73.51	0.00
18	0.00	79.33	72.80	0.00
19	0.00	100.22	93.85	0.00
20	0.00	100.22	93.57	0.00
21	0.00	100.22	93.43	0.00
22	0.00	100.22	93.71	0.00
23	0.00	100.22	93.99	0.00
24	0.00	100.22	94.27	0.00
25	0.00	100.22	94.33	0.00
26	0.00	100.22	93.76	0.00
27	0.00	100.22	93.14	0.00
28	0.00	100.22	93.33	0.00
29	0.00	100.22	93.61	0.00
30	0.00	100.22	93.81	0.00
31	0.00	100.22	93.87	0.00
32	0.00	100.22	93.59	0.00
33	0.00	100.22	93.31	0.00
34	0.00	100.22	94.11	0.00
35	0.00	100.22	93.83	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	100.22	93.55	0.00
37	0.00	100.22	93.65	0.00
38	0.00	100.22	93.93	0.00
39	0.00	101.80	95.85	0.00
40	0.00	100.65	94.30	0.00
41	0.00	100.65	94.56	0.00
42	0.00	100.65	93.82	0.00
43	0.00	100.65	95.19	0.00
44	0.00	100.65	94.75	0.00
45	0.00	100.65	94.49	0.00
46	0.00	100.65	94.23	0.00
47	0.00	100.65	93.97	0.00
48	0.00	100.65	93.94	0.00
49	0.00	100.65	94.20	0.00
50	0.00	100.65	94.46	0.00
51	0.00	100.65	94.72	0.00
52	0.00	99.67	93.31	0.00
53	0.00	99.23	92.56	0.00
54	0.00	98.80	91.83	0.00
55	0.00	98.37	91.66	0.00
56	0.00	97.94	91.53	0.00
57	0.00	97.51	91.30	0.00
58	0.00	97.07	90.56	0.00
59	0.00	96.64	89.83	0.00
60	0.00	96.21	89.10	0.00
61	0.00	95.78	88.71	0.00
62	0.00	95.39	88.49	0.00
63	0.00	94.67	87.87	0.00
64	0.00	94.05	87.33	0.00
65	0.00	93.35	86.67	0.00
66	0.00	92.78	86.38	0.00
67	0.00	92.20	85.65	0.00
68	0.00	91.10	84.02	0.00
69	0.00	89.92	82.30	0.00
70	0.00	98.42	91.22	0.00
71	0.00	97.90	91.06	0.00
72	0.00	97.38	90.74	0.00
73	0.00	96.95	91.01	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
74	0.00	95.41	89.17	0.00
75	0.00	93.18	86.64	0.00
76	0.00	90.95	84.11	0.00
77	0.00	88.71	82.09	0.00
78	0.00	86.48	80.16	0.00
79	0.00	85.91	79.87	0.00
80	0.00	85.25	78.88	0.00
81	0.00	84.63	77.96	0.00
82	0.00	83.90	76.88	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
83	0.00	83.15	75.81	0.00
101	0.00	101.80	93.89	0.00
102	0.00	101.80	94.76	0.00
103	0.00	101.80	95.24	0.00
104	0.00	101.80	92.72	0.00
105	0.00	101.80	94.87	0.00
106	0.00	100.65	93.82	0.00
107	0.00	100.65	94.12	0.00
108	0.00	100.22	93.08	0.00
109	0.00	100.22	93.36	0.00
110	0.00	100.22	93.46	0.00
111	0.00	100.22	93.03	0.00
112	0.00	100.65	93.23	0.00
113	0.00	94.89	88.00	0.00
114	0.00	87.48	79.72	0.00
115	0.00	85.42	78.63	0.00
116	0.00	98.77	91.78	0.00
117	0.00	96.11	88.93	0.00
118	0.00	94.20	87.11	0.00
119	0.00	98.77	91.33	0.00
120	0.00	90.64	83.76	0.00
201	0.00	101.80	96.50	0.00
202	0.00	101.80	95.80	0.00
203	0.00	100.01	93.91	0.00
204	0.00	100.47	94.57	0.00
205	0.00	100.65	95.05	0.00
301	0.00	101.80	95.88	0.00
302	0.00	101.80	95.91	0.00
303	0.00	101.80	96.13	0.00
304	0.00	100.22	93.98	0.00
305	0.00	100.22	94.32	0.00
306	0.00	97.58	91.42	0.00
307	0.00	95.09	88.54	0.00
308	0.00	92.65	86.32	0.00
309	0.00	87.38	81.38	0.00
310	0.00	83.35	77.56	0.00
311	0.00	96.74	90.68	0.00
401	0.00	101.80	94.11	0.00
402	0.00	101.80	95.70	0.00
403	0.00	100.07	93.71	0.00
404	0.00	100.95	95.11	0.00
405	0.00	101.76	96.41	0.00
406	0.00	101.00	93.92	0.00
407	0.00	100.65	94.56	0.00
408	0.00	100.59	93.78	0.00
409	0.00	100.37	94.05	0.00
410	0.00	100.29	93.91	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
411	0.00	99.63	92.79	0.00
412	0.00	99.58	92.71	0.00
413	0.00	98.65	92.27	0.00
601	0.00	8.38	-0.57	0.00
602	0.00	8.38	-0.57	0.00
603	0.00	8.38	-0.57	0.00
604	0.00	103.72	94.77	0.00

605	0.00	103.71	94.76	0.00	
606	0.00	103.65	94.70	0.00	
609	0.00	102.57	91.57	0.00	
608	0.00	102.64	91.64	0.00	
607	0.00	102.66	91.66	0.00	
610	0.00	102.33	91.33	0.00	
611	0.00	102.14	94.44	0.00	
801	0.00	89.89	82.27	0.00	
802	25.00	89.82	80.32	0.00	
803	0.00	79.31	72.78	0.00	
804	25.00	79.23	69.98	0.00	
805	0.00	83.13	75.79	0.00	
806	25.00	83.05	73.75	0.00	
807	0.00	101.80	94.53	0.00	
808	0.00	101.80	92.10	0.00	
809	0.00	101.80	94.00	0.00	
810	0.00	101.80	92.13	0.00	
811	0.00	101.80	95.85	0.00	
812	0.00	101.80	94.65	0.00	
813	0.00	100.22	93.31	0.00	
814	0.00	100.22	91.79	0.00	
815	0.00	100.22	93.93	0.00	
816	0.00	100.22	91.51	0.00	
817	0.00	100.65	94.72	0.00	
818	0.00	100.65	92.30	0.00	
819	0.00	95.06	88.51	0.00	
820	25.00	94.99	85.77	0.00	
821	0.00	86.95	80.92	0.00	
822	25.00	86.88	78.61	0.00	
823	0.00	96.74	90.68	0.00	
824	0.00	96.74	87.69	0.00	
825	0.00	97.51	91.30	0.00	
826	0.00	97.51	88.49	0.00	
827	0.00	86.46	80.14	0.00	
828	25.00	86.38	77.34	0.00	
500	-150.00	8.60	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	50.00	0.96	3.25	Open
2	50.00	0.96	3.25	Open
3	50.00	0.96	3.25	Open
4	50.00	0.96	3.51	Open
5	50.00	0.96	3.25	Open
6	50.00	0.96	4.59	Open
7	50.00	0.96	3.25	Open
8	50.00	0.96	3.25	Open
9	50.00	0.96	4.14	Open
10	50.00	0.96	3.25	Open
11	50.00	0.96	3.86	Open
12	50.00	1.21	5.76	Open
13	50.00	1.21	5.76	Open
14	50.00	1.21	5.76	Open
15	50.00	1.21	5.76	Open
16	50.00	1.21	5.76	Open
17	50.00	1.21	5.76	Open
18	50.00	1.21	5.76	Open
19	50.00	1.21	5.76	Open
20	50.00	1.21	5.76	Open
21	50.00	1.21	5.76	Open
22	50.00	1.21	5.76	Open
23	50.00	1.21	5.76	Open
24	50.00	1.21	5.76	Open
25	50.00	1.21	5.76	Open
26	50.00	1.21	9.42	Open
27	0.00	0.00	0.00	Open
28	0.00	0.00	0.00	Open
29	0.00	0.00	0.00	Open
30	0.00	0.00	0.00	Open
31	0.00	0.00	0.00	Open
32	0.00	0.00	0.00	Open
33	0.00	0.00	0.00	Open
34	0.00	0.00	0.00	Open

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
35	0.00	0.00	0.00	Open
36	50.00	1.21	5.76	Open
37	50.00	1.21	5.76	Open
38	50.00	1.21	5.76	Open
39	50.00	1.21	5.76	Open
40	50.00	1.21	5.76	Open
41	50.00	1.21	5.76	Open
42	50.00	1.21	5.76	Open
43	50.00	1.21	5.76	Open
44	50.00	1.21	5.76	Open
45	50.00	1.21	6.75	Open
46	0.00	0.00	0.00	Open
47	0.00	0.00	0.00	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	0.00	0.00	0.00	Open
49	0.00	0.00	0.00	Open
50	0.00	0.00	0.00	Open
51	0.00	0.00	0.00	Open
52	0.00	0.00	0.00	Open
53	0.00	0.00	0.00	Open
54	0.00	0.00	0.00	Open
55	0.00	0.00	0.00	Open
56	0.00	0.00	0.00	Open
57	0.00	0.00	0.00	Open
58	0.00	0.00	0.00	Open
59	0.00	0.00	0.00	Open
60	0.00	0.00	0.00	Open
61	0.00	0.00	0.00	Open
62	0.00	0.00	0.00	Open
63	0.00	0.00	0.00	Open
64	0.00	0.00	0.00	Open
65	0.00	0.00	0.00	Open
66	0.00	0.00	0.00	Open
67	0.00	0.00	0.00	Open
68	0.00	0.00	0.00	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
71	0.00	0.00	0.00	Open
72	0.00	0.00	0.00	Open
73	0.00	0.00	0.00	Open
74	0.00	0.00	0.00	Open
75	0.00	0.00	0.00	Open
76	0.00	0.00	0.00	Open
77	0.00	0.00	0.00	Open
78	0.00	0.00	0.00	Open
79	0.00	0.00	0.00	Open
80	0.00	0.00	0.00	Open
81	0.00	0.00	0.00	Open
82	0.00	0.00	0.00	Open
83	0.00	0.00	0.00	Open
84	0.00	0.00	0.00	Open
85	25.00	1.19	8.24	Open
86	25.00	1.19	8.24	Open
87	25.00	1.19	8.24	Open
88	25.00	1.19	8.24	Open
89	25.00	1.19	8.24	Open
90	25.00	1.19	8.24	Open
91	25.00	1.19	8.24	Open
92	25.00	1.19	8.24	Open
93	25.00	1.19	8.89	Open
94	50.00	2.38	29.75	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
95	50.00	2.38	29.75	Open
96	50.00	2.38	29.75	Open
97	50.00	2.38	29.75	Open

98	50.00	2.38	29.75	Open
99	50.00	2.38	202.67	Open
100	25.00	1.19	8.24	Open
101	25.00	1.19	8.24	Open
102	25.00	1.19	8.24	Open
103	25.00	1.19	8.24	Open
104	25.00	1.19	8.84	Open
105	50.00	2.38	29.75	Open
106	50.00	2.38	29.75	Open
107	50.00	2.38	29.75	Open
108	50.00	2.38	29.75	Open
109	50.00	2.38	29.75	Open
110	50.00	2.38	29.75	Open
111	25.00	1.19	8.24	Open
112	25.00	1.19	8.24	Open
113	25.00	1.19	8.24	Open
114	25.00	1.19	8.24	Open
115	25.00	1.19	9.32	Open
116	0.00	0.00	0.00	Open
117	0.00	0.00	0.00	Open
118	0.00	0.00	0.00	Open
119	0.00	0.00	0.00	Open
120	0.00	0.00	0.00	Open
121	0.00	0.00	0.00	Open
122	0.00	0.00	0.00	Open
123	0.00	0.00	0.00	Open
124	0.00	0.00	0.00	Open
125	0.00	0.00	0.00	Open
126	0.00	0.00	0.00	Open
127	0.00	0.00	0.00	Open
128	0.00	0.00	0.00	Open
129	0.00	0.00	0.00	Open
130	0.00	0.00	0.00	Open
131	0.00	0.00	0.00	Open
201	49.91	1.59	43.93	Open
202	49.96	1.59	44.01	Open
203	50.13	1.60	44.31	Open
204	49.91	2.82	520.47	Open
205	49.96	2.83	521.41	Open
206	50.13	2.84	525.07	Open
207	49.91	0.71	11.35	Open
208	99.87	1.41	44.31	Open
209	150.00	2.12	480.90	Open
210	150.00	2.12	56.89	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
211	150.00	2.12	68.01	Open
701	49.91	0.00	-95.34	Open Pump
702	49.96	0.00	-95.33	Open Pump
703	50.13	0.00	-95.27	Open Pump
901	25.00	1.19	0.02	Active Valve
902	25.00	1.19	0.07	Active Valve
903	25.00	1.19	0.02	Active Valve
904	25.00	1.19	0.07	Active Valve
905	25.00	1.19	0.02	Active Valve
906	25.00	1.19	0.07	Active Valve
907	0.00	0.00	0.00	Active Valve
908	0.00	0.00	0.00	Active Valve
909	0.00	0.00	0.00	Active Valve
910	0.00	0.00	0.00	Active Valve
911	0.00	0.00	0.00	Active Valve
912	0.00	0.00	0.00	Active Valve
913	0.00	0.00	0.00	Active Valve
914	0.00	0.00	0.00	Active Valve
915	0.00	0.00	0.00	Active Valve
916	0.00	0.00	0.00	Active Valve
917	0.00	0.00	0.00	Active Valve
918	0.00	0.00	0.00	Active Valve
919	25.00	1.19	0.02	Active Valve
920	25.00	1.19	0.07	Active Valve
921	25.00	1.19	0.02	Active Valve
922	25.00	1.19	0.07	Active Valve
132	0.00	0.00	0.00	Active Valve

133	0.00	0.00	0.00	Active Valve
134	0.00	0.00	0.00	Active Valve
135	0.00	0.00	0.00	Active Valve
136	25.00	1.19	0.02	Active Valve
137	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

2. Comizio irriguo n.2

1. Ipotesi n.1: alimentazione delle dieci utenze terminali dei rami della rete;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_2_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	16	50.0	229.2
3	16	17	98	229.2
4	17	18	98	229.2
5	18	19	98	229.2
6	19	104	29.6	229.2
7	104	20	68.4	229.2
8	20	21	98	229.2
9	21	303	76.7	229.2
10	303	22	21.3	229.2
11	22	23	98	229.2
12	23	24	98	163.6
13	201	15	54.3	229.2
14	15	14	98	229.2
15	14	13	98	229.2
16	13	103	53.5	229.2
17	103	12	44.5	229.2
18	12	11	98	229.2
19	11	302	86.3	229.2
20	302	10	11.7	229.2
21	10	9	98	229.2
22	9	8	98	229.2
23	8	102	25.5	229.2
24	102	7	72.5	229.2
25	7	301	103.8	229.2
26	301	6	51.2	229.2
27	6	5	105	163.6
28	202	45	50	229.2
29	45	46	98	229.2
30	46	47	98	229.2
31	47	107	19.9	229.2
32	107	48	78.1	229.2
33	48	49	98	229.2
34	49	307	81.4	229.2
35	307	50	16.6	229.2
36	50	51	98	229.2
37	51	52	98	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	52	53	98	163.6
39	202	44	54.4	229.2
40	44	43	98	229.2
41	43	42	98	229.2
42	42	106	37.1	229.2
43	106	41	60.9	229.2
44	41	40	98	229.2
45	40	306	95.5	229.2
46	306	39	2.5	229.2
47	39	38	98	229.2
48	38	37	98	229.2
49	37	36	98	229.2
50	36	35	75	229.2
51	35	105	10.9	229.2
52	105	34	69.1	229.2
53	34	33	105	163.6
54	24	25	98	163.6

55	25	26	98	163.6
56	26	27	98	163.6
57	27	304	5.3	163.6
58	304	28	92.7	163.6
59	28	57	23.9	163.6
60	53	54	98	163.6
61	54	55	98	163.6
62	55	308	48.6	163.6
63	308	56	49.4	163.6
64	56	57	98	163.6
65	5	4	115	163.6
66	4	3	95	163.6
67	3	101	94.4	163.6
68	101	2	10.6	163.6
69	2	1	105	163.6
70	1	29	31.2	163.6
71	33	305	85.5	163.6
72	305	32	29.5	163.6
73	32	31	95	163.6
74	31	30	105	163.6
75	30	29	105	163.6
101	400	501	5	200
102	400	502	5	200
103	400	503	5	200
204	504	507	2.05	200
205	505	508	2.05	200
206	506	509	2.05	200
207	507	508	1.5	300
208	508	509	1.5	300
209	509	510	0.5	300

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
210	510	511	3.8	300	
211	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	5	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	24	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	28	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	33	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	39	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	53	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	57	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.33	97.90	97.90	0.00
202	100.00	75.00	0.33	97.95	97.95	0.00
203	100.00	75.00	0.33	98.16	98.16	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	79.93	72.63	0.00
2	0.00	81.13	73.41	0.00
3	0.00	82.22	74.84	0.00
4	0.00	83.21	76.21	0.00
5	0.00	84.40	77.86	0.00
6	0.00	88.34	82.22	0.00
7	0.00	89.35	83.01	0.00
8	0.00	89.98	83.45	0.00
9	0.00	90.62	84.48	0.00
10	0.00	91.25	85.50	0.00
11	0.00	91.89	85.84	0.00
12	0.00	92.53	86.09	0.00
13	0.00	93.16	86.76	0.00
14	0.00	93.80	87.79	0.00
15	0.00	94.43	88.81	0.00
16	0.00	94.20	88.60	0.00
17	0.00	93.05	87.06	0.00
18	0.00	91.91	85.53	0.00
19	0.00	90.62	83.84	0.00
20	0.00	90.09	83.47	0.00
21	0.00	89.56	83.33	0.00
22	0.00	89.03	83.02	0.00
23	0.00	88.50	82.10	0.00
24	0.00	85.41	78.62	0.00
25	0.00	84.70	77.52	0.00
26	0.00	83.99	77.20	0.00
27	0.00	83.28	76.88	0.00
28	0.00	82.50	75.75	0.00
29	0.00	79.93	72.38	0.00
30	0.00	80.66	73.53	0.00
31	0.00	81.32	74.61	0.00
32	0.00	81.92	75.59	0.00
33	0.00	82.65	76.10	0.00
34	0.00	85.73	78.76	0.00
35	0.00	86.14	78.93	0.00
36	0.00	86.52	79.61	0.00
37	0.00	87.01	80.50	0.00
38	0.00	87.51	81.39	0.00
39	0.00	88.01	82.28	0.00
40	0.00	89.25	83.14	0.00
41	0.00	90.35	83.85	0.00
42	0.00	91.45	84.85	0.00
43	0.00	92.55	86.34	0.00
44	0.00	93.65	87.83	0.00
45	0.00	93.95	88.15	0.00
46	0.00	93.35	87.16	0.00
47	0.00	92.75	86.17	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	92.15	85.80	0.00
49	0.00	91.55	85.59	0.00
50	0.00	90.95	85.25	0.00
51	0.00	90.35	84.26	0.00
52	0.00	89.75	83.27	0.00
53	0.00	86.25	79.37	0.00
54	0.00	85.34	78.86	0.00
55	0.00	84.42	78.33	0.00
56	0.00	83.51	77.24	0.00
57	0.00	82.50	75.50	0.00
101	0.00	81.24	73.48	0.00
102	0.00	89.82	83.19	0.00
103	0.00	92.81	86.19	0.00
104	0.00	90.46	83.57	0.00
105	0.00	86.08	78.83	0.00
106	0.00	91.03	84.28	0.00
107	0.00	92.63	85.97	0.00
201	0.00	94.78	89.38	0.00
202	0.00	94.26	88.66	0.00

301	0.00	88.68	82.76	0.00
302	0.00	91.33	85.63	0.00
303	0.00	89.14	83.22	0.00
304	0.00	83.25	76.87	0.00
305	0.00	82.11	75.90	0.00
306	0.00	88.18	82.46	0.00
307	0.00	91.05	85.42	0.00
308	0.00	83.97	78.07	0.00
501	0.00	7.96	-0.99	0.00
502	0.00	7.96	-0.99	0.00
503	0.00	7.96	-0.99	0.00
504	0.00	98.03	89.08	0.00
505	0.00	97.99	89.04	0.00
506	0.00	97.81	88.86	0.00
507	0.00	97.13	86.15	0.00
508	0.00	97.09	86.11	0.00
509	0.00	96.91	85.93	0.00
510	0.00	96.24	89.24	0.00
511	0.00	95.71	88.71	0.00
601	0.00	79.91	72.61	0.00
602	25.00	79.83	70.59	0.00
603	0.00	84.38	77.84	0.00
604	25.00	84.30	75.25	0.00
605	0.00	90.59	83.81	0.00
606	25.00	90.52	82.17	0.00
607	0.00	85.39	78.60	0.00
608	25.00	85.31	76.77	0.00
609	0.00	82.48	75.73	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
610	25.00	82.40	73.34	0.00	
611	0.00	79.90	72.35	0.00	
612	25.00	79.83	70.69	0.00	
613	0.00	82.63	76.08	0.00	
614	25.00	82.55	73.86	0.00	
615	0.00	87.98	82.25	0.00	
616	25.00	87.91	79.68	0.00	
617	0.00	86.22	79.34	0.00	
618	25.00	86.15	77.80	0.00	
619	0.00	82.48	75.48	0.00	
620	25.00	82.40	73.73	0.00	
400	-250.00	8.55	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	123.38	2.36	21.77	Open
2	73.31	1.78	11.70	Open
3	73.31	1.78	11.70	Open
4	73.31	1.78	11.70	Open
5	73.31	1.78	13.17	Open
6	48.31	1.17	5.40	Open
7	48.31	1.17	5.40	Open
8	48.31	1.17	5.40	Open
9	48.31	1.17	5.40	Open
10	48.31	1.17	5.40	Open
11	48.31	1.17	5.40	Open
12	48.31	2.30	31.48	Open
13	53.31	1.29	6.48	Open
14	53.31	1.29	6.48	Open
15	53.31	1.29	6.48	Open
16	53.31	1.29	6.48	Open
17	53.31	1.29	6.48	Open
18	53.31	1.29	6.48	Open
19	53.31	1.29	6.48	Open
20	53.31	1.29	6.48	Open
21	53.31	1.29	6.48	Open
22	53.31	1.29	6.48	Open
23	53.31	1.29	6.48	Open
24	53.31	1.29	6.48	Open
25	53.31	1.29	6.48	Open

26	53.31	1.29	6.48	Open
27	53.31	2.54	37.56	Open
28	51.69	1.25	6.12	Open
29	51.69	1.25	6.12	Open

Page 7
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
30	51.69	1.25	6.12	Open
31	51.69	1.25	6.12	Open
32	51.69	1.25	6.12	Open
33	51.69	1.25	6.12	Open
34	51.69	1.25	6.12	Open
35	51.69	1.25	6.12	Open
36	51.69	1.25	6.12	Open
37	51.69	1.25	6.12	Open
38	51.69	2.46	35.73	Open
39	71.69	1.74	11.22	Open
40	71.69	1.74	11.22	Open
41	71.69	1.74	11.22	Open
42	71.69	1.74	11.22	Open
43	71.69	1.74	11.22	Open
44	71.69	1.74	11.22	Open
45	71.69	1.74	11.22	Open
46	71.69	1.74	66.59	Open
47	46.69	1.13	5.07	Open
48	46.69	1.13	5.07	Open
49	46.69	1.13	5.07	Open
50	46.69	1.13	5.07	Open
51	46.69	1.13	5.07	Open
52	46.69	1.13	5.07	Open
53	46.69	2.22	29.32	Open
54	23.31	1.11	7.24	Open
55	23.31	1.11	7.24	Open
56	23.31	1.11	7.24	Open
57	23.31	1.11	7.24	Open
58	23.31	1.11	8.05	Open
59	-1.69	0.08	0.06	Open
60	26.69	1.27	9.31	Open
61	26.69	1.27	9.31	Open
62	26.69	1.27	9.31	Open
63	26.69	1.27	9.31	Open
64	26.69	1.27	10.31	Open
65	28.31	1.35	10.38	Open
66	28.31	1.35	10.38	Open
67	28.31	1.35	10.38	Open
68	28.31	1.35	10.37	Open
69	28.31	1.35	11.43	Open
70	3.31	0.16	0.21	Open
71	21.69	1.03	6.34	Open
72	21.69	1.03	6.34	Open
73	21.69	1.03	6.34	Open
74	21.69	1.03	6.34	Open
75	21.69	1.03	6.96	Open
101	83.16	2.65	117.76	Open

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
102	83.25	2.65	118.00	Open
103	83.59	2.66	118.92	Open
204	83.16	2.65	436.58	Open
205	83.25	2.65	437.48	Open
206	83.59	2.66	440.99	Open
207	83.16	1.18	30.93	Open
208	166.41	2.35	120.94	Open
209	250.00	3.54	1331.36	Open
210	250.00	3.54	140.85	Open
211	250.00	3.54	184.44	Open
201	83.16	0.00	-90.07	Open Pump
202	83.25	0.00	-90.03	Open Pump

203	83.59	0.00	-89.86	Open Pump
601	25.00	1.19	0.02	Active Valve
602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	25.00	1.19	0.02	Active Valve
606	25.00	1.19	0.07	Active Valve
607	25.00	1.19	0.02	Active Valve
608	25.00	1.19	0.07	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve
611	25.00	1.19	0.02	Active Valve
612	25.00	1.19	0.07	Active Valve
613	25.00	1.19	0.02	Active Valve
614	25.00	1.19	0.07	Active Valve
615	25.00	1.19	0.02	Active Valve
616	25.00	1.19	0.07	Active Valve
617	25.00	1.19	0.02	Active Valve
618	25.00	1.19	0.07	Active Valve
619	25.00	1.19	0.02	Active Valve
620	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

2. Comizio irriguo n.2

2. Ipotesi n.2A: alimentazione di n.10 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_2_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 2A.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	16	50.0	229.2
3	16	17	98	229.2
4	17	18	98	229.2
5	18	19	98	229.2
6	19	104	29.6	229.2
7	104	20	68.4	229.2
8	20	21	98	229.2
9	21	303	76.7	229.2
10	303	22	21.3	229.2
11	22	23	98	229.2
12	23	24	98	163.6
13	201	15	54.3	229.2
14	15	14	98	229.2
15	14	13	98	229.2
16	13	103	53.5	229.2
17	103	12	44.5	229.2
18	12	11	98	229.2
19	11	302	86.3	229.2
20	302	10	11.7	229.2
21	10	9	98	229.2
22	9	8	98	229.2
23	8	102	25.5	229.2
24	102	7	72.5	229.2
25	7	301	103.8	229.2
26	301	6	51.2	229.2
27	6	5	105	163.6
28	202	45	50	229.2
29	45	46	98	229.2
30	46	47	98	229.2
31	47	107	19.9	229.2
32	107	48	78.1	229.2
33	48	49	98	229.2
34	49	307	81.4	229.2
35	307	50	16.6	229.2
36	50	51	98	229.2
37	51	52	98	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	52	53	98	163.6
39	202	44	54.4	229.2
40	44	43	98	229.2
41	43	42	98	229.2
42	42	106	37.1	229.2
43	106	41	60.9	229.2
44	41	40	98	229.2
45	40	306	95.5	229.2
46	306	39	2.5	229.2
47	39	38	98	229.2
48	38	37	98	229.2
49	37	36	98	229.2
50	36	35	75	229.2
51	35	105	10.9	229.2
52	105	34	69.1	229.2
53	34	33	105	163.6
54	24	25	98	163.6

55	25	26	98	163.6
56	26	27	98	163.6
57	27	304	5.3	163.6
58	304	28	92.7	163.6
59	28	57	23.9	163.6
60	53	54	98	163.6
61	54	55	98	163.6
62	55	308	48.6	163.6
63	308	56	49.4	163.6
64	56	57	98	163.6
65	5	4	115	163.6
66	4	3	95	163.6
67	3	101	94.4	163.6
68	101	2	10.6	163.6
69	2	1	105	163.6
70	1	29	31.2	163.6
71	33	305	85.5	163.6
72	305	32	29.5	163.6
73	32	31	95	163.6
74	31	30	105	163.6
75	30	29	105	163.6
101	400	501	5	200
102	400	502	5	200
103	400	503	5	200
204	504	507	2.05	200
205	505	508	2.05	200
206	506	509	2.05	200
207	507	508	1.5	300
208	508	509	1.5	300
209	509	510	0.5	300

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
210	510	511	3.8	300	
211	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	5	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	24	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	28	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	33	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	39	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	53	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	57	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	16	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	45	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve
625	48	625	#N/A	163.6	Valve
626	625	626	#N/A	163.6	Valve
627	22	627	#N/A	163.6	Valve
628	627	628	#N/A	163.6	Valve
629	51	629	#N/A	163.6	Valve
630	629	630	#N/A	163.6	Valve
631	25	631	#N/A	163.6	Valve
632	631	632	#N/A	163.6	Valve
633	54	633	#N/A	163.6	Valve
634	633	634	#N/A	163.6	Valve

Page 4
Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.33	97.90	97.90	0.00
202	100.00	75.00	0.33	97.95	97.95	0.00
203	100.00	75.00	0.33	98.16	98.16	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	94.54	87.24	0.00
2	0.00	94.58	86.86	0.00
3	0.00	94.61	87.23	0.00
4	0.00	94.64	87.64	0.00
5	0.00	94.68	88.14	0.00
6	0.00	94.72	88.60	0.00
7	0.00	94.73	88.39	0.00
8	0.00	94.74	88.21	0.00
9	0.00	94.74	88.60	0.00
10	0.00	94.75	89.00	0.00
11	0.00	94.76	88.71	0.00
12	0.00	94.76	88.32	0.00
13	0.00	94.77	88.37	0.00
14	0.00	94.77	88.76	0.00
15	0.00	94.78	89.16	0.00
16	0.00	92.78	87.18	0.00
17	0.00	90.73	84.74	0.00
18	0.00	88.68	82.30	0.00
19	0.00	86.36	79.58	0.00
20	0.00	85.15	78.53	0.00
21	0.00	83.94	77.71	0.00
22	0.00	82.58	76.57	0.00
23	0.00	82.01	75.61	0.00
24	0.00	78.94	72.15	0.00
25	0.00	75.72	68.54	0.00
26	0.00	74.89	68.10	0.00
27	0.00	74.06	67.66	0.00
28	0.00	73.14	66.39	0.00
29	0.00	94.53	86.98	0.00
30	0.00	94.49	87.36	0.00
31	0.00	94.45	87.74	0.00
32	0.00	94.42	88.09	0.00
33	0.00	94.38	87.83	0.00
34	0.00	94.35	87.38	0.00
35	0.00	94.34	87.13	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	94.34	87.43	0.00
37	0.00	94.33	87.82	0.00
38	0.00	94.32	88.20	0.00
39	0.00	94.32	88.59	0.00
40	0.00	94.31	88.20	0.00
41	0.00	94.30	87.80	0.00
42	0.00	94.30	87.70	0.00
43	0.00	94.29	88.08	0.00
44	0.00	94.29	88.47	0.00
45	0.00	92.30	86.50	0.00
46	0.00	90.28	84.09	0.00
47	0.00	88.25	81.67	0.00
48	0.00	85.96	79.61	0.00
49	0.00	84.78	78.82	0.00
50	0.00	83.59	77.89	0.00
51	0.00	82.26	76.17	0.00
52	0.00	81.70	75.22	0.00

53	0.00	78.71	71.83	0.00
54	0.00	75.58	69.10	0.00
55	0.00	74.80	68.71	0.00
56	0.00	74.01	67.74	0.00
57	0.00	73.14	66.14	0.00
101	0.00	94.58	86.82	0.00
102	0.00	94.73	88.10	0.00
103	0.00	94.76	88.14	0.00
104	0.00	85.99	79.10	0.00
105	0.00	94.34	87.09	0.00
106	0.00	94.30	87.55	0.00
107	0.00	87.84	81.18	0.00
201	0.00	94.78	89.38	0.00
202	0.00	94.28	88.68	0.00
301	0.00	94.72	88.80	0.00
302	0.00	94.75	89.05	0.00
303	0.00	83.00	77.08	0.00
304	0.00	74.01	67.63	0.00
305	0.00	94.41	88.20	0.00
306	0.00	94.32	88.60	0.00
307	0.00	83.80	78.17	0.00
308	0.00	74.41	68.51	0.00
501	0.00	7.96	-0.99	0.00
502	0.00	7.96	-0.99	0.00
503	0.00	7.96	-0.99	0.00
504	0.00	98.03	89.08	0.00
505	0.00	97.99	89.04	0.00
506	0.00	97.81	88.86	0.00
507	0.00	97.13	86.15	0.00
508	0.00	97.09	86.11	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
509	0.00	96.91	85.93	0.00	
510	0.00	96.24	89.24	0.00	
511	0.00	95.71	88.71	0.00	
601	0.00	94.54	87.24	0.00	
602	0.00	94.54	85.30	0.00	
603	0.00	94.68	88.14	0.00	
604	0.00	94.68	85.63	0.00	
605	0.00	86.33	79.55	0.00	
606	25.00	86.26	77.91	0.00	
607	0.00	78.94	72.15	0.00	
608	0.00	78.94	70.40	0.00	
609	0.00	73.12	66.37	0.00	
610	25.00	73.04	63.98	0.00	
611	0.00	94.53	86.98	0.00	
612	0.00	94.53	85.39	0.00	
613	0.00	94.38	87.83	0.00	
614	0.00	94.38	85.69	0.00	
615	0.00	94.32	88.59	0.00	
616	0.00	94.32	86.09	0.00	
617	0.00	78.71	71.83	0.00	
618	0.00	78.71	70.36	0.00	
619	0.00	73.12	66.12	0.00	
620	25.00	73.04	64.37	0.00	
621	0.00	92.76	87.16	0.00	
622	25.00	92.68	84.38	0.00	
623	0.00	92.28	86.48	0.00	
624	25.00	92.20	84.01	0.00	
625	0.00	85.94	79.59	0.00	
626	25.00	85.87	77.81	0.00	
627	0.00	82.56	76.55	0.00	
628	25.00	82.49	74.06	0.00	
629	0.00	82.24	76.15	0.00	
630	25.00	82.16	73.93	0.00	
631	0.00	75.69	68.51	0.00	
632	25.00	75.62	66.98	0.00	
633	0.00	75.56	69.08	0.00	
634	25.00	75.48	67.11	0.00	
400	-250.00	8.55	0.00	0.00	Reservoir

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Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	120.21	2.30	20.73	Open
2	125.37	3.04	40.06	Open
3	100.37	2.43	20.93	Open
4	100.37	2.43	20.93	Open
5	100.37	2.43	23.70	Open
6	75.37	1.83	12.31	Open
7	75.37	1.83	12.31	Open
8	75.37	1.83	12.31	Open
9	75.37	1.83	12.31	Open
10	75.37	1.83	19.50	Open
11	50.37	1.22	5.84	Open
12	50.37	2.40	31.36	Open
13	4.42	0.11	0.06	Open
14	4.42	0.11	0.06	Open
15	4.42	0.11	0.06	Open
16	4.42	0.11	0.06	Open
17	4.42	0.11	0.06	Open
18	4.42	0.11	0.06	Open
19	4.42	0.11	0.06	Open
20	4.42	0.11	0.06	Open
21	4.42	0.11	0.06	Open
22	4.42	0.11	0.06	Open
23	4.42	0.11	0.06	Open
24	4.42	0.11	0.06	Open
25	4.42	0.11	0.06	Open
26	4.42	0.11	0.06	Open
27	4.42	0.21	0.36	Open
28	124.63	3.02	39.62	Open
29	99.63	2.41	20.65	Open
30	99.63	2.41	20.65	Open
31	99.63	2.41	20.65	Open
32	99.63	2.41	24.07	Open
33	74.63	1.81	12.09	Open
34	74.63	1.81	12.09	Open
35	74.63	1.81	12.09	Open
36	74.63	1.81	13.62	Open
37	49.63	1.20	5.68	Open
38	49.63	2.36	30.51	Open
39	-4.42	0.11	0.06	Open
40	-4.42	0.11	0.06	Open
41	-4.42	0.11	0.06	Open
42	-4.42	0.11	0.06	Open
43	-4.42	0.11	0.06	Open
44	-4.42	0.11	0.06	Open
45	-4.42	0.11	0.06	Open
46	-4.42	0.11	0.28	Open
47	-4.42	0.11	0.06	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	-4.42	0.11	0.06	Open
49	-4.42	0.11	0.06	Open
50	-4.42	0.11	0.06	Open
51	-4.42	0.11	0.06	Open
52	-4.42	0.11	0.06	Open
53	-4.42	0.21	0.36	Open
54	50.37	2.40	32.85	Open
55	25.37	1.21	8.47	Open
56	25.37	1.21	8.47	Open
57	25.37	1.21	8.47	Open
58	25.37	1.21	9.43	Open
59	0.37	0.02	0.00	Open
60	49.63	2.36	31.96	Open
61	24.63	1.17	8.02	Open
62	24.63	1.17	8.02	Open
63	24.63	1.17	8.02	Open
64	24.63	1.17	8.87	Open
65	4.42	0.21	0.33	Open

66	4.42	0.21	0.33	Open
67	4.42	0.21	0.33	Open
68	4.42	0.21	0.33	Open
69	4.42	0.21	0.36	Open
70	4.42	0.21	0.36	Open
71	-4.42	0.21	0.33	Open
72	-4.42	0.21	0.33	Open
73	-4.42	0.21	0.33	Open
74	-4.42	0.21	0.33	Open
75	-4.42	0.21	0.36	Open
101	83.16	2.65	117.76	Open
102	83.25	2.65	118.00	Open
103	83.59	2.66	118.92	Open
204	83.16	2.65	436.58	Open
205	83.25	2.65	437.48	Open
206	83.59	2.66	440.99	Open
207	83.16	1.18	30.93	Open
208	166.41	2.35	120.94	Open
209	250.00	3.54	1331.36	Open
210	250.00	3.54	140.85	Open
211	250.00	3.54	184.45	Open
201	83.16	0.00	-90.07	Open Pump
202	83.25	0.00	-90.03	Open Pump
203	83.59	0.00	-89.86	Open Pump
601	0.00	0.00	0.00	Active Valve
602	0.00	0.00	0.00	Active Valve
603	0.00	0.00	0.00	Active Valve
604	0.00	0.00	0.00	Active Valve
605	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
606	25.00	1.19	0.07	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve
611	0.00	0.00	0.00	Active Valve
612	0.00	0.00	0.00	Active Valve
613	0.00	0.00	0.00	Active Valve
614	0.00	0.00	0.00	Active Valve
615	0.00	0.00	0.00	Active Valve
616	0.00	0.00	0.00	Active Valve
617	0.00	0.00	0.00	Active Valve
618	0.00	0.00	0.00	Active Valve
619	25.00	1.19	0.02	Active Valve
620	25.00	1.19	0.07	Active Valve
621	25.00	1.19	0.02	Active Valve
622	25.00	1.19	0.07	Active Valve
623	25.00	1.19	0.02	Active Valve
624	25.00	1.19	0.07	Active Valve
625	25.00	1.19	0.02	Active Valve
626	25.00	1.19	0.07	Active Valve
627	25.00	1.19	0.02	Active Valve
628	25.00	1.19	0.07	Active Valve
629	25.00	1.19	0.02	Active Valve
630	25.00	1.19	0.07	Active Valve
631	25.00	1.19	0.02	Active Valve
632	25.00	1.19	0.07	Active Valve
633	25.00	1.19	0.02	Active Valve
634	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

2. Comizio irriguo n.2

3. Ipotesi n.2B: alimentazione di n.9 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_2_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 2B.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	16	50.0	229.2
3	16	17	98	229.2
4	17	18	98	229.2
5	18	19	98	229.2
6	19	104	29.6	229.2
7	104	20	68.4	229.2
8	20	21	98	229.2
9	21	303	76.7	229.2
10	303	22	21.3	229.2
11	22	23	98	229.2
12	23	24	98	163.6
13	201	15	54.3	229.2
14	15	14	98	229.2
15	14	13	98	229.2
16	13	103	53.5	229.2
17	103	12	44.5	229.2
18	12	11	98	229.2
19	11	302	86.3	229.2
20	302	10	11.7	229.2
21	10	9	98	229.2
22	9	8	98	229.2
23	8	102	25.5	229.2
24	102	7	72.5	229.2
25	7	301	103.8	229.2
26	301	6	51.2	229.2
27	6	5	105	163.6
28	202	45	50	229.2
29	45	46	98	229.2
30	46	47	98	229.2
31	47	107	19.9	229.2
32	107	48	78.1	229.2
33	48	49	98	229.2
34	49	307	81.4	229.2
35	307	50	16.6	229.2
36	50	51	98	229.2
37	51	52	98	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	52	53	98	163.6
39	202	44	54.4	229.2
40	44	43	98	229.2
41	43	42	98	229.2
42	42	106	37.1	229.2
43	106	41	60.9	229.2
44	41	40	98	229.2
45	40	306	95.5	229.2
46	306	39	2.5	229.2
47	39	38	98	229.2
48	38	37	98	229.2
49	37	36	98	229.2
50	36	35	75	229.2
51	35	105	10.9	229.2
52	105	34	69.1	229.2
53	34	33	105	163.6
54	24	25	98	163.6

55	25	26	98	163.6
56	26	27	98	163.6
57	27	304	5.3	163.6
58	304	28	92.7	163.6
59	28	57	23.9	163.6
60	53	54	98	163.6
61	54	55	98	163.6
62	55	308	48.6	163.6
63	308	56	49.4	163.6
64	56	57	98	163.6
65	5	4	115	163.6
66	4	3	95	163.6
67	3	101	94.4	163.6
68	101	2	10.6	163.6
69	2	1	105	163.6
70	1	29	31.2	163.6
71	33	305	85.5	163.6
72	305	32	29.5	163.6
73	32	31	95	163.6
74	31	30	105	163.6
75	30	29	105	163.6
101	400	501	5	200
102	400	502	5	200
103	400	503	5	200
204	504	507	2.05	200
205	505	508	2.05	200
206	506	509	2.05	200
207	507	508	1.5	300
208	508	509	1.5	300
209	509	510	0.5	300

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
210	510	511	3.8	300	
211	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	5	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	24	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	28	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	33	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	39	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	53	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	57	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	16	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	45	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve
625	48	625	#N/A	163.6	Valve
626	625	626	#N/A	163.6	Valve
627	22	627	#N/A	163.6	Valve
628	627	628	#N/A	163.6	Valve
629	51	629	#N/A	163.6	Valve
630	629	630	#N/A	163.6	Valve
631	25	631	#N/A	163.6	Valve
632	631	632	#N/A	163.6	Valve
633	54	633	#N/A	163.6	Valve
634	633	634	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.34	92.22	92.22	0.00
202	100.00	75.00	0.34	92.27	92.27	0.00
203	100.00	75.00	0.34	92.47	92.47	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	99.44	92.14	0.00
2	0.00	99.48	91.76	0.00
3	0.00	99.51	92.13	0.00
4	0.00	99.54	92.54	0.00
5	0.00	99.58	93.04	0.00
6	0.00	99.62	93.50	0.00
7	0.00	99.63	93.29	0.00
8	0.00	99.63	93.10	0.00
9	0.00	99.64	93.50	0.00
10	0.00	99.65	93.90	0.00
11	0.00	99.65	93.60	0.00
12	0.00	99.66	93.22	0.00
13	0.00	99.66	93.26	0.00
14	0.00	99.67	93.66	0.00
15	0.00	99.68	94.06	0.00
16	0.00	98.35	92.75	0.00
17	0.00	96.28	90.29	0.00
18	0.00	94.21	87.83	0.00
19	0.00	91.87	85.09	0.00
20	0.00	90.64	84.02	0.00
21	0.00	89.42	83.19	0.00
22	0.00	88.05	82.04	0.00
23	0.00	87.46	81.06	0.00
24	0.00	84.33	77.54	0.00
25	0.00	81.05	73.87	0.00
26	0.00	80.19	73.40	0.00
27	0.00	79.33	72.93	0.00
28	0.00	78.38	71.63	0.00
29	0.00	99.43	91.88	0.00
30	0.00	99.39	92.26	0.00
31	0.00	99.35	92.64	0.00
32	0.00	99.32	92.99	0.00
33	0.00	99.28	92.73	0.00
34	0.00	99.25	92.28	0.00
35	0.00	99.24	92.03	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
36	0.00	99.24	92.33	0.00
37	0.00	99.23	92.72	0.00
38	0.00	99.22	93.10	0.00
39	0.00	99.22	93.49	0.00
40	0.00	99.21	93.10	0.00
41	0.00	99.21	92.71	0.00
42	0.00	99.20	92.60	0.00
43	0.00	99.19	92.98	0.00
44	0.00	99.19	93.37	0.00
45	0.00	97.22	91.42	0.00
46	0.00	95.21	89.02	0.00
47	0.00	93.21	86.63	0.00
48	0.00	90.94	84.59	0.00
49	0.00	89.77	83.81	0.00
50	0.00	88.60	82.90	0.00
51	0.00	87.28	81.19	0.00
52	0.00	86.73	80.25	0.00

53	0.00	83.80	76.92	0.00
54	0.00	80.73	74.25	0.00
55	0.00	79.97	73.88	0.00
56	0.00	79.22	72.95	0.00
57	0.00	78.38	71.38	0.00
101	0.00	99.48	91.72	0.00
102	0.00	99.63	93.00	0.00
103	0.00	99.66	93.04	0.00
104	0.00	91.50	84.61	0.00
105	0.00	99.24	91.99	0.00
106	0.00	99.20	92.45	0.00
107	0.00	92.80	86.14	0.00
201	0.00	99.68	94.28	0.00
202	0.00	99.18	93.58	0.00
301	0.00	99.62	93.70	0.00
302	0.00	99.65	93.95	0.00
303	0.00	88.47	82.55	0.00
304	0.00	79.29	72.91	0.00
305	0.00	99.31	93.10	0.00
306	0.00	99.22	93.50	0.00
307	0.00	88.80	83.17	0.00
308	0.00	79.60	73.70	0.00
501	0.00	8.07	-0.88	0.00
502	0.00	8.07	-0.88	0.00
503	0.00	8.07	-0.88	0.00
504	0.00	102.32	93.37	0.00
505	0.00	102.28	93.33	0.00
506	0.00	102.14	93.19	0.00
507	0.00	101.59	90.61	0.00
508	0.00	101.55	90.57	0.00

Page 6
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
509	0.00	101.41	90.43	0.00	
510	0.00	100.87	93.87	0.00	
511	0.00	100.43	93.43	0.00	
601	0.00	99.44	92.14	0.00	
602	0.00	99.44	90.20	0.00	
603	0.00	99.58	93.04	0.00	
604	0.00	99.58	90.53	0.00	
605	0.00	91.84	85.06	0.00	
606	25.00	91.77	83.42	0.00	
607	0.00	84.33	77.54	0.00	
608	0.00	84.33	75.79	0.00	
609	0.00	78.35	71.60	0.00	
610	25.00	78.28	69.22	0.00	
611	0.00	99.43	91.88	0.00	
612	0.00	99.43	90.29	0.00	
613	0.00	99.28	92.73	0.00	
614	0.00	99.28	90.59	0.00	
615	0.00	99.22	93.49	0.00	
616	0.00	99.22	90.99	0.00	
617	0.00	83.80	76.92	0.00	
618	0.00	83.80	75.45	0.00	
619	0.00	78.35	71.35	0.00	
620	25.00	78.28	69.61	0.00	
621	0.00	98.35	92.75	0.00	
622	0.00	98.35	90.05	0.00	
623	0.00	97.19	91.39	0.00	
624	25.00	97.12	88.93	0.00	
625	0.00	90.92	84.57	0.00	
626	25.00	90.84	82.78	0.00	
627	0.00	88.02	82.01	0.00	
628	25.00	87.95	79.52	0.00	
629	0.00	87.26	81.17	0.00	
630	25.00	87.18	78.95	0.00	
631	0.00	81.03	73.85	0.00	
632	25.00	80.96	72.32	0.00	
633	0.00	80.70	74.22	0.00	
634	25.00	80.63	72.26	0.00	
400	-225.00	8.55	0.00	0.00	Reservoir

Page 7
Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	119.72	2.29	20.57	Open
2	100.87	2.44	26.60	Open
3	100.87	2.44	21.12	Open
4	100.87	2.44	21.12	Open
5	100.87	2.44	23.92	Open
6	75.87	1.84	12.47	Open
7	75.87	1.84	12.47	Open
8	75.87	1.84	12.47	Open
9	75.87	1.84	12.47	Open
10	75.87	1.84	19.74	Open
11	50.87	1.23	5.95	Open
12	50.87	2.42	31.94	Open
13	4.41	0.11	0.06	Open
14	4.41	0.11	0.06	Open
15	4.41	0.11	0.06	Open
16	4.41	0.11	0.06	Open
17	4.41	0.11	0.06	Open
18	4.41	0.11	0.06	Open
19	4.41	0.11	0.06	Open
20	4.41	0.11	0.06	Open
21	4.41	0.11	0.06	Open
22	4.41	0.11	0.06	Open
23	4.41	0.11	0.06	Open
24	4.41	0.11	0.06	Open
25	4.41	0.11	0.06	Open
26	4.41	0.11	0.06	Open
27	4.41	0.21	0.36	Open
28	124.13	3.01	39.32	Open
29	99.13	2.40	20.45	Open
30	99.13	2.40	20.45	Open
31	99.13	2.40	20.45	Open
32	99.13	2.40	23.84	Open
33	74.13	1.80	11.94	Open
34	74.13	1.80	11.94	Open
35	74.13	1.80	11.94	Open
36	74.13	1.80	13.45	Open
37	49.13	1.19	5.57	Open
38	49.13	2.34	29.94	Open
39	-4.41	0.11	0.06	Open
40	-4.41	0.11	0.06	Open
41	-4.41	0.11	0.06	Open
42	-4.41	0.11	0.06	Open
43	-4.41	0.11	0.06	Open
44	-4.41	0.11	0.06	Open
45	-4.41	0.11	0.06	Open
46	-4.41	0.11	0.27	Open
47	-4.41	0.11	0.06	Open

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	-4.41	0.11	0.06	Open
49	-4.41	0.11	0.06	Open
50	-4.41	0.11	0.06	Open
51	-4.41	0.11	0.06	Open
52	-4.41	0.11	0.06	Open
53	-4.41	0.21	0.36	Open
54	50.87	2.42	33.46	Open
55	25.87	1.23	8.78	Open
56	25.87	1.23	8.78	Open
57	25.87	1.23	8.78	Open
58	25.87	1.23	9.78	Open
59	0.87	0.04	0.02	Open
60	49.13	2.34	31.36	Open
61	24.13	1.15	7.72	Open
62	24.13	1.15	7.72	Open
63	24.13	1.15	7.72	Open
64	24.13	1.15	8.54	Open
65	4.41	0.21	0.33	Open

66	4.41	0.21	0.33	Open
67	4.41	0.21	0.33	Open
68	4.41	0.21	0.33	Open
69	4.41	0.21	0.36	Open
70	4.41	0.21	0.36	Open
71	-4.41	0.21	0.33	Open
72	-4.41	0.21	0.33	Open
73	-4.41	0.21	0.33	Open
74	-4.41	0.21	0.33	Open
75	-4.41	0.21	0.36	Open
101	74.86	2.38	96.10	Open
102	74.93	2.39	96.28	Open
103	75.21	2.39	96.96	Open
204	74.86	2.38	354.44	Open
205	74.93	2.39	355.10	Open
206	75.21	2.39	357.70	Open
207	74.86	1.06	25.15	Open
208	149.79	2.12	98.33	Open
209	225.00	3.18	1079.13	Open
210	225.00	3.18	114.81	Open
211	225.00	3.18	150.13	Open
201	74.86	0.00	-94.25	Open Pump
202	74.93	0.00	-94.21	Open Pump
203	75.21	0.00	-94.08	Open Pump
601	0.00	0.00	0.00	Active Valve
602	0.00	0.00	0.00	Active Valve
603	0.00	0.00	0.00	Active Valve
604	0.00	0.00	0.00	Active Valve
605	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
606	25.00	1.19	0.07	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve
611	0.00	0.00	0.00	Active Valve
612	0.00	0.00	0.00	Active Valve
613	0.00	0.00	0.00	Active Valve
614	0.00	0.00	0.00	Active Valve
615	0.00	0.00	0.00	Active Valve
616	0.00	0.00	0.00	Active Valve
617	0.00	0.00	0.00	Active Valve
618	0.00	0.00	0.00	Active Valve
619	25.00	1.19	0.02	Active Valve
620	25.00	1.19	0.07	Active Valve
621	0.00	0.00	0.00	Active Valve
622	0.00	0.00	0.00	Active Valve
623	25.00	1.19	0.02	Active Valve
624	25.00	1.19	0.07	Active Valve
625	25.00	1.19	0.02	Active Valve
626	25.00	1.19	0.07	Active Valve
627	25.00	1.19	0.02	Active Valve
628	25.00	1.19	0.07	Active Valve
629	25.00	1.19	0.02	Active Valve
630	25.00	1.19	0.07	Active Valve
631	25.00	1.19	0.02	Active Valve
632	25.00	1.19	0.07	Active Valve
633	25.00	1.19	0.02	Active Valve
634	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

2. Comizio irriguo n.2

4. Ipotesi n.3A: alimentazione di n.10 utenze dei rami nord e sud a ovest della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_2_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 3A.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	16	50.0	229.2
3	16	17	98	229.2
4	17	18	98	229.2
5	18	19	98	229.2
6	19	104	29.6	229.2
7	104	20	68.4	229.2
8	20	21	98	229.2
9	21	303	76.7	229.2
10	303	22	21.3	229.2
11	22	23	98	229.2
12	23	24	98	163.6
13	201	15	54.3	229.2
14	15	14	98	229.2
15	14	13	98	229.2
16	13	103	53.5	229.2
17	103	12	44.5	229.2
18	12	11	98	229.2
19	11	302	86.3	229.2
20	302	10	11.7	229.2
21	10	9	98	229.2
22	9	8	98	229.2
23	8	102	25.5	229.2
24	102	7	72.5	229.2
25	7	301	103.8	229.2
26	301	6	51.2	229.2
27	6	5	105	163.6
28	202	45	50	229.2
29	45	46	98	229.2
30	46	47	98	229.2
31	47	107	19.9	229.2
32	107	48	78.1	229.2
33	48	49	98	229.2
34	49	307	81.4	229.2
35	307	50	16.6	229.2
36	50	51	98	229.2
37	51	52	98	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	52	53	98	163.6
39	202	44	54.4	229.2
40	44	43	98	229.2
41	43	42	98	229.2
42	42	106	37.1	229.2
43	106	41	60.9	229.2
44	41	40	98	229.2
45	40	306	95.5	229.2
46	306	39	2.5	229.2
47	39	38	98	229.2
48	38	37	98	229.2
49	37	36	98	229.2
50	36	35	75	229.2
51	35	105	10.9	229.2
52	105	34	69.1	229.2
53	34	33	105	163.6
54	24	25	98	163.6

55	25	26	98	163.6
56	26	27	98	163.6
57	27	304	5.3	163.6
58	304	28	92.7	163.6
59	28	57	23.9	163.6
60	53	54	98	163.6
61	54	55	98	163.6
62	55	308	48.6	163.6
63	308	56	49.4	163.6
64	56	57	98	163.6
65	5	4	115	163.6
66	4	3	95	163.6
67	3	101	94.4	163.6
68	101	2	10.6	163.6
69	2	1	105	163.6
70	1	29	31.2	163.6
71	33	305	85.5	163.6
72	305	32	29.5	163.6
73	32	31	95	163.6
74	31	30	105	163.6
75	30	29	105	163.6
101	400	501	5	200
102	400	502	5	200
103	400	503	5	200
204	504	507	2.05	200
205	505	508	2.05	200
206	506	509	2.05	200
207	507	508	1.5	300
208	508	509	1.5	300
209	509	510	0.5	300

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
210	510	511	3.8	300	
211	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	5	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	24	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	28	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	33	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	39	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	53	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	57	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	16	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	45	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve
625	48	625	#N/A	163.6	Valve
626	625	626	#N/A	163.6	Valve
627	22	627	#N/A	163.6	Valve
628	627	628	#N/A	163.6	Valve
629	51	629	#N/A	163.6	Valve
630	629	630	#N/A	163.6	Valve
631	25	631	#N/A	163.6	Valve
632	631	632	#N/A	163.6	Valve
633	54	633	#N/A	163.6	Valve
634	633	634	#N/A	163.6	Valve
635	8	635	#N/A	163.6	Valve
636	635	636	#N/A	163.6	Valve

637	37	637	#N/A	163.6	Valve
638	637	638	#N/A	163.6	Valve
639	11	639	#N/A	163.6	Valve
640	639	640	#N/A	163.6	Valve
641	40	641	#N/A	163.6	Valve
642	641	642	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
643	15	643	#N/A	163.6	Valve
644	643	644	#N/A	163.6	Valve
645	44	645	#N/A	163.6	Valve
646	645	646	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.33	97.90	97.90	0.00
202	100.00	75.00	0.33	97.95	97.95	0.00
203	100.00	75.00	0.33	98.16	98.16	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	71.74	64.44	0.00
2	0.00	72.72	65.00	0.00
3	0.00	73.61	66.23	0.00
4	0.00	74.41	67.41	0.00
5	0.00	75.38	68.84	0.00
6	0.00	78.93	72.81	0.00
7	0.00	79.83	73.49	0.00
8	0.00	80.40	73.87	0.00
9	0.00	81.76	75.62	0.00
10	0.00	82.97	77.22	0.00
11	0.00	84.17	78.12	0.00
12	0.00	86.50	80.06	0.00
13	0.00	88.55	82.15	0.00
14	0.00	90.60	84.59	0.00
15	0.00	92.65	87.03	0.00
16	0.00	94.78	89.18	0.00
17	0.00	94.77	88.78	0.00
18	0.00	94.77	88.39	0.00
19	0.00	94.76	87.98	0.00
20	0.00	94.75	88.13	0.00
21	0.00	94.74	88.51	0.00
22	0.00	94.74	88.73	0.00
23	0.00	94.73	88.33	0.00
24	0.00	94.69	87.90	0.00
25	0.00	94.65	87.47	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
26	0.00	94.62	87.83	0.00
27	0.00	94.58	88.18	0.00
28	0.00	94.54	87.79	0.00
29	0.00	71.74	64.19	0.00
30	0.00	72.67	65.54	0.00
31	0.00	73.51	66.80	0.00
32	0.00	74.28	67.95	0.00
33	0.00	75.20	68.65	0.00
34	0.00	78.66	71.69	0.00
35	0.00	79.11	71.90	0.00

36	0.00	79.54	72.63	0.00
37	0.00	80.09	73.58	0.00
38	0.00	81.43	75.31	0.00
39	0.00	82.62	76.89	0.00
40	0.00	83.80	77.69	0.00
41	0.00	86.09	79.59	0.00
42	0.00	88.12	81.52	0.00
43	0.00	90.14	83.93	0.00
44	0.00	92.17	86.35	0.00
45	0.00	94.29	88.49	0.00
46	0.00	94.30	88.11	0.00
47	0.00	94.30	87.72	0.00
48	0.00	94.31	87.96	0.00
49	0.00	94.32	88.36	0.00
50	0.00	94.32	88.62	0.00
51	0.00	94.33	88.24	0.00
52	0.00	94.34	87.86	0.00
53	0.00	94.38	87.50	0.00
54	0.00	94.42	87.94	0.00
55	0.00	94.45	88.36	0.00
56	0.00	94.49	88.22	0.00
57	0.00	94.53	87.53	0.00
101	0.00	72.81	65.05	0.00
102	0.00	80.25	73.62	0.00
103	0.00	87.43	80.81	0.00
104	0.00	94.76	87.87	0.00
105	0.00	79.05	71.80	0.00
106	0.00	87.35	80.60	0.00
107	0.00	94.30	87.64	0.00
201	0.00	94.78	89.38	0.00
202	0.00	94.28	88.68	0.00
301	0.00	79.23	73.31	0.00
302	0.00	83.11	77.41	0.00
303	0.00	94.74	88.82	0.00
304	0.00	94.58	88.20	0.00
305	0.00	74.52	68.31	0.00
306	0.00	82.65	76.93	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
307	0.00	94.32	88.69	0.00
308	0.00	94.47	88.57	0.00
501	0.00	7.96	-0.99	0.00
502	0.00	7.96	-0.99	0.00
503	0.00	7.96	-0.99	0.00
504	0.00	98.03	89.08	0.00
505	0.00	97.99	89.04	0.00
506	0.00	97.81	88.86	0.00
507	0.00	97.13	86.15	0.00
508	0.00	97.09	86.11	0.00
509	0.00	96.91	85.93	0.00
510	0.00	96.24	89.24	0.00
511	0.00	95.71	88.71	0.00
601	0.00	71.72	64.42	0.00
602	25.00	71.65	62.41	0.00
603	0.00	75.36	68.82	0.00
604	25.00	75.29	66.24	0.00
605	0.00	94.76	87.98	0.00
606	0.00	94.76	86.41	0.00
607	0.00	94.69	87.90	0.00
608	0.00	94.69	86.15	0.00
609	0.00	94.54	87.79	0.00
610	0.00	94.54	85.48	0.00
611	0.00	71.72	64.17	0.00
612	25.00	71.65	62.51	0.00
613	0.00	75.18	68.63	0.00
614	25.00	75.10	66.41	0.00
615	0.00	82.62	76.89	0.00
616	0.00	82.62	74.39	0.00
617	0.00	94.38	87.50	0.00
618	0.00	94.38	86.03	0.00
619	0.00	94.53	87.53	0.00
620	0.00	94.53	85.86	0.00
621	0.00	94.78	89.18	0.00

622	0.00	94.78	86.48	0.00
623	0.00	94.29	88.49	0.00
624	0.00	94.29	86.10	0.00
625	0.00	94.31	87.96	0.00
626	0.00	94.31	86.25	0.00
627	0.00	94.74	88.73	0.00
628	0.00	94.74	86.31	0.00
629	0.00	94.33	88.24	0.00
630	0.00	94.33	86.10	0.00
631	0.00	94.65	87.47	0.00
632	0.00	94.65	86.01	0.00
633	0.00	94.42	87.94	0.00
634	0.00	94.42	86.05	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
635	0.00	80.38	73.85	0.00	
636	25.00	80.31	72.21	0.00	
637	0.00	80.07	73.56	0.00	
638	25.00	80.00	71.46	0.00	
639	0.00	84.15	78.10	0.00	
640	25.00	84.08	75.95	0.00	
641	0.00	83.78	77.67	0.00	
642	25.00	83.70	75.49	0.00	
643	0.00	92.62	87.00	0.00	
644	25.00	92.55	84.38	0.00	
645	0.00	92.14	86.32	0.00	
646	25.00	92.07	83.89	0.00	
400	-250.00	8.55	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	119.95	2.30	20.64	Open
2	4.71	0.11	0.08	Open
3	4.71	0.11	0.07	Open
4	4.71	0.11	0.07	Open
5	4.71	0.11	0.08	Open
6	4.71	0.11	0.07	Open
7	4.71	0.11	0.07	Open
8	4.71	0.11	0.07	Open
9	4.71	0.11	0.07	Open
10	4.71	0.11	0.10	Open
11	4.71	0.11	0.07	Open
12	4.71	0.22	0.38	Open
13	125.34	3.04	39.38	Open
14	100.34	2.43	20.92	Open
15	100.34	2.43	20.92	Open
16	100.34	2.43	20.92	Open
17	100.34	2.43	20.92	Open
18	100.34	2.43	23.69	Open
19	75.34	1.83	12.31	Open
20	75.34	1.83	12.31	Open
21	75.34	1.83	12.31	Open
22	75.34	1.83	13.87	Open
23	50.34	1.22	5.83	Open
24	50.34	1.22	5.83	Open
25	50.34	1.22	5.83	Open
26	50.34	1.22	5.83	Open
27	50.34	2.39	33.75	Open
28	-4.71	0.11	0.08	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
29	-4.71	0.11	0.07	Open
30	-4.71	0.11	0.07	Open
31	-4.71	0.11	0.07	Open

32	-4.71	0.11	0.08	Open
33	-4.71	0.11	0.07	Open
34	-4.71	0.11	0.07	Open
35	-4.71	0.11	0.07	Open
36	-4.71	0.11	0.08	Open
37	-4.71	0.11	0.07	Open
38	-4.71	0.22	0.38	Open
39	124.66	3.02	38.96	Open
40	99.66	2.42	20.65	Open
41	99.66	2.42	20.65	Open
42	99.66	2.42	20.65	Open
43	99.66	2.42	20.65	Open
44	99.66	2.42	23.38	Open
45	74.66	1.81	12.10	Open
46	74.66	1.81	12.10	Open
47	74.66	1.81	12.10	Open
48	74.66	1.81	13.63	Open
49	49.66	1.20	5.68	Open
50	49.66	1.20	5.68	Open
51	49.66	1.20	5.69	Open
52	49.66	1.20	5.68	Open
53	49.66	2.36	32.89	Open
54	4.71	0.22	0.40	Open
55	4.71	0.22	0.37	Open
56	4.71	0.22	0.37	Open
57	4.71	0.22	0.37	Open
58	4.71	0.22	0.41	Open
59	4.71	0.22	0.41	Open
60	-4.71	0.22	0.40	Open
61	-4.71	0.22	0.37	Open
62	-4.71	0.22	0.37	Open
63	-4.71	0.22	0.37	Open
64	-4.71	0.22	0.41	Open
65	25.34	1.21	8.45	Open
66	25.34	1.21	8.45	Open
67	25.34	1.21	8.45	Open
68	25.34	1.21	8.45	Open
69	25.34	1.21	9.30	Open
70	0.34	0.02	0.00	Open
71	24.66	1.17	8.03	Open
72	24.66	1.17	8.03	Open
73	24.66	1.17	8.03	Open
74	24.66	1.17	8.03	Open
75	24.66	1.17	8.83	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
101	83.16	2.65	117.76	Open
102	83.25	2.65	118.00	Open
103	83.59	2.66	118.92	Open
204	83.16	2.65	436.58	Open
205	83.25	2.65	437.48	Open
206	83.59	2.66	440.99	Open
207	83.16	1.18	30.93	Open
208	166.41	2.35	120.94	Open
209	250.00	3.54	1331.36	Open
210	250.00	3.54	140.85	Open
211	250.00	3.54	184.45	Open
201	83.16	0.00	-90.07	Open Pump
202	83.25	0.00	-90.03	Open Pump
203	83.59	0.00	-89.86	Open Pump
601	25.00	1.19	0.02	Active Valve
602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	0.00	0.00	0.00	Active Valve
606	0.00	0.00	0.00	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	0.00	0.00	0.00	Active Valve
610	0.00	0.00	0.00	Active Valve
611	25.00	1.19	0.02	Active Valve
612	25.00	1.19	0.07	Active Valve
613	25.00	1.19	0.02	Active Valve

614	25.00	1.19	0.07	Active Valve
615	0.00	0.00	0.00	Active Valve
616	0.00	0.00	0.00	Active Valve
617	0.00	0.00	0.00	Active Valve
618	0.00	0.00	0.00	Active Valve
619	0.00	0.00	0.00	Active Valve
620	0.00	0.00	0.00	Active Valve
621	0.00	0.00	0.00	Active Valve
622	0.00	0.00	0.00	Active Valve
623	0.00	0.00	0.00	Active Valve
624	0.00	0.00	0.00	Active Valve
625	0.00	0.00	0.00	Active Valve
626	0.00	0.00	0.00	Active Valve
627	0.00	0.00	0.00	Active Valve
628	0.00	0.00	0.00	Active Valve
629	0.00	0.00	0.00	Active Valve
630	0.00	0.00	0.00	Active Valve
631	0.00	0.00	0.00	Active Valve
632	0.00	0.00	0.00	Active Valve
633	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
634	0.00	0.00	0.00	Active Valve
635	25.00	1.19	0.02	Active Valve
636	25.00	1.19	0.07	Active Valve
637	25.00	1.19	0.02	Active Valve
638	25.00	1.19	0.07	Active Valve
639	25.00	1.19	0.02	Active Valve
640	25.00	1.19	0.07	Active Valve
641	25.00	1.19	0.02	Active Valve
642	25.00	1.19	0.07	Active Valve
643	25.00	1.19	0.02	Active Valve
644	25.00	1.19	0.07	Active Valve
645	25.00	1.19	0.02	Active Valve
646	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

2. Comizio irriguo n.2

5. Ipotesi n.3B: alimentazione di n.9 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
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Input File: Linea_2_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 3B.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	16	50.0	229.2
3	16	17	98	229.2
4	17	18	98	229.2
5	18	19	98	229.2
6	19	104	29.6	229.2
7	104	20	68.4	229.2
8	20	21	98	229.2
9	21	303	76.7	229.2
10	303	22	21.3	229.2
11	22	23	98	229.2
12	23	24	98	163.6
13	201	15	54.3	229.2
14	15	14	98	229.2
15	14	13	98	229.2
16	13	103	53.5	229.2
17	103	12	44.5	229.2
18	12	11	98	229.2
19	11	302	86.3	229.2
20	302	10	11.7	229.2
21	10	9	98	229.2
22	9	8	98	229.2
23	8	102	25.5	229.2
24	102	7	72.5	229.2
25	7	301	103.8	229.2
26	301	6	51.2	229.2
27	6	5	105	163.6
28	202	45	50	229.2
29	45	46	98	229.2
30	46	47	98	229.2
31	47	107	19.9	229.2
32	107	48	78.1	229.2
33	48	49	98	229.2
34	49	307	81.4	229.2
35	307	50	16.6	229.2
36	50	51	98	229.2
37	51	52	98	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	52	53	98	163.6
39	202	44	54.4	229.2
40	44	43	98	229.2
41	43	42	98	229.2
42	42	106	37.1	229.2
43	106	41	60.9	229.2
44	41	40	98	229.2
45	40	306	95.5	229.2
46	306	39	2.5	229.2
47	39	38	98	229.2
48	38	37	98	229.2
49	37	36	98	229.2
50	36	35	75	229.2
51	35	105	10.9	229.2
52	105	34	69.1	229.2
53	34	33	105	163.6
54	24	25	98	163.6

55	25	26	98	163.6
56	26	27	98	163.6
57	27	304	5.3	163.6
58	304	28	92.7	163.6
59	28	57	23.9	163.6
60	53	54	98	163.6
61	54	55	98	163.6
62	55	308	48.6	163.6
63	308	56	49.4	163.6
64	56	57	98	163.6
65	5	4	115	163.6
66	4	3	95	163.6
67	3	101	94.4	163.6
68	101	2	10.6	163.6
69	2	1	105	163.6
70	1	29	31.2	163.6
71	33	305	85.5	163.6
72	305	32	29.5	163.6
73	32	31	95	163.6
74	31	30	105	163.6
75	30	29	105	163.6
101	400	501	5	200
102	400	502	5	200
103	400	503	5	200
204	504	507	2.05	200
205	505	508	2.05	200
206	506	509	2.05	200
207	507	508	1.5	300
208	508	509	1.5	300
209	509	510	0.5	300

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
210	510	511	3.8	300	
211	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	5	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	24	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	28	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	33	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	39	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	53	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	57	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	16	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	45	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve
625	48	625	#N/A	163.6	Valve
626	625	626	#N/A	163.6	Valve
627	22	627	#N/A	163.6	Valve
628	627	628	#N/A	163.6	Valve
629	51	629	#N/A	163.6	Valve
630	629	630	#N/A	163.6	Valve
631	25	631	#N/A	163.6	Valve
632	631	632	#N/A	163.6	Valve
633	54	633	#N/A	163.6	Valve
634	633	634	#N/A	163.6	Valve
635	8	635	#N/A	163.6	Valve
636	635	636	#N/A	163.6	Valve

637	37	637	#N/A	163.6	Valve
638	637	638	#N/A	163.6	Valve
639	11	639	#N/A	163.6	Valve
640	639	640	#N/A	163.6	Valve
641	40	641	#N/A	163.6	Valve
642	641	642	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
643	15	643	#N/A	163.6	Valve
644	643	644	#N/A	163.6	Valve
645	44	645	#N/A	163.6	Valve
646	645	646	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.34	92.22	92.22	0.00
202	100.00	75.00	0.34	92.27	92.27	0.00
203	100.00	75.00	0.34	92.47	92.47	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	77.09	69.79	0.00
2	0.00	78.02	70.30	0.00
3	0.00	78.87	71.49	0.00
4	0.00	79.64	72.64	0.00
5	0.00	80.57	74.03	0.00
6	0.00	84.03	77.91	0.00
7	0.00	84.91	78.57	0.00
8	0.00	85.47	78.94	0.00
9	0.00	86.81	80.67	0.00
10	0.00	88.00	82.25	0.00
11	0.00	89.19	83.14	0.00
12	0.00	91.48	85.04	0.00
13	0.00	93.51	87.11	0.00
14	0.00	95.54	89.53	0.00
15	0.00	97.56	91.94	0.00
16	0.00	99.68	94.08	0.00
17	0.00	99.67	93.68	0.00
18	0.00	99.67	93.29	0.00
19	0.00	99.66	92.88	0.00
20	0.00	99.66	93.04	0.00
21	0.00	99.65	93.42	0.00
22	0.00	99.65	93.64	0.00
23	0.00	99.64	93.24	0.00
24	0.00	99.62	92.83	0.00
25	0.00	99.59	92.41	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
26	0.00	99.57	92.78	0.00
27	0.00	99.54	93.14	0.00
28	0.00	99.52	92.77	0.00
29	0.00	77.09	69.54	0.00
30	0.00	78.06	70.93	0.00
31	0.00	78.95	72.24	0.00
32	0.00	79.74	73.41	0.00
33	0.00	80.71	74.16	0.00
34	0.00	84.25	77.28	0.00
35	0.00	84.71	77.50	0.00

36	0.00	85.15	78.24	0.00
37	0.00	85.72	79.21	0.00
38	0.00	87.07	80.95	0.00
39	0.00	88.28	82.55	0.00
40	0.00	89.48	83.37	0.00
41	0.00	91.80	85.30	0.00
42	0.00	93.85	87.25	0.00
43	0.00	95.89	89.68	0.00
44	0.00	97.94	92.12	0.00
45	0.00	99.35	93.55	0.00
46	0.00	99.36	93.17	0.00
47	0.00	99.36	92.78	0.00
48	0.00	99.37	93.02	0.00
49	0.00	99.37	93.41	0.00
50	0.00	99.38	93.68	0.00
51	0.00	99.38	93.29	0.00
52	0.00	99.39	92.91	0.00
53	0.00	99.41	92.53	0.00
54	0.00	99.44	92.96	0.00
55	0.00	99.46	93.37	0.00
56	0.00	99.49	93.22	0.00
57	0.00	99.51	92.51	0.00
101	0.00	78.11	70.35	0.00
102	0.00	85.33	78.70	0.00
103	0.00	92.40	85.78	0.00
104	0.00	99.66	92.77	0.00
105	0.00	84.65	77.40	0.00
106	0.00	93.07	86.32	0.00
107	0.00	99.36	92.70	0.00
201	0.00	99.68	94.28	0.00
202	0.00	99.35	93.75	0.00
301	0.00	84.32	78.40	0.00
302	0.00	88.14	82.44	0.00
303	0.00	99.65	93.73	0.00
304	0.00	99.54	93.16	0.00
305	0.00	79.99	73.78	0.00
306	0.00	88.31	82.59	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
307	0.00	99.38	93.75	0.00
308	0.00	99.47	93.57	0.00
501	0.00	8.07	-0.88	0.00
502	0.00	8.07	-0.88	0.00
503	0.00	8.07	-0.88	0.00
504	0.00	102.32	93.37	0.00
505	0.00	102.28	93.33	0.00
506	0.00	102.14	93.19	0.00
507	0.00	101.59	90.61	0.00
508	0.00	101.55	90.57	0.00
509	0.00	101.41	90.43	0.00
510	0.00	100.87	93.87	0.00
511	0.00	100.43	93.43	0.00
601	0.00	77.07	69.77	0.00
602	25.00	76.99	67.75	0.00
603	0.00	80.54	74.00	0.00
604	25.00	80.47	71.42	0.00
605	0.00	99.66	92.88	0.00
606	0.00	99.66	91.31	0.00
607	0.00	99.62	92.83	0.00
608	0.00	99.62	91.08	0.00
609	0.00	99.52	92.77	0.00
610	0.00	99.52	90.46	0.00
611	0.00	77.07	69.52	0.00
612	25.00	76.99	67.85	0.00
613	0.00	80.69	74.14	0.00
614	25.00	80.61	71.92	0.00
615	0.00	88.28	82.55	0.00
616	0.00	88.28	80.05	0.00
617	0.00	99.41	92.53	0.00
618	0.00	99.41	91.06	0.00
619	0.00	99.51	92.51	0.00
620	0.00	99.51	90.84	0.00
621	0.00	99.68	94.08	0.00

622	0.00	99.68	91.38	0.00
623	0.00	99.35	93.55	0.00
624	0.00	99.35	91.16	0.00
625	0.00	99.37	93.02	0.00
626	0.00	99.37	91.31	0.00
627	0.00	99.65	93.64	0.00
628	0.00	99.65	91.22	0.00
629	0.00	99.38	93.29	0.00
630	0.00	99.38	91.15	0.00
631	0.00	99.59	92.41	0.00
632	0.00	99.59	90.95	0.00
633	0.00	99.44	92.96	0.00
634	0.00	99.44	91.07	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
635	0.00	85.45	78.92	0.00	
636	25.00	85.38	77.28	0.00	
637	0.00	85.69	79.18	0.00	
638	25.00	85.62	77.08	0.00	
639	0.00	89.16	83.11	0.00	
640	25.00	89.09	80.96	0.00	
641	0.00	89.46	83.35	0.00	
642	25.00	89.38	81.17	0.00	
643	0.00	97.54	91.92	0.00	
644	25.00	97.46	89.29	0.00	
645	0.00	97.94	92.12	0.00	
646	0.00	97.94	89.76	0.00	
400	-225.00	8.55	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	96.50	1.85	13.71	Open
2	3.78	0.09	0.06	Open
3	3.78	0.09	0.05	Open
4	3.78	0.09	0.05	Open
5	3.78	0.09	0.05	Open
6	3.78	0.09	0.05	Open
7	3.78	0.09	0.05	Open
8	3.78	0.09	0.05	Open
9	3.78	0.09	0.05	Open
10	3.78	0.09	0.07	Open
11	3.78	0.09	0.05	Open
12	3.78	0.18	0.26	Open
13	124.73	3.02	39.01	Open
14	99.73	2.42	20.68	Open
15	99.73	2.42	20.68	Open
16	99.73	2.42	20.68	Open
17	99.73	2.42	20.68	Open
18	99.73	2.42	23.42	Open
19	74.73	1.81	12.12	Open
20	74.73	1.81	12.12	Open
21	74.73	1.81	12.12	Open
22	74.73	1.81	13.65	Open
23	49.73	1.21	5.70	Open
24	49.73	1.21	5.70	Open
25	49.73	1.21	5.70	Open
26	49.73	1.21	5.70	Open
27	49.73	2.37	32.98	Open
28	-3.78	0.09	0.06	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
29	-3.78	0.09	0.05	Open
30	-3.78	0.09	0.05	Open
31	-3.78	0.09	0.05	Open

32	-3.78	0.09	0.05	Open
33	-3.78	0.09	0.05	Open
34	-3.78	0.09	0.05	Open
35	-3.78	0.09	0.05	Open
36	-3.78	0.09	0.05	Open
37	-3.78	0.09	0.05	Open
38	-3.78	0.18	0.26	Open
39	100.27	2.43	25.87	Open
40	100.27	2.43	20.89	Open
41	100.27	2.43	20.89	Open
42	100.27	2.43	20.89	Open
43	100.27	2.43	20.89	Open
44	100.27	2.43	23.66	Open
45	75.27	1.82	12.28	Open
46	75.27	1.82	12.28	Open
47	75.27	1.82	12.28	Open
48	75.27	1.82	13.84	Open
49	50.27	1.22	5.82	Open
50	50.27	1.22	5.82	Open
51	50.27	1.22	5.82	Open
52	50.27	1.22	5.82	Open
53	50.27	2.39	33.66	Open
54	3.78	0.18	0.26	Open
55	3.78	0.18	0.25	Open
56	3.78	0.18	0.25	Open
57	3.78	0.18	0.25	Open
58	3.78	0.18	0.27	Open
59	3.78	0.18	0.27	Open
60	-3.78	0.18	0.26	Open
61	-3.78	0.18	0.25	Open
62	-3.78	0.18	0.25	Open
63	-3.78	0.18	0.25	Open
64	-3.78	0.18	0.27	Open
65	24.73	1.18	8.08	Open
66	24.73	1.18	8.08	Open
67	24.73	1.18	8.08	Open
68	24.73	1.18	8.08	Open
69	24.73	1.18	8.88	Open
70	-0.27	0.01	0.00	Open
71	25.27	1.20	8.41	Open
72	25.27	1.20	8.41	Open
73	25.27	1.20	8.41	Open
74	25.27	1.20	8.41	Open
75	25.27	1.20	9.25	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
101	74.86	2.38	96.10	Open
102	74.93	2.39	96.28	Open
103	75.21	2.39	96.96	Open
204	74.86	2.38	354.44	Open
205	74.93	2.39	355.10	Open
206	75.21	2.39	357.70	Open
207	74.86	1.06	25.15	Open
208	149.79	2.12	98.33	Open
209	225.00	3.18	1079.12	Open
210	225.00	3.18	114.82	Open
211	225.00	3.18	150.13	Open
201	74.86	0.00	-94.25	Open Pump
202	74.93	0.00	-94.21	Open Pump
203	75.21	0.00	-94.08	Open Pump
601	25.00	1.19	0.02	Active Valve
602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	0.00	0.00	0.00	Active Valve
606	0.00	0.00	0.00	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	0.00	0.00	0.00	Active Valve
610	0.00	0.00	0.00	Active Valve
611	25.00	1.19	0.02	Active Valve
612	25.00	1.19	0.07	Active Valve
613	25.00	1.19	0.02	Active Valve

614	25.00	1.19	0.07	Active Valve
615	0.00	0.00	0.00	Active Valve
616	0.00	0.00	0.00	Active Valve
617	0.00	0.00	0.00	Active Valve
618	0.00	0.00	0.00	Active Valve
619	0.00	0.00	0.00	Active Valve
620	0.00	0.00	0.00	Active Valve
621	0.00	0.00	0.00	Active Valve
622	0.00	0.00	0.00	Active Valve
623	0.00	0.00	0.00	Active Valve
624	0.00	0.00	0.00	Active Valve
625	0.00	0.00	0.00	Active Valve
626	0.00	0.00	0.00	Active Valve
627	0.00	0.00	0.00	Active Valve
628	0.00	0.00	0.00	Active Valve
629	0.00	0.00	0.00	Active Valve
630	0.00	0.00	0.00	Active Valve
631	0.00	0.00	0.00	Active Valve
632	0.00	0.00	0.00	Active Valve
633	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
634	0.00	0.00	0.00	Active Valve
635	25.00	1.19	0.02	Active Valve
636	25.00	1.19	0.07	Active Valve
637	25.00	1.19	0.02	Active Valve
638	25.00	1.19	0.07	Active Valve
639	25.00	1.19	0.02	Active Valve
640	25.00	1.19	0.07	Active Valve
641	25.00	1.19	0.02	Active Valve
642	25.00	1.19	0.07	Active Valve
643	25.00	1.19	0.02	Active Valve
644	25.00	1.19	0.07	Active Valve
645	0.00	0.00	0.00	Active Valve
646	0.00	0.00	0.00	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

3. Comizio irriguo n.3

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_3_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
2	201	13	95	257.8
3	13	203	61	257.8
5	12	11	95	229.2
6	11	10	105	229.2
7	10	9	105	229.2
8	101	8	79.9	229.2
10	201	14	35.4	257.8
11	14	15	110	257.8
13	16	17	110	257.8
14	17	401	31	257.8
15	401	18	79	229.2
16	18	19	110	229.2
17	19	20	110	229.2
18	20	103	19	229.2
19	40	39	80.5	229.2
21	39	38	110.7	229.2
22	38	37	89.3	257.8
23	37	36	100	257.8
24	36	35	94.9	229.2
25	35	34	105	229.2
26	34	105	14.2	229.2
27	105	33	90.8	229.2
28	33	32	104.9	229.2
30	40	41	110	229.2
31	411	42	77.3	229.2
32	42	43	110	229.2
33	110	44	28.4	163.6
34	45	44	94.8	163.6
36	45	46	123.2	163.6
37	46	47	11.8	163.6
38	8	7	120	229.2
39	7	6	70	229.2
40	6	5	110	229.2
42	4	3	82.7	163.6
44	2	1	110	130.8
46	410	31	39.2	229.2
49	30	29	109.9	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
51	29	28	110	163.6
53	27	26	184.3	130.8
54	103	21	106	229.2
55	21	22	95	163.6
56	22	402	42.5	163.6
57	402	23	67.5	163.6
58	23	24	110	163.6
59	24	202	50	163.6
60	202	302	28.5	163.6
61	302	51	69	130.8
63	47	48	110	163.6
64	48	111	45.2	163.6
65	49	50	110	163.6
67	50	302	50	163.6
101	500	601	5	200
102	500	602	5	200
103	500	603	5	200

104	604	607	2.05	150
105	605	608	2.05	150
106	606	609	2.05	150
107	607	608	1.5	300
108	608	609	1.5	300
109	609	610	0.5	300
110	610	611	3.3	300
111	611	201	5	300
68	2	407	101.7	163.6
69	407	408	15.3	163.6
70	408	108	35.3	163.6
1	108	3	14.8	163.6
41	4	409	95.3	163.6
43	409	5	14.7	163.6
45	101	9	25	229.2
52	15	109	32.4	257.8
71	109	16	76.7	257.8
72	202	25	116	130.8
73	27	204	33.3	163.6
74	3	204	27	163.6
75	204	28	82.7	163.6
76	30	31	70	229.2
77	410	32	80.8	229.2
78	12	36	26.3	257.8
79	203	38	28.4	257.8
80	41	411	32.8	229.2
81	43	110	81.6	229.2
82	111	49	64.9	163.6
601	601	604	#N/A	#N/A Pump
602	602	605	#N/A	#N/A Pump

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
603	603	606	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	26	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	7	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	31	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	21	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
713	25	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.32	76.75	76.75	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00
603	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	77.32	71.82	0.00
2	0.00	80.15	74.21	0.00
3	0.00	81.53	75.04	0.00
4	0.00	82.20	76.04	0.00
5	0.00	83.10	77.62	0.00
6	0.00	83.28	77.00	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
7	0.00	83.39	76.83	0.00
8	0.00	84.16	77.12	0.00
9	0.00	84.76	77.50	0.00
10	0.00	85.36	78.88	0.00
11	0.00	85.97	79.55	0.00
12	0.00	86.51	80.47	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
13	0.00	90.88	84.66	0.00
14	0.00	92.75	86.91	0.00
15	0.00	92.22	85.66	0.00
16	0.00	91.70	85.32	0.00
17	0.00	91.17	85.23	0.00
18	0.00	90.35	84.21	0.00
19	0.00	89.42	82.84	0.00
20	0.00	88.49	81.47	0.00
21	0.00	87.25	80.58	0.00
22	0.00	85.66	79.27	0.00
23	0.00	83.83	77.44	0.00
24	0.00	81.99	75.16	0.00
202	0.00	80.97	73.94	0.00
26	0.00	76.53	69.03	0.00
27	0.00	81.26	75.23	0.00
28	0.00	82.22	75.73	0.00
29	0.00	83.14	76.21	0.00
30	0.00	83.31	76.82	0.00
31	0.00	83.43	77.22	0.00
32	0.00	84.24	77.86	0.00
33	0.00	84.85	78.05	0.00
34	0.00	85.46	78.36	0.00
35	0.00	86.06	79.38	0.00
36	0.00	86.61	80.31	0.00
37	0.00	87.78	81.04	0.00
38	0.00	88.83	81.73	0.00
39	0.00	88.44	81.78	0.00
40	0.00	88.16	81.82	0.00
41	0.00	87.77	81.87	0.00
42	0.00	87.38	81.31	0.00
43	0.00	86.99	80.48	0.00
44	0.00	86.18	79.45	0.00
45	0.00	84.45	78.10	0.00
46	0.00	82.20	76.35	0.00
47	0.00	81.92	75.62	0.00
48	0.00	81.64	74.90	0.00
49	0.00	81.35	74.69	0.00
50	0.00	81.06	74.84	0.00
51	0.00	79.08	73.33	0.00
203	0.00	89.58	83.03	0.00
103	0.00	88.28	81.19	0.00
105	0.00	85.37	78.21	0.00
201	0.00	92.91	87.21	0.00
302	0.00	80.91	74.89	0.00
401	0.00	91.02	85.20	0.00
402	0.00	84.95	78.83	0.00
601	0.00	8.06	-1.09	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
602	0.00	8.06	-1.09	0.00
603	0.00	8.05	-1.10	0.00
604	0.00	96.30	87.15	0.00
605	0.00	96.27	87.12	0.00
606	0.00	96.17	87.02	0.00
610	0.00	93.84	83.44	0.00
611	0.00	93.51	85.61	0.00
607	0.00	94.41	84.01	0.00
608	0.00	94.38	83.98	0.00
609	0.00	94.27	83.87	0.00

701	0.00	77.29	71.79	0.00	
702	25.00	77.22	68.92	0.00	
703	0.00	76.50	69.00	0.00	
704	25.00	76.43	67.39	0.00	
705	0.00	83.36	76.80	0.00	
706	25.00	83.29	74.69	0.00	
707	0.00	83.40	77.19	0.00	
708	25.00	83.33	74.83	0.00	
709	0.00	87.23	80.56	0.00	
710	25.00	87.15	78.58	0.00	
711	0.00	81.90	75.60	0.00	
712	25.00	81.82	73.46	0.00	
713	0.00	77.96	70.47	0.00	
714	25.00	77.89	68.69	0.00	
715	0.00	79.05	73.30	0.00	
716	25.00	78.98	70.64	0.00	
25	0.00	77.99	70.50	0.00	
108	0.00	81.41	74.86	0.00	
407	0.00	80.99	74.64	0.00	
408	0.00	81.12	74.71	0.00	
409	0.00	82.98	77.20	0.00	
101	0.00	84.62	77.26	0.00	
109	0.00	92.06	85.37	0.00	
204	0.00	81.53	75.37	0.00	
410	0.00	83.74	77.69	0.00	
411	0.00	87.65	81.89	0.00	
110	0.00	86.70	79.86	0.00	
111	0.00	81.52	74.60	0.00	
500	-200.00	8.44	0.00	0.00	Reservoir

Page 6

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
2	138.40	2.65	21.40	Open
3	138.40	2.65	21.40	Open
5	49.86	1.21	5.73	Open
6	49.86	1.21	5.73	Open
7	49.86	1.21	5.73	Open
8	49.86	1.21	5.73	Open
10	61.60	1.18	4.78	Open
11	61.60	1.18	4.78	Open
13	61.60	1.18	4.78	Open
14	61.60	1.18	4.78	Open
15	61.60	1.49	8.47	Open
16	61.60	1.49	8.47	Open
17	61.60	1.49	8.47	Open
18	61.60	1.49	10.86	Open
19	-38.40	0.93	3.53	Open
21	-38.40	0.93	3.53	Open
22	100.00	1.92	11.72	Open
23	100.00	1.92	11.72	Open
24	50.14	1.22	5.79	Open
25	50.14	1.22	5.79	Open
26	50.14	1.22	5.79	Open
27	50.14	1.22	5.79	Open
28	50.14	1.22	5.79	Open
30	38.40	0.93	3.53	Open
31	38.40	0.93	3.53	Open
32	38.40	0.93	3.53	Open
33	38.40	1.83	18.25	Open
34	-38.40	1.83	18.25	Open
36	38.40	1.83	18.25	Open
37	38.40	1.83	24.02	Open
38	49.86	1.21	6.47	Open
39	24.86	0.60	1.58	Open
40	24.86	0.60	1.58	Open
42	24.86	1.18	8.16	Open
44	25.00	1.86	25.80	Open
46	50.14	1.22	8.09	Open
49	25.14	0.61	1.61	Open
51	25.14	1.20	8.33	Open
53	25.00	1.86	25.66	Open
54	61.60	1.49	9.76	Open
55	36.60	1.74	16.69	Open

56	36.60	1.74	16.69	Open
57	36.60	1.74	16.69	Open
58	36.60	1.74	16.69	Open
59	36.60	1.74	20.40	Open
60	11.60	0.55	2.19	Open
61	25.00	1.86	26.56	Open

Page 7
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
63	13.40	0.64	2.60	Open
64	13.40	0.64	2.60	Open
65	13.40	0.64	2.60	Open
67	13.40	0.64	3.10	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.06	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.97	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.29	Open
110	200.00	2.83	99.50	Open
111	200.00	2.83	119.27	Open
68	-25.00	1.19	8.24	Open
69	-25.00	1.19	8.24	Open
70	-25.00	1.19	8.24	Open
1	-25.00	1.19	8.24	Open
41	-24.86	1.18	8.15	Open
43	-24.86	1.18	8.16	Open
45	-49.86	1.21	5.73	Open
52	61.60	1.18	4.78	Open
71	61.60	1.18	4.78	Open
72	25.00	1.86	25.73	Open
73	-25.00	1.19	8.24	Open
74	-0.14	0.01	0.00	Open
75	-25.14	1.20	8.33	Open
76	-25.14	0.61	1.61	Open
77	-50.14	1.22	6.16	Open
78	-49.86	0.96	3.90	Open
79	138.40	2.65	26.19	Open
80	38.40	0.93	3.53	Open
81	38.40	0.93	3.53	Open
82	13.40	0.64	2.60	Open
601	66.55	0.00	-88.24	Open Pump
602	66.61	0.00	-88.21	Open Pump
603	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve
705	25.00	1.19	0.02	Active Valve
706	25.00	1.19	0.07	Active Valve
707	25.00	1.19	0.02	Active Valve
708	25.00	1.19	0.07	Active Valve
709	25.00	1.19	0.02	Active Valve

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
710	25.00	1.19	0.07	Active Valve
711	25.00	1.19	0.02	Active Valve
712	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

3. Comizio irriguo n.3

2. Ipotesi n.2: alimentazione di n.8 utenze dei rami nord e sud a est della stazione di sollevamento;

```
*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
```

Input File: Linea_3_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
2	201	13	95	257.8
3	13	203	61	257.8
5	12	11	95	229.2
6	11	10	105	229.2
7	10	9	105	229.2
8	101	8	79.9	229.2
10	201	14	35.4	257.8
11	14	15	110	257.8
13	16	17	110	257.8
14	17	401	31	257.8
15	401	18	79	229.2
16	18	19	110	229.2
17	19	20	110	229.2
18	20	103	19	229.2
19	40	39	80.5	229.2
21	39	38	110.7	229.2
22	38	37	89.3	257.8
23	37	36	100	257.8
24	36	35	94.9	229.2
25	35	34	105	229.2
26	34	105	14.2	229.2
27	105	33	90.8	229.2
28	33	32	104.9	229.2
30	40	41	110	229.2
31	411	42	77.3	229.2
32	42	43	110	229.2
33	110	44	28.4	163.6
34	45	44	94.8	163.6
36	45	46	123.2	163.6
37	46	47	11.8	163.6
38	8	7	120	229.2
39	7	6	70	229.2
40	6	5	110	229.2
42	4	3	82.7	163.6
44	2	1	110	130.8
46	410	31	39.2	229.2
49	30	29	109.9	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
51	29	28	110	163.6
53	27	26	184.3	130.8
54	103	21	106	229.2
55	21	22	95	163.6
56	22	402	42.5	163.6
57	402	23	67.5	163.6
58	23	24	110	163.6
59	24	202	50	163.6
60	202	302	28.5	163.6
61	302	51	69	130.8
63	47	48	110	163.6
64	48	111	45.2	163.6
65	49	50	110	163.6
67	50	302	50	163.6
101	500	601	5	200
102	500	602	5	200
103	500	603	5	200

104	604	607	2.05	150
105	605	608	2.05	150
106	606	609	2.05	150
107	607	608	1.5	300
108	608	609	1.5	300
109	609	610	0.5	300
110	610	611	3.3	300
111	611	201	5	300
68	2	407	101.7	163.6
69	407	408	15.3	163.6
70	408	108	35.3	163.6
1	108	3	14.8	163.6
41	4	409	95.3	163.6
43	409	5	14.7	163.6
45	101	9	25	229.2
52	15	109	32.4	257.8
71	109	16	76.7	257.8
72	202	25	116	130.8
73	27	204	33.3	163.6
74	3	204	27	163.6
75	204	28	82.7	163.6
76	30	31	70	229.2
77	410	32	80.8	229.2
78	12	36	26.3	257.8
79	203	38	28.4	257.8
80	41	411	32.8	229.2
81	43	110	81.6	229.2
82	111	49	64.9	163.6
601	601	604	#N/A	#N/A Pump
602	602	605	#N/A	#N/A Pump

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
603	603	606	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	26	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	7	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	31	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	21	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
713	25	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
717	14	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	18	6.14	#N/A	163.6	Valve
720	6.14	720	#N/A	163.6	Valve
721	40	721	#N/A	163.6	Valve
722	721	722	#N/A	163.6	Valve
723	44	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.32	76.75	76.75	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00
603	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	91.16	85.66	0.00
2	0.00	91.16	85.22	0.00
3	0.00	91.16	84.67	0.00
4	0.00	91.16	85.00	0.00
5	0.00	91.16	85.68	0.00
6	0.00	91.16	84.88	0.00
7	0.00	91.16	84.60	0.00
8	0.00	91.16	84.12	0.00
9	0.00	91.16	83.90	0.00
10	0.00	91.16	84.68	0.00
11	0.00	91.16	84.74	0.00
12	0.00	91.16	85.12	0.00
13	0.00	92.04	85.82	0.00
14	0.00	92.40	86.56	0.00
15	0.00	91.40	84.84	0.00
16	0.00	90.40	84.02	0.00
17	0.00	89.40	83.46	0.00
18	0.00	87.84	81.70	0.00
19	0.00	86.89	80.31	0.00
20	0.00	85.94	78.92	0.00
21	0.00	84.67	78.00	0.00
22	0.00	83.03	76.64	0.00
23	0.00	81.13	74.74	0.00
24	0.00	79.23	72.40	0.00
202	0.00	78.18	71.15	0.00
26	0.00	91.16	83.66	0.00
27	0.00	91.16	85.13	0.00
28	0.00	91.16	84.67	0.00
29	0.00	91.16	84.23	0.00
30	0.00	91.16	84.67	0.00
31	0.00	91.16	84.95	0.00
32	0.00	91.16	84.78	0.00
33	0.00	91.16	84.36	0.00
34	0.00	91.16	84.06	0.00
35	0.00	91.16	84.48	0.00
36	0.00	91.16	84.86	0.00
37	0.00	91.16	84.42	0.00
38	0.00	91.16	84.06	0.00
39	0.00	89.36	82.70	0.00
40	0.00	88.04	81.70	0.00
41	0.00	87.08	81.18	0.00
42	0.00	86.12	80.05	0.00
43	0.00	85.15	78.64	0.00
44	0.00	83.15	76.42	0.00
45	0.00	81.48	75.13	0.00
46	0.00	79.30	73.45	0.00
47	0.00	79.03	72.73	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	78.77	72.03	0.00
49	0.00	78.51	71.85	0.00
50	0.00	78.25	72.03	0.00
51	0.00	76.28	70.53	0.00
203	0.00	91.48	84.93	0.00
103	0.00	85.73	78.64	0.00
105	0.00	91.16	84.00	0.00
201	0.00	92.91	87.21	0.00
302	0.00	78.11	72.09	0.00
401	0.00	89.12	83.30	0.00
402	0.00	82.30	76.18	0.00
601	0.00	8.06	-1.09	0.00
602	0.00	8.06	-1.09	0.00
603	0.00	8.05	-1.10	0.00
604	0.00	96.30	87.15	0.00
605	0.00	96.27	87.12	0.00
606	0.00	96.17	87.02	0.00
610	0.00	93.84	83.44	0.00
611	0.00	93.51	85.61	0.00

607	0.00	94.41	84.01	0.00
608	0.00	94.38	83.98	0.00
609	0.00	94.27	83.87	0.00
701	0.00	91.16	85.66	0.00
702	0.00	91.16	82.86	0.00
703	0.00	91.16	83.66	0.00
704	0.00	91.16	82.12	0.00
705	0.00	91.16	84.60	0.00
706	0.00	91.16	82.56	0.00
707	0.00	91.16	84.95	0.00
708	0.00	91.16	82.66	0.00
709	0.00	84.65	77.98	0.00
710	25.00	84.58	76.01	0.00
711	0.00	79.00	72.70	0.00
712	25.00	78.93	70.57	0.00
713	0.00	75.17	67.68	0.00
714	25.00	75.10	65.90	0.00
715	0.00	76.25	70.50	0.00
716	25.00	76.18	67.84	0.00
25	0.00	75.19	67.70	0.00
108	0.00	91.16	84.61	0.00
407	0.00	91.16	84.81	0.00
408	0.00	91.16	84.75	0.00
409	0.00	91.16	85.38	0.00
101	0.00	91.16	83.80	0.00
109	0.00	91.10	84.41	0.00
204	0.00	91.16	85.00	0.00
410	0.00	91.16	85.11	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
411	0.00	86.79	81.03	0.00	
110	0.00	84.44	77.60	0.00	
111	0.00	78.66	71.74	0.00	
717	0.00	92.38	86.54	0.00	
718	25.00	92.30	83.92	0.00	
6.14	0.00	87.82	87.82	0.00	
720	25.00	87.74	79.34	0.00	
721	0.00	88.02	81.68	0.00	
722	25.00	87.95	79.55	0.00	
723	0.00	83.13	76.40	0.00	
724	25.00	83.05	74.74	0.00	
500	-200.00	8.44	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
2	87.72	1.68	9.20	Open
3	87.72	1.68	9.20	Open
5	0.09	0.00	0.00	Open
6	0.09	0.00	0.00	Open
7	0.09	0.00	0.00	Open
8	0.09	0.00	0.00	Open
10	112.28	2.15	14.53	Open
11	87.28	1.67	9.11	Open
13	87.28	1.67	9.11	Open
14	87.28	1.67	9.11	Open
15	87.28	2.12	16.16	Open
16	62.28	1.51	8.65	Open
17	62.28	1.51	8.65	Open
18	62.28	1.51	11.09	Open
19	-87.72	2.13	16.31	Open
21	-87.72	2.13	16.31	Open
22	0.00	0.00	0.00	Open
23	0.00	0.00	0.00	Open
24	-0.09	0.00	0.00	Open
25	-0.09	0.00	0.00	Open
26	-0.09	0.00	0.00	Open
27	-0.09	0.00	0.00	Open
28	-0.09	0.00	0.00	Open
30	62.72	1.52	8.76	Open
31	62.72	1.52	8.76	Open

32	62.72	1.52	8.76	Open
33	62.72	2.98	45.28	Open
34	-37.72	1.79	17.66	Open
36	37.72	1.79	17.66	Open

Page 7
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
37	37.72	1.79	23.22	Open
38	0.09	0.00	0.00	Open
39	0.09	0.00	0.00	Open
40	0.09	0.00	0.00	Open
42	0.09	0.00	0.00	Open
44	0.00	0.00	0.00	Open
46	-0.09	0.00	0.00	Open
49	-0.09	0.00	0.00	Open
51	-0.09	0.00	0.00	Open
53	0.00	0.00	0.00	Open
54	62.28	1.51	9.96	Open
55	37.28	1.77	17.27	Open
56	37.28	1.77	17.27	Open
57	37.28	1.77	17.27	Open
58	37.28	1.77	17.27	Open
59	37.28	1.77	21.12	Open
60	12.28	0.58	2.44	Open
61	25.00	1.86	26.56	Open
63	12.72	0.61	2.36	Open
64	12.72	0.61	2.36	Open
65	12.72	0.61	2.36	Open
67	12.72	0.61	2.81	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.07	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.96	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.29	Open
110	200.00	2.83	99.50	Open
111	200.00	2.83	119.27	Open
68	0.00	0.00	0.00	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
1	0.00	0.00	0.00	Open
41	-0.09	0.00	0.00	Open
43	-0.09	0.00	0.00	Open
45	-0.09	0.00	0.00	Open
52	87.28	1.67	9.11	Open
71	87.28	1.67	9.11	Open
72	25.00	1.86	25.73	Open
73	0.00	0.00	0.00	Open
74	0.09	0.00	0.00	Open
75	0.09	0.00	0.00	Open
76	0.09	0.00	0.00	Open

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
77	0.09	0.00	0.00	Open
78	-0.09	0.00	0.00	Open
79	87.72	1.68	11.12	Open
80	62.72	1.52	8.76	Open
81	62.72	1.52	8.76	Open
82	12.72	0.61	2.36	Open
601	66.55	0.00	-88.24	Open Pump
602	66.61	0.00	-88.21	Open Pump
603	66.84	0.00	-88.11	Open Pump
701	0.00	0.00	0.00	Active Valve
702	0.00	0.00	0.00	Active Valve
703	0.00	0.00	0.00	Active Valve

704	0.00	0.00	0.00	Active Valve
705	0.00	0.00	0.00	Active Valve
706	0.00	0.00	0.00	Active Valve
707	0.00	0.00	0.00	Active Valve
708	0.00	0.00	0.00	Active Valve
709	25.00	1.19	0.02	Active Valve
710	25.00	1.19	0.07	Active Valve
711	25.00	1.19	0.02	Active Valve
712	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve
717	25.00	1.19	0.02	Active Valve
718	25.00	1.19	0.07	Active Valve
719	25.00	1.19	0.02	Active Valve
720	25.00	1.19	0.07	Active Valve
721	25.00	1.19	0.02	Active Valve
722	25.00	1.19	0.07	Active Valve
723	25.00	1.19	0.02	Active Valve
724	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

3. Comizio irriguo n.3

3. Ipotesi n.3: alimentazione di n.8 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
```

Input File: Linea_3_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
2	201	13	95	257.8
3	13	203	61	257.8
5	12	11	95	229.2
6	11	10	105	229.2
7	10	9	105	229.2
8	101	8	79.9	229.2
10	201	14	35.4	257.8
11	14	15	110	257.8
13	16	17	110	257.8
14	17	401	31	257.8
15	401	18	79	229.2
16	18	19	110	229.2
17	19	20	110	229.2
18	20	103	19	229.2
19	40	39	80.5	229.2
21	39	38	110.7	229.2
22	38	37	89.3	257.8
23	37	36	100	257.8
24	36	35	94.9	229.2
25	35	34	105	229.2
26	34	105	14.2	229.2
27	105	33	90.8	229.2
28	33	32	104.9	229.2
30	40	41	110	229.2
31	411	42	77.3	229.2
32	42	43	110	229.2
33	110	44	28.4	163.6
34	45	44	94.8	163.6
36	45	46	123.2	163.6
37	46	47	11.8	163.6
38	8	7	120	229.2
39	7	6	70	229.2
40	6	5	110	229.2
42	4	3	82.7	163.6
44	2	1	110	130.8
46	410	31	39.2	229.2
49	30	29	109.9	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
51	29	28	110	163.6
53	27	26	184.3	130.8
54	103	21	106	229.2
55	21	22	95	163.6
56	22	402	42.5	163.6
57	402	23	67.5	163.6
58	23	24	110	163.6
59	24	202	50	163.6
60	202	302	28.5	163.6
61	302	51	69	130.8
63	47	48	110	163.6
64	48	111	45.2	163.6
65	49	50	110	163.6
67	50	302	50	163.6
101	500	601	5	200
102	500	602	5	200
103	500	603	5	200

104	604	607	2.05	150	
105	605	608	2.05	150	
106	606	609	2.05	150	
107	607	608	1.5	300	
108	608	609	1.5	300	
109	609	610	0.5	300	
110	610	611	3.3	300	
111	611	201	5	300	
68	2	407	101.7	163.6	
69	407	408	15.3	163.6	
70	408	108	35.3	163.6	
1	108	3	14.8	163.6	
41	4	409	95.3	163.6	
43	409	5	14.7	163.6	
45	101	9	25	229.2	
52	15	109	32.4	257.8	
71	109	16	76.7	257.8	
72	202	25	116	130.8	
73	27	204	33.3	163.6	
74	3	204	27	163.6	
75	204	28	82.7	163.6	
76	30	31	70	229.2	
77	410	32	80.8	229.2	
78	12	36	26.3	257.8	
79	203	38	28.4	257.8	
80	41	411	32.8	229.2	
81	43	110	81.6	229.2	
82	111	49	64.9	163.6	
601	601	604	#N/A	#N/A	Pump
602	602	605	#N/A	#N/A	Pump

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
603	603	606	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	26	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	7	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	31	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	21	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
713	25	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
717	14	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	18	6.14	#N/A	163.6	Valve
720	6.14	720	#N/A	163.6	Valve
721	40	721	#N/A	163.6	Valve
722	721	722	#N/A	163.6	Valve
723	44	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve
725	11	725	#N/A	163.6	Valve
726	725	726	#N/A	163.6	Valve
727	13	727	#N/A	163.6	Valve
728	727	728	#N/A	163.6	Valve
729	35	729	#N/A	163.6	Valve
730	729	730	#N/A	163.6	Valve
731	39	731	#N/A	163.6	Valve
732	731	732	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.32	76.75	76.75	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00

603	100.00	75.00	0.32	76.98	76.98	0.00

Demand Charge: 0.00
Total Cost: 0.00

Page 4
Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	72.30	66.80	0.00
2	0.00	75.14	69.20	0.00
3	0.00	76.51	70.02	0.00
4	0.00	77.18	71.02	0.00
5	0.00	78.06	72.58	0.00
6	0.00	78.23	71.95	0.00
7	0.00	78.34	71.78	0.00
8	0.00	79.11	72.07	0.00
9	0.00	79.71	72.45	0.00
10	0.00	80.30	73.82	0.00
11	0.00	80.90	74.48	0.00
12	0.00	82.05	76.01	0.00
13	0.00	89.55	83.33	0.00
14	0.00	92.90	87.06	0.00
15	0.00	92.84	86.28	0.00
16	0.00	92.79	86.41	0.00
17	0.00	92.73	86.79	0.00
18	0.00	92.64	86.50	0.00
19	0.00	92.54	85.96	0.00
20	0.00	92.44	85.42	0.00
21	0.00	92.32	85.65	0.00
22	0.00	91.87	85.48	0.00
23	0.00	91.36	84.97	0.00
24	0.00	90.85	84.02	0.00
202	0.00	90.57	83.54	0.00
26	0.00	71.51	64.01	0.00
27	0.00	76.24	70.21	0.00
28	0.00	77.21	70.72	0.00
29	0.00	78.14	71.21	0.00
30	0.00	78.32	71.83	0.00
31	0.00	78.44	72.23	0.00
32	0.00	79.26	72.88	0.00
33	0.00	79.87	73.07	0.00
34	0.00	80.49	73.39	0.00
35	0.00	81.10	74.42	0.00
36	0.00	82.27	75.97	0.00
37	0.00	84.75	78.01	0.00
38	0.00	86.97	79.87	0.00
39	0.00	86.95	80.29	0.00
40	0.00	87.03	80.69	0.00
41	0.00	87.13	81.23	0.00
42	0.00	87.22	81.15	0.00
43	0.00	87.32	80.81	0.00
44	0.00	87.53	80.80	0.00
45	0.00	87.97	81.62	0.00
46	0.00	88.54	82.69	0.00
47	0.00	88.61	82.31	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	89.12	82.38	0.00
49	0.00	89.64	82.98	0.00
50	0.00	90.15	83.93	0.00
51	0.00	90.43	84.68	0.00
203	0.00	87.91	81.36	0.00
103	0.00	92.42	85.33	0.00
105	0.00	80.40	73.24	0.00
201	0.00	92.91	87.21	0.00
302	0.00	90.43	84.41	0.00
401	0.00	92.71	86.89	0.00
402	0.00	91.68	85.56	0.00

601	0.00	8.06	-1.09	0.00
602	0.00	8.06	-1.09	0.00
603	0.00	8.05	-1.10	0.00
604	0.00	96.30	87.15	0.00
605	0.00	96.27	87.12	0.00
606	0.00	96.17	87.02	0.00
610	0.00	93.84	83.44	0.00
611	0.00	93.51	85.61	0.00
607	0.00	94.41	84.01	0.00
608	0.00	94.38	83.98	0.00
609	0.00	94.27	83.87	0.00
701	0.00	72.27	66.77	0.00
702	25.00	72.20	63.90	0.00
703	0.00	71.49	63.99	0.00
704	25.00	71.41	62.37	0.00
705	0.00	78.32	71.76	0.00
706	25.00	78.24	69.64	0.00
707	0.00	78.42	72.21	0.00
708	25.00	78.34	69.84	0.00
709	0.00	92.32	85.65	0.00
710	0.00	92.32	83.75	0.00
711	0.00	88.61	82.31	0.00
712	0.00	88.61	80.25	0.00
713	0.00	90.57	83.08	0.00
714	0.00	90.57	81.37	0.00
715	0.00	90.43	84.68	0.00
716	0.00	90.43	82.09	0.00
25	0.00	90.57	83.08	0.00
108	0.00	76.39	69.84	0.00
407	0.00	75.97	69.62	0.00
408	0.00	76.10	69.69	0.00
409	0.00	77.94	72.16	0.00
101	0.00	79.56	72.20	0.00
109	0.00	92.82	86.13	0.00
204	0.00	76.51	70.35	0.00
410	0.00	78.76	72.71	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
411	0.00	87.15	81.39	0.00	
110	0.00	87.40	80.56	0.00	
111	0.00	89.33	82.41	0.00	
717	0.00	92.90	87.06	0.00	
718	0.00	92.90	84.52	0.00	
6.14	0.00	92.64	92.64	0.00	
720	0.00	92.64	84.24	0.00	
721	0.00	87.03	80.69	0.00	
722	0.00	87.03	78.63	0.00	
723	0.00	87.53	80.80	0.00	
724	0.00	87.53	79.22	0.00	
725	0.00	80.87	74.45	0.00	
726	25.00	80.87	72.40	0.00	
727	0.00	89.53	83.31	0.00	
728	25.00	89.45	80.88	0.00	
729	0.00	81.07	74.39	0.00	
730	25.00	81.00	72.36	0.00	
731	0.00	86.93	80.27	0.00	
732	25.00	86.86	78.39	0.00	
500	-200.00	8.44	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
2	181.65	3.48	35.41	Open
3	156.65	3.00	26.92	Open
5	74.64	1.81	12.09	Open
6	49.64	1.20	5.68	Open
7	49.64	1.20	5.68	Open
8	49.64	1.20	5.68	Open
10	18.35	0.35	0.51	Open
11	18.35	0.35	0.51	Open
13	18.35	0.35	0.51	Open

14	18.35	0.35	0.51	Open
15	18.35	0.44	0.90	Open
16	18.35	0.44	0.90	Open
17	18.35	0.44	0.90	Open
18	18.35	0.44	1.11	Open
19	18.35	0.44	0.90	Open
21	-6.65	0.16	0.14	Open
22	150.00	2.87	24.84	Open
23	150.00	2.87	24.84	Open
24	75.36	1.83	12.31	Open
25	50.36	1.22	5.84	Open
26	50.36	1.22	5.84	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
27	50.36	1.22	5.84	Open
28	50.36	1.22	5.84	Open
30	-18.35	0.44	0.90	Open
31	-18.35	0.44	0.90	Open
32	-18.35	0.44	0.90	Open
33	-18.35	0.87	4.65	Open
34	18.35	0.87	4.65	Open
36	-18.35	0.87	4.65	Open
37	-18.35	0.87	5.96	Open
38	49.64	1.20	6.42	Open
39	24.64	0.60	1.55	Open
40	24.64	0.60	1.55	Open
42	24.64	1.17	8.02	Open
44	25.00	1.86	25.80	Open
46	50.36	1.22	8.16	Open
49	25.36	0.61	1.64	Open
51	25.36	1.21	8.46	Open
53	25.00	1.86	25.66	Open
54	18.35	0.44	1.01	Open
55	18.35	0.87	4.65	Open
56	18.35	0.87	4.65	Open
57	18.35	0.87	4.65	Open
58	18.35	0.87	4.65	Open
59	18.35	0.87	5.58	Open
60	18.35	0.87	5.17	Open
61	0.00	0.00	0.00	Open
63	-18.35	0.87	4.65	Open
64	-18.35	0.87	4.65	Open
65	-18.35	0.87	4.65	Open
67	-18.35	0.87	5.58	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.07	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.96	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.31	Open
110	200.00	2.83	99.50	Open
111	200.00	2.83	119.27	Open
68	-25.00	1.19	8.24	Open
69	-25.00	1.19	8.24	Open
70	-25.00	1.19	8.24	Open
1	-25.00	1.19	8.24	Open
41	-24.64	1.17	8.02	Open
43	-24.64	1.17	8.02	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
45	-49.64	1.20	5.68	Open
52	18.35	0.35	0.51	Open
71	18.35	0.35	0.51	Open
72	0.00	0.00	0.00	Open

73	-25.00	1.19	8.24	Open
74	-0.36	0.02	0.00	Open
75	-25.36	1.21	8.46	Open
76	-25.36	0.61	1.64	Open
77	-50.36	1.22	6.21	Open
78	-74.64	1.43	8.32	Open
79	156.65	3.00	33.06	Open
80	-18.35	0.44	0.90	Open
81	-18.35	0.44	0.90	Open
82	-18.35	0.87	4.65	Open
601	66.55	0.00	-88.24	Open Pump
602	66.61	0.00	-88.21	Open Pump
603	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve
705	25.00	1.19	0.02	Active Valve
706	25.00	1.19	0.07	Active Valve
707	25.00	1.19	0.02	Active Valve
708	25.00	1.19	0.07	Active Valve
709	0.00	0.00	0.00	Active Valve
710	0.00	0.00	0.00	Active Valve
711	0.00	0.00	0.00	Active Valve
712	0.00	0.00	0.00	Active Valve
715	0.00	0.00	0.00	Active Valve
716	0.00	0.00	0.00	Active Valve
713	0.00	0.00	0.00	Active Valve
714	0.00	0.00	0.00	Active Valve
717	0.00	0.00	0.00	Active Valve
718	0.00	0.00	0.00	Active Valve
719	0.00	0.00	0.00	Active Valve
720	0.00	0.00	0.00	Active Valve
721	0.00	0.00	0.00	Active Valve
722	0.00	0.00	0.00	Active Valve
723	0.00	0.00	0.00	Active Valve
724	0.00	0.00	0.00	Active Valve
725	25.00	1.19	0.02	Active Valve
726	25.00	1.19	0.00	Active Valve
727	25.00	1.19	0.02	Active Valve
728	25.00	1.19	0.07	Active Valve
729	25.00	1.19	0.02	Active Valve
730	25.00	1.19	0.07	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
731	25.00	1.19	0.02	Active Valve
732	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

4. Comizio irriguo n.4

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
*********************************************************************
```

Input File: Linea_4_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	15	52.9	229.2
3	15	16	100.1	229.2
4	16	17	100	229.2
5	17	18	100	229.2
6	18	19	100	229.2
7	19	303	13.6	229.2
8	303	20	86.4	229.2
9	20	21	115	229.2
10	21	22	85	163.6
11	201	14	45.8	229.2
12	14	13	100	229.2
13	13	12	100	229.2
14	12	11	100	229.2
15	11	102	68.2	229.2
16	102	10	31.9	229.2
17	10	9	100	229.2
18	9	8	100	229.2
19	8	302	65.3	229.2
20	302	7	34.7	229.2
21	7	6	100	163.6
22	6	101	23.6	163.6
23	202	40	52.9	229.2
24	40	41	100.1	229.2
25	41	103	92	229.2
26	103	42	8.1	229.2
27	42	43	100	229.2
28	43	44	100	229.2
29	44	307	24.4	229.2
30	307	45	75.6	229.2
31	45	46	100	229.2
32	46	104	85	163.6
33	202	39	45.8	229.2
34	39	38	100	229.2
35	38	37	100	229.2
36	37	36	100	229.2
37	36	35	100	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	35	34	100	229.2
39	34	306	95.8	229.2
40	306	33	4.2	229.2
41	33	32	100	229.2
42	32	31	99.9	163.6
43	22	23	100	163.6
44	23	24	100	163.6
45	24	304	80.7	163.6
46	304	25	19.3	163.6
47	25	26	100	163.6
48	26	51	27	163.6
49	101	5	76.4	163.6
50	5	4	100	163.6
51	4	301	86.1	229.2
52	301	3	13.6	229.2
53	3	2	100	163.6
54	2	1	100	163.6

55	1	27	34.8	163.6	
56	104	47	15	163.6	
57	47	48	100	163.6	
58	48	49	100	163.6	
59	49	308	45.7	163.6	
60	308	50	54.3	163.6	
61	50	51	100	163.6	
62	31	30	200	163.6	
63	30	305	41.6	163.6	
64	305	29	58.4	163.6	
65	29	28	100	163.6	
66	28	27	100	163.6	
601	400	501	5	200	
602	400	502	5	200	
603	400	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	6	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	6	706	#N/A	163.6	Valve
704	706	707	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
705	27	703	#N/A	163.6	Valve
706	703	704	#N/A	163.6	Valve
707	31	705	#N/A	163.6	Valve
708	705	708	#N/A	163.6	Valve
709	22	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	26	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	81.85	75.20	0.00
2	0.00	82.83	76.58	0.00
3	0.00	83.71	77.86	0.00
4	0.00	83.88	77.74	0.00
5	0.00	84.77	78.23	0.00
6	0.00	85.68	78.92	0.00
7	0.00	88.77	82.41	0.00
8	0.00	89.36	82.88	0.00
9	0.00	89.96	83.08	0.00
10	0.00	90.56	83.28	0.00
11	0.00	91.15	84.02	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
12	0.00	91.75	85.02	0.00
13	0.00	92.35	86.02	0.00
14	0.00	92.94	87.01	0.00
15	0.00	92.90	86.94	0.00
16	0.00	92.30	85.94	0.00
17	0.00	91.71	84.95	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
18	0.00	91.11	84.75	0.00
19	0.00	90.51	84.55	0.00
20	0.00	89.92	83.67	0.00
21	0.00	89.23	82.52	0.00
22	0.00	86.49	79.44	0.00
23	0.00	85.60	78.95	0.00
24	0.00	84.72	78.47	0.00
25	0.00	83.83	77.82	0.00
26	0.00	82.85	76.45	0.00
27	0.00	81.85	75.67	0.00
28	0.00	82.69	76.11	0.00
29	0.00	83.46	77.28	0.00
30	0.00	84.23	78.11	0.00
31	0.00	85.76	78.84	0.00
32	0.00	88.73	82.21	0.00
33	0.00	89.29	83.17	0.00
34	0.00	89.85	83.37	0.00
35	0.00	90.40	83.52	0.00
36	0.00	90.96	83.68	0.00
37	0.00	91.51	84.63	0.00
38	0.00	92.07	85.59	0.00
39	0.00	92.62	86.54	0.00
40	0.00	92.58	86.47	0.00
41	0.00	92.03	85.52	0.00
42	0.00	91.47	84.62	0.00
43	0.00	90.92	84.47	0.00
44	0.00	90.36	84.31	0.00
45	0.00	89.81	83.56	0.00
46	0.00	89.25	82.60	0.00
47	0.00	85.99	79.06	0.00
48	0.00	85.23	78.70	0.00
49	0.00	84.46	78.33	0.00
50	0.00	83.70	77.54	0.00
51	0.00	82.85	76.29	0.00
101	0.00	85.44	78.59	0.00
102	0.00	90.75	83.34	0.00
103	0.00	91.52	84.64	0.00
104	0.00	86.43	79.44	0.00
201	0.00	93.22	87.47	0.00
202	0.00	92.88	86.98	0.00
301	0.00	83.74	77.94	0.00
302	0.00	88.97	82.75	0.00
303	0.00	90.43	84.52	0.00
304	0.00	84.00	78.07	0.00
305	0.00	83.91	77.96	0.00
306	0.00	89.31	83.21	0.00
307	0.00	90.23	84.28	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	84.11	78.16	0.00
501	0.00	8.42	-1.33	0.00
502	0.00	8.42	-1.33	0.00
503	0.00	8.41	-1.34	0.00
504	0.00	96.66	86.91	0.00
505	0.00	96.63	86.88	0.00
506	0.00	96.53	86.78	0.00
507	0.00	94.77	82.99	0.00
508	0.00	94.74	82.96	0.00
509	0.00	94.63	82.85	0.00

510	0.00	94.20	86.25	0.00	
511	0.00	93.85	85.90	0.00	
701	0.00	81.83	75.18	0.00	
702	25.00	81.75	73.48	0.00	
706	0.00	85.66	78.90	0.00	
707	25.00	85.59	77.19	0.00	
703	0.00	81.82	75.64	0.00	
704	25.00	81.75	73.60	0.00	
705	0.00	85.73	78.81	0.00	
708	25.00	85.66	77.28	0.00	
709	0.00	86.46	79.41	0.00	
710	25.00	86.39	77.90	0.00	
711	0.00	85.97	79.04	0.00	
712	25.00	85.90	77.52	0.00	
713	0.00	82.83	76.43	0.00	
714	25.00	82.76	74.36	0.00	
715	0.00	82.83	76.27	0.00	
716	25.00	82.76	74.34	0.00	
400	-200.00	8.80	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	98.05	1.88	14.12	Open
2	50.98	1.24	5.97	Open
3	50.98	1.24	5.97	Open
4	50.98	1.24	5.97	Open
5	50.98	1.24	5.97	Open
6	50.98	1.24	5.97	Open
7	50.98	1.24	5.97	Open
8	50.98	1.24	5.97	Open
9	50.98	1.24	5.97	Open
10	50.98	2.43	32.26	Open
11	50.97	1.24	5.97	Open
12	50.97	1.24	5.97	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
13	50.97	1.24	5.97	Open
14	50.97	1.24	5.97	Open
15	50.97	1.24	5.97	Open
16	50.97	1.24	5.97	Open
17	50.97	1.24	5.97	Open
18	50.97	1.24	5.97	Open
19	50.97	1.24	5.97	Open
20	50.97	1.24	5.97	Open
21	50.97	2.42	30.84	Open
22	25.97	1.24	10.16	Open
23	49.02	1.19	5.55	Open
24	49.02	1.19	5.55	Open
25	49.02	1.19	5.55	Open
26	49.02	1.19	5.55	Open
27	49.02	1.19	5.55	Open
28	49.02	1.19	5.55	Open
29	49.02	1.19	5.55	Open
30	49.02	1.19	5.55	Open
31	49.02	1.19	5.55	Open
32	49.02	2.33	33.24	Open
33	49.03	1.19	5.55	Open
34	49.03	1.19	5.55	Open
35	49.03	1.19	5.55	Open
36	49.03	1.19	5.55	Open
37	49.03	1.19	5.55	Open
38	49.03	1.19	5.55	Open
39	49.03	1.19	5.55	Open
40	49.03	1.19	5.55	Open
41	49.03	1.19	5.55	Open
42	49.03	2.33	29.80	Open
43	25.98	1.24	8.85	Open
44	25.98	1.24	8.85	Open
45	25.98	1.24	8.85	Open
46	25.98	1.24	8.85	Open

47	25.98	1.24	9.79	Open
48	0.98	0.05	0.02	Open
49	25.97	1.24	8.85	Open
50	25.97	1.24	8.85	Open
51	25.97	0.63	1.71	Open
52	25.97	0.63	1.71	Open
53	25.97	1.24	8.85	Open
54	25.97	1.24	9.78	Open
55	0.97	0.05	0.02	Open
56	49.02	2.33	28.68	Open
57	24.02	1.14	7.65	Open
58	24.02	1.14	7.65	Open
59	24.02	1.14	7.65	Open

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Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
60	24.02	1.14	7.65	Open
61	24.02	1.14	8.45	Open
62	24.03	1.14	7.66	Open
63	24.03	1.14	7.66	Open
64	24.03	1.14	7.66	Open
65	24.03	1.14	7.66	Open
66	24.03	1.14	8.46	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open
604	66.55	3.77	919.07	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.97	Open
608	133.16	1.88	78.00	Open
609	200.00	2.83	853.31	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	105.68	Open
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve
705	25.00	1.19	0.02	Active Valve
706	25.00	1.19	0.07	Active Valve
707	25.00	1.19	0.02	Active Valve
708	25.00	1.19	0.07	Active Valve
709	25.00	1.19	0.02	Active Valve
710	25.00	1.19	0.07	Active Valve
711	25.00	1.19	0.02	Active Valve
712	25.00	1.19	0.07	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

4. *Comizio irriguo n.4*
    2. Ipotesi n.2: alimentazione di n.8 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_4_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	15	52.9	229.2
3	15	16	100.1	229.2
4	16	17	100	229.2
5	17	18	100	229.2
6	18	19	100	229.2
7	19	303	13.6	229.2
8	303	20	86.4	229.2
9	20	21	115	229.2
10	21	22	85	163.6
11	201	14	45.8	229.2
12	14	13	100	229.2
13	13	12	100	229.2
14	12	11	100	229.2
15	11	102	68.2	229.2
16	102	10	31.9	229.2
17	10	9	100	229.2
18	9	8	100	229.2
19	8	302	65.3	229.2
20	302	7	34.7	229.2
21	7	6	100	163.6
22	6	101	23.6	163.6
23	202	40	52.9	229.2
24	40	41	100.1	229.2
25	41	103	92	229.2
26	103	42	8.1	229.2
27	42	43	100	229.2
28	43	44	100	229.2
29	44	307	24.4	229.2
30	307	45	75.6	229.2
31	45	46	100	229.2
32	46	104	85	163.6
33	202	39	45.8	229.2
34	39	38	100	229.2
35	38	37	100	229.2
36	37	36	100	229.2
37	36	35	100	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	35	34	100	229.2
39	34	306	95.8	229.2
40	306	33	4.2	229.2
41	33	32	100	229.2
42	32	31	99.9	163.6
43	22	23	100	163.6
44	23	24	100	163.6
45	24	304	80.7	163.6
46	304	25	19.3	163.6
47	25	26	100	163.6
48	26	51	27	163.6
49	101	5	76.4	163.6
50	5	4	100	163.6
51	4	301	86.1	229.2
52	301	3	13.6	229.2
53	3	2	100	163.6
54	2	1	100	163.6

55	1	27	34.8	163.6	
56	104	47	15	163.6	
57	47	48	100	163.6	
58	48	49	100	163.6	
59	49	308	45.7	163.6	
60	308	50	54.3	163.6	
61	50	51	100	163.6	
62	31	30	200	163.6	
63	30	305	41.6	163.6	
64	305	29	58.4	163.6	
65	29	28	100	163.6	
66	28	27	100	163.6	
601	400	501	5	200	
602	400	502	5	200	
603	400	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	6	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	6	706	#N/A	163.6	Valve
704	706	707	#N/A	163.6	Valve

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Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
705	27	703	#N/A	163.6	Valve
706	703	704	#N/A	163.6	Valve
707	31	705	#N/A	163.6	Valve
708	705	708	#N/A	163.6	Valve
709	22	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	26	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
717	15	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	40	719	#N/A	163.6	Valve
720	719	720	#N/A	163.6	Valve
721	19	721	#N/A	300	Valve
722	721	722	#N/A	163.6	Valve
723	44	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve
725	23	725	#N/A	163.6	Valve
726	725	726	#N/A	163.6	Valve
727	48	727	#N/A	163.6	Valve
728	727	728	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

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Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	93.07	86.42	0.00
2	0.00	93.09	86.84	0.00
3	0.00	93.11	87.26	0.00
4	0.00	93.12	86.98	0.00
5	0.00	93.14	86.60	0.00
6	0.00	93.16	86.40	0.00
7	0.00	93.19	86.83	0.00
8	0.00	93.19	86.71	0.00
9	0.00	93.19	86.31	0.00
10	0.00	93.20	85.92	0.00
11	0.00	93.20	86.07	0.00
12	0.00	93.21	86.48	0.00
13	0.00	93.21	86.88	0.00
14	0.00	93.22	87.29	0.00
15	0.00	92.10	86.14	0.00
16	0.00	90.86	84.50	0.00
17	0.00	89.61	82.85	0.00
18	0.00	88.37	82.01	0.00
19	0.00	87.12	81.16	0.00
20	0.00	86.53	80.28	0.00
21	0.00	85.85	79.14	0.00
22	0.00	83.12	76.07	0.00
23	0.00	80.05	73.40	0.00
24	0.00	79.18	72.93	0.00
25	0.00	78.30	72.29	0.00
26	0.00	77.34	70.94	0.00
27	0.00	93.06	86.88	0.00
28	0.00	93.04	86.46	0.00
29	0.00	93.01	86.83	0.00
30	0.00	92.99	86.87	0.00
31	0.00	92.95	86.03	0.00
32	0.00	92.92	86.40	0.00
33	0.00	92.92	86.80	0.00
34	0.00	92.92	86.44	0.00
35	0.00	92.91	86.03	0.00
36	0.00	92.91	85.63	0.00
37	0.00	92.90	86.02	0.00
38	0.00	92.90	86.42	0.00
39	0.00	92.89	86.81	0.00
40	0.00	91.81	85.70	0.00
41	0.00	90.61	84.10	0.00
42	0.00	89.41	82.56	0.00
43	0.00	88.22	81.77	0.00
44	0.00	87.02	80.97	0.00
45	0.00	86.46	80.21	0.00
46	0.00	85.91	79.26	0.00
47	0.00	82.63	75.70	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	79.74	73.21	0.00
49	0.00	78.97	72.84	0.00
50	0.00	78.19	72.03	0.00
51	0.00	77.34	70.78	0.00
101	0.00	93.16	86.31	0.00
102	0.00	93.20	85.79	0.00
103	0.00	89.51	82.63	0.00
104	0.00	83.06	76.07	0.00
201	0.00	93.22	87.47	0.00
202	0.00	92.89	86.99	0.00
301	0.00	93.11	87.31	0.00
302	0.00	93.19	86.97	0.00
303	0.00	87.04	81.13	0.00
304	0.00	78.47	72.54	0.00
305	0.00	93.00	87.05	0.00
306	0.00	92.92	86.82	0.00
307	0.00	86.89	80.94	0.00
308	0.00	78.61	72.66	0.00
501	0.00	8.42	-1.33	0.00
502	0.00	8.42	-1.33	0.00

503	0.00	8.41	-1.34	0.00
504	0.00	96.66	86.91	0.00
505	0.00	96.63	86.88	0.00
506	0.00	96.53	86.78	0.00
507	0.00	94.77	82.99	0.00
508	0.00	94.74	82.96	0.00
509	0.00	94.63	82.85	0.00
510	0.00	94.20	86.25	0.00
511	0.00	93.85	85.90	0.00
701	0.00	93.07	86.42	0.00
702	0.00	93.07	84.80	0.00
706	0.00	93.16	86.40	0.00
707	0.00	93.16	84.76	0.00
703	0.00	93.06	86.88	0.00
704	0.00	93.06	84.91	0.00
705	0.00	92.95	86.03	0.00
708	0.00	92.95	84.57	0.00
709	0.00	83.12	76.07	0.00
710	0.00	83.12	74.63	0.00
711	0.00	82.63	75.70	0.00
712	0.00	82.63	74.25	0.00
713	0.00	77.31	70.91	0.00
714	25.00	77.24	68.84	0.00
715	0.00	77.31	70.75	0.00
716	25.00	77.24	68.82	0.00
717	0.00	92.08	86.12	0.00
718	25.00	92.00	83.51	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
719	0.00	91.78	85.67	0.00	
720	25.00	91.71	83.29	0.00	
721	0.00	87.12	81.16	0.00	
722	25.00	87.05	78.66	0.00	
723	0.00	87.00	80.95	0.00	
724	25.00	86.93	78.62	0.00	
725	0.00	80.03	73.38	0.00	
726	25.00	79.96	71.48	0.00	
727	0.00	79.72	73.19	0.00	
728	25.00	79.65	71.20	0.00	
400	-200.00	8.80	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	95.63	1.83	13.48	Open
2	100.82	2.44	21.10	Open
3	75.82	1.84	12.45	Open
4	75.82	1.84	12.45	Open
5	75.82	1.84	12.45	Open
6	75.82	1.84	12.45	Open
7	50.82	1.23	5.93	Open
8	50.82	1.23	5.93	Open
9	50.82	1.23	5.93	Open
10	50.82	2.42	32.06	Open
11	3.56	0.09	0.04	Open
12	3.56	0.09	0.04	Open
13	3.56	0.09	0.04	Open
14	3.56	0.09	0.04	Open
15	3.56	0.09	0.04	Open
16	3.56	0.09	0.04	Open
17	3.56	0.09	0.04	Open
18	3.56	0.09	0.04	Open
19	3.56	0.09	0.04	Open
20	3.56	0.09	0.04	Open
21	3.56	0.17	0.22	Open
22	3.56	0.17	0.25	Open
23	99.18	2.40	20.47	Open
24	74.18	1.80	11.96	Open
25	74.18	1.80	11.96	Open
26	74.18	1.80	11.96	Open
27	74.18	1.80	11.96	Open

28	74.18	1.80	11.96	Open
29	49.18	1.19	5.59	Open
30	49.18	1.19	5.59	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
31	49.18	1.19	5.59	Open
32	49.18	2.34	33.46	Open
33	-3.56	0.09	0.04	Open
34	-3.56	0.09	0.04	Open
35	-3.56	0.09	0.04	Open
36	-3.56	0.09	0.04	Open
37	-3.56	0.09	0.04	Open
38	-3.56	0.09	0.04	Open
39	-3.56	0.09	0.04	Open
40	-3.56	0.09	0.04	Open
41	-3.56	0.09	0.04	Open
42	-3.56	0.17	0.23	Open
43	50.82	2.42	30.66	Open
44	25.82	1.23	8.75	Open
45	25.82	1.23	8.75	Open
46	25.82	1.23	8.75	Open
47	25.82	1.23	9.67	Open
48	0.82	0.04	0.02	Open
49	3.56	0.17	0.22	Open
50	3.56	0.17	0.22	Open
51	3.56	0.09	0.04	Open
52	3.56	0.09	0.04	Open
53	3.56	0.17	0.22	Open
54	3.56	0.17	0.24	Open
55	3.56	0.17	0.24	Open
56	49.18	2.34	28.86	Open
57	49.18	2.34	28.86	Open
58	24.18	1.15	7.75	Open
59	24.18	1.15	7.75	Open
60	24.18	1.15	7.75	Open
61	24.18	1.15	8.56	Open
62	-3.56	0.17	0.22	Open
63	-3.56	0.17	0.22	Open
64	-3.56	0.17	0.22	Open
65	-3.56	0.17	0.22	Open
66	-3.56	0.17	0.24	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open
604	66.55	3.77	919.07	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.96	Open
608	133.16	1.88	78.01	Open
609	200.00	2.83	853.29	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	105.68	Open

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	0.00	0.00	0.00	Active Valve
702	0.00	0.00	0.00	Active Valve
703	0.00	0.00	0.00	Active Valve
704	0.00	0.00	0.00	Active Valve
705	0.00	0.00	0.00	Active Valve
706	0.00	0.00	0.00	Active Valve
707	0.00	0.00	0.00	Active Valve
708	0.00	0.00	0.00	Active Valve
709	0.00	0.00	0.00	Active Valve
710	0.00	0.00	0.00	Active Valve

711	0.00	0.00	0.00	Active Valve
712	0.00	0.00	0.00	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve
717	25.00	1.19	0.02	Active Valve
718	25.00	1.19	0.07	Active Valve
719	25.00	1.19	0.02	Active Valve
720	25.00	1.19	0.07	Active Valve
721	25.00	0.35	0.00	Active Valve
722	25.00	1.19	0.07	Active Valve
723	25.00	1.19	0.02	Active Valve
724	25.00	1.19	0.07	Active Valve
725	25.00	1.19	0.02	Active Valve
726	25.00	1.19	0.07	Active Valve
727	25.00	1.19	0.02	Active Valve
728	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

4. *Comizio irriguo n.4*
    3. Ipotesi n.3: alimentazione di n.8 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_4_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	24.2	257.8
2	201	15	52.9	229.2
3	15	16	100.1	229.2
4	16	17	100	229.2
5	17	18	100	229.2
6	18	19	100	229.2
7	19	303	13.6	229.2
8	303	20	86.4	229.2
9	20	21	115	229.2
10	21	22	85	163.6
11	201	14	45.8	229.2
12	14	13	100	229.2
13	13	12	100	229.2
14	12	11	100	229.2
15	11	102	68.2	229.2
16	102	10	31.9	229.2
17	10	9	100	229.2
18	9	8	100	229.2
19	8	302	65.3	229.2
20	302	7	34.7	229.2
21	7	6	100	163.6
22	6	101	23.6	163.6
23	202	40	52.9	229.2
24	40	41	100.1	229.2
25	41	103	92	229.2
26	103	42	8.1	229.2
27	42	43	100	229.2
28	43	44	100	229.2
29	44	307	24.4	229.2
30	307	45	75.6	229.2
31	45	46	100	229.2
32	46	104	85	163.6
33	202	39	45.8	229.2
34	39	38	100	229.2
35	38	37	100	229.2
36	37	36	100	229.2
37	36	35	100	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	35	34	100	229.2
39	34	306	95.8	229.2
40	306	33	4.2	229.2
41	33	32	100	229.2
42	32	31	99.9	163.6
43	22	23	100	163.6
44	23	24	100	163.6
45	24	304	80.7	163.6
46	304	25	19.3	163.6
47	25	26	100	163.6
48	26	51	27	163.6
49	101	5	76.4	163.6
50	5	4	100	163.6
51	4	301	86.1	229.2
52	301	3	13.6	229.2
53	3	2	100	163.6
54	2	1	100	163.6

55	1	27	34.8	163.6	
56	104	47	15	163.6	
57	47	48	100	163.6	
58	48	49	100	163.6	
59	49	308	45.7	163.6	
60	308	50	54.3	163.6	
61	50	51	100	163.6	
62	31	30	200	163.6	
63	30	305	41.6	163.6	
64	305	29	58.4	163.6	
65	29	28	100	163.6	
66	28	27	100	163.6	
601	400	501	5	200	
602	400	502	5	200	
603	400	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	6	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	6	706	#N/A	163.6	Valve
704	706	707	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
705	27	703	#N/A	163.6	Valve
706	703	704	#N/A	163.6	Valve
707	31	705	#N/A	163.6	Valve
708	705	708	#N/A	163.6	Valve
709	22	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve
711	47	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	26	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	51	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
717	15	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	40	719	#N/A	163.6	Valve
720	719	720	#N/A	163.6	Valve
721	19	721	#N/A	300	Valve
722	721	722	#N/A	163.6	Valve
723	44	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve
725	23	725	#N/A	163.6	Valve
726	725	726	#N/A	163.6	Valve
727	48	727	#N/A	163.6	Valve
728	727	728	#N/A	163.6	Valve
729	14	729	#N/A	163.6	Valve
730	729	730	#N/A	163.6	Valve
731	39	731	#N/A	163.6	Valve
732	731	732	#N/A	163.6	Valve
733	10	733	#N/A	163.6	Valve
734	733	734	#N/A	163.6	Valve
735	35	735	#N/A	163.6	Valve
736	735	736	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00

Demand Charge:	0.00
Total Cost:	0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	78.59	71.94	0.00
2	0.00	79.56	73.31	0.00
3	0.00	80.44	74.59	0.00
4	0.00	80.61	74.47	0.00
5	0.00	81.49	74.95	0.00
6	0.00	82.40	75.64	0.00
7	0.00	85.48	79.12	0.00
8	0.00	86.07	79.59	0.00
9	0.00	86.67	79.79	0.00
10	0.00	87.26	79.98	0.00
11	0.00	88.51	81.38	0.00
12	0.00	89.76	83.03	0.00
13	0.00	91.00	84.67	0.00
14	0.00	92.25	86.32	0.00
15	0.00	93.22	87.26	0.00
16	0.00	93.21	86.85	0.00
17	0.00	93.21	86.45	0.00
18	0.00	93.20	86.84	0.00
19	0.00	93.20	87.24	0.00
20	0.00	93.19	86.94	0.00
21	0.00	93.19	86.48	0.00
22	0.00	93.16	86.11	0.00
23	0.00	93.14	86.49	0.00
24	0.00	93.11	86.86	0.00
25	0.00	93.09	87.08	0.00
26	0.00	93.06	86.66	0.00
27	0.00	78.59	72.41	0.00
28	0.00	79.44	72.86	0.00
29	0.00	80.21	74.03	0.00
30	0.00	80.98	74.86	0.00
31	0.00	82.53	75.61	0.00
32	0.00	85.51	78.99	0.00
33	0.00	86.07	79.95	0.00
34	0.00	86.63	80.15	0.00
35	0.00	87.18	80.30	0.00
36	0.00	88.38	81.10	0.00
37	0.00	89.57	82.69	0.00
38	0.00	90.76	84.28	0.00
39	0.00	91.96	85.88	0.00
40	0.00	92.90	86.79	0.00
41	0.00	92.90	86.39	0.00
42	0.00	92.91	86.06	0.00
43	0.00	92.91	86.46	0.00
44	0.00	92.92	86.87	0.00
45	0.00	92.92	86.67	0.00
46	0.00	92.93	86.28	0.00
47	0.00	92.95	86.02	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
48	0.00	92.98	86.45	0.00
49	0.00	93.00	86.87	0.00
50	0.00	93.03	86.87	0.00
51	0.00	93.05	86.49	0.00
101	0.00	82.16	75.31	0.00
102	0.00	87.66	80.25	0.00
103	0.00	92.91	86.03	0.00
104	0.00	92.95	85.96	0.00
201	0.00	93.22	87.47	0.00
202	0.00	92.89	86.99	0.00
301	0.00	80.47	74.67	0.00
302	0.00	85.68	79.46	0.00

303	0.00	93.20	87.29	0.00
304	0.00	93.09	87.16	0.00
305	0.00	80.66	74.71	0.00
306	0.00	86.09	79.99	0.00
307	0.00	92.92	86.97	0.00
308	0.00	93.01	87.06	0.00
501	0.00	8.42	-1.33	0.00
502	0.00	8.42	-1.33	0.00
503	0.00	8.41	-1.34	0.00
504	0.00	96.66	86.91	0.00
505	0.00	96.63	86.88	0.00
506	0.00	96.53	86.78	0.00
507	0.00	94.77	82.99	0.00
508	0.00	94.74	82.96	0.00
509	0.00	94.63	82.85	0.00
510	0.00	94.20	86.25	0.00
511	0.00	93.85	85.90	0.00
701	0.00	78.57	71.92	0.00
702	25.00	78.49	70.22	0.00
706	0.00	82.38	75.62	0.00
707	25.00	82.30	73.90	0.00
703	0.00	78.57	72.39	0.00
704	25.00	78.49	70.34	0.00
705	0.00	82.50	75.58	0.00
708	25.00	82.43	74.05	0.00
709	0.00	93.16	86.11	0.00
710	0.00	93.16	84.67	0.00
711	0.00	92.95	86.02	0.00
712	0.00	92.95	84.57	0.00
713	0.00	93.06	86.66	0.00
714	0.00	93.06	84.66	0.00
715	0.00	93.05	86.49	0.00
716	0.00	93.05	84.63	0.00
717	0.00	93.22	87.26	0.00
718	0.00	93.22	84.73	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
719	0.00	92.90	86.79	0.00	
720	0.00	92.90	84.48	0.00	
721	0.00	93.20	87.24	0.00	
722	0.00	93.20	84.81	0.00	
723	0.00	92.92	86.87	0.00	
724	0.00	92.92	84.61	0.00	
725	0.00	93.14	86.49	0.00	
726	0.00	93.14	84.66	0.00	
727	0.00	92.98	86.45	0.00	
728	0.00	92.98	84.53	0.00	
729	0.00	92.23	86.30	0.00	
730	25.00	92.15	83.47	0.00	
731	0.00	91.93	85.85	0.00	
732	25.00	91.86	83.41	0.00	
733	0.00	87.24	79.96	0.00	
734	25.00	87.16	78.30	0.00	
735	0.00	87.16	80.28	0.00	
736	25.00	87.08	78.32	0.00	
400	-200.00	8.80	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	95.33	1.83	13.40	Open
2	3.78	0.09	0.05	Open
3	3.78	0.09	0.05	Open
4	3.78	0.09	0.05	Open
5	3.78	0.09	0.05	Open
6	3.78	0.09	0.05	Open
7	3.78	0.09	0.05	Open
8	3.78	0.09	0.05	Open
9	3.78	0.09	0.05	Open
10	3.78	0.18	0.26	Open
11	100.89	2.45	21.13	Open

12	75.89	1.84	12.47	Open
13	75.89	1.84	12.47	Open
14	75.89	1.84	12.47	Open
15	75.89	1.84	12.47	Open
16	75.89	1.84	12.47	Open
17	50.89	1.23	5.95	Open
18	50.89	1.23	5.95	Open
19	50.89	1.23	5.95	Open
20	50.89	1.23	5.95	Open
21	50.89	2.42	30.74	Open
22	25.89	1.23	10.10	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
23	-3.78	0.09	0.05	Open
24	-3.78	0.09	0.05	Open
25	-3.78	0.09	0.05	Open
26	-3.78	0.09	0.05	Open
27	-3.78	0.09	0.05	Open
28	-3.78	0.09	0.05	Open
29	-3.78	0.09	0.05	Open
30	-3.78	0.09	0.05	Open
31	-3.78	0.09	0.05	Open
32	-3.78	0.18	0.28	Open
33	99.11	2.40	20.45	Open
34	74.11	1.80	11.94	Open
35	74.11	1.80	11.94	Open
36	74.11	1.80	11.94	Open
37	74.11	1.80	11.94	Open
38	49.11	1.19	5.57	Open
39	49.11	1.19	5.57	Open
40	49.11	1.19	5.57	Open
41	49.11	1.19	5.57	Open
42	49.11	2.34	29.90	Open
43	3.78	0.18	0.25	Open
44	3.78	0.18	0.25	Open
45	3.78	0.18	0.25	Open
46	3.78	0.18	0.25	Open
47	3.78	0.18	0.27	Open
48	3.78	0.18	0.27	Open
49	25.89	1.23	8.79	Open
50	25.89	1.23	8.79	Open
51	25.89	0.63	1.70	Open
52	25.89	0.63	1.70	Open
53	25.89	1.23	8.79	Open
54	25.89	1.23	9.72	Open
55	0.89	0.04	0.02	Open
56	-3.78	0.18	0.25	Open
57	-3.78	0.18	0.25	Open
58	-3.78	0.18	0.25	Open
59	-3.78	0.18	0.25	Open
60	-3.78	0.18	0.25	Open
61	-3.78	0.18	0.27	Open
62	24.11	1.15	7.71	Open
63	24.11	1.15	7.71	Open
64	24.11	1.15	7.71	Open
65	24.11	1.15	7.71	Open
66	24.11	1.15	8.51	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open

Page 8
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
604	66.55	3.77	919.07	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.97	Open
608	133.16	1.88	78.00	Open

609	200.00	2.83	853.31	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	105.68	Open
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve
705	25.00	1.19	0.02	Active Valve
706	25.00	1.19	0.07	Active Valve
707	25.00	1.19	0.02	Active Valve
708	25.00	1.19	0.07	Active Valve
709	0.00	0.00	0.00	Active Valve
710	0.00	0.00	0.00	Active Valve
711	0.00	0.00	0.00	Active Valve
712	0.00	0.00	0.00	Active Valve
713	0.00	0.00	0.00	Active Valve
714	0.00	0.00	0.00	Active Valve
715	0.00	0.00	0.00	Active Valve
716	0.00	0.00	0.00	Active Valve
717	0.00	0.00	0.00	Active Valve
718	0.00	0.00	0.00	Active Valve
719	0.00	0.00	0.00	Active Valve
720	0.00	0.00	0.00	Active Valve
721	0.00	0.00	0.00	Active Valve
722	0.00	0.00	0.00	Active Valve
723	0.00	0.00	0.00	Active Valve
724	0.00	0.00	0.00	Active Valve
725	0.00	0.00	0.00	Active Valve
726	0.00	0.00	0.00	Active Valve
727	0.00	0.00	0.00	Active Valve
728	0.00	0.00	0.00	Active Valve
729	25.00	1.19	0.02	Active Valve
730	25.00	1.19	0.07	Active Valve
731	25.00	1.19	0.02	Active Valve
732	25.00	1.19	0.07	Active Valve
733	25.00	1.19	0.02	Active Valve
734	25.00	1.19	0.07	Active Valve
735	25.00	1.19	0.02	Active Valve
736	25.00	1.19	0.07	Active Valve

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All.3 Report di calcolo dimensionamento in moto permanente

5. *Comizio irriguo n.5*
    1. Ipotesi n.1: alimentazione delle dieci utenze terminali dei rami della rete nella configurazione finale;

```
**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                        Version 2.0                                 *
**********************************************************************
```

Input File: Linea_5_Qmax_H-W_Pompe_ETN_125-100-315 - IPO1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	58	229.2
2	1	2	150	229.2
3	2	3	150	229.2
4	3	4	150	229.2
5	4	5	155	229.2
6	5	6	155	163.6
7	6	7	150	163.6
8	7	8	150	163.6
9	8	9	120	163.6
101	1000	101	92	229.2
102	101	102	150	229.2
2000	1000	21	26	257.8
202	202	203	150	229.2
201	202	201	150	229.2
205	205	206	155	163.6
204	205	204	155	229.2
208	208	209	120	163.6
207	208	207	150	163.6
103	102	103	150	229.2
104	103	104	150	229.2
105	104	105	150	163.6
106	105	106	150	163.6
107	106	107	150	163.6
108	107	108	135	163.6
302	303	302	150	229.2
301	302	301	150	229.2
304	303	304	150	229.2
305	304	305	150	163.6
307	307	306	150	163.6
1000	1000_1	1000	10	300
1000_1	19	1000_1	3.2	300
40	30	40	0.7	300
30	20	30	1.4	300
10	10	20	1.4	300
3000	2000	3000	660	229.2
3001	3000	3001	166	229.2
3002	3001	3002	160	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
3003	3002	3003	145	229.2
3004	3003	3004	155	229.2
3005	3004	3005	145	229.2
3006	3005	3006	150	229.2
3007	3006	3007	150	229.2
209	9	209	24	163.6
206	207	206	150	163.6
203	204	203	150	229.2
2000_201	201	21	58	229.2
2000_301	2000	301	65	229.2
306	305	306	150	163.6
110_310	108	308	30	163.6
3008	3007	3008	110	229.2
3009	3008	3009	110	229.2
11	R	11	7.5	200
12	R	12	7.5	200
13	R	13	7.5	200

14	R	14	7.5	200	
15	18	10	1.7	150	
16	17	20	1.7	150	
17	16	30	1.7	150	
18	15	40	1.7	150	
19	19	40	0.7	300	
308	307	308	135	163.6	
20	21	2000	28	257.8	
P4	11	15	#N/A	#N/A	Pump
P3	12	16	#N/A	#N/A	Pump
P2	13	17	#N/A	#N/A	Pump
P1	14	18	#N/A	#N/A	Pump
209_1	209	209_1	#N/A	163.6	Valve
209_2	209_1	209_2	#N/A	163.6	Valve
9_1	9	9_1	#N/A	163.6	Valve
9_2	9_1	9_2	#N/A	163.6	Valve
108_1	108	108_1	#N/A	163.6	Valve
108_2	108_1	108_2	#N/A	163.6	Valve
308_1	308	308_1	#N/A	163.6	Valve
308_2	308_1	308_2	#N/A	163.6	Valve
106_1	106	106_1	#N/A	163.6	Valve
106_2	106_1	106_2	#N/A	163.6	Valve
306_1	306	306_1	#N/A	163.6	Valve
306_2	306_1	306_2	#N/A	163.6	Valve
102_1	102	102_1	#N/A	163.6	Valve
102_2	102_1	102_2	#N/A	163.6	Valve
302_1	302	302_1	#N/A	163.6	Valve
302_2	302_1	302_2	#N/A	163.6	Valve
6_1	6	6_1	#N/A	163.6	Valve
6_2	6_1	6_2	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
206_1	206	206_1	#N/A	163.6	Valve
206_2	206_1	206_2	#N/A	163.6	Valve
1_1	1	1_1	#N/A	163.6	Valve
1_2	1_1	1_2	#N/A	163.6	Valve
2_1	2	2_1	#N/A	163.6	Valve
2_2	2_1	2_2	#N/A	163.6	Valve
3_1	3	3_1	#N/A	163.6	Valve
3_2	3_1	3_2	#N/A	163.6	Valve
4_1	4	4_1	#N/A	163.6	Valve
4_2	4_1	4_2	#N/A	163.6	Valve
5_1	5	5_1	#N/A	163.6	Valve
5_2	5_1	5_2	#N/A	163.6	Valve
7_1	7	7_1	#N/A	163.6	Valve
7_2	7_1	7_2	#N/A	163.6	Valve
8_1	8	8_1	#N/A	163.6	Valve
8_2	8_1	8_2	#N/A	163.6	Valve
208_1	208	208_1	#N/A	163.6	Valve
208_2	208_1	208_2	#N/A	163.6	Valve
207_1	207	207_1	#N/A	163.6	Valve
207_2	207_1	207_2	#N/A	163.6	Valve
205_1	205	205_1	#N/A	163.6	Valve
205_2	205_1	205_2	#N/A	163.6	Valve
204_1	204	204_1	#N/A	163.6	Valve
204_2	204_1	204_2	#N/A	163.6	Valve
203_1	203	203_1	#N/A	163.6	Valve
203_2	203_1	203_2	#N/A	163.6	Valve
202_1	202	202_1	#N/A	163.6	Valve
202_2	202_1	202_2	#N/A	163.6	Valve
201_1	201	201_1	#N/A	163.6	Valve
201_2	201_1	201_2	#N/A	163.6	Valve
301_1	301	301_1	#N/A	163.6	Valve
301_2	301_1	301_2	#N/A	163.6	Valve
303_1	303	303_1	#N/A	163.6	Valve
303_2	303_1	303_2	#N/A	163.6	Valve
304_1	304	304_1	#N/A	163.6	Valve
304_2	304_1	304_2	#N/A	163.6	Valve
305_1	305	305_1	#N/A	163.6	Valve
305_2	305_1	305_2	#N/A	163.6	Valve
307_1	307	307_1	#N/A	163.6	Valve
307_2	307_1	307_2	#N/A	163.6	Valve
107_1	107	107_1	#N/A	163.6	Valve

107_2	107_1	107_2	#N/A	163.6	Valve
105_1	105	105_1	#N/A	163.6	Valve
105_2	105_1	105_2	#N/A	163.6	Valve
104_1	104	104_1	#N/A	163.6	Valve
104_2	104_1	104_2	#N/A	163.6	Valve
103_1	103	103_1	#N/A	163.6	Valve

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Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
103_2	103_1	103_2	#N/A	163.6	Valve
101_1	101	101_1	#N/A	163.6	Valve
101_2	101_1	101_2	#N/A	163.6	Valve
3000_1	3000	3000_1	#N/A	163.6	Valve
3000_2	3000_1	3000_2	#N/A	163.6	Valve
3001_1	3001	3001_1	#N/A	163.6	Valve
3001_2	3001_1	3001_2	#N/A	163.6	Valve
3002_1	3002	3002_1	#N/A	163.6	Valve
3002_2	3002_1	3002_2	#N/A	163.6	Valve
3003_1	3003	3003_1	#N/A	163.6	Valve
3003_2	3003_1	3003_2	#N/A	163.6	Valve
3004_1	3004	3004_1	#N/A	163.6	Valve
3004_2	3004_1	3004_2	#N/A	163.6	Valve
3005_1	3005	3005_1	#N/A	163.6	Valve
3005_2	3005_1	3005_2	#N/A	163.6	Valve
3006_1	3006	3006_1	#N/A	163.6	Valve
3006_2	3006_1	3006_2	#N/A	163.6	Valve
3007_1	3007	3007_1	#N/A	163.6	Valve
3007_2	3007_1	3007_2	#N/A	163.6	Valve
3008_1	3008	3008_1	#N/A	163.6	Valve
3008_2	3008_1	3008_2	#N/A	163.6	Valve
3009_1	3009	3009_1	#N/A	163.6	Valve
3009_2	3009_1	3009_2	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
P4	100.00	75.00	0.33	73.85	73.85	0.00
P3	100.00	75.00	0.33	73.52	73.52	0.00
P2	100.00	75.00	0.33	73.38	73.38	0.00
P1	100.00	75.00	0.33	73.35	73.35	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

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Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	85.58	79.74	0.00
108	0.00	85.58	79.86	0.00
307	0.00	86.55	80.17	0.00
107	0.00	85.60	79.34	0.00
306	0.00	87.55	80.86	0.00
106	0.00	87.10	80.49	0.00
305	0.00	88.60	82.52	0.00
105	0.00	88.67	82.66	0.00
304	0.00	89.65	82.99	0.00
104	0.00	90.24	83.82	0.00
302	0.00	90.65	83.51	0.00
102	0.00	91.51	84.63	0.00
301	0.00	91.49	85.03	0.00
101	0.00	92.54	86.25	0.00
201	0.00	91.81	85.53	0.00
1	0.00	92.78	86.63	0.00
202	0.00	90.98	84.43	0.00
2	0.00	91.89	85.36	0.00
203	0.00	90.15	84.20	0.00
3	0.00	90.99	85.06	0.00

204	0.00	89.32	83.97	0.00
4	0.00	90.10	84.78	0.00
205	0.00	88.43	82.82	0.00
5	0.00	89.14	83.70	0.00
206	0.00	87.18	80.95	0.00
6	0.00	87.70	81.67	0.00
207	0.00	86.03	79.42	0.00
7	0.00	86.38	79.93	0.00
208	0.00	84.83	78.82	0.00
8	0.00	84.98	79.13	0.00
209	0.00	83.83	77.78	0.00
9	0.00	83.83	77.87	0.00
1000	0.00	93.13	87.21	0.00
2000	0.00	91.83	85.66	0.00
103	0.00	90.53	83.51	0.00
303	0.00	89.84	82.57	0.00
209_1	0.00	83.80	77.75	0.00
209_2	25.00	83.73	75.47	0.00
9_1	0.00	83.80	77.84	0.00
9_2	25.00	83.73	75.60	0.00
108_1	0.00	85.58	79.86	0.00
108_2	0.00	85.58	77.43	0.00
308_1	0.00	85.55	79.71	0.00
308_2	25.00	85.48	77.25	0.00
1000_1	0.00	94.33	87.73	0.00
40	0.00	95.51	84.36	0.00
30	0.00	95.71	84.56	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
20	0.00	95.81	84.66	0.00
10	0.00	95.84	84.69	0.00
3000	0.00	87.96	81.96	0.00
3001	0.00	87.69	81.69	0.00
3002	0.00	87.44	81.44	0.00
3003	0.00	87.21	81.21	0.00
3004	0.00	86.96	80.96	0.00
3005	0.00	86.73	80.73	0.00
3006	0.00	86.49	80.49	0.00
3007	0.00	86.25	80.25	0.00
3008	0.00	86.06	80.06	0.00
3009	0.00	85.85	79.85	0.00
106_1	0.00	87.10	80.49	0.00
106_2	0.00	87.10	78.89	0.00
306_1	0.00	87.55	80.86	0.00
306_2	0.00	87.55	79.12	0.00
102_1	0.00	91.51	84.63	0.00
102_2	0.00	91.51	82.83	0.00
302_1	0.00	90.65	83.51	0.00
302_2	0.00	90.65	81.75	0.00
6_1	0.00	87.70	81.67	0.00
6_2	0.00	87.70	79.67	0.00
206_1	0.00	87.18	80.95	0.00
206_2	0.00	87.18	78.89	0.00
11	0.00	7.33	-1.82	0.00
12	0.00	7.33	-1.82	0.00
13	0.00	7.33	-1.82	0.00
14	0.00	7.33	-1.82	0.00
15	0.00	97.15	88.00	0.00
16	0.00	97.33	88.18	0.00
17	0.00	97.42	88.27	0.00
18	0.00	97.45	88.30	0.00
19	0.00	94.83	83.68	0.00
1_1	0.00	92.78	86.63	0.00
1_2	0.00	92.78	84.38	0.00
2_1	0.00	91.89	85.36	0.00
2_2	0.00	91.89	83.91	0.00
3_1	0.00	90.99	85.06	0.00
3_2	0.00	90.99	83.30	0.00
4_1	0.00	90.10	84.78	0.00
4_2	0.00	90.10	82.60	0.00
5_1	0.00	89.11	83.67	0.00
5_2	25.00	89.04	81.29	0.00
7_1	0.00	86.38	79.93	0.00

7_2	0.00	86.38	78.37	0.00
8_1	0.00	84.98	79.13	0.00
8_2	0.00	84.98	76.99	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208_1	0.00	84.83	78.82	0.00
208_2	0.00	84.83	76.66	0.00
207_1	0.00	86.03	79.42	0.00
207_2	0.00	86.03	77.89	0.00
205_1	0.00	88.40	82.79	0.00
205_2	25.00	88.33	80.39	0.00
204_1	0.00	89.32	83.97	0.00
204_2	0.00	89.32	81.72	0.00
203_1	0.00	90.15	84.20	0.00
203_2	0.00	90.15	82.31	0.00
202_1	0.00	90.98	84.43	0.00
202_2	0.00	90.98	82.91	0.00
201_1	0.00	91.81	85.53	0.00
201_2	0.00	91.81	83.48	0.00
301_1	0.00	91.49	85.03	0.00
301_2	0.00	91.49	82.77	0.00
303_1	0.00	89.82	82.55	0.00
303_2	25.00	89.74	80.81	0.00
304_1	0.00	89.65	82.99	0.00
304_2	0.00	89.65	80.91	0.00
305_1	0.00	88.60	82.52	0.00
305_2	0.00	88.60	80.02	0.00
307_1	0.00	86.55	80.17	0.00
307_2	0.00	86.55	78.31	0.00
107_1	0.00	85.58	79.32	0.00
107_2	25.00	85.50	77.33	0.00
105_1	0.00	88.67	82.66	0.00
105_2	0.00	88.67	80.28	0.00
104_1	0.00	90.24	83.82	0.00
104_2	0.00	90.24	81.68	0.00
103_1	0.00	90.50	83.48	0.00
103_2	25.00	90.43	81.77	0.00
101_1	0.00	92.54	86.25	0.00
101_2	0.00	92.54	83.90	0.00
3000_1	0.00	87.94	81.94	0.00
3000_2	25.00	87.86	79.16	0.00
3001_1	0.00	87.69	81.69	0.00
3001_2	0.00	87.69	78.69	0.00
3002_1	0.00	87.44	81.44	0.00
3002_2	0.00	87.44	78.44	0.00
3003_1	0.00	87.21	81.21	0.00
3003_2	0.00	87.21	78.41	0.00
3004_1	0.00	86.96	80.96	0.00
3004_2	0.00	86.96	77.96	0.00
3005_1	0.00	86.73	80.73	0.00
3005_2	0.00	86.73	78.23	0.00
3006_1	0.00	86.49	80.49	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
3006_2	0.00	86.49	77.69	0.00	
3007_1	0.00	86.25	80.25	0.00	
3007_2	0.00	86.25	77.85	0.00	
3008_1	0.00	86.06	80.06	0.00	
3008_2	0.00	86.06	77.66	0.00	
3009_1	0.00	85.82	79.82	0.00	
3009_2	25.00	85.75	77.75	0.00	
21	0.00	92.14	86.09	0.00	
R	-250.00	7.75	0.00	0.00	Reservoir

Link Results:

Link	Flow	VelocityUnit	Headloss	Status

ID	LPS	m/s	m/km	
1	50.97	1.24	5.97	Open
2	50.97	1.24	5.97	Open
3	50.97	1.24	5.97	Open
4	50.97	1.24	5.97	Open
5	50.97	1.24	6.17	Open
6	25.97	1.24	9.27	Open
7	25.97	1.24	8.84	Open
8	25.97	1.24	9.29	Open
9	25.97	1.24	9.62	Open
101	52.70	1.28	6.35	Open
102	52.70	1.28	6.86	Open
2000	146.33	2.80	38.05	Open
202	49.03	1.19	5.55	Open
201	-49.03	1.19	5.55	Open
205	24.03	1.14	8.03	Open
204	-49.03	1.19	5.74	Open
208	24.03	1.14	8.33	Open
207	-24.03	1.14	8.04	Open
103	52.70	1.28	6.57	Open
104	27.70	0.67	1.93	Open
105	27.70	1.32	10.47	Open
106	27.70	1.32	10.47	Open
107	27.70	1.32	9.97	Open
108	2.70	0.13	0.14	Open
302	-47.30	1.15	5.37	Open
301	-47.30	1.15	5.61	Open
304	22.30	0.54	1.29	Open
305	22.30	1.06	7.00	Open
307	-22.30	1.06	6.67	Open
1000	250.00	3.54	120.73	Open
1000_1	250.00	3.54	156.57	Open
40	187.10	2.65	288.23	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
30	124.60	1.76	72.23	Open
10	62.28	0.88	18.46	Open
3000	50.00	1.21	5.85	Open
3001	25.00	0.61	1.61	Open
3002	25.00	0.61	1.60	Open
3003	25.00	0.61	1.60	Open
3004	25.00	0.61	1.60	Open
3005	25.00	0.61	1.60	Open
3006	25.00	0.61	1.60	Open
3007	25.00	0.61	1.60	Open
209	0.97	0.05	0.02	Open
206	-24.03	1.14	7.66	Open
203	-49.03	1.19	5.55	Open
2000_201	-49.03	1.19	5.55	Open
2000_301	47.30	1.15	5.20	Open
306	22.30	1.06	7.00	Open
110_310	2.70	0.13	0.14	Open
3008	25.00	0.61	1.75	Open
3009	25.00	0.61	1.91	Open
11	62.90	2.00	56.41	Open
12	62.50	1.99	55.72	Open
13	62.32	1.98	55.42	Open
14	62.28	1.98	55.34	Open
15	62.28	3.52	945.86	Open
16	62.32	3.53	947.22	Open
17	62.50	3.54	952.56	Open
18	62.90	3.56	964.79	Open
19	-250.00	3.54	967.26	Open
308	22.30	1.06	7.18	Open
20	97.30	1.86	11.14	Open
P4	62.90	0.00	-89.82	Open Pump
P3	62.50	0.00	-90.00	Open Pump
P2	62.32	0.00	-90.09	Open Pump
P1	62.28	0.00	-90.11	Open Pump
209_1	25.00	1.19	0.02	Active Valve
209_2	25.00	1.19	0.07	Active Valve
9_1	25.00	1.19	0.02	Active Valve

9_2	25.00	1.19	0.07	Active Valve
108_1	0.00	0.00	0.00	Active Valve
108_2	0.00	0.00	0.00	Active Valve
308_1	25.00	1.19	0.02	Active Valve
308_2	25.00	1.19	0.07	Active Valve
106_1	0.00	0.00	0.00	Active Valve
106_2	0.00	0.00	0.00	Active Valve
306_1	0.00	0.00	0.00	Active Valve
306_2	0.00	0.00	0.00	Active Valve
102_1	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
102_2	0.00	0.00	0.00	Active Valve
302_1	0.00	0.00	0.00	Active Valve
302_2	0.00	0.00	0.00	Active Valve
6_1	0.00	0.00	0.00	Active Valve
6_2	0.00	0.00	0.00	Active Valve
206_1	0.00	0.00	0.00	Active Valve
206_2	0.00	0.00	0.00	Active Valve
1_1	0.00	0.00	0.00	Active Valve
1_2	0.00	0.00	0.00	Active Valve
2_1	0.00	0.00	0.00	Active Valve
2_2	0.00	0.00	0.00	Active Valve
3_1	0.00	0.00	0.00	Active Valve
3_2	0.00	0.00	0.00	Active Valve
4_1	0.00	0.00	0.00	Active Valve
4_2	0.00	0.00	0.00	Active Valve
5_1	25.00	1.19	0.02	Active Valve
5_2	25.00	1.19	0.07	Active Valve
7_1	0.00	0.00	0.00	Active Valve
7_2	0.00	0.00	0.00	Active Valve
8_1	0.00	0.00	0.00	Active Valve
8_2	0.00	0.00	0.00	Active Valve
208_1	0.00	0.00	0.00	Active Valve
208_2	0.00	0.00	0.00	Active Valve
207_1	0.00	0.00	0.00	Active Valve
207_2	0.00	0.00	0.00	Active Valve
205_1	25.00	1.19	0.02	Active Valve
205_2	25.00	1.19	0.07	Active Valve
204_1	0.00	0.00	0.00	Active Valve
204_2	0.00	0.00	0.00	Active Valve
203_1	0.00	0.00	0.00	Active Valve
203_2	0.00	0.00	0.00	Active Valve
202_1	0.00	0.00	0.00	Active Valve
202_2	0.00	0.00	0.00	Active Valve
201_1	0.00	0.00	0.00	Active Valve
201_2	0.00	0.00	0.00	Active Valve
301_1	0.00	0.00	0.00	Active Valve
301_2	0.00	0.00	0.00	Active Valve
303_1	25.00	1.19	0.02	Active Valve
303_2	25.00	1.19	0.07	Active Valve
304_1	0.00	0.00	0.00	Active Valve
304_2	0.00	0.00	0.00	Active Valve
305_1	0.00	0.00	0.00	Active Valve
305_2	0.00	0.00	0.00	Active Valve
307_1	0.00	0.00	0.00	Active Valve
307_2	0.00	0.00	0.00	Active Valve
107_1	25.00	1.19	0.02	Active Valve
107_2	25.00	1.19	0.07	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
105_1	0.00	0.00	0.00	Active Valve
105_2	0.00	0.00	0.00	Active Valve
104_1	0.00	0.00	0.00	Active Valve
104_2	0.00	0.00	0.00	Active Valve
103_1	25.00	1.19	0.02	Active Valve
103_2	25.00	1.19	0.07	Active Valve

101_1	0.00	0.00	0.00	Active Valve
101_2	0.00	0.00	0.00	Active Valve
3000_1	25.00	1.19	0.02	Active Valve
3000_2	25.00	1.19	0.07	Active Valve
3001_1	0.00	0.00	0.00	Active Valve
3001_2	0.00	0.00	0.00	Active Valve
3002_1	0.00	0.00	0.00	Active Valve
3002_2	0.00	0.00	0.00	Active Valve
3003_1	0.00	0.00	0.00	Active Valve
3003_2	0.00	0.00	0.00	Active Valve
3004_1	0.00	0.00	0.00	Active Valve
3004_2	0.00	0.00	0.00	Active Valve
3005_1	0.00	0.00	0.00	Active Valve
3005_2	0.00	0.00	0.00	Active Valve
3006_1	0.00	0.00	0.00	Active Valve
3006_2	0.00	0.00	0.00	Active Valve
3007_1	0.00	0.00	0.00	Active Valve
3007_2	0.00	0.00	0.00	Active Valve
3008_1	0.00	0.00	0.00	Active Valve
3008_2	0.00	0.00	0.00	Active Valve
3009_1	25.00	1.19	0.02	Active Valve
3009_2	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

5. *Comizio irriguo n.5*
    2. Ipotesi n.2: alimentazione di n.10 utenze terminali dei rami nord e sud nella configurazione di progetto (esclusa l'espansione futura a sud);

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                        Version 2.0                                 *
**********************************************************************
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Input File: Linea_5_Qmax_H-W_Pompe_ETN_125-100-315 - IPO2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	58	229.2
2	1	2	150	229.2
3	2	3	150	229.2
4	3	4	150	229.2
5	4	5	155	229.2
6	5	6	155	163.6
7	6	7	150	163.6
8	7	8	150	163.6
9	8	9	120	163.6
101	1000	101	92	229.2
102	101	102	150	229.2
2000	1000	21	26	257.8
202	202	203	150	229.2
201	202	201	150	229.2
205	205	206	155	163.6
204	205	204	155	229.2
208	208	209	120	163.6
207	208	207	150	163.6
103	102	103	150	229.2
104	103	104	150	229.2
105	104	105	150	163.6
106	105	106	150	163.6
107	106	107	150	163.6
108	107	108	135	163.6
302	303	302	150	229.2
301	302	301	150	229.2
304	303	304	150	229.2
305	304	305	150	163.6
307	307	306	150	163.6
1000	1000_1	1000	10	300
1000_1	19	1000_1	3.2	300
40	30	40	0.7	300
30	20	30	1.4	300
10	10	20	1.4	300
3000	2000	3000	660	229.2
3001	3000	3001	166	229.2
3002	3001	3002	160	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
3003	3002	3003	145	229.2
3004	3003	3004	155	229.2
3005	3004	3005	145	229.2
3006	3005	3006	150	229.2
3007	3006	3007	150	229.2
209	9	209	24	163.6
206	207	206	150	163.6
203	204	203	150	229.2
2000_201	201	21	58	229.2
2000_301	2000	301	65	229.2
306	305	306	150	163.6
110_310	108	308	30	163.6
3008	3007	3008	110	229.2
3009	3008	3009	110	229.2
11	R	11	7.5	200
12	R	12	7.5	200
13	R	13	7.5	200

14	R	14	7.5	200	
15	18	10	1.7	150	
16	17	20	1.7	150	
17	16	30	1.7	150	
18	15	40	1.7	150	
19	19	40	0.7	300	
308	307	308	135	163.6	
20	21	2000	28	257.8	
P4	11	15	#N/A	#N/A	Pump
P3	12	16	#N/A	#N/A	Pump
P2	13	17	#N/A	#N/A	Pump
P1	14	18	#N/A	#N/A	Pump
209_1	209	209_1	#N/A	163.6	Valve
209_2	209_1	209_2	#N/A	163.6	Valve
9_1	9	9_1	#N/A	163.6	Valve
9_2	9_1	9_2	#N/A	163.6	Valve
108_1	108	108_1	#N/A	163.6	Valve
108_2	108_1	108_2	#N/A	163.6	Valve
308_1	308	308_1	#N/A	163.6	Valve
308_2	308_1	308_2	#N/A	163.6	Valve
106_1	106	106_1	#N/A	163.6	Valve
106_2	106_1	106_2	#N/A	163.6	Valve
306_1	306	306_1	#N/A	163.6	Valve
306_2	306_1	306_2	#N/A	163.6	Valve
102_1	102	102_1	#N/A	163.6	Valve
102_2	102_1	102_2	#N/A	163.6	Valve
302_1	302	302_1	#N/A	163.6	Valve
302_2	302_1	302_2	#N/A	163.6	Valve
6_1	6	6_1	#N/A	163.6	Valve
6_2	6_1	6_2	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
206_1	206	206_1	#N/A	163.6	Valve
206_2	206_1	206_2	#N/A	163.6	Valve
1_1	1	1_1	#N/A	163.6	Valve
1_2	1_1	1_2	#N/A	163.6	Valve
2_1	2	2_1	#N/A	163.6	Valve
2_2	2_1	2_2	#N/A	163.6	Valve
3_1	3	3_1	#N/A	163.6	Valve
3_2	3_1	3_2	#N/A	163.6	Valve
4_1	4	4_1	#N/A	163.6	Valve
4_2	4_1	4_2	#N/A	163.6	Valve
5_1	5	5_1	#N/A	163.6	Valve
5_2	5_1	5_2	#N/A	163.6	Valve
7_1	7	7_1	#N/A	163.6	Valve
7_2	7_1	7_2	#N/A	163.6	Valve
8_1	8	8_1	#N/A	163.6	Valve
8_2	8_1	8_2	#N/A	163.6	Valve
208_1	208	208_1	#N/A	163.6	Valve
208_2	208_1	208_2	#N/A	163.6	Valve
207_1	207	207_1	#N/A	163.6	Valve
207_2	207_1	207_2	#N/A	163.6	Valve
205_1	205	205_1	#N/A	163.6	Valve
205_2	205_1	205_2	#N/A	163.6	Valve
204_1	204	204_1	#N/A	163.6	Valve
204_2	204_1	204_2	#N/A	163.6	Valve
203_1	203	203_1	#N/A	163.6	Valve
203_2	203_1	203_2	#N/A	163.6	Valve
202_1	202	202_1	#N/A	163.6	Valve
202_2	202_1	202_2	#N/A	163.6	Valve
201_1	201	201_1	#N/A	163.6	Valve
201_2	201_1	201_2	#N/A	163.6	Valve
301_1	301	301_1	#N/A	163.6	Valve
301_2	301_1	301_2	#N/A	163.6	Valve
303_1	303	303_1	#N/A	163.6	Valve
303_2	303_1	303_2	#N/A	163.6	Valve
304_1	304	304_1	#N/A	163.6	Valve
304_2	304_1	304_2	#N/A	163.6	Valve
305_1	305	305_1	#N/A	163.6	Valve
305_2	305_1	305_2	#N/A	163.6	Valve
307_1	307	307_1	#N/A	163.6	Valve
307_2	307_1	307_2	#N/A	163.6	Valve
107_1	107	107_1	#N/A	163.6	Valve

107_2	107_1	107_2	#N/A	163.6	Valve
105_1	105	105_1	#N/A	163.6	Valve
105_2	105_1	105_2	#N/A	163.6	Valve
104_1	104	104_1	#N/A	163.6	Valve
104_2	104_1	104_2	#N/A	163.6	Valve
103_1	103	103_1	#N/A	163.6	Valve

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Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
103_2	103_1	103_2	#N/A	163.6	Valve
101_1	101	101_1	#N/A	163.6	Valve
101_2	101_1	101_2	#N/A	163.6	Valve
3000_1	3000	3000_1	#N/A	163.6	Valve
3000_2	3000_1	3000_2	#N/A	163.6	Valve
3001_1	3001	3001_1	#N/A	163.6	Valve
3001_2	3001_1	3001_2	#N/A	163.6	Valve
3002_1	3002	3002_1	#N/A	163.6	Valve
3002_2	3002_1	3002_2	#N/A	163.6	Valve
3003_1	3003	3003_1	#N/A	163.6	Valve
3003_2	3003_1	3003_2	#N/A	163.6	Valve
3004_1	3004	3004_1	#N/A	163.6	Valve
3004_2	3004_1	3004_2	#N/A	163.6	Valve
3005_1	3005	3005_1	#N/A	163.6	Valve
3005_2	3005_1	3005_2	#N/A	163.6	Valve
3006_1	3006	3006_1	#N/A	163.6	Valve
3006_2	3006_1	3006_2	#N/A	163.6	Valve
3007_1	3007	3007_1	#N/A	163.6	Valve
3007_2	3007_1	3007_2	#N/A	163.6	Valve
3008_1	3008	3008_1	#N/A	163.6	Valve
3008_2	3008_1	3008_2	#N/A	163.6	Valve
3009_1	3009	3009_1	#N/A	163.6	Valve
3009_2	3009_1	3009_2	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
P4	100.00	75.00	0.33	73.85	73.85	0.00
P3	100.00	75.00	0.33	73.52	73.52	0.00
P2	100.00	75.00	0.33	73.38	73.38	0.00
P1	100.00	75.00	0.33	73.35	73.35	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

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Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	79.25	73.41	0.00
108	0.00	79.20	73.48	0.00
307	0.00	81.52	75.14	0.00
107	0.00	79.65	73.39	0.00
306	0.00	83.85	77.16	0.00
106	0.00	82.58	75.97	0.00
305	0.00	86.30	80.22	0.00
105	0.00	85.66	79.65	0.00
304	0.00	88.76	82.10	0.00
104	0.00	88.75	82.33	0.00
302	0.00	90.47	83.33	0.00
102	0.00	90.76	83.88	0.00
301	0.00	91.79	85.33	0.00
101	0.00	92.27	85.98	0.00
201	0.00	91.97	85.69	0.00
1	0.00	92.59	86.44	0.00
202	0.00	90.74	84.19	0.00
2	0.00	91.20	84.67	0.00
203	0.00	89.51	83.56	0.00
3	0.00	89.82	83.89	0.00

204	0.00	88.29	82.94	0.00
4	0.00	88.43	83.11	0.00
205	0.00	86.98	81.37	0.00
5	0.00	86.95	81.51	0.00
206	0.00	84.41	78.18	0.00
6	0.00	83.80	77.77	0.00
207	0.00	82.05	75.44	0.00
7	0.00	80.91	74.46	0.00
208	0.00	79.57	73.56	0.00
8	0.00	77.86	72.01	0.00
209	0.00	77.51	71.46	0.00
9	0.00	77.47	71.51	0.00
1000	0.00	93.13	87.21	0.00
2000	0.00	92.31	86.14	0.00
103	0.00	89.31	82.29	0.00
303	0.00	89.21	81.94	0.00
209_1	0.00	77.49	71.44	0.00
209_2	25.00	77.41	69.15	0.00
9_1	0.00	77.44	71.48	0.00
9_2	25.00	77.37	69.24	0.00
108_1	0.00	79.18	73.46	0.00
108_2	25.00	79.10	70.95	0.00
308_1	0.00	79.23	73.39	0.00
308_2	25.00	79.16	70.93	0.00
1000_1	0.00	94.33	87.73	0.00
40	0.00	95.51	84.36	0.00
30	0.00	95.71	84.56	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
20	0.00	95.81	84.66	0.00
10	0.00	95.84	84.69	0.00
3000	0.00	92.31	86.31	0.00
3001	0.00	92.31	86.31	0.00
3002	0.00	92.31	86.31	0.00
3003	0.00	92.31	86.31	0.00
3004	0.00	92.31	86.31	0.00
3005	0.00	92.31	86.31	0.00
3006	0.00	92.31	86.31	0.00
3007	0.00	92.31	86.31	0.00
3008	0.00	92.31	86.31	0.00
3009	0.00	92.31	86.31	0.00
106_1	0.00	82.58	75.97	0.00
106_2	0.00	82.58	74.37	0.00
306_1	0.00	83.85	77.16	0.00
306_2	0.00	83.85	75.42	0.00
102_1	0.00	90.76	83.88	0.00
102_2	0.00	90.76	82.08	0.00
302_1	0.00	90.47	83.33	0.00
302_2	0.00	90.47	81.57	0.00
6_1	0.00	83.80	77.77	0.00
6_2	0.00	83.80	75.77	0.00
206_1	0.00	84.41	78.18	0.00
206_2	0.00	84.41	76.12	0.00
11	0.00	7.33	-1.82	0.00
12	0.00	7.33	-1.82	0.00
13	0.00	7.33	-1.82	0.00
14	0.00	7.33	-1.82	0.00
15	0.00	97.15	88.00	0.00
16	0.00	97.33	88.18	0.00
17	0.00	97.42	88.27	0.00
18	0.00	97.45	88.30	0.00
19	0.00	94.83	83.68	0.00
1_1	0.00	92.59	86.44	0.00
1_2	0.00	92.59	84.19	0.00
2_1	0.00	91.20	84.67	0.00
2_2	0.00	91.20	83.22	0.00
3_1	0.00	89.82	83.89	0.00
3_2	0.00	89.82	82.13	0.00
4_1	0.00	88.43	83.11	0.00
4_2	0.00	88.43	80.93	0.00
5_1	0.00	86.92	81.48	0.00
5_2	25.00	86.85	79.10	0.00
7_1	0.00	80.91	74.46	0.00

7_2	0.00	80.91	72.90	0.00
8_1	0.00	77.84	71.99	0.00
8_2	25.00	77.76	69.77	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208_1	0.00	79.57	73.56	0.00
208_2	0.00	79.57	71.40	0.00
207_1	0.00	82.05	75.44	0.00
207_2	0.00	82.05	73.91	0.00
205_1	0.00	86.95	81.34	0.00
205_2	25.00	86.88	78.94	0.00
204_1	0.00	88.29	82.94	0.00
204_2	0.00	88.29	80.69	0.00
203_1	0.00	89.51	83.56	0.00
203_2	0.00	89.51	81.67	0.00
202_1	0.00	90.74	84.19	0.00
202_2	0.00	90.74	82.67	0.00
201_1	0.00	91.97	85.69	0.00
201_2	0.00	91.97	83.64	0.00
301_1	0.00	91.79	85.33	0.00
301_2	0.00	91.79	83.07	0.00
303_1	0.00	89.18	81.91	0.00
303_2	25.00	89.11	80.18	0.00
304_1	0.00	88.76	82.10	0.00
304_2	0.00	88.76	80.02	0.00
305_1	0.00	86.30	80.22	0.00
305_2	0.00	86.30	77.72	0.00
307_1	0.00	81.52	75.14	0.00
307_2	0.00	81.52	73.28	0.00
107_1	0.00	79.63	73.37	0.00
107_2	25.00	79.56	71.39	0.00
105_1	0.00	85.66	79.65	0.00
105_2	0.00	85.66	77.27	0.00
104_1	0.00	88.75	82.33	0.00
104_2	0.00	88.75	80.19	0.00
103_1	0.00	89.29	82.27	0.00
103_2	25.00	89.21	80.55	0.00
101_1	0.00	92.27	85.98	0.00
101_2	0.00	92.27	83.63	0.00
3000_1	0.00	92.31	86.31	0.00
3000_2	0.00	92.31	83.61	0.00
3001_1	0.00	92.31	86.31	0.00
3001_2	0.00	92.31	83.31	0.00
3002_1	0.00	92.31	86.31	0.00
3002_2	0.00	92.31	83.31	0.00
3003_1	0.00	92.31	86.31	0.00
3003_2	0.00	92.31	83.51	0.00
3004_1	0.00	92.31	86.31	0.00
3004_2	0.00	92.31	83.31	0.00
3005_1	0.00	92.31	86.31	0.00
3005_2	0.00	92.31	83.81	0.00
3006_1	0.00	92.31	86.31	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
3006_2	0.00	92.31	83.51	0.00	
3007_1	0.00	92.31	86.31	0.00	
3007_2	0.00	92.31	83.91	0.00	
3008_1	0.00	92.31	86.31	0.00	
3008_2	0.00	92.31	83.91	0.00	
3009_1	0.00	92.31	86.31	0.00	
3009_2	0.00	92.31	84.31	0.00	
21	0.00	92.44	86.39	0.00	
R	-250.00	7.75	0.00	0.00	Reservoir

Link Results:

Link	Flow	VelocityUnit	Headloss	Status

ID	LPS	m/s	m/km	
1	64.57	1.56	9.25	Open
2	64.57	1.56	9.25	Open
3	64.57	1.56	9.25	Open
4	64.57	1.56	9.25	Open
5	64.57	1.56	9.57	Open
6	39.57	1.88	20.29	Open
7	39.57	1.88	19.29	Open
8	39.57	1.88	20.32	Open
9	14.57	0.69	3.28	Open
101	64.80	1.57	9.31	Open
102	64.80	1.57	10.08	Open
2000	120.63	2.31	26.32	Open
202	60.43	1.46	8.18	Open
201	-60.43	1.46	8.18	Open
205	35.43	1.69	16.53	Open
204	-60.43	1.46	8.46	Open
208	35.43	1.69	17.17	Open
207	-35.43	1.69	16.55	Open
103	64.80	1.57	9.64	Open
104	39.80	0.96	3.77	Open
105	39.80	1.89	20.55	Open
106	39.80	1.89	20.55	Open
107	39.80	1.89	19.50	Open
108	14.80	0.70	3.35	Open
302	-60.20	1.46	8.41	Open
301	-60.20	1.46	8.79	Open
304	35.20	0.85	3.01	Open
305	35.20	1.67	16.35	Open
307	-35.20	1.67	15.53	Open
1000	250.00	3.54	120.73	Open
1000_1	250.00	3.54	156.57	Open
40	187.10	2.65	288.23	Open

Page 9
Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
30	124.60	1.76	72.23	Open
10	62.28	0.88	18.46	Open
3000	0.00	0.00	0.00	Open
3001	0.00	0.00	0.00	Open
3002	0.00	0.00	0.00	Open
3003	0.00	0.00	0.00	Open
3004	0.00	0.00	0.00	Open
3005	0.00	0.00	0.00	Open
3006	0.00	0.00	0.00	Open
3007	0.00	0.00	0.00	Open
209	-10.43	0.50	1.83	Open
206	-35.43	1.69	15.72	Open
203	-60.43	1.46	8.18	Open
2000_201	-60.43	1.46	8.18	Open
2000_301	60.20	1.46	8.12	Open
306	35.20	1.67	16.35	Open
110_310	-10.20	0.49	1.72	Open
3008	0.00	0.00	0.00	Open
3009	0.00	0.00	0.00	Open
11	62.90	2.00	56.41	Open
12	62.50	1.99	55.72	Open
13	62.32	1.98	55.42	Open
14	62.28	1.98	55.34	Open
15	62.28	3.52	945.86	Open
16	62.32	3.53	947.22	Open
17	62.50	3.54	952.56	Open
18	62.90	3.56	964.79	Open
19	-250.00	3.54	967.26	Open
308	35.20	1.67	16.80	Open
20	60.20	1.15	4.58	Open
P4	62.90	0.00	-89.82	Open Pump
P3	62.50	0.00	-90.00	Open Pump
P2	62.32	0.00	-90.09	Open Pump
P1	62.28	0.00	-90.11	Open Pump
209_1	25.00	1.19	0.02	Active Valve
209_2	25.00	1.19	0.07	Active Valve
9_1	25.00	1.19	0.02	Active Valve

9_2	25.00	1.19	0.07	Active Valve
108_1	25.00	1.19	0.02	Active Valve
108_2	25.00	1.19	0.07	Active Valve
308_1	25.00	1.19	0.02	Active Valve
308_2	25.00	1.19	0.07	Active Valve
106_1	0.00	0.00	0.00	Active Valve
106_2	0.00	0.00	0.00	Active Valve
306_1	0.00	0.00	0.00	Active Valve
306_2	0.00	0.00	0.00	Active Valve
102_1	0.00	0.00	0.00	Active Valve

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
102_2	0.00	0.00	0.00	Active Valve
302_1	0.00	0.00	0.00	Active Valve
302_2	0.00	0.00	0.00	Active Valve
6_1	0.00	0.00	0.00	Active Valve
6_2	0.00	0.00	0.00	Active Valve
206_1	0.00	0.00	0.00	Active Valve
206_2	0.00	0.00	0.00	Active Valve
1_1	0.00	0.00	0.00	Active Valve
1_2	0.00	0.00	0.00	Active Valve
2_1	0.00	0.00	0.00	Active Valve
2_2	0.00	0.00	0.00	Active Valve
3_1	0.00	0.00	0.00	Active Valve
3_2	0.00	0.00	0.00	Active Valve
4_1	0.00	0.00	0.00	Active Valve
4_2	0.00	0.00	0.00	Active Valve
5_1	25.00	1.19	0.02	Active Valve
5_2	25.00	1.19	0.07	Active Valve
7_1	0.00	0.00	0.00	Active Valve
7_2	0.00	0.00	0.00	Active Valve
8_1	25.00	1.19	0.02	Active Valve
8_2	25.00	1.19	0.07	Active Valve
208_1	0.00	0.00	0.00	Active Valve
208_2	0.00	0.00	0.00	Active Valve
207_1	0.00	0.00	0.00	Active Valve
207_2	0.00	0.00	0.00	Active Valve
205_1	25.00	1.19	0.02	Active Valve
205_2	25.00	1.19	0.07	Active Valve
204_1	0.00	0.00	0.00	Active Valve
204_2	0.00	0.00	0.00	Active Valve
203_1	0.00	0.00	0.00	Active Valve
203_2	0.00	0.00	0.00	Active Valve
202_1	0.00	0.00	0.00	Active Valve
202_2	0.00	0.00	0.00	Active Valve
201_1	0.00	0.00	0.00	Active Valve
201_2	0.00	0.00	0.00	Active Valve
301_1	0.00	0.00	0.00	Active Valve
301_2	0.00	0.00	0.00	Active Valve
303_1	25.00	1.19	0.02	Active Valve
303_2	25.00	1.19	0.07	Active Valve
304_1	0.00	0.00	0.00	Active Valve
304_2	0.00	0.00	0.00	Active Valve
305_1	0.00	0.00	0.00	Active Valve
305_2	0.00	0.00	0.00	Active Valve
307_1	0.00	0.00	0.00	Active Valve
307_2	0.00	0.00	0.00	Active Valve
107_1	25.00	1.19	0.02	Active Valve
107_2	25.00	1.19	0.07	Active Valve

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
105_1	0.00	0.00	0.00	Active Valve
105_2	0.00	0.00	0.00	Active Valve
104_1	0.00	0.00	0.00	Active Valve
104_2	0.00	0.00	0.00	Active Valve
103_1	25.00	1.19	0.02	Active Valve
103_2	25.00	1.19	0.07	Active Valve

101_1	0.00	0.00	0.00	Active Valve
101_2	0.00	0.00	0.00	Active Valve
3000_1	0.00	0.00	0.00	Active Valve
3000_2	0.00	0.00	0.00	Active Valve
3001_1	0.00	0.00	0.00	Active Valve
3001_2	0.00	0.00	0.00	Active Valve
3002_1	0.00	0.00	0.00	Active Valve
3002_2	0.00	0.00	0.00	Active Valve
3003_1	0.00	0.00	0.00	Active Valve
3003_2	0.00	0.00	0.00	Active Valve
3004_1	0.00	0.00	0.00	Active Valve
3004_2	0.00	0.00	0.00	Active Valve
3005_1	0.00	0.00	0.00	Active Valve
3005_2	0.00	0.00	0.00	Active Valve
3006_1	0.00	0.00	0.00	Active Valve
3006_2	0.00	0.00	0.00	Active Valve
3007_1	0.00	0.00	0.00	Active Valve
3007_2	0.00	0.00	0.00	Active Valve
3008_1	0.00	0.00	0.00	Active Valve
3008_2	0.00	0.00	0.00	Active Valve
3009_1	0.00	0.00	0.00	Active Valve
3009_2	0.00	0.00	0.00	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

5. *Comizio irriguo n.5*
    3. Ipotesi n.3: alimentazione di n.10 utenze dei rami nord e sud nella configurazione di progetto (esclusa l'espansione futura a sud) delle quali n.6 ad ovest della stazione di sollevamento e n.4 ad est.

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                        Version 2.0                                 *
**********************************************************************
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Input File: Linea_5_Qmax_H-W_Pompe_ETN_125-100-315 - IPO3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	58	229.2
2	1	2	150	229.2
3	2	3	150	229.2
4	3	4	150	229.2
5	4	5	155	229.2
6	5	6	155	163.6
7	6	7	150	163.6
8	7	8	150	163.6
9	8	9	120	163.6
101	1000	101	92	229.2
102	101	102	150	229.2
2000	1000	21	26	257.8
202	202	203	150	229.2
201	202	201	150	229.2
205	205	206	155	163.6
204	205	204	155	229.2
208	208	209	120	163.6
207	208	207	150	163.6
103	102	103	150	229.2
104	103	104	150	229.2
105	104	105	150	163.6
106	105	106	150	163.6
107	106	107	150	163.6
108	107	108	135	163.6
302	303	302	150	229.2
301	302	301	150	229.2
304	303	304	150	229.2
305	304	305	150	163.6
307	307	306	150	163.6
1000	1000_1	1000	10	300
1000_1	19	1000_1	3.2	300
40	30	40	0.7	300
30	20	30	1.4	300
10	10	20	1.4	300
3000	2000	3000	660	229.2
3001	3000	3001	166	229.2
3002	3001	3002	160	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
3003	3002	3003	145	229.2
3004	3003	3004	155	229.2
3005	3004	3005	145	229.2
3006	3005	3006	150	229.2
3007	3006	3007	150	229.2
209	9	209	24	163.6
206	207	206	150	163.6
203	204	203	150	229.2
2000_201	201	21	58	229.2
2000_301	2000	301	65	229.2
306	305	306	150	163.6
110_310	108	308	30	163.6
3008	3007	3008	110	229.2
3009	3008	3009	110	229.2
11	R	11	7.5	200
12	R	12	7.5	200
13	R	13	7.5	200

14	R	14	7.5	200	
15	18	10	1.7	150	
16	17	20	1.7	150	
17	16	30	1.7	150	
18	15	40	1.7	150	
19	19	40	0.7	300	
308	307	308	135	163.6	
20	21	2000	28	257.8	
P4	11	15	#N/A	#N/A	Pump
P3	12	16	#N/A	#N/A	Pump
P2	13	17	#N/A	#N/A	Pump
P1	14	18	#N/A	#N/A	Pump
209_1	209	209_1	#N/A	163.6	Valve
209_2	209_1	209_2	#N/A	163.6	Valve
9_1	9	9_1	#N/A	163.6	Valve
9_2	9_1	9_2	#N/A	163.6	Valve
108_1	108	108_1	#N/A	163.6	Valve
108_2	108_1	108_2	#N/A	163.6	Valve
308_1	308	308_1	#N/A	163.6	Valve
308_2	308_1	308_2	#N/A	163.6	Valve
106_1	106	106_1	#N/A	163.6	Valve
106_2	106_1	106_2	#N/A	163.6	Valve
306_1	306	306_1	#N/A	163.6	Valve
306_2	306_1	306_2	#N/A	163.6	Valve
102_1	102	102_1	#N/A	163.6	Valve
102_2	102_1	102_2	#N/A	163.6	Valve
302_1	302	302_1	#N/A	163.6	Valve
302_2	302_1	302_2	#N/A	163.6	Valve
6_1	6	6_1	#N/A	163.6	Valve
6_2	6_1	6_2	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
206_1	206	206_1	#N/A	163.6	Valve
206_2	206_1	206_2	#N/A	163.6	Valve
1_1	1	1_1	#N/A	163.6	Valve
1_2	1_1	1_2	#N/A	163.6	Valve
2_1	2	2_1	#N/A	163.6	Valve
2_2	2_1	2_2	#N/A	163.6	Valve
3_1	3	3_1	#N/A	163.6	Valve
3_2	3_1	3_2	#N/A	163.6	Valve
4_1	4	4_1	#N/A	163.6	Valve
4_2	4_1	4_2	#N/A	163.6	Valve
5_1	5	5_1	#N/A	163.6	Valve
5_2	5_1	5_2	#N/A	163.6	Valve
7_1	7	7_1	#N/A	163.6	Valve
7_2	7_1	7_2	#N/A	163.6	Valve
8_1	8	8_1	#N/A	163.6	Valve
8_2	8_1	8_2	#N/A	163.6	Valve
208_1	208	208_1	#N/A	163.6	Valve
208_2	208_1	208_2	#N/A	163.6	Valve
207_1	207	207_1	#N/A	163.6	Valve
207_2	207_1	207_2	#N/A	163.6	Valve
205_1	205	205_1	#N/A	163.6	Valve
205_2	205_1	205_2	#N/A	163.6	Valve
204_1	204	204_1	#N/A	163.6	Valve
204_2	204_1	204_2	#N/A	163.6	Valve
203_1	203	203_1	#N/A	163.6	Valve
203_2	203_1	203_2	#N/A	163.6	Valve
202_1	202	202_1	#N/A	163.6	Valve
202_2	202_1	202_2	#N/A	163.6	Valve
201_1	201	201_1	#N/A	163.6	Valve
201_2	201_1	201_2	#N/A	163.6	Valve
301_1	301	301_1	#N/A	163.6	Valve
301_2	301_1	301_2	#N/A	163.6	Valve
303_1	303	303_1	#N/A	163.6	Valve
303_2	303_1	303_2	#N/A	163.6	Valve
304_1	304	304_1	#N/A	163.6	Valve
304_2	304_1	304_2	#N/A	163.6	Valve
305_1	305	305_1	#N/A	163.6	Valve
305_2	305_1	305_2	#N/A	163.6	Valve
307_1	307	307_1	#N/A	163.6	Valve
307_2	307_1	307_2	#N/A	163.6	Valve
107_1	107	107_1	#N/A	163.6	Valve

107_2	107_1	107_2	#N/A	163.6	Valve
105_1	105	105_1	#N/A	163.6	Valve
105_2	105_1	105_2	#N/A	163.6	Valve
104_1	104	104_1	#N/A	163.6	Valve
104_2	104_1	104_2	#N/A	163.6	Valve
103_1	103	103_1	#N/A	163.6	Valve

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
103_2	103_1	103_2	#N/A	163.6	Valve
101_1	101	101_1	#N/A	163.6	Valve
101_2	101_1	101_2	#N/A	163.6	Valve
3000_1	3000	3000_1	#N/A	163.6	Valve
3000_2	3000_1	3000_2	#N/A	163.6	Valve
3001_1	3001	3001_1	#N/A	163.6	Valve
3001_2	3001_1	3001_2	#N/A	163.6	Valve
3002_1	3002	3002_1	#N/A	163.6	Valve
3002_2	3002_1	3002_2	#N/A	163.6	Valve
3003_1	3003	3003_1	#N/A	163.6	Valve
3003_2	3003_1	3003_2	#N/A	163.6	Valve
3004_1	3004	3004_1	#N/A	163.6	Valve
3004_2	3004_1	3004_2	#N/A	163.6	Valve
3005_1	3005	3005_1	#N/A	163.6	Valve
3005_2	3005_1	3005_2	#N/A	163.6	Valve
3006_1	3006	3006_1	#N/A	163.6	Valve
3006_2	3006_1	3006_2	#N/A	163.6	Valve
3007_1	3007	3007_1	#N/A	163.6	Valve
3007_2	3007_1	3007_2	#N/A	163.6	Valve
3008_1	3008	3008_1	#N/A	163.6	Valve
3008_2	3008_1	3008_2	#N/A	163.6	Valve
3009_1	3009	3009_1	#N/A	163.6	Valve
3009_2	3009_1	3009_2	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
P4	100.00	75.00	0.33	74.06	74.06	0.00
P3	100.00	75.00	0.33	73.45	73.45	0.00
P2	100.00	75.00	0.33	73.32	73.32	0.00
P1	100.00	75.00	0.33	73.28	73.28	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

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Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	75.98	70.14	0.00
108	0.00	75.98	70.26	0.00
307	0.00	77.14	70.76	0.00
107	0.00	77.22	70.96	0.00
306	0.00	78.34	71.65	0.00
106	0.00	78.50	71.89	0.00
305	0.00	82.97	76.89	0.00
105	0.00	83.28	77.27	0.00
304	0.00	87.61	80.95	0.00
104	0.00	88.07	81.65	0.00
302	0.00	89.34	82.20	0.00
102	0.00	89.86	82.98	0.00
301	0.00	91.30	84.84	0.00
101	0.00	91.86	85.57	0.00
201	0.00	91.95	85.67	0.00
1	0.00	92.66	86.51	0.00
202	0.00	91.11	84.56	0.00
2	0.00	91.77	85.24	0.00
203	0.00	90.26	84.31	0.00
3	0.00	90.89	84.96	0.00

204	0.00	89.42	84.07	0.00
4	0.00	90.01	84.69	0.00
205	0.00	88.52	82.91	0.00
5	0.00	89.06	83.62	0.00
206	0.00	83.77	77.54	0.00
6	0.00	84.09	78.06	0.00
207	0.00	82.58	75.97	0.00
7	0.00	82.80	76.35	0.00
208	0.00	81.34	75.33	0.00
8	0.00	81.44	75.59	0.00
209	0.00	80.32	74.27	0.00
9	0.00	80.32	74.36	0.00
1000	0.00	93.00	87.08	0.00
2000	0.00	92.09	85.92	0.00
103	0.00	88.95	81.93	0.00
303	0.00	88.46	81.19	0.00
209_1	0.00	80.29	74.24	0.00
209_2	25.00	80.22	71.96	0.00
9_1	0.00	80.29	74.33	0.00
9_2	25.00	80.22	72.09	0.00
108_1	0.00	75.96	70.24	0.00
108_2	25.00	75.88	67.73	0.00
308_1	0.00	75.96	70.12	0.00
308_2	25.00	75.88	67.65	0.00
1000_1	0.00	94.21	87.61	0.00
40	0.00	95.38	84.23	0.00
30	0.00	95.76	84.61	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
20	0.00	95.86	84.71	0.00
10	0.00	95.89	84.74	0.00
3000	0.00	92.09	86.09	0.00
3001	0.00	92.09	86.09	0.00
3002	0.00	92.09	86.09	0.00
3003	0.00	92.09	86.09	0.00
3004	0.00	92.09	86.09	0.00
3005	0.00	92.09	86.09	0.00
3006	0.00	92.09	86.09	0.00
3007	0.00	92.09	86.09	0.00
3008	0.00	92.09	86.09	0.00
3009	0.00	92.09	86.09	0.00
106_1	0.00	78.47	71.86	0.00
106_2	25.00	78.40	70.19	0.00
306_1	0.00	78.31	71.62	0.00
306_2	25.00	78.24	69.81	0.00
102_1	0.00	89.83	82.95	0.00
102_2	25.00	89.76	81.08	0.00
302_1	0.00	89.31	82.17	0.00
302_2	25.00	89.24	80.34	0.00
6_1	0.00	84.07	78.04	0.00
6_2	25.00	83.99	75.96	0.00
206_1	0.00	83.74	77.51	0.00
206_2	25.00	83.67	75.38	0.00
11	0.00	7.32	-1.83	0.00
12	0.00	7.33	-1.82	0.00
13	0.00	7.34	-1.81	0.00
14	0.00	7.34	-1.81	0.00
15	0.00	97.04	87.89	0.00
16	0.00	97.38	88.23	0.00
17	0.00	97.47	88.32	0.00
18	0.00	97.49	88.34	0.00
19	0.00	94.71	83.56	0.00
1_1	0.00	92.66	86.51	0.00
1_2	0.00	92.66	84.26	0.00
2_1	0.00	91.77	85.24	0.00
2_2	0.00	91.77	83.79	0.00
3_1	0.00	90.89	84.96	0.00
3_2	0.00	90.89	83.20	0.00
4_1	0.00	90.01	84.69	0.00
4_2	0.00	90.01	82.51	0.00
5_1	0.00	89.06	83.62	0.00
5_2	0.00	89.06	81.31	0.00
7_1	0.00	82.80	76.35	0.00

7_2	0.00	82.80	74.79	0.00
8_1	0.00	81.44	75.59	0.00
8_2	0.00	81.44	73.45	0.00

Page 7
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208_1	0.00	81.34	75.33	0.00
208_2	0.00	81.34	73.17	0.00
207_1	0.00	82.58	75.97	0.00
207_2	0.00	82.58	74.44	0.00
205_1	0.00	88.52	82.91	0.00
205_2	0.00	88.52	80.58	0.00
204_1	0.00	89.42	84.07	0.00
204_2	0.00	89.42	81.82	0.00
203_1	0.00	90.26	84.31	0.00
203_2	0.00	90.26	82.42	0.00
202_1	0.00	91.11	84.56	0.00
202_2	0.00	91.11	83.04	0.00
201_1	0.00	91.95	85.67	0.00
201_2	0.00	91.95	83.62	0.00
301_1	0.00	91.30	84.84	0.00
301_2	0.00	91.30	82.58	0.00
303_1	0.00	88.46	81.19	0.00
303_2	0.00	88.46	79.53	0.00
304_1	0.00	87.61	80.95	0.00
304_2	0.00	87.61	78.87	0.00
305_1	0.00	82.97	76.89	0.00
305_2	0.00	82.97	74.39	0.00
307_1	0.00	77.14	70.76	0.00
307_2	0.00	77.14	68.90	0.00
107_1	0.00	77.22	70.96	0.00
107_2	0.00	77.22	69.05	0.00
105_1	0.00	83.28	77.27	0.00
105_2	0.00	83.28	74.89	0.00
104_1	0.00	88.07	81.65	0.00
104_2	0.00	88.07	79.51	0.00
103_1	0.00	88.95	81.93	0.00
103_2	0.00	88.95	80.29	0.00
101_1	0.00	91.86	85.57	0.00
101_2	0.00	91.86	83.22	0.00
3000_1	0.00	92.09	86.09	0.00
3000_2	0.00	92.09	83.39	0.00
3001_1	0.00	92.09	86.09	0.00
3001_2	0.00	92.09	83.09	0.00
3002_1	0.00	92.09	86.09	0.00
3002_2	0.00	92.09	83.09	0.00
3003_1	0.00	92.09	86.09	0.00
3003_2	0.00	92.09	83.29	0.00
3004_1	0.00	92.09	86.09	0.00
3004_2	0.00	92.09	83.09	0.00
3005_1	0.00	92.09	86.09	0.00
3005_2	0.00	92.09	83.59	0.00
3006_1	0.00	92.09	86.09	0.00

Page 8
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
3006_2	0.00	92.09	83.29	0.00	
3007_1	0.00	92.09	86.09	0.00	
3007_2	0.00	92.09	83.69	0.00	
3008_1	0.00	92.09	86.09	0.00	
3008_2	0.00	92.09	83.69	0.00	
3009_1	0.00	92.09	86.09	0.00	
3009_2	0.00	92.09	84.09	0.00	
21	0.00	92.28	86.23	0.00	
R	-250.00	7.75	0.00	0.00	Reservoir

Link Results:

Link	Flow	VelocityUnit	Headloss	Status

ID	LPS	m/s	m/km	
1	50.61	1.23	5.89	Open
2	50.61	1.23	5.89	Open
3	50.61	1.23	5.89	Open
4	50.61	1.23	5.89	Open
5	50.61	1.23	6.09	Open
6	50.61	2.41	32.07	Open
7	25.61	1.22	8.62	Open
8	25.61	1.22	9.05	Open
9	25.61	1.22	9.37	Open
101	75.43	1.83	12.33	Open
102	75.43	1.83	13.38	Open
2000	123.96	2.37	27.72	Open
202	49.39	1.20	5.63	Open
201	-49.39	1.20	5.63	Open
205	49.39	2.35	30.65	Open
204	-49.39	1.20	5.82	Open
208	24.39	1.16	8.56	Open
207	-24.39	1.16	8.27	Open
103	50.43	1.22	6.05	Open
104	50.43	1.22	5.85	Open
105	50.43	2.40	31.92	Open
106	50.43	2.40	31.92	Open
107	25.43	1.21	8.51	Open
108	25.43	1.21	9.17	Open
302	-49.57	1.20	5.86	Open
301	-74.57	1.81	13.09	Open
304	49.57	1.20	5.67	Open
305	49.57	2.36	30.90	Open
307	-24.57	1.17	7.98	Open
1000	250.00	3.54	120.73	Open
1000_1	250.00	3.54	156.57	Open
40	186.84	2.64	541.67	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
30	124.43	1.76	72.03	Open
10	62.19	0.88	18.42	Open
3000	0.00	0.00	0.00	Open
3001	0.00	0.00	0.00	Open
3002	0.00	0.00	0.00	Open
3003	0.00	0.00	0.00	Open
3004	0.00	0.00	0.00	Open
3005	0.00	0.00	0.00	Open
3006	0.00	0.00	0.00	Open
3007	0.00	0.00	0.00	Open
209	0.61	0.03	0.01	Open
206	-24.39	1.16	7.87	Open
203	-49.39	1.20	5.63	Open
2000_201	-49.39	1.20	5.63	Open
2000_301	74.57	1.81	12.07	Open
306	49.57	2.36	30.90	Open
110_310	0.43	0.02	0.00	Open
3008	0.00	0.00	0.00	Open
3009	0.00	0.00	0.00	Open
11	63.16	2.01	56.85	Open
12	62.41	1.99	55.57	Open
13	62.24	1.98	55.27	Open
14	62.19	1.98	55.19	Open
15	62.19	3.52	943.29	Open
16	62.24	3.52	944.65	Open
17	62.41	3.53	949.96	Open
18	63.16	3.57	972.60	Open
19	-250.00	3.54	967.26	Open
308	24.57	1.17	8.60	Open
20	74.57	1.43	6.81	Open
P4	63.16	0.00	-89.71	Open Pump
P3	62.41	0.00	-90.04	Open Pump
P2	62.24	0.00	-90.13	Open Pump
P1	62.19	0.00	-90.16	Open Pump
209_1	25.00	1.19	0.02	Active Valve
209_2	25.00	1.19	0.07	Active Valve
9_1	25.00	1.19	0.02	Active Valve

9_2	25.00	1.19	0.07	Active Valve
108_1	25.00	1.19	0.02	Active Valve
108_2	25.00	1.19	0.07	Active Valve
308_1	25.00	1.19	0.02	Active Valve
308_2	25.00	1.19	0.07	Active Valve
106_1	25.00	1.19	0.02	Active Valve
106_2	25.00	1.19	0.07	Active Valve
306_1	25.00	1.19	0.02	Active Valve
306_2	25.00	1.19	0.07	Active Valve
102_1	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
102_2	25.00	1.19	0.07	Active Valve
302_1	25.00	1.19	0.02	Active Valve
302_2	25.00	1.19	0.07	Active Valve
6_1	25.00	1.19	0.02	Active Valve
6_2	25.00	1.19	0.07	Active Valve
206_1	25.00	1.19	0.02	Active Valve
206_2	25.00	1.19	0.07	Active Valve
1_1	0.00	0.00	0.00	Active Valve
1_2	0.00	0.00	0.00	Active Valve
2_1	0.00	0.00	0.00	Active Valve
2_2	0.00	0.00	0.00	Active Valve
3_1	0.00	0.00	0.00	Active Valve
3_2	0.00	0.00	0.00	Active Valve
4_1	0.00	0.00	0.00	Active Valve
4_2	0.00	0.00	0.00	Active Valve
5_1	0.00	0.00	0.00	Active Valve
5_2	0.00	0.00	0.00	Active Valve
7_1	0.00	0.00	0.00	Active Valve
7_2	0.00	0.00	0.00	Active Valve
8_1	0.00	0.00	0.00	Active Valve
8_2	0.00	0.00	0.00	Active Valve
208_1	0.00	0.00	0.00	Active Valve
208_2	0.00	0.00	0.00	Active Valve
207_1	0.00	0.00	0.00	Active Valve
207_2	0.00	0.00	0.00	Active Valve
205_1	0.00	0.00	0.00	Active Valve
205_2	0.00	0.00	0.00	Active Valve
204_1	0.00	0.00	0.00	Active Valve
204_2	0.00	0.00	0.00	Active Valve
203_1	0.00	0.00	0.00	Active Valve
203_2	0.00	0.00	0.00	Active Valve
202_1	0.00	0.00	0.00	Active Valve
202_2	0.00	0.00	0.00	Active Valve
201_1	0.00	0.00	0.00	Active Valve
201_2	0.00	0.00	0.00	Active Valve
301_1	0.00	0.00	0.00	Active Valve
301_2	0.00	0.00	0.00	Active Valve
303_1	0.00	0.00	0.00	Active Valve
303_2	0.00	0.00	0.00	Active Valve
304_1	0.00	0.00	0.00	Active Valve
304_2	0.00	0.00	0.00	Active Valve
305_1	0.00	0.00	0.00	Active Valve
305_2	0.00	0.00	0.00	Active Valve
307_1	0.00	0.00	0.00	Active Valve
307_2	0.00	0.00	0.00	Active Valve
107_1	0.00	0.00	0.00	Active Valve
107_2	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
105_1	0.00	0.00	0.00	Active Valve
105_2	0.00	0.00	0.00	Active Valve
104_1	0.00	0.00	0.00	Active Valve
104_2	0.00	0.00	0.00	Active Valve
103_1	0.00	0.00	0.00	Active Valve
103_2	0.00	0.00	0.00	Active Valve

101_1	0.00	0.00	0.00	Active Valve
101_2	0.00	0.00	0.00	Active Valve
3000_1	0.00	0.00	0.00	Active Valve
3000_2	0.00	0.00	0.00	Active Valve
3001_1	0.00	0.00	0.00	Active Valve
3001_2	0.00	0.00	0.00	Active Valve
3002_1	0.00	0.00	0.00	Active Valve
3002_2	0.00	0.00	0.00	Active Valve
3003_1	0.00	0.00	0.00	Active Valve
3003_2	0.00	0.00	0.00	Active Valve
3004_1	0.00	0.00	0.00	Active Valve
3004_2	0.00	0.00	0.00	Active Valve
3005_1	0.00	0.00	0.00	Active Valve
3005_2	0.00	0.00	0.00	Active Valve
3006_1	0.00	0.00	0.00	Active Valve
3006_2	0.00	0.00	0.00	Active Valve
3007_1	0.00	0.00	0.00	Active Valve
3007_2	0.00	0.00	0.00	Active Valve
3008_1	0.00	0.00	0.00	Active Valve
3008_2	0.00	0.00	0.00	Active Valve
3009_1	0.00	0.00	0.00	Active Valve
3009_2	0.00	0.00	0.00	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

6. Comizio irriguo n.6

1. Ipotesi n.1: alimentazione delle quattro utenze terminali dei rami della rete;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
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Input File: Linea_6_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm	
1	201	202	110.2	229.2	
2	201	203	233	229.2	
3	202	10	96.2	163.6	
4	10	103	6.4	163.6	
5	103	401	21.9	163.6	
6	401	9	71.8	163.6	
7	9	8	100	163.6	
8	8	7	100	163.6	
9	7	102	11.5	163.6	
10	102	6	88.5	163.6	
11	6	302	98	163.6	
12	302	5	2	163.6	
13	5	4	100	163.6	
14	4	101	10.9	163.6	
15	101	301	17.4	163.6	
16	301	3	71.8	163.6	
17	3	2	100	163.6	
18	2	1	100	163.6	
19	202	11	25.9	163.6	
20	11	12	88.9	163.6	
21	12	13	88.9	163.6	
22	13	104	50.5	163.6	
23	104	14	43.9	163.6	
24	203	24	95	163.6	
25	24	23	100	163.6	
26	23	22	100	163.6	
27	22	106	50.5	163.6	
28	106	21	49.5	163.6	
29	21	20	100	163.6	
30	20	303	72.6	163.6	
31	303	19	27.4	163.6	
32	19	18	100	163.6	
33	18	17	100	163.6	
34	17	105	75	163.6	
35	105	16	25	163.6	
36	16	15	100	163.6	
37	203	25	29	163.6	

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
38	25	26	100	163.6	
39	26	27	100	163.6	
40	27	107	3.8	163.6	
41	107	28	96.2	163.6	
42	28	29	100	163.6	
101	400	501	5	200	
43	502	503	1.55	200	
44	503	504	1	250	
45	504	505	3.1	250	
46	505	201	6.5	250	
201	501	502	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	14	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	15	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve

607	29	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.29	104.56	104.56	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	76.29	69.50	0.00
2	0.00	77.20	70.81	0.00
3	0.00	78.02	72.03	0.00
4	0.00	78.85	72.13	0.00
5	0.00	79.67	73.95	0.00
6	0.00	80.49	74.40	0.00
7	0.00	81.32	74.92	0.00
8	0.00	82.14	76.15	0.00
9	0.00	82.97	77.38	0.00
10	0.00	83.79	78.49	0.00
11	0.00	84.37	78.70	0.00
12	0.00	83.64	77.62	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
13	0.00	82.91	76.53	0.00
14	0.00	82.04	75.75	0.00
15	0.00	75.59	69.09	0.00
16	0.00	76.50	69.60	0.00
17	0.00	77.33	70.63	0.00
18	0.00	78.15	71.85	0.00
19	0.00	78.97	73.07	0.00
20	0.00	79.80	73.72	0.00
21	0.00	80.62	74.14	0.00
22	0.00	81.45	74.97	0.00
23	0.00	82.27	76.19	0.00
24	0.00	83.09	77.41	0.00
25	0.00	83.64	78.02	0.00
26	0.00	82.81	76.79	0.00
27	0.00	81.99	75.57	0.00
28	0.00	81.17	75.12	0.00
29	0.00	80.26	74.61	0.00
101	0.00	78.76	71.93	0.00
102	0.00	81.22	74.77	0.00
103	0.00	83.74	77.18	0.00
104	0.00	82.49	76.02	0.00
105	0.00	76.71	69.71	0.00
106	0.00	81.03	74.35	0.00
107	0.00	81.96	75.53	0.00
201	0.00	85.31	80.31	0.00
202	0.00	84.58	79.13	0.00
203	0.00	83.88	78.58	0.00
301	0.00	78.61	72.91	0.00
302	0.00	79.69	73.99	0.00
401	0.00	83.56	78.26	0.00
303	0.00	79.20	73.41	0.00
501	0.00	7.36	-1.24	0.00
502	0.00	87.36	78.76	0.00
503	0.00	86.11	75.96	0.00
504	0.00	85.87	78.97	0.00
505	0.00	85.69	78.79	0.00
601	0.00	76.26	69.47	0.00
602	25.00	76.19	67.79	0.00
603	0.00	82.02	75.73	0.00
604	25.00	81.94	73.99	0.00
605	0.00	75.57	69.07	0.00

606	25.00	75.49	66.97	0.00
607	0.00	80.23	74.58	0.00
608	25.00	80.16	72.12	0.00
400	-100.00	8.20	0.00	0.00 Reservoir

Page 4
Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	50.00	1.21	6.57	Open
2	50.00	1.21	6.14	Open
3	25.00	1.19	8.24	Open
4	25.00	1.19	8.24	Open
5	25.00	1.19	8.24	Open
6	25.00	1.19	8.24	Open
7	25.00	1.19	8.24	Open
8	25.00	1.19	8.24	Open
9	25.00	1.19	8.24	Open
10	25.00	1.19	8.24	Open
11	25.00	1.19	8.24	Open
12	25.00	1.19	8.25	Open
13	25.00	1.19	8.24	Open
14	25.00	1.19	8.24	Open
15	25.00	1.19	8.24	Open
16	25.00	1.19	8.24	Open
17	25.00	1.19	8.24	Open
18	25.00	1.19	9.11	Open
19	25.00	1.19	8.24	Open
20	25.00	1.19	8.24	Open
21	25.00	1.19	8.24	Open
22	25.00	1.19	8.24	Open
23	25.00	1.19	10.21	Open
24	25.00	1.19	8.24	Open
25	25.00	1.19	8.24	Open
26	25.00	1.19	8.24	Open
27	25.00	1.19	8.24	Open
28	25.00	1.19	8.24	Open
29	25.00	1.19	8.24	Open
30	25.00	1.19	8.24	Open
31	25.00	1.19	8.24	Open
32	25.00	1.19	8.24	Open
33	25.00	1.19	8.24	Open
34	25.00	1.19	8.24	Open
35	25.00	1.19	8.24	Open
36	25.00	1.19	9.11	Open
37	25.00	1.19	8.24	Open
38	25.00	1.19	8.24	Open
39	25.00	1.19	8.24	Open
40	25.00	1.19	8.24	Open
41	25.00	1.19	8.24	Open
42	25.00	1.19	9.11	Open
101	100.00	3.18	168.19	Open
43	100.00	3.18	807.83	Open
44	100.00	2.04	236.79	Open
45	100.00	2.04	59.49	Open
46	100.00	2.04	57.91	Open

Page 5
Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
201	100.00	0.00	-80.00	Open Pump
601	25.00	1.19	0.02	Active Valve
602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	25.00	1.19	0.02	Active Valve
606	25.00	1.19	0.07	Active Valve
607	25.00	1.19	0.02	Active Valve
608	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

6. *Comizio irriguo n.6*
    2. Ipotesi n.2: alimentazione di n.3 utenze dei rami est e ovest a nord della stazione di sollevamento;

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*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
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Input File: Linea_6_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm	
1	201	202	110.2	229.2	
2	201	203	233	229.2	
3	202	10	96.2	163.6	
4	10	103	6.4	163.6	
5	103	401	21.9	163.6	
6	401	9	71.8	163.6	
7	9	8	100	163.6	
8	8	7	100	163.6	
9	7	102	11.5	163.6	
10	102	6	88.5	163.6	
11	6	302	98	163.6	
12	302	5	2	163.6	
13	5	4	100	163.6	
14	4	101	10.9	163.6	
15	101	301	17.4	163.6	
16	301	3	71.8	163.6	
17	3	2	100	163.6	
18	2	1	100	163.6	
19	202	11	25.9	163.6	
20	11	12	88.9	163.6	
21	12	13	88.9	163.6	
22	13	104	50.5	163.6	
23	104	14	43.9	163.6	
24	203	24	95	163.6	
25	24	23	100	163.6	
26	23	22	100	163.6	
27	22	106	50.5	163.6	
28	106	21	49.5	163.6	
29	21	20	100	163.6	
30	20	303	72.6	163.6	
31	303	19	27.4	163.6	
32	19	18	100	163.6	
33	18	17	100	163.6	
34	17	105	75	163.6	
35	105	16	25	163.6	
36	16	15	100	163.6	
37	203	25	29	163.6	

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
38	25	26	100	163.6	
39	26	27	100	163.6	
40	27	107	3.8	163.6	
41	107	28	96.2	163.6	
42	28	29	100	163.6	
101	400	501	5	200	
43	502	503	1.55	200	
44	503	504	1	250	
45	504	505	3.1	250	
46	505	201	6.5	250	
201	501	502	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	14	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	15	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve

607	29	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	10	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.34	92.32	92.32	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	88.82	82.03	0.00
2	0.00	89.73	83.34	0.00
3	0.00	90.55	84.56	0.00
4	0.00	91.38	84.66	0.00
5	0.00	92.20	86.48	0.00
6	0.00	93.03	86.94	0.00
7	0.00	93.85	87.45	0.00
8	0.00	94.68	88.69	0.00
9	0.00	95.50	89.91	0.00
10	0.00	96.33	91.03	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
11	0.00	98.98	93.31	0.00
12	0.00	98.24	92.22	0.00
13	0.00	97.51	91.13	0.00
14	0.00	96.65	90.36	0.00
15	0.00	100.74	94.24	0.00
16	0.00	100.74	93.84	0.00
17	0.00	100.74	94.04	0.00
18	0.00	100.74	94.44	0.00
19	0.00	100.74	94.84	0.00
20	0.00	100.74	94.66	0.00
21	0.00	100.74	94.26	0.00
22	0.00	100.74	94.26	0.00
23	0.00	100.74	94.66	0.00
24	0.00	100.74	95.06	0.00
25	0.00	100.74	95.12	0.00
26	0.00	100.74	94.72	0.00
27	0.00	100.74	94.32	0.00
28	0.00	100.74	94.69	0.00
29	0.00	100.74	95.09	0.00
101	0.00	91.29	84.46	0.00
102	0.00	93.76	87.31	0.00
103	0.00	96.27	89.71	0.00
104	0.00	97.09	90.62	0.00
105	0.00	100.74	93.74	0.00
106	0.00	100.74	94.06	0.00
107	0.00	100.74	94.31	0.00
201	0.00	100.74	95.74	0.00
202	0.00	99.19	93.74	0.00
203	0.00	100.74	95.44	0.00
301	0.00	91.15	85.45	0.00
302	0.00	92.22	86.52	0.00
401	0.00	96.09	90.79	0.00
303	0.00	100.74	94.95	0.00
501	0.00	7.72	-0.88	0.00
502	0.00	101.90	93.30	0.00
503	0.00	101.19	91.04	0.00
504	0.00	101.06	94.16	0.00
505	0.00	100.95	94.05	0.00
601	0.00	88.80	82.01	0.00
602	25.00	88.72	80.32	0.00
603	0.00	96.62	90.33	0.00

604	25.00	96.55	88.60	0.00
605	0.00	100.74	94.24	0.00
606	0.00	100.74	92.22	0.00
607	0.00	100.74	95.09	0.00
608	0.00	100.74	92.70	0.00
609	0.00	96.30	91.00	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
610	25.00	96.23	88.21	0.00	
400	-75.00	8.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status	
1	75.00	1.82	14.03	Open	
2	0.00	0.00	0.00	Open	
3	50.00	2.38	29.75	Open	
4	25.00	1.19	8.24	Open	
5	25.00	1.19	8.24	Open	
6	25.00	1.19	8.24	Open	
7	25.00	1.19	8.24	Open	
8	25.00	1.19	8.24	Open	
9	25.00	1.19	8.24	Open	
10	25.00	1.19	8.24	Open	
11	25.00	1.19	8.24	Open	
12	25.00	1.19	8.25	Open	
13	25.00	1.19	8.24	Open	
14	25.00	1.19	8.24	Open	
15	25.00	1.19	8.24	Open	
16	25.00	1.19	8.24	Open	
17	25.00	1.19	8.24	Open	
18	25.00	1.19	9.11	Open	
19	25.00	1.19	8.24	Open	
20	25.00	1.19	8.24	Open	
21	25.00	1.19	8.24	Open	
22	25.00	1.19	8.24	Open	
23	25.00	1.19	10.21	Open	
24	0.00	0.00	0.00	Open	
25	0.00	0.00	0.00	Open	
26	0.00	0.00	0.00	Open	
27	0.00	0.00	0.00	Open	
28	0.00	0.00	0.00	Open	
29	0.00	0.00	0.00	Open	
30	0.00	0.00	0.00	Open	
31	0.00	0.00	0.00	Open	
32	0.00	0.00	0.00	Open	
33	0.00	0.00	0.00	Open	
34	0.00	0.00	0.00	Open	
35	0.00	0.00	0.00	Open	
36	0.00	0.00	0.00	Open	
37	0.00	0.00	0.00	Open	
38	0.00	0.00	0.00	Open	
39	0.00	0.00	0.00	Open	

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status	
40	0.00	0.00	0.00	Open	
41	0.00	0.00	0.00	Open	
42	0.00	0.00	0.00	Open	
101	75.00	2.39	96.45	Open	
43	75.00	2.39	456.24	Open	
44	75.00	1.53	133.82	Open	
45	75.00	1.53	34.08	Open	
46	75.00	1.53	33.20	Open	
201	75.00	0.00	-94.18	Open	Pump
601	25.00	1.19	0.02	Active	Valve

602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	0.00	0.00	0.00	Active Valve
606	0.00	0.00	0.00	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

6. *Comizio irriguo n.6*
    3. Ipotesi n.3: alimentazione di n.3 utenze dei rami est e ovest a sud della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
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Input File: Linea_6_Qmax_H-W_Pompe_ETN_125-100-315 [300mc-h] - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm	
1	201	202	110.2	229.2	
2	201	203	233	229.2	
3	202	10	96.2	163.6	
4	10	103	6.4	163.6	
5	103	401	21.9	163.6	
6	401	9	71.8	163.6	
7	9	8	100	163.6	
8	8	7	100	163.6	
9	7	102	11.5	163.6	
10	102	6	88.5	163.6	
11	6	302	98	163.6	
12	302	5	2	163.6	
13	5	4	100	163.6	
14	4	101	10.9	163.6	
15	101	301	17.4	163.6	
16	301	3	71.8	163.6	
17	3	2	100	163.6	
18	2	1	100	163.6	
19	202	11	25.9	163.6	
20	11	12	88.9	163.6	
21	12	13	88.9	163.6	
22	13	104	50.5	163.6	
23	104	14	43.9	163.6	
24	203	24	95	163.6	
25	24	23	100	163.6	
26	23	22	100	163.6	
27	22	106	50.5	163.6	
28	106	21	49.5	163.6	
29	21	20	100	163.6	
30	20	303	72.6	163.6	
31	303	19	27.4	163.6	
32	19	18	100	163.6	
33	18	17	100	163.6	
34	17	105	75	163.6	
35	105	16	25	163.6	
36	16	15	100	163.6	
37	203	25	29	163.6	

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
38	25	26	100	163.6	
39	26	27	100	163.6	
40	27	107	3.8	163.6	
41	107	28	96.2	163.6	
42	28	29	100	163.6	
101	400	501	5	200	
43	502	503	1.55	200	
44	503	504	1	250	
45	504	505	3.1	250	
46	505	201	6.5	250	
201	501	502	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	14	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	15	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve

607	29	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	10	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve
611	24	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.34	92.32	92.32	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	100.74	93.95	0.00
2	0.00	100.74	94.35	0.00
3	0.00	100.74	94.75	0.00
4	0.00	100.74	94.02	0.00
5	0.00	100.74	95.02	0.00
6	0.00	100.74	94.65	0.00
7	0.00	100.74	94.34	0.00
8	0.00	100.74	94.75	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
9	0.00	100.74	95.15	0.00
10	0.00	100.74	95.44	0.00
11	0.00	100.74	95.07	0.00
12	0.00	100.74	94.72	0.00
13	0.00	100.74	94.36	0.00
14	0.00	100.74	94.45	0.00
15	0.00	87.36	80.86	0.00
16	0.00	88.27	81.37	0.00
17	0.00	89.09	82.39	0.00
18	0.00	89.92	83.62	0.00
19	0.00	90.74	84.84	0.00
20	0.00	91.57	85.49	0.00
21	0.00	92.39	85.91	0.00
22	0.00	93.22	86.74	0.00
23	0.00	94.04	87.96	0.00
24	0.00	94.86	89.18	0.00
25	0.00	97.45	91.83	0.00
26	0.00	96.63	90.61	0.00
27	0.00	95.80	89.38	0.00
28	0.00	94.98	88.93	0.00
29	0.00	94.07	88.42	0.00
101	0.00	100.74	93.91	0.00
102	0.00	100.74	94.29	0.00
103	0.00	100.74	94.18	0.00
104	0.00	100.74	94.27	0.00
105	0.00	88.48	81.48	0.00
106	0.00	92.80	86.12	0.00
107	0.00	95.77	89.34	0.00
201	0.00	100.74	95.74	0.00
202	0.00	100.74	95.29	0.00
203	0.00	97.69	92.39	0.00
301	0.00	100.74	95.04	0.00
302	0.00	100.74	95.04	0.00
401	0.00	100.74	95.44	0.00
303	0.00	90.97	85.18	0.00
501	0.00	7.72	-0.88	0.00
502	0.00	101.90	93.30	0.00
503	0.00	101.19	91.04	0.00
504	0.00	101.06	94.16	0.00
505	0.00	100.95	94.05	0.00
601	0.00	100.74	93.95	0.00

602	0.00	100.74	92.34	0.00
603	0.00	100.74	94.45	0.00
604	0.00	100.74	92.79	0.00
605	0.00	87.33	80.83	0.00
606	25.00	87.26	78.74	0.00
607	0.00	94.04	88.39	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
608	25.00	93.97	85.93	0.00	
609	0.00	100.74	95.44	0.00	
610	0.00	100.74	92.72	0.00	
611	0.00	94.84	89.16	0.00	
612	25.00	94.77	86.78	0.00	
400	-75.00	8.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	0.00	0.00	0.00	Open
2	75.00	1.82	13.07	Open
3	0.00	0.00	0.00	Open
4	0.00	0.00	0.00	Open
5	0.00	0.00	0.00	Open
6	0.00	0.00	0.00	Open
7	0.00	0.00	0.00	Open
8	0.00	0.00	0.00	Open
9	0.00	0.00	0.00	Open
10	0.00	0.00	0.00	Open
11	0.00	0.00	0.00	Open
12	0.00	0.00	0.00	Open
13	0.00	0.00	0.00	Open
14	0.00	0.00	0.00	Open
15	0.00	0.00	0.00	Open
16	0.00	0.00	0.00	Open
17	0.00	0.00	0.00	Open
18	0.00	0.00	0.00	Open
19	0.00	0.00	0.00	Open
20	0.00	0.00	0.00	Open
21	0.00	0.00	0.00	Open
22	0.00	0.00	0.00	Open
23	0.00	0.00	0.00	Open
24	50.00	2.38	29.75	Open
25	25.00	1.19	8.24	Open
26	25.00	1.19	8.24	Open
27	25.00	1.19	8.24	Open
28	25.00	1.19	8.24	Open
29	25.00	1.19	8.24	Open
30	25.00	1.19	8.24	Open
31	25.00	1.19	8.24	Open
32	25.00	1.19	8.24	Open
33	25.00	1.19	8.24	Open
34	25.00	1.19	8.24	Open
35	25.00	1.19	8.24	Open

Page 5
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
36	25.00	1.19	9.11	Open
37	25.00	1.19	8.24	Open
38	25.00	1.19	8.24	Open
39	25.00	1.19	8.24	Open
40	25.00	1.19	8.24	Open
41	25.00	1.19	8.24	Open
42	25.00	1.19	9.11	Open
101	75.00	2.39	96.45	Open
43	75.00	2.39	456.24	Open
44	75.00	1.53	133.82	Open

45	75.00	1.53	34.08	Open	
46	75.00	1.53	33.20	Open	
201	75.00	0.00	-94.18	Open	Pump
601	0.00	0.00	0.00	Active	Valve
602	0.00	0.00	0.00	Active	Valve
603	0.00	0.00	0.00	Active	Valve
604	0.00	0.00	0.00	Active	Valve
605	25.00	1.19	0.02	Active	Valve
606	25.00	1.19	0.07	Active	Valve
607	25.00	1.19	0.02	Active	Valve
608	25.00	1.19	0.07	Active	Valve
609	0.00	0.00	0.00	Active	Valve
610	0.00	0.00	0.00	Active	Valve
611	25.00	1.19	0.02	Active	Valve
612	25.00	1.19	0.07	Active	Valve

All.3 Report di calcolo dimensionamento in moto permanente

7. Comizio irriguo n.7

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_7_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.3	257.8
2	201	10	90	229.2
3	10	11	105	229.2
4	11	12	135	229.2
5	12	13	75	229.2
6	13	14	105	229.2
7	14	15	105	229.2
8	15	302	65.2	229.2
9	302	16	39.8	229.2
10	16	17	105	229.2
11	17	102	48	163.6
12	201	9	89.2	229.2
13	9	8	100	229.2
14	8	7	200	229.2
15	7	101	2.7	229.2
16	101	6	97.3	229.2
17	6	5	100	163.6
18	202	32	89.9	229.2
19	32	33	105	229.2
20	33	105	77.9	229.2
21	105	34	27.1	229.2
22	34	35	105	229.2
23	35	36	105	229.2
24	36	106	193.4	229.2
25	106	37	16.5	229.2
26	37	38	105	229.2
27	38	39	105	163.6
28	39	305	47.7	163.6
29	305	40	57.5	163.6
30	202	31	89.3	229.2
31	31	30	100	229.2
32	30	29	100.1	229.2
33	29	104	12.3	229.2
34	104	28	87.7	229.2
35	28	27	100	229.2
36	27	304	16	163.6
37	304	26	94	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	102	18	162.1	163.6
39	18	19	105	163.6
40	19	303	13.8	163.6
41	303	20	91.2	163.6
42	20	21	105.7	163.6
43	21	42	26.6	163.6
44	5	301	21.9	163.6
45	301	4	78.1	163.6
46	4	3	100	163.6
47	3	2	94.8	163.6
48	2	1	110	163.6
49	1	22	24.8	163.6
50	40	41	105	229.2
51	41	107	58	163.6
52	107	42	152.7	163.6
53	42	306	60.1	163.6
54	306	43	91.2	163.6

55	43	44	157.3	163.6	
56	26	25	90	163.6	
57	25	24	100	163.6	
58	24	103	6.1	163.6	
59	103	23	89	163.6	
60	23	22	109.9	163.6	
601	401	501	5	200	
602	401	502	5	200	
603	401	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	5	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	22	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	5	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	26	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	17	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
711	38	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	21	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	44	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	82.97	77.12	0.00
2	0.00	84.01	77.22	0.00
3	0.00	84.82	78.41	0.00
4	0.00	85.68	79.67	0.00
5	0.00	86.54	80.75	0.00
6	0.00	89.85	83.66	0.00
7	0.00	90.47	83.90	0.00
8	0.00	91.64	85.88	0.00
9	0.00	92.23	86.87	0.00
10	0.00	92.24	86.88	0.00
11	0.00	91.65	85.87	0.00
12	0.00	90.88	84.55	0.00
13	0.00	90.45	83.82	0.00
14	0.00	89.86	83.65	0.00
15	0.00	89.26	83.47	0.00
16	0.00	88.67	82.98	0.00
17	0.00	87.97	81.86	0.00

18	0.00	86.26	80.63	0.00
19	0.00	85.42	80.19	0.00
20	0.00	84.58	79.04	0.00
21	0.00	83.64	77.68	0.00
22	0.00	82.97	76.97	0.00
23	0.00	83.92	77.48	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
24	0.00	84.67	77.90	0.00
25	0.00	85.46	79.09	0.00
26	0.00	86.17	80.16	0.00
27	0.00	89.63	83.93	0.00
28	0.00	90.22	84.12	0.00
29	0.00	90.78	84.38	0.00
30	0.00	91.35	85.37	0.00
31	0.00	91.91	86.34	0.00
32	0.00	91.89	86.33	0.00
33	0.00	91.28	85.29	0.00
34	0.00	90.66	84.47	0.00
35	0.00	90.05	84.28	0.00
36	0.00	89.44	84.09	0.00
37	0.00	88.21	81.97	0.00
38	0.00	87.50	81.67	0.00
39	0.00	86.61	81.20	0.00
40	0.00	85.69	80.24	0.00
41	0.00	85.52	79.65	0.00
42	0.00	83.64	78.15	0.00
43	0.00	82.40	76.86	0.00
44	0.00	81.04	75.03	0.00
101	0.00	90.45	83.87	0.00
102	0.00	87.56	81.26	0.00
103	0.00	84.62	77.82	0.00
104	0.00	90.71	84.26	0.00
105	0.00	90.82	84.52	0.00
106	0.00	88.31	82.00	0.00
107	0.00	85.03	78.93	0.00
201	0.00	92.76	87.76	0.00
202	0.00	92.41	87.21	0.00
301	0.00	86.35	80.65	0.00
302	0.00	88.89	83.36	0.00
303	0.00	85.31	80.13	0.00
304	0.00	89.16	83.52	0.00
305	0.00	86.21	80.99	0.00
306	0.00	83.15	77.90	0.00
501	0.00	7.92	-1.13	0.00
502	0.00	7.92	-1.13	0.00
503	0.00	7.91	-1.14	0.00
504	0.00	96.16	87.11	0.00
505	0.00	96.13	87.08	0.00
506	0.00	96.03	86.98	0.00
507	0.00	94.27	83.19	0.00
508	0.00	94.24	83.16	0.00
509	0.00	94.13	83.05	0.00
510	0.00	93.70	86.40	0.00
511	0.00	93.35	86.05	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
701	0.00	82.95	77.10	0.00
702	25.00	82.87	74.62	0.00
703	0.00	82.95	76.95	0.00
704	25.00	82.87	74.57	0.00
705	0.00	86.52	80.73	0.00
706	25.00	86.44	78.26	0.00
707	0.00	86.14	80.13	0.00
708	25.00	86.07	77.87	0.00
709	0.00	87.95	81.84	0.00
710	25.00	87.88	80.05	0.00

711	0.00	87.48	81.65	0.00	
712	25.00	87.40	79.73	0.00	
713	0.00	83.62	77.66	0.00	
714	25.00	83.55	75.70	0.00	
715	0.00	81.02	75.01	0.00	
716	25.00	80.95	73.45	0.00	
401	-200.00	8.30	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	99.79	1.91	14.71	Open
2	49.63	1.20	5.68	Open
3	49.63	1.20	5.68	Open
4	49.63	1.20	5.68	Open
5	49.63	1.20	5.68	Open
6	49.63	1.20	5.68	Open
7	49.63	1.20	5.68	Open
8	49.63	1.20	5.68	Open
9	49.63	1.20	5.68	Open
10	49.63	1.20	6.59	Open
11	24.63	1.17	8.60	Open
12	50.58	1.23	5.88	Open
13	50.58	1.23	5.88	Open
14	50.58	1.23	5.88	Open
15	50.58	1.23	5.88	Open
16	50.58	1.23	6.20	Open
17	50.58	2.41	33.05	Open
18	50.37	1.22	5.84	Open
19	50.37	1.22	5.84	Open
20	50.37	1.22	5.84	Open
21	50.37	1.22	5.84	Open
22	50.37	1.22	5.84	Open
23	50.37	1.22	5.84	Open
24	50.37	1.22	5.84	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
25	50.37	1.22	5.84	Open
26	50.37	1.22	6.78	Open
27	25.37	1.21	8.47	Open
28	25.37	1.21	8.47	Open
29	25.37	1.21	8.98	Open
30	49.42	1.20	5.64	Open
31	49.42	1.20	5.64	Open
32	49.42	1.20	5.63	Open
33	49.42	1.20	5.64	Open
34	49.42	1.20	5.63	Open
35	49.42	1.20	5.93	Open
36	49.42	2.35	29.12	Open
37	49.42	2.35	31.81	Open
38	24.63	1.17	8.02	Open
39	24.63	1.17	8.02	Open
40	24.63	1.17	8.02	Open
41	24.63	1.17	8.02	Open
42	24.63	1.17	8.81	Open
43	-0.37	0.02	0.00	Open
44	25.58	1.22	8.60	Open
45	25.58	1.22	8.60	Open
46	25.58	1.22	8.60	Open
47	25.58	1.22	8.60	Open
48	25.58	1.22	9.42	Open
49	0.58	0.03	0.01	Open
50	25.37	0.61	1.64	Open
51	25.37	1.21	8.47	Open
52	25.37	1.21	9.05	Open
53	25.00	1.19	8.24	Open
54	25.00	1.19	8.24	Open
55	25.00	1.19	8.61	Open
56	24.42	1.16	7.89	Open
57	24.42	1.16	7.89	Open
58	24.42	1.16	7.89	Open

59	24.42	1.16	7.89	Open
60	24.42	1.16	8.64	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open
604	66.55	3.77	919.06	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.97	Open
608	133.16	1.88	78.01	Open
609	200.00	2.83	853.29	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	119.27	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve
705	25.00	1.19	0.02	Active Valve
706	25.00	1.19	0.07	Active Valve
707	25.00	1.19	0.02	Active Valve
708	25.00	1.19	0.07	Active Valve
709	25.00	1.19	0.02	Active Valve
710	25.00	1.19	0.07	Active Valve
711	25.00	1.19	0.02	Active Valve
712	25.00	1.19	0.07	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

7. *Comizio irriguo n.7*
    2. Ipotesi n.2: alimentazione di n.8 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
*********************************************************************
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Input File: Linea_7_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.3	257.8
2	201	10	90	229.2
3	10	11	105	229.2
4	11	12	135	229.2
5	12	13	75	229.2
6	13	14	105	229.2
7	14	15	105	229.2
8	15	302	65.2	229.2
9	302	16	39.8	229.2
10	16	17	105	229.2
11	17	102	48	163.6
12	201	9	89.2	229.2
13	9	8	100	229.2
14	8	7	200	229.2
15	7	101	2.7	229.2
16	101	6	97.3	229.2
17	6	5	100	163.6
18	202	32	89.9	229.2
19	32	33	105	229.2
20	33	105	77.9	229.2
21	105	34	27.1	229.2
22	34	35	105	229.2
23	35	36	105	229.2
24	36	106	193.4	229.2
25	106	37	16.5	229.2
26	37	38	105	229.2
27	38	39	105	163.6
28	39	305	47.7	163.6
29	305	40	57.5	163.6
30	202	31	89.3	229.2
31	31	30	100	229.2
32	30	29	100.1	229.2
33	29	104	12.3	229.2
34	104	28	87.7	229.2
35	28	27	100	229.2
36	27	304	16	163.6
37	304	26	94	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	102	18	162.1	163.6
39	18	19	105	163.6
40	19	303	13.8	163.6
41	303	20	91.2	163.6
42	20	21	105.7	163.6
43	21	42	26.6	163.6
44	5	301	21.9	163.6
45	301	4	78.1	163.6
46	4	3	100	163.6
47	3	2	94.8	163.6
48	2	1	110	163.6
49	1	22	24.8	163.6
50	40	41	105	229.2
51	41	107	58	163.6
52	107	42	152.7	163.6
53	42	306	60.1	163.6
54	306	43	91.2	163.6

55	43	44	157.3	163.6	
56	26	25	90	163.6	
57	25	24	100	163.6	
58	24	103	6.1	163.6	
59	103	23	89	163.6	
60	23	22	109.9	163.6	
601	401	501	5	200	
602	401	502	5	200	
603	401	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	5	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	22	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	5	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	26	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	17	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
711	38	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	21	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	44	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
717	10	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	32	719	#N/A	163.6	Valve
720	719	720	#N/A	163.6	Valve
721	14	721	#N/A	163.6	Valve
722	721	722	#N/A	163.6	Valve
723	36	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve
725	18	725	#N/A	163.6	Valve
726	725	726	#N/A	163.6	Valve
727	305	727	#N/A	163.6	Valve
728	727	728	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	92.60	86.75	0.00
2	0.00	92.63	85.84	0.00
3	0.00	92.65	86.24	0.00
4	0.00	92.68	86.67	0.00
5	0.00	92.70	86.91	0.00

6	0.00	92.73	86.54	0.00
7	0.00	92.74	86.17	0.00
8	0.00	92.75	86.99	0.00
9	0.00	92.75	87.39	0.00
10	0.00	90.93	85.57	0.00
11	0.00	89.69	83.91	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
12	0.00	88.10	81.77	0.00
13	0.00	87.21	80.58	0.00
14	0.00	85.98	79.77	0.00
15	0.00	85.40	79.61	0.00
16	0.00	84.83	79.14	0.00
17	0.00	84.16	78.05	0.00
18	0.00	78.11	72.48	0.00
19	0.00	77.33	72.10	0.00
20	0.00	76.55	71.01	0.00
21	0.00	75.68	69.72	0.00
22	0.00	92.59	86.59	0.00
23	0.00	92.56	86.12	0.00
24	0.00	92.53	85.76	0.00
25	0.00	92.51	86.14	0.00
26	0.00	92.48	86.47	0.00
27	0.00	92.45	86.75	0.00
28	0.00	92.45	86.35	0.00
29	0.00	92.44	86.04	0.00
30	0.00	92.44	86.46	0.00
31	0.00	92.43	86.86	0.00
32	0.00	90.51	84.95	0.00
33	0.00	89.19	83.20	0.00
34	0.00	87.86	81.67	0.00
35	0.00	86.54	80.77	0.00
36	0.00	85.21	79.86	0.00
37	0.00	83.95	77.71	0.00
38	0.00	83.21	77.38	0.00
39	0.00	79.92	74.51	0.00
40	0.00	77.88	72.43	0.00
41	0.00	77.69	71.82	0.00
42	0.00	75.68	70.19	0.00
43	0.00	74.44	68.90	0.00
44	0.00	73.08	67.07	0.00
101	0.00	92.74	86.16	0.00
102	0.00	82.69	76.39	0.00
103	0.00	92.53	85.73	0.00
104	0.00	92.44	85.99	0.00
105	0.00	88.21	81.91	0.00
106	0.00	84.04	77.73	0.00
107	0.00	77.17	71.07	0.00
201	0.00	92.76	87.76	0.00
202	0.00	92.43	87.23	0.00
301	0.00	92.70	87.00	0.00
302	0.00	85.04	79.51	0.00
303	0.00	77.22	72.04	0.00
304	0.00	92.46	86.82	0.00
305	0.00	78.43	73.21	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
306	0.00	75.19	69.94	0.00
501	0.00	7.92	-1.13	0.00
502	0.00	7.92	-1.13	0.00
503	0.00	7.91	-1.14	0.00
504	0.00	96.16	87.11	0.00
505	0.00	96.13	87.08	0.00
506	0.00	96.03	86.98	0.00
507	0.00	94.27	83.19	0.00
508	0.00	94.24	83.16	0.00
509	0.00	94.13	83.05	0.00

510	0.00	93.70	86.40	0.00	
511	0.00	93.35	86.05	0.00	
701	0.00	92.60	86.75	0.00	
702	0.00	92.60	84.35	0.00	
703	0.00	92.59	86.59	0.00	
704	0.00	92.59	84.29	0.00	
705	0.00	92.70	86.91	0.00	
706	0.00	92.70	84.52	0.00	
707	0.00	92.48	86.47	0.00	
708	0.00	92.48	84.28	0.00	
709	0.00	84.16	78.05	0.00	
710	0.00	84.16	76.33	0.00	
711	0.00	83.21	77.38	0.00	
712	0.00	83.21	75.54	0.00	
713	0.00	75.66	69.70	0.00	
714	25.00	75.59	67.74	0.00	
715	0.00	73.06	67.05	0.00	
716	25.00	72.99	65.49	0.00	
717	0.00	90.91	85.55	0.00	
718	25.00	90.83	83.00	0.00	
719	0.00	90.49	84.93	0.00	
720	25.00	90.41	82.49	0.00	
721	0.00	85.95	79.74	0.00	
722	25.00	85.88	77.81	0.00	
723	0.00	85.19	79.84	0.00	
724	25.00	85.12	77.45	0.00	
725	0.00	78.08	72.45	0.00	
726	25.00	78.01	70.44	0.00	
727	0.00	78.41	73.19	0.00	
728	25.00	78.34	70.70	0.00	
401	-200.00	8.30	0.00	0.00	Reservoir

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Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	97.47	1.87	14.08	Open
2	98.65	2.39	20.27	Open
3	73.65	1.79	11.80	Open
4	73.65	1.79	11.80	Open
5	73.65	1.79	11.80	Open
6	73.65	1.79	11.80	Open
7	48.65	1.18	5.47	Open
8	48.65	1.18	5.47	Open
9	48.65	1.18	5.47	Open
10	48.65	1.18	6.35	Open
11	48.65	2.31	30.56	Open
12	3.88	0.09	0.05	Open
13	3.88	0.09	0.05	Open
14	3.88	0.09	0.05	Open
15	3.88	0.09	0.05	Open
16	3.88	0.09	0.05	Open
17	3.88	0.18	0.28	Open
18	101.35	2.46	21.31	Open
19	76.35	1.85	12.61	Open
20	76.35	1.85	12.61	Open
21	76.35	1.85	12.61	Open
22	76.35	1.85	12.61	Open
23	76.35	1.85	12.61	Open
24	51.35	1.24	6.05	Open
25	51.35	1.24	6.05	Open
26	51.35	1.24	7.03	Open
27	51.35	2.44	31.26	Open
28	51.35	2.44	31.26	Open
29	26.35	1.25	9.64	Open
30	-3.88	0.09	0.05	Open
31	-3.88	0.09	0.05	Open
32	-3.88	0.09	0.05	Open
33	-3.88	0.09	0.05	Open
34	-3.88	0.09	0.05	Open
35	-3.88	0.09	0.05	Open
36	-3.88	0.18	0.26	Open
37	-3.88	0.18	0.28	Open
38	48.65	2.31	28.28	Open
39	23.65	1.13	7.44	Open

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
40	23.65	1.13	7.44	Open
41	23.65	1.13	7.44	Open
42	23.65	1.13	8.17	Open
43	-1.35	0.06	0.04	Open
44	3.88	0.18	0.26	Open
45	3.88	0.18	0.26	Open
46	3.88	0.18	0.26	Open
47	3.88	0.18	0.26	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	3.88	0.18	0.28	Open
49	3.88	0.18	0.29	Open
50	26.35	0.64	1.76	Open
51	26.35	1.25	9.09	Open
52	26.35	1.25	9.71	Open
53	25.00	1.19	8.24	Open
54	25.00	1.19	8.24	Open
55	25.00	1.19	8.61	Open
56	-3.88	0.18	0.26	Open
57	-3.88	0.18	0.26	Open
58	-3.88	0.18	0.26	Open
59	-3.88	0.18	0.26	Open
60	-3.88	0.18	0.28	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open
604	66.55	3.77	919.07	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.96	Open
608	133.16	1.88	78.01	Open
609	200.00	2.83	853.29	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	119.27	Open
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	0.00	0.00	0.00	Active Valve
702	0.00	0.00	0.00	Active Valve
703	0.00	0.00	0.00	Active Valve
704	0.00	0.00	0.00	Active Valve
705	0.00	0.00	0.00	Active Valve
706	0.00	0.00	0.00	Active Valve
707	0.00	0.00	0.00	Active Valve
708	0.00	0.00	0.00	Active Valve
709	0.00	0.00	0.00	Active Valve
710	0.00	0.00	0.00	Active Valve
711	0.00	0.00	0.00	Active Valve
712	0.00	0.00	0.00	Active Valve
713	25.00	1.19	0.02	Active Valve
714	25.00	1.19	0.07	Active Valve
715	25.00	1.19	0.02	Active Valve
716	25.00	1.19	0.07	Active Valve
717	25.00	1.19	0.02	Active Valve
718	25.00	1.19	0.07	Active Valve
719	25.00	1.19	0.02	Active Valve
720	25.00	1.19	0.07	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
721	25.00	1.19	0.02	Active Valve
722	25.00	1.19	0.07	Active Valve
723	25.00	1.19	0.02	Active Valve
724	25.00	1.19	0.07	Active Valve
725	25.00	1.19	0.02	Active Valve
726	25.00	1.19	0.07	Active Valve
727	25.00	1.19	0.02	Active Valve
728	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

7. Comizio irriguo n.7

3. Ipotesi n.3: alimentazione di n.8 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_7_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.3	257.8
2	201	10	90	229.2
3	10	11	105	229.2
4	11	12	135	229.2
5	12	13	75	229.2
6	13	14	105	229.2
7	14	15	105	229.2
8	15	302	65.2	229.2
9	302	16	39.8	229.2
10	16	17	105	229.2
11	17	102	48	163.6
12	201	9	89.2	229.2
13	9	8	100	229.2
14	8	7	200	229.2
15	7	101	2.7	229.2
16	101	6	97.3	229.2
17	6	5	100	163.6
18	202	32	89.9	229.2
19	32	33	105	229.2
20	33	105	77.9	229.2
21	105	34	27.1	229.2
22	34	35	105	229.2
23	35	36	105	229.2
24	36	106	193.4	229.2
25	106	37	16.5	229.2
26	37	38	105	229.2
27	38	39	105	163.6
28	39	305	47.7	163.6
29	305	40	57.5	163.6
30	202	31	89.3	229.2
31	31	30	100	229.2
32	30	29	100.1	229.2
33	29	104	12.3	229.2
34	104	28	87.7	229.2
35	28	27	100	229.2
36	27	304	16	163.6
37	304	26	94	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	102	18	162.1	163.6
39	18	19	105	163.6
40	19	303	13.8	163.6
41	303	20	91.2	163.6
42	20	21	105.7	163.6
43	21	42	26.6	163.6
44	5	301	21.9	163.6
45	301	4	78.1	163.6
46	4	3	100	163.6
47	3	2	94.8	163.6
48	2	1	110	163.6
49	1	22	24.8	163.6
50	40	41	105	229.2
51	41	107	58	163.6
52	107	42	152.7	163.6
53	42	306	60.1	163.6
54	306	43	91.2	163.6

55	43	44	157.3	163.6	
56	26	25	90	163.6	
57	25	24	100	163.6	
58	24	103	6.1	163.6	
59	103	23	89	163.6	
60	23	22	109.9	163.6	
601	401	501	5	200	
602	401	502	5	200	
603	401	503	5	200	
604	504	507	2.05	150	
605	505	508	2.05	150	
606	506	509	2.05	150	
607	507	508	1.5	300	
608	508	509	1.5	300	
609	509	510	0.5	300	
610	510	511	3.8	300	
611	511	201	5	300	
501	501	504	#N/A	#N/A	Pump
502	502	505	#N/A	#N/A	Pump
503	503	506	#N/A	#N/A	Pump
701	1	701	#N/A	163.6	Valve
702	701	702	#N/A	163.6	Valve
703	22	703	#N/A	163.6	Valve
704	703	704	#N/A	163.6	Valve
705	5	705	#N/A	163.6	Valve
706	705	706	#N/A	163.6	Valve
707	26	707	#N/A	163.6	Valve
708	707	708	#N/A	163.6	Valve
709	17	709	#N/A	163.6	Valve
710	709	710	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
711	38	711	#N/A	163.6	Valve
712	711	712	#N/A	163.6	Valve
713	21	713	#N/A	163.6	Valve
714	713	714	#N/A	163.6	Valve
715	44	715	#N/A	163.6	Valve
716	715	716	#N/A	163.6	Valve
717	10	717	#N/A	163.6	Valve
718	717	718	#N/A	163.6	Valve
719	32	719	#N/A	163.6	Valve
720	719	720	#N/A	163.6	Valve
721	14	721	#N/A	163.6	Valve
722	721	722	#N/A	163.6	Valve
723	36	723	#N/A	163.6	Valve
724	723	724	#N/A	163.6	Valve
725	18	725	#N/A	163.6	Valve
726	725	726	#N/A	163.6	Valve
727	305	727	#N/A	163.6	Valve
728	727	728	#N/A	163.6	Valve
729	9	729	#N/A	163.6	Valve
730	729	730	#N/A	163.6	Valve
731	31	731	#N/A	163.6	Valve
732	731	732	#N/A	163.6	Valve
733	7	733	#N/A	163.6	Valve
734	733	734	#N/A	163.6	Valve
735	28	735	#N/A	163.6	Valve
736	735	736	#N/A	163.6	Valve
737	4	737	#N/A	163.6	Valve
738	737	738	#N/A	163.6	Valve
739	25	739	#N/A	163.6	Valve
740	739	740	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
501	100.00	75.00	0.32	76.75	76.75	0.00
502	100.00	75.00	0.32	76.80	76.80	0.00
503	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00

Total Cost: 0.00

Page 4
Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	77.66	71.81	0.00
2	0.00	78.68	71.89	0.00
3	0.00	79.48	73.07	0.00
4	0.00	80.32	74.31	0.00
5	0.00	83.32	77.53	0.00
6	0.00	86.59	80.40	0.00
7	0.00	87.21	80.64	0.00
8	0.00	89.66	83.90	0.00
9	0.00	90.89	85.53	0.00
10	0.00	92.75	87.39	0.00
11	0.00	92.75	86.97	0.00
12	0.00	92.74	86.41	0.00
13	0.00	92.74	86.11	0.00
14	0.00	92.73	86.52	0.00
15	0.00	92.73	86.94	0.00
16	0.00	92.72	87.03	0.00
17	0.00	92.72	86.61	0.00
18	0.00	92.67	87.04	0.00
19	0.00	92.64	87.41	0.00
20	0.00	92.62	87.08	0.00
21	0.00	92.59	86.63	0.00
22	0.00	77.66	71.66	0.00
23	0.00	78.63	72.19	0.00
24	0.00	79.40	72.63	0.00
25	0.00	80.21	73.84	0.00
26	0.00	82.86	76.85	0.00
27	0.00	86.35	80.65	0.00
28	0.00	86.95	80.85	0.00
29	0.00	88.17	81.77	0.00
30	0.00	89.38	83.40	0.00
31	0.00	90.59	85.02	0.00
32	0.00	92.44	86.88	0.00
33	0.00	92.45	86.46	0.00
34	0.00	92.45	86.26	0.00
35	0.00	92.46	86.69	0.00
36	0.00	92.46	87.11	0.00
37	0.00	92.47	86.23	0.00
38	0.00	92.47	86.64	0.00
39	0.00	92.50	87.09	0.00
40	0.00	92.53	87.08	0.00
41	0.00	92.53	86.66	0.00
42	0.00	92.58	87.09	0.00
43	0.00	92.58	87.04	0.00
44	0.00	92.58	86.57	0.00
101	0.00	87.19	80.61	0.00
102	0.00	92.70	86.40	0.00
103	0.00	79.35	72.55	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
104	0.00	88.02	81.57	0.00
105	0.00	92.45	86.15	0.00
106	0.00	92.47	86.16	0.00
107	0.00	92.54	86.44	0.00
201	0.00	92.76	87.76	0.00
202	0.00	92.44	87.24	0.00
301	0.00	82.67	76.97	0.00
302	0.00	92.72	87.19	0.00
303	0.00	92.64	87.46	0.00
304	0.00	85.88	80.24	0.00
305	0.00	92.51	87.29	0.00
306	0.00	92.58	87.33	0.00
501	0.00	7.92	-1.13	0.00
502	0.00	7.92	-1.13	0.00

503	0.00	7.91	-1.14	0.00
504	0.00	96.16	87.11	0.00
505	0.00	96.13	87.08	0.00
506	0.00	96.03	86.98	0.00
507	0.00	94.27	83.19	0.00
508	0.00	94.24	83.16	0.00
509	0.00	94.13	83.05	0.00
510	0.00	93.70	86.40	0.00
511	0.00	93.35	86.05	0.00
701	0.00	77.64	71.79	0.00
702	25.00	77.57	69.32	0.00
703	0.00	77.64	71.64	0.00
704	25.00	77.57	69.27	0.00
705	0.00	83.32	77.53	0.00
706	0.00	83.32	75.14	0.00
707	0.00	82.86	76.85	0.00
708	0.00	82.86	74.66	0.00
709	0.00	92.72	86.61	0.00
710	0.00	92.72	84.89	0.00
711	0.00	92.47	86.64	0.00
712	0.00	92.47	84.80	0.00
713	0.00	92.59	86.63	0.00
714	0.00	92.59	84.74	0.00
715	0.00	92.58	86.57	0.00
716	0.00	92.58	85.08	0.00
717	0.00	92.75	87.39	0.00
718	0.00	92.75	84.92	0.00
719	0.00	92.44	86.88	0.00
720	0.00	92.44	84.52	0.00
721	0.00	92.73	86.52	0.00
722	0.00	92.73	84.66	0.00
723	0.00	92.46	87.11	0.00
724	0.00	92.46	84.79	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
725	0.00	92.67	87.04	0.00	
726	0.00	92.67	85.10	0.00	
727	0.00	92.51	87.29	0.00	
728	0.00	92.51	84.87	0.00	
729	0.00	90.87	85.51	0.00	
730	25.00	90.79	82.92	0.00	
731	0.00	90.57	85.00	0.00	
732	25.00	90.49	82.62	0.00	
733	0.00	87.18	80.61	0.00	
734	25.00	87.11	79.07	0.00	
735	0.00	86.93	80.83	0.00	
736	25.00	86.86	78.89	0.00	
737	0.00	80.29	74.28	0.00	
738	25.00	80.22	72.01	0.00	
739	0.00	80.18	73.81	0.00	
740	25.00	80.11	71.87	0.00	
401	-200.00	8.30	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	96.03	1.84	13.69	Open
2	3.69	0.09	0.05	Open
3	3.69	0.09	0.05	Open
4	3.69	0.09	0.05	Open
5	3.69	0.09	0.05	Open
6	3.69	0.09	0.05	Open
7	3.69	0.09	0.05	Open
8	3.69	0.09	0.05	Open
9	3.69	0.09	0.05	Open
10	3.69	0.09	0.05	Open
11	3.69	0.18	0.25	Open
12	100.28	2.43	20.90	Open
13	75.28	1.82	12.29	Open
14	75.28	1.82	12.29	Open
15	50.28	1.22	5.82	Open

16	50.28	1.22	6.13	Open
17	50.28	2.39	32.69	Open
18	-3.69	0.09	0.05	Open
19	-3.69	0.09	0.05	Open
20	-3.69	0.09	0.05	Open
21	-3.69	0.09	0.05	Open
22	-3.69	0.09	0.05	Open
23	-3.69	0.09	0.05	Open
24	-3.69	0.09	0.05	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
25	-3.69	0.09	0.05	Open
26	-3.69	0.09	0.05	Open
27	-3.69	0.18	0.24	Open
28	-3.69	0.18	0.24	Open
29	-3.69	0.18	0.25	Open
30	99.72	2.42	20.68	Open
31	74.72	1.81	12.12	Open
32	74.72	1.81	12.12	Open
33	74.72	1.81	12.12	Open
34	74.72	1.81	12.12	Open
35	49.72	1.20	5.99	Open
36	49.72	2.37	29.44	Open
37	49.72	2.37	32.17	Open
38	3.69	0.18	0.24	Open
39	3.69	0.18	0.24	Open
40	3.69	0.18	0.24	Open
41	3.69	0.18	0.24	Open
42	3.69	0.18	0.26	Open
43	3.69	0.18	0.26	Open
44	50.28	2.39	30.07	Open
45	50.28	2.39	30.07	Open
46	25.28	1.20	8.42	Open
47	25.28	1.20	8.42	Open
48	25.28	1.20	9.22	Open
49	0.28	0.01	0.00	Open
50	-3.69	0.09	0.05	Open
51	-3.69	0.18	0.24	Open
52	-3.69	0.18	0.25	Open
53	0.00	0.00	0.00	Open
54	0.00	0.00	0.00	Open
55	0.00	0.00	0.00	Open
56	49.72	2.37	29.44	Open
57	24.72	1.18	8.07	Open
58	24.72	1.18	8.07	Open
59	24.72	1.18	8.07	Open
60	24.72	1.18	8.84	Open
601	66.55	2.12	76.56	Open
602	66.61	2.12	76.69	Open
603	66.84	2.13	77.21	Open
604	66.55	3.77	919.07	Open
605	66.61	3.77	920.70	Open
606	66.84	3.78	927.08	Open
607	66.55	0.94	19.96	Open
608	133.16	1.88	78.01	Open
609	200.00	2.83	853.29	Open
610	200.00	2.83	91.37	Open
611	200.00	2.83	119.27	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
501	66.55	0.00	-88.24	Open Pump
502	66.61	0.00	-88.21	Open Pump
503	66.84	0.00	-88.11	Open Pump
701	25.00	1.19	0.02	Active Valve
702	25.00	1.19	0.07	Active Valve
703	25.00	1.19	0.02	Active Valve
704	25.00	1.19	0.07	Active Valve

705	0.00	0.00	0.00	Active Valve
706	0.00	0.00	0.00	Active Valve
707	0.00	0.00	0.00	Active Valve
708	0.00	0.00	0.00	Active Valve
709	0.00	0.00	0.00	Active Valve
710	0.00	0.00	0.00	Active Valve
711	0.00	0.00	0.00	Active Valve
712	0.00	0.00	0.00	Active Valve
713	0.00	0.00	0.00	Active Valve
714	0.00	0.00	0.00	Active Valve
715	0.00	0.00	0.00	Active Valve
716	0.00	0.00	0.00	Active Valve
717	0.00	0.00	0.00	Active Valve
718	0.00	0.00	0.00	Active Valve
719	0.00	0.00	0.00	Active Valve
720	0.00	0.00	0.00	Active Valve
721	0.00	0.00	0.00	Active Valve
722	0.00	0.00	0.00	Active Valve
723	0.00	0.00	0.00	Active Valve
724	0.00	0.00	0.00	Active Valve
725	0.00	0.00	0.00	Active Valve
726	0.00	0.00	0.00	Active Valve
727	0.00	0.00	0.00	Active Valve
728	0.00	0.00	0.00	Active Valve
729	25.00	1.19	0.02	Active Valve
730	25.00	1.19	0.07	Active Valve
731	25.00	1.19	0.02	Active Valve
732	25.00	1.19	0.07	Active Valve
733	25.00	1.19	0.02	Active Valve
734	25.00	1.19	0.07	Active Valve
735	25.00	1.19	0.02	Active Valve
736	25.00	1.19	0.07	Active Valve
737	25.00	1.19	0.02	Active Valve
738	25.00	1.19	0.07	Active Valve
739	25.00	1.19	0.02	Active Valve
740	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

8. Comizio irriguo n.8

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                        Version 2.0                                 *
**********************************************************************
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Input File: Linea_8_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	50	257.8
2	1	2	100	257.8
3	2	3	100	257.8
4	3	4	100	229.2
5	4	5	100	229.2
6	5	6	100	229.2
7	6	7	100	229.2
8	7	8	100	229.2
9	8	9	100	229.2
101	1000	101	95	229.2
102	101	102	100	229.2
2000	1000	21	30	257.8
202	202	203	100	257.8
201	202	201	100	257.8
205	205	206	100	229.2
204	205	204	100	229.2
208	208	209	100	229.2
207	208	207	100	229.2
103	102	103	100	229.2
104	103	104	100	229.2
105	104	105	100	229.2
106	105	106	100	163.6
107	106	107	100	163.6
108	107	108	100	163.6
302	303	302	100	229.2
301	302	301	100	229.2
304	303	304	100	229.2
305	304	305	100	229.2
307	307	306	100	163.6
1000	1001	1000	5	300
1001	40	1001	3.3	300
40	30	40	0.5	300
30	20	30	1.5	300
10	10	20	1.5	300
206	207	206	100	229.2
203	204	203	100	229.2
200	201	21	58	257.8

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
306	305	306	100	163.6
12	666	12	5	200
13	666	13	5	200
14	666	14	5	200
15	18	10	2.05	150
16	17	20	2.05	150
17	16	30	2.05	150
308	307	308	100	163.6
11	21	301	95	229.2
18	108	15	100	163.6
19	15	19	100	163.6
20	308	22	100	163.6
23	22	23	100	163.6
24	19	23	30	163.3
36	38	45	30	229.2
37	9	33	100	229.2
38	33	34	100	229.2

39	34	35	100	229.2	
43	35	36	100	229.2	
44	36	37	100	229.2	
45	37	38	100	229.2	
46	209	39	100	229.2	
47	39	41	100	229.2	
48	41	42	100	229.2	
49	42	43	100	229.2	
50	43	44	100	229.2	
53	44	45	100	229.2	
84	38	72	100	163.6	
85	72	73	120	163.6	
86	73	74	120	163.6	
87	74	75	110	163.6	
603	12	16	#N/A	#N/A	Pump
602	13	17	#N/A	#N/A	Pump
601	14	18	#N/A	#N/A	Pump
2091	209	2091	#N/A	163.6	Valve
2092	2091	2092	#N/A	163.6	Valve
91	9	91	#N/A	163.6	Valve
92	91	92	#N/A	163.6	Valve
1081	108	1081	#N/A	163.6	Valve
1082	1081	1082	#N/A	163.6	Valve
3081	308	3081	#N/A	163.6	Valve
3082	3081	3082	#N/A	163.6	Valve
1061	106	1061	#N/A	163.6	Valve
1062	1061	1062	#N/A	163.6	Valve
3061	306	3061	#N/A	163.6	Valve
3062	3061	3062	#N/A	163.6	Valve
1021	102	1021	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1022	1021	1022	#N/A	163.6	Valve
3021	302	3021	#N/A	163.6	Valve
3022	3021	3022	#N/A	163.6	Valve
61	6	61	#N/A	163.6	Valve
62	61	62	#N/A	163.6	Valve
2061	206	2061	#N/A	163.6	Valve
2062	2061	2062	#N/A	163.6	Valve
111	1	11	#N/A	163.6	Valve
121	11	122	#N/A	163.6	Valve
21	2	211	#N/A	163.6	Valve
22	211	221	#N/A	163.6	Valve
31	3	311	#N/A	163.6	Valve
32	311	321	#N/A	163.6	Valve
41	4	411	#N/A	163.6	Valve
42	411	421	#N/A	163.6	Valve
51	5	511	#N/A	163.6	Valve
52	511	521	#N/A	163.6	Valve
71	7	711	#N/A	163.6	Valve
72	711	721	#N/A	163.6	Valve
81	8	811	#N/A	163.6	Valve
82	811	821	#N/A	163.6	Valve
2081	208	2081	#N/A	163.6	Valve
2082	2081	2082	#N/A	163.6	Valve
2071	207	2071	#N/A	163.6	Valve
2072	2071	2072	#N/A	163.6	Valve
2051	205	2051	#N/A	163.6	Valve
2052	2051	2052	#N/A	163.6	Valve
2041	204	2041	#N/A	163.6	Valve
2042	2041	2042	#N/A	163.6	Valve
2031	203	2031	#N/A	163.6	Valve
2032	2031	2032	#N/A	163.6	Valve
2021	202	2021	#N/A	163.6	Valve
2022	2021	2022	#N/A	163.6	Valve
2011	201	2011	#N/A	163.6	Valve
2012	2011	2012	#N/A	163.6	Valve
3011	301	3011	#N/A	163.6	Valve
3012	3011	3012	#N/A	163.6	Valve
3031	303	3031	#N/A	163.6	Valve
3032	3031	3032	#N/A	163.6	Valve
3041	304	3041	#N/A	163.6	Valve
3042	3041	3042	#N/A	163.6	Valve

3051	305	3051	#N/A	163.6	Valve
3052	3051	3052	#N/A	163.6	Valve
3071	307	3071	#N/A	163.6	Valve
3072	3071	3072	#N/A	163.6	Valve
1071	107	1071	#N/A	163.6	Valve
1072	1071	1072	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1051	105	1051	#N/A	163.6	Valve
1052	1051	1052	#N/A	163.6	Valve
1041	104	1041	#N/A	163.6	Valve
1042	1041	1042	#N/A	163.6	Valve
1031	103	1031	#N/A	163.6	Valve
1032	1031	1032	#N/A	163.6	Valve
1011	101	1011	#N/A	163.6	Valve
1012	1011	1012	#N/A	163.6	Valve
25	15	24	#N/A	163.6	Valve
26	24	25	#N/A	163.6	Valve
27	19	26	#N/A	163.6	Valve
28	26	27	#N/A	163.6	Valve
29	22	31	#N/A	163.6	Valve
33	31	32	#N/A	163.6	Valve
34	23	28	#N/A	163.6	Valve
35	28	29	#N/A	163.6	Valve
54	33	46	#N/A	163.6	Valve
55	34	47	#N/A	163.6	Valve
56	35	48	#N/A	163.6	Valve
57	36	49	#N/A	163.6	Valve
58	37	50	#N/A	163.6	Valve
59	38	51	#N/A	163.6	Valve
60	39	52	#N/A	163.6	Valve
63	41	53	#N/A	163.6	Valve
64	42	54	#N/A	163.6	Valve
65	43	55	#N/A	163.6	Valve
66	44	56	#N/A	163.6	Valve
67	45	57	#N/A	163.6	Valve
68	46	58	#N/A	163.6	Valve
69	47	59	#N/A	163.6	Valve
70	48	60	#N/A	163.6	Valve
73	49	63	#N/A	163.6	Valve
74	50	64	#N/A	163.6	Valve
75	51	65	#N/A	163.6	Valve
76	52	66	#N/A	163.6	Valve
77	53	67	#N/A	163.6	Valve
78	54	68	#N/A	163.6	Valve
79	55	69	#N/A	163.6	Valve
80	56	70	#N/A	163.6	Valve
83	57	71	#N/A	163.6	Valve
88	72	76	#N/A	163.6	Valve
89	73	77	#N/A	163.6	Valve
90	74	78	#N/A	163.6	Valve
93	75	79	#N/A	163.6	Valve
94	76	80	#N/A	163.6	Valve
95	77	81	#N/A	163.6	Valve
96	78	82	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
97	79	83	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
603	100.00	75.00	0.32	76.98	76.98	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00
601	100.00	75.00	0.32	76.75	76.75	0.00

Demand Charge:	0.00
Total Cost:	0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	87.57	80.92	0.00
108	0.00	87.00	80.52	0.00
307	0.00	88.54	82.13	0.00
107	0.00	87.69	81.61	0.00
306	0.00	89.51	83.50	0.00
106	0.00	88.37	82.69	0.00
305	0.00	90.49	84.88	0.00
105	0.00	89.06	83.54	0.00
304	0.00	90.71	85.21	0.00
104	0.00	89.69	83.77	0.00
302	0.00	91.09	85.16	0.00
102	0.00	90.75	84.97	0.00
301	0.00	91.28	85.75	0.00
101	0.00	91.27	85.89	0.00
201	0.00	91.27	85.92	0.00
1	0.00	91.42	86.22	0.00
202	0.00	90.96	85.21	0.00
2	0.00	90.72	85.11	0.00
203	0.00	90.63	84.48	0.00
3	0.00	89.98	83.97	0.00
204	0.00	90.07	83.96	0.00
4	0.00	88.73	82.40	0.00
205	0.00	89.51	83.80	0.00
5	0.00	87.28	81.35	0.00
206	0.00	88.95	83.17	0.00
6	0.00	86.69	81.16	0.00
207	0.00	88.39	82.21	0.00
7	0.00	86.10	80.36	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208	0.00	87.83	81.49	0.00
8	0.00	85.51	79.37	0.00
209	0.00	87.27	81.32	0.00
9	0.00	84.82	78.84	0.00
1000	0.00	91.77	86.77	0.00
103	0.00	90.22	84.04	0.00
303	0.00	90.90	85.00	0.00
2091	0.00	87.27	81.32	0.00
2092	0.00	87.27	79.45	0.00
91	0.00	84.80	78.82	0.00
92	25.00	84.72	77.09	0.00
1081	0.00	87.00	80.52	0.00
1082	0.00	87.00	78.99	0.00
3081	0.00	87.57	80.92	0.00
3082	0.00	87.57	79.41	0.00
1001	0.00	92.37	85.27	0.00
40	0.00	92.70	82.30	0.00
30	0.00	93.13	82.73	0.00
20	0.00	93.24	82.84	0.00
10	0.00	93.27	82.87	0.00
1061	0.00	88.37	82.69	0.00
1062	0.00	88.37	80.37	0.00
3061	0.00	89.51	83.50	0.00
3062	0.00	89.51	81.25	0.00
1021	0.00	90.75	84.97	0.00
1022	0.00	90.75	82.96	0.00
3021	0.00	91.09	85.16	0.00
3022	0.00	91.09	83.51	0.00
61	0.00	86.69	81.16	0.00
62	0.00	86.69	78.64	0.00
2061	0.00	88.95	83.17	0.00
2062	0.00	88.95	80.88	0.00
12	0.00	6.91	-1.44	0.00
13	0.00	6.92	-1.43	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
14	0.00	6.92	-1.43	0.00
16	0.00	95.03	86.68	0.00
17	0.00	95.13	86.78	0.00
18	0.00	95.16	86.81	0.00
11	0.00	91.42	86.22	0.00
122	0.00	91.42	83.68	0.00
211	0.00	90.72	85.11	0.00
221	0.00	90.72	83.06	0.00
311	0.00	89.98	83.97	0.00
321	0.00	89.98	82.29	0.00
411	0.00	88.73	82.40	0.00
421	0.00	88.73	80.88	0.00
511	0.00	87.26	81.33	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
521	25.00	87.19	79.19	0.00
711	0.00	86.10	80.36	0.00
721	0.00	86.10	78.18	0.00
811	0.00	85.51	79.37	0.00
821	0.00	85.51	77.74	0.00
2081	0.00	87.83	81.49	0.00
2082	0.00	87.83	79.92	0.00
2071	0.00	88.39	82.21	0.00
2072	0.00	88.39	80.40	0.00
2051	0.00	89.51	83.80	0.00
2052	0.00	89.51	81.50	0.00
2041	0.00	90.07	83.96	0.00
2042	0.00	90.07	82.20	0.00
2031	0.00	90.63	84.48	0.00
2032	0.00	90.63	82.90	0.00
2021	0.00	90.96	85.21	0.00
2022	0.00	90.96	83.30	0.00
2011	0.00	91.27	85.92	0.00
2012	0.00	91.27	83.64	0.00
3011	0.00	91.28	85.75	0.00
3012	0.00	91.28	83.68	0.00
3031	0.00	90.90	85.00	0.00
3032	0.00	90.90	83.33	0.00
3041	0.00	90.71	85.21	0.00
3042	0.00	90.71	83.03	0.00
3051	0.00	90.49	84.88	0.00
3052	0.00	90.49	82.52	0.00
3071	0.00	88.54	82.13	0.00
3072	0.00	88.54	80.08	0.00
1071	0.00	87.69	81.61	0.00
1072	0.00	87.69	79.58	0.00
1051	0.00	89.04	83.52	0.00
1052	25.00	88.96	81.10	0.00
1041	0.00	89.69	83.77	0.00
1042	0.00	89.69	81.96	0.00
1031	0.00	90.22	82.51	0.00
1032	0.00	90.22	82.51	0.00
1011	0.00	91.27	85.89	0.00
1012	0.00	91.27	83.60	0.00
21	0.00	91.46	86.31	0.00
15	0.00	86.27	80.12	0.00
19	0.00	85.51	79.81	0.00
22	0.00	86.59	80.34	0.00
23	0.00	85.51	79.66	0.00
24	0.00	86.27	80.12	0.00
25	0.00	86.27	78.35	0.00
26	0.00	85.49	79.79	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
27	25.00	85.41	77.54	0.00
28	0.00	85.49	79.64	0.00
29	25.00	85.42	77.79	0.00

31	0.00	86.59	80.34	0.00
32	0.00	86.59	78.77	0.00
33	0.00	84.65	79.07	0.00
34	0.00	84.48	79.11	0.00
35	0.00	84.31	78.54	0.00
36	0.00	84.15	77.98	0.00
37	0.00	83.98	78.15	0.00
38	0.00	83.78	78.35	0.00
39	0.00	86.71	81.16	0.00
41	0.00	86.15	80.80	0.00
42	0.00	85.59	79.84	0.00
43	0.00	85.03	78.88	0.00
44	0.00	84.47	78.32	0.00
45	0.00	83.83	78.23	0.00
46	0.00	84.65	79.07	0.00
47	0.00	84.48	79.11	0.00
48	0.00	84.31	78.54	0.00
49	0.00	84.15	77.98	0.00
50	0.00	83.98	78.15	0.00
51	0.00	83.75	78.32	0.00
52	0.00	86.71	81.16	0.00
53	0.00	86.15	80.80	0.00
54	0.00	85.59	79.84	0.00
55	0.00	85.03	78.88	0.00
56	0.00	84.47	78.32	0.00
57	0.00	83.80	78.20	0.00
58	0.00	84.65	77.03	0.00
59	0.00	84.48	76.88	0.00
60	0.00	84.31	76.71	0.00
63	0.00	84.15	76.53	0.00
64	0.00	83.98	76.33	0.00
65	25.00	83.68	76.00	0.00
66	0.00	86.71	78.92	0.00
67	0.00	86.15	78.40	0.00
68	0.00	85.59	77.86	0.00
69	0.00	85.03	77.24	0.00
70	0.00	84.47	76.61	0.00
71	25.00	83.73	75.80	0.00
72	0.00	82.95	77.60	0.00
73	0.00	81.96	76.13	0.00
74	0.00	80.97	74.66	0.00
75	0.00	79.98	73.23	0.00
76	0.00	82.95	77.60	0.00
77	0.00	81.96	76.13	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
78	0.00	80.97	74.66	0.00	
79	0.00	79.96	73.21	0.00	
80	0.00	82.95	74.95	0.00	
81	0.00	81.96	74.01	0.00	
82	0.00	80.97	72.77	0.00	
83	25.00	79.88	71.68	0.00	
666	-200.00	7.30	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	75.78	1.45	7.01	Open
2	75.78	1.45	7.01	Open
3	75.78	1.45	7.44	Open
4	75.78	1.84	12.44	Open
5	75.78	1.84	14.50	Open
6	50.78	1.23	5.93	Open
7	50.78	1.23	5.93	Open
8	50.78	1.23	5.93	Open
9	50.78	1.23	6.85	Open
101	47.64	1.15	5.26	Open
102	47.64	1.15	5.26	Open
2000	76.58	1.47	10.55	Open
202	49.22	0.94	3.34	Open
201	-49.22	0.94	3.15	Open

205	49.22	1.19	5.59	Open
204	-49.22	1.19	5.59	Open
208	49.22	1.19	5.59	Open
207	-49.22	1.19	5.59	Open
103	47.64	1.15	5.26	Open
104	47.64	1.15	5.26	Open
105	47.64	1.15	6.35	Open
106	22.64	1.08	6.86	Open
107	22.64	1.08	6.86	Open
108	22.64	1.08	6.86	Open
302	-27.36	0.66	1.89	Open
301	-27.36	0.66	1.89	Open
304	27.36	0.66	1.89	Open
305	27.36	0.66	2.24	Open
307	-27.36	1.30	9.74	Open
1000	200.00	2.83	119.27	Open
1001	200.00	2.83	99.50	Open
40	200.00	2.83	853.31	Open
30	133.16	1.88	78.01	Open
10	66.55	0.94	19.96	Open

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Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
206	-49.22	1.19	5.59	Open
203	-49.22	1.19	5.59	Open
200	-49.22	0.94	3.15	Open
306	27.36	1.30	9.74	Open
12	66.84	2.13	77.21	Open
13	66.61	2.12	76.69	Open
14	66.55	2.12	76.56	Open
15	66.55	3.77	919.06	Open
16	66.61	3.77	920.69	Open
17	66.84	3.78	927.08	Open
308	27.36	1.30	9.74	Open
11	27.36	0.66	1.89	Open
18	22.64	1.08	7.37	Open
19	22.64	1.08	7.57	Open
20	27.36	1.30	9.74	Open
23	27.36	1.30	10.78	Open
24	-2.36	0.11	0.11	Open
36	-24.22	0.59	1.73	Open
37	25.78	0.62	1.69	Open
38	25.78	0.62	1.69	Open
39	25.78	0.62	1.69	Open
43	25.78	0.62	1.69	Open
44	25.78	0.62	1.69	Open
45	25.78	0.62	2.01	Open
46	49.22	1.19	5.59	Open
47	49.22	1.19	5.59	Open
48	49.22	1.19	5.59	Open
49	49.22	1.19	5.59	Open
50	49.22	1.19	5.59	Open
53	49.22	1.19	6.46	Open
84	25.00	1.19	8.24	Open
85	25.00	1.19	8.24	Open
86	25.00	1.19	8.24	Open
87	25.00	1.19	9.03	Open
603	66.84	0.00	-88.11	Open Pump
602	66.61	0.00	-88.21	Open Pump
601	66.55	0.00	-88.24	Open Pump
2091	0.00	0.00	0.00	Active Valve
2092	0.00	0.00	0.00	Active Valve
91	25.00	1.19	0.02	Active Valve
92	25.00	1.19	0.07	Active Valve
1081	0.00	0.00	0.00	Active Valve
1082	0.00	0.00	0.00	Active Valve
3081	0.00	0.00	0.00	Active Valve
3082	0.00	0.00	0.00	Active Valve
1061	0.00	0.00	0.00	Active Valve
1062	0.00	0.00	0.00	Active Valve

Page 11
Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3061	0.00	0.00	0.00	Active Valve
3062	0.00	0.00	0.00	Active Valve
1021	0.00	0.00	0.00	Active Valve
1022	0.00	0.00	0.00	Active Valve
3021	0.00	0.00	0.00	Active Valve
3022	0.00	0.00	0.00	Active Valve
61	0.00	0.00	0.00	Active Valve
62	0.00	0.00	0.00	Active Valve
2061	0.00	0.00	0.00	Active Valve
2062	0.00	0.00	0.00	Active Valve
111	0.00	0.00	0.00	Active Valve
121	0.00	0.00	0.00	Active Valve
21	0.00	0.00	0.00	Active Valve
22	0.00	0.00	0.00	Active Valve
31	0.00	0.00	0.00	Active Valve
32	0.00	0.00	0.00	Active Valve
41	0.00	0.00	0.00	Active Valve
42	0.00	0.00	0.00	Active Valve
51	25.00	1.19	0.02	Active Valve
52	25.00	1.19	0.07	Active Valve
71	0.00	0.00	0.00	Active Valve
72	0.00	0.00	0.00	Active Valve
81	0.00	0.00	0.00	Active Valve
82	0.00	0.00	0.00	Active Valve
2081	0.00	0.00	0.00	Active Valve
2082	0.00	0.00	0.00	Active Valve
2071	0.00	0.00	0.00	Active Valve
2072	0.00	0.00	0.00	Active Valve
2051	0.00	0.00	0.00	Active Valve
2052	0.00	0.00	0.00	Active Valve
2041	0.00	0.00	0.00	Active Valve
2042	0.00	0.00	0.00	Active Valve
2031	0.00	0.00	0.00	Active Valve
2032	0.00	0.00	0.00	Active Valve
2021	0.00	0.00	0.00	Active Valve
2022	0.00	0.00	0.00	Active Valve
2011	0.00	0.00	0.00	Active Valve
2012	0.00	0.00	0.00	Active Valve
3011	0.00	0.00	0.00	Active Valve
3012	0.00	0.00	0.00	Active Valve
3031	0.00	0.00	0.00	Active Valve
3032	0.00	0.00	0.00	Active Valve
3041	0.00	0.00	0.00	Active Valve
3042	0.00	0.00	0.00	Active Valve
3051	0.00	0.00	0.00	Active Valve
3052	0.00	0.00	0.00	Active Valve
3071	0.00	0.00	0.00	Active Valve

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3072	0.00	0.00	0.00	Active Valve
1071	0.00	0.00	0.00	Active Valve
1072	0.00	0.00	0.00	Active Valve
1051	25.00	1.19	0.02	Active Valve
1052	25.00	1.19	0.07	Active Valve
1041	0.00	0.00	0.00	Active Valve
1042	0.00	0.00	0.00	Active Valve
1031	0.00	0.00	0.00	Active Valve
1032	0.00	0.00	0.00	Active Valve
1011	0.00	0.00	0.00	Active Valve
1012	0.00	0.00	0.00	Active Valve
25	0.00	0.00	0.00	Active Valve
26	0.00	0.00	0.00	Active Valve
27	25.00	1.19	0.02	Active Valve
28	25.00	1.19	0.07	Active Valve
29	0.00	0.00	0.00	Active Valve
33	0.00	0.00	0.00	Active Valve
34	25.00	1.19	0.02	Active Valve
35	25.00	1.19	0.07	Active Valve
54	0.00	0.00	0.00	Active Valve

55	0.00	0.00	0.00	Active Valve
56	0.00	0.00	0.00	Active Valve
57	0.00	0.00	0.00	Active Valve
58	0.00	0.00	0.00	Active Valve
59	25.00	1.19	0.02	Active Valve
60	0.00	0.00	0.00	Active Valve
63	0.00	0.00	0.00	Active Valve
64	0.00	0.00	0.00	Active Valve
65	0.00	0.00	0.00	Active Valve
66	0.00	0.00	0.00	Active Valve
67	25.00	1.19	0.02	Active Valve
68	0.00	0.00	0.00	Active Valve
69	0.00	0.00	0.00	Active Valve
70	0.00	0.00	0.00	Active Valve
73	0.00	0.00	0.00	Active Valve
74	0.00	0.00	0.00	Active Valve
75	25.00	1.19	0.07	Active Valve
76	0.00	0.00	0.00	Active Valve
77	0.00	0.00	0.00	Active Valve
78	0.00	0.00	0.00	Active Valve
79	0.00	0.00	0.00	Active Valve
80	0.00	0.00	0.00	Active Valve
83	25.00	1.19	0.07	Active Valve
88	0.00	0.00	0.00	Active Valve
89	0.00	0.00	0.00	Active Valve
90	0.00	0.00	0.00	Active Valve
93	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
94	0.00	0.00	0.00	Active Valve
95	0.00	0.00	0.00	Active Valve
96	0.00	0.00	0.00	Active Valve
97	25.00	1.19	0.07	Active Valve

Report di calcolo dimensionamento in moto permanente

8. Comizio irriguo n.8

2. Ipotesi n.2: alimentazione di n.8 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_8_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	50	257.8
2	1	2	100	257.8
3	2	3	100	257.8
4	3	4	100	229.2
5	4	5	100	229.2
6	5	6	100	229.2
7	6	7	100	229.2
8	7	8	100	229.2
9	8	9	100	229.2
101	1000	101	95	229.2
102	101	102	100	229.2
2000	1000	21	30	257.8
202	202	203	100	257.8
201	202	201	100	257.8
205	205	206	100	229.2
204	205	204	100	229.2
208	208	209	100	229.2
207	208	207	100	229.2
103	102	103	100	229.2
104	103	104	100	229.2
105	104	105	100	229.2
106	105	106	100	163.6
107	106	107	100	163.6
108	107	108	100	163.6
302	303	302	100	229.2
301	302	301	100	229.2
304	303	304	100	229.2
305	304	305	100	229.2
307	307	306	100	163.6
1000	1001	1000	5	300
1001	40	1001	3.3	300
40	30	40	0.5	300
30	20	30	1.5	300
10	10	20	1.5	300
206	207	206	100	229.2
203	204	203	100	229.2
200	201	21	58	257.8

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
306	305	306	100	163.6
12	666	12	5	200
13	666	13	5	200
14	666	14	5	200
15	18	10	2.05	150
16	17	20	2.05	150
17	16	30	2.05	150
308	307	308	100	163.6
11	21	301	95	229.2
18	108	15	100	163.6
19	15	19	100	163.6
20	308	22	100	163.6
23	22	23	100	163.6
24	19	23	30	163.3
36	38	45	30	229.2
37	9	33	100	229.2
38	33	34	100	229.2

39	34	35	100	229.2	
43	35	36	100	229.2	
44	36	37	100	229.2	
45	37	38	100	229.2	
46	209	39	100	229.2	
47	39	41	100	229.2	
48	41	42	100	229.2	
49	42	43	100	229.2	
50	43	44	100	229.2	
53	44	45	100	229.2	
84	38	72	100	163.6	
85	72	73	120	163.6	
86	73	74	120	163.6	
87	74	75	110	163.6	
603	12	16	#N/A	#N/A	Pump
602	13	17	#N/A	#N/A	Pump
601	14	18	#N/A	#N/A	Pump
2091	209	2091	#N/A	163.6	Valve
2092	2091	2092	#N/A	163.6	Valve
91	9	91	#N/A	163.6	Valve
92	91	92	#N/A	163.6	Valve
1081	108	1081	#N/A	163.6	Valve
1082	1081	1082	#N/A	163.6	Valve
3081	308	3081	#N/A	163.6	Valve
3082	3081	3082	#N/A	163.6	Valve
1061	106	1061	#N/A	163.6	Valve
1062	1061	1062	#N/A	163.6	Valve
3061	306	3061	#N/A	163.6	Valve
3062	3061	3062	#N/A	163.6	Valve
1021	102	1021	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1022	1021	1022	#N/A	163.6	Valve
3021	302	3021	#N/A	163.6	Valve
3022	3021	3022	#N/A	163.6	Valve
61	6	61	#N/A	163.6	Valve
62	61	62	#N/A	163.6	Valve
2061	206	2061	#N/A	163.6	Valve
2062	2061	2062	#N/A	163.6	Valve
111	1	11	#N/A	163.6	Valve
121	11	122	#N/A	163.6	Valve
21	2	211	#N/A	163.6	Valve
22	211	221	#N/A	163.6	Valve
31	3	311	#N/A	163.6	Valve
32	311	321	#N/A	163.6	Valve
41	4	411	#N/A	163.6	Valve
42	411	421	#N/A	163.6	Valve
51	5	511	#N/A	163.6	Valve
52	511	521	#N/A	163.6	Valve
71	7	711	#N/A	163.6	Valve
72	711	721	#N/A	163.6	Valve
81	8	811	#N/A	163.6	Valve
82	811	821	#N/A	163.6	Valve
2081	208	2081	#N/A	163.6	Valve
2082	2081	2082	#N/A	163.6	Valve
2071	207	2071	#N/A	163.6	Valve
2072	2071	2072	#N/A	163.6	Valve
2051	205	2051	#N/A	163.6	Valve
2052	2051	2052	#N/A	163.6	Valve
2041	204	2041	#N/A	163.6	Valve
2042	2041	2042	#N/A	163.6	Valve
2031	203	2031	#N/A	163.6	Valve
2032	2031	2032	#N/A	163.6	Valve
2021	202	2021	#N/A	163.6	Valve
2022	2021	2022	#N/A	163.6	Valve
2011	201	2011	#N/A	163.6	Valve
2012	2011	2012	#N/A	163.6	Valve
3011	301	3011	#N/A	163.6	Valve
3012	3011	3012	#N/A	163.6	Valve
3031	303	3031	#N/A	163.6	Valve
3032	3031	3032	#N/A	163.6	Valve
3041	304	3041	#N/A	163.6	Valve
3042	3041	3042	#N/A	163.6	Valve

3051	305	3051	#N/A	163.6	Valve
3052	3051	3052	#N/A	163.6	Valve
3071	307	3071	#N/A	163.6	Valve
3072	3071	3072	#N/A	163.6	Valve
1071	107	1071	#N/A	163.6	Valve
1072	1071	1072	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1051	105	1051	#N/A	163.6	Valve
1052	1051	1052	#N/A	163.6	Valve
1041	104	1041	#N/A	163.6	Valve
1042	1041	1042	#N/A	163.6	Valve
1031	103	1031	#N/A	163.6	Valve
1032	1031	1032	#N/A	163.6	Valve
1011	101	1011	#N/A	163.6	Valve
1012	1011	1012	#N/A	163.6	Valve
25	15	24	#N/A	163.6	Valve
26	24	25	#N/A	163.6	Valve
27	19	26	#N/A	163.6	Valve
28	26	27	#N/A	163.6	Valve
29	22	31	#N/A	163.6	Valve
33	31	32	#N/A	163.6	Valve
34	23	28	#N/A	163.6	Valve
35	28	29	#N/A	163.6	Valve
54	33	46	#N/A	163.6	Valve
55	34	47	#N/A	163.6	Valve
56	35	48	#N/A	163.6	Valve
57	36	49	#N/A	163.6	Valve
58	37	50	#N/A	163.6	Valve
59	38	51	#N/A	163.6	Valve
60	39	52	#N/A	163.6	Valve
63	41	53	#N/A	163.6	Valve
64	42	54	#N/A	163.6	Valve
65	43	55	#N/A	163.6	Valve
66	44	56	#N/A	163.6	Valve
67	45	57	#N/A	163.6	Valve
68	46	58	#N/A	163.6	Valve
69	47	59	#N/A	163.6	Valve
70	48	60	#N/A	163.6	Valve
73	49	63	#N/A	163.6	Valve
74	50	64	#N/A	163.6	Valve
75	51	65	#N/A	163.6	Valve
76	52	66	#N/A	163.6	Valve
77	53	67	#N/A	163.6	Valve
78	54	68	#N/A	163.6	Valve
79	55	69	#N/A	163.6	Valve
80	56	70	#N/A	163.6	Valve
83	57	71	#N/A	163.6	Valve
88	72	76	#N/A	163.6	Valve
89	73	77	#N/A	163.6	Valve
90	74	78	#N/A	163.6	Valve
93	75	79	#N/A	163.6	Valve
94	76	80	#N/A	163.6	Valve
95	77	81	#N/A	163.6	Valve
96	78	82	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
97	79	83	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
603	100.00	75.00	0.32	76.98	76.98	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00
601	100.00	75.00	0.32	76.75	76.75	0.00

Demand Charge:	0.00
Total Cost:	0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	91.51	84.86	0.00
108	0.00	91.65	85.17	0.00
307	0.00	91.48	85.07	0.00
107	0.00	91.68	85.60	0.00
306	0.00	91.45	85.44	0.00
106	0.00	91.71	86.03	0.00
305	0.00	91.42	85.81	0.00
105	0.00	91.74	86.22	0.00
304	0.00	91.41	85.91	0.00
104	0.00	91.75	85.83	0.00
302	0.00	91.40	85.47	0.00
102	0.00	91.76	85.98	0.00
301	0.00	91.40	85.87	0.00
101	0.00	91.77	86.39	0.00
201	0.00	90.84	85.49	0.00
1	0.00	91.06	85.86	0.00
202	0.00	89.90	84.15	0.00
2	0.00	89.64	84.03	0.00
203	0.00	88.95	82.80	0.00
3	0.00	87.95	81.94	0.00
204	0.00	87.27	81.16	0.00
4	0.00	86.38	80.05	0.00
205	0.00	85.59	79.88	0.00
5	0.00	84.81	78.88	0.00
206	0.00	83.92	78.14	0.00
6	0.00	83.24	77.71	0.00
207	0.00	81.96	75.78	0.00
7	0.00	81.40	75.66	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208	0.00	81.04	74.70	0.00
8	0.00	80.57	74.43	0.00
209	0.00	80.13	74.18	0.00
9	0.00	79.74	73.76	0.00
1000	0.00	91.77	86.77	0.00
103	0.00	91.76	85.58	0.00
303	0.00	91.41	85.51	0.00
2091	0.00	80.13	74.18	0.00
2092	0.00	80.13	72.31	0.00
91	0.00	79.74	73.76	0.00
92	0.00	79.74	72.11	0.00
1081	0.00	91.65	85.17	0.00
1082	0.00	91.65	83.64	0.00
3081	0.00	91.51	84.86	0.00
3082	0.00	91.51	83.35	0.00
1001	0.00	92.37	85.27	0.00
40	0.00	92.70	82.30	0.00
30	0.00	93.13	82.73	0.00
20	0.00	93.24	82.84	0.00
10	0.00	93.27	82.87	0.00
1061	0.00	91.71	86.03	0.00
1062	0.00	91.71	83.71	0.00
3061	0.00	91.45	85.44	0.00
3062	0.00	91.45	83.19	0.00
1021	0.00	91.76	85.98	0.00
1022	0.00	91.76	83.97	0.00
3021	0.00	91.40	85.47	0.00
3022	0.00	91.40	83.82	0.00
61	0.00	83.24	77.71	0.00
62	0.00	83.24	75.19	0.00
2061	0.00	83.92	78.14	0.00
2062	0.00	83.92	75.85	0.00
12	0.00	6.91	-1.44	0.00
13	0.00	6.92	-1.43	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
14	0.00	6.92	-1.43	0.00
16	0.00	95.03	86.68	0.00
17	0.00	95.13	86.78	0.00
18	0.00	95.16	86.81	0.00
11	0.00	91.06	85.86	0.00
122	0.00	91.06	83.32	0.00
211	0.00	89.64	84.03	0.00
221	0.00	89.64	81.98	0.00
311	0.00	87.92	81.91	0.00
321	25.00	87.85	80.16	0.00
411	0.00	86.38	80.05	0.00
421	0.00	86.38	78.53	0.00
511	0.00	84.81	78.88	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
521	0.00	84.81	76.81	0.00
711	0.00	81.38	75.64	0.00
721	25.00	81.30	73.38	0.00
811	0.00	80.57	74.43	0.00
821	0.00	80.57	72.80	0.00
2081	0.00	81.04	74.70	0.00
2082	0.00	81.04	73.13	0.00
2071	0.00	81.93	75.75	0.00
2072	25.00	81.86	73.87	0.00
2051	0.00	85.59	79.88	0.00
2052	0.00	85.59	77.58	0.00
2041	0.00	87.27	81.16	0.00
2042	0.00	87.27	79.40	0.00
2031	0.00	88.95	82.80	0.00
2032	0.00	88.95	81.22	0.00
2021	0.00	89.90	84.15	0.00
2022	0.00	89.90	82.24	0.00
2011	0.00	90.84	85.49	0.00
2012	0.00	90.84	83.21	0.00
3011	0.00	91.40	85.87	0.00
3012	0.00	91.40	83.80	0.00
3031	0.00	91.41	85.51	0.00
3032	0.00	91.41	83.84	0.00
3041	0.00	91.41	85.91	0.00
3042	0.00	91.41	83.73	0.00
3051	0.00	91.42	85.81	0.00
3052	0.00	91.42	83.45	0.00
3071	0.00	91.48	85.07	0.00
3072	0.00	91.48	83.02	0.00
1071	0.00	91.68	85.60	0.00
1072	0.00	91.68	83.57	0.00
1051	0.00	91.74	86.22	0.00
1052	0.00	91.74	83.88	0.00
1041	0.00	91.75	85.83	0.00
1042	0.00	91.75	84.02	0.00
1031	0.00	91.76	84.05	0.00
1032	0.00	91.76	84.05	0.00
1011	0.00	91.77	86.39	0.00
1012	0.00	91.77	84.10	0.00
21	0.00	91.39	86.24	0.00
15	0.00	91.62	85.47	0.00
19	0.00	91.59	85.89	0.00
22	0.00	91.54	85.29	0.00
23	0.00	91.58	85.73	0.00
24	0.00	91.62	85.47	0.00
25	0.00	91.62	83.70	0.00
26	0.00	91.59	85.89	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
27	0.00	91.59	83.72	0.00
28	0.00	91.58	85.73	0.00
29	0.00	91.58	83.95	0.00

31	0.00	91.54	85.29	0.00
32	0.00	91.54	83.72	0.00
33	0.00	78.91	73.33	0.00
34	0.00	77.94	72.57	0.00
35	0.00	77.63	71.86	0.00
36	0.00	77.32	71.15	0.00
37	0.00	77.01	71.18	0.00
38	0.00	76.63	71.20	0.00
39	0.00	79.22	73.67	0.00
41	0.00	78.16	72.81	0.00
42	0.00	77.80	72.05	0.00
43	0.00	77.43	71.28	0.00
44	0.00	77.07	70.92	0.00
45	0.00	76.65	71.05	0.00
46	0.00	78.91	73.33	0.00
47	0.00	77.92	72.55	0.00
48	0.00	77.63	71.86	0.00
49	0.00	77.32	71.15	0.00
50	0.00	77.01	71.18	0.00
51	0.00	76.61	71.18	0.00
52	0.00	79.22	73.67	0.00
53	0.00	78.14	72.79	0.00
54	0.00	77.80	72.05	0.00
55	0.00	77.43	71.28	0.00
56	0.00	77.07	70.92	0.00
57	0.00	76.63	71.03	0.00
58	0.00	78.91	71.29	0.00
59	25.00	77.85	70.25	0.00
60	0.00	77.63	70.03	0.00
63	0.00	77.32	69.70	0.00
64	0.00	77.01	69.36	0.00
65	25.00	76.53	68.85	0.00
66	0.00	79.22	71.43	0.00
67	25.00	78.07	70.32	0.00
68	0.00	77.80	70.07	0.00
69	0.00	77.43	69.64	0.00
70	0.00	77.07	69.21	0.00
71	25.00	76.55	68.62	0.00
72	0.00	75.81	70.46	0.00
73	0.00	74.82	68.99	0.00
74	0.00	73.83	67.52	0.00
75	0.00	72.84	66.09	0.00
76	0.00	75.81	70.46	0.00
77	0.00	74.82	68.99	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
78	0.00	73.83	67.52	0.00	
79	0.00	72.81	66.06	0.00	
80	0.00	75.81	67.81	0.00	
81	0.00	74.82	66.87	0.00	
82	0.00	73.83	65.63	0.00	
83	25.00	72.74	64.54	0.00	
666	-200.00	7.30	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	110.94	2.13	14.21	Open
2	110.94	2.13	14.21	Open
3	110.94	2.13	16.97	Open
4	85.94	2.08	15.70	Open
5	85.94	2.08	15.70	Open
6	85.94	2.08	15.70	Open
7	85.94	2.08	18.35	Open
8	60.94	1.48	8.31	Open
9	60.94	1.48	8.31	Open
101	4.24	0.10	0.06	Open
102	4.24	0.10	0.06	Open
2000	84.82	1.62	12.81	Open
202	89.06	1.71	9.46	Open
201	-89.06	1.71	9.46	Open

205	89.06	2.16	16.77	Open
204	-89.06	2.16	16.77	Open
208	64.06	1.55	9.11	Open
207	-64.06	1.55	9.11	Open
103	4.24	0.10	0.06	Open
104	4.24	0.10	0.06	Open
105	4.24	0.10	0.06	Open
106	4.24	0.20	0.31	Open
107	4.24	0.20	0.31	Open
108	4.24	0.20	0.31	Open
302	4.24	0.10	0.06	Open
301	4.24	0.10	0.06	Open
304	-4.24	0.10	0.06	Open
305	-4.24	0.10	0.06	Open
307	4.24	0.20	0.31	Open
1000	200.00	2.83	119.27	Open
1001	200.00	2.83	99.50	Open
40	200.00	2.83	853.31	Open
30	133.16	1.88	78.01	Open
10	66.55	0.94	19.96	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
206	-89.06	2.16	19.62	Open
203	-89.06	2.16	16.77	Open
200	-89.06	1.71	9.46	Open
306	-4.24	0.20	0.31	Open
12	66.84	2.13	77.21	Open
13	66.61	2.12	76.69	Open
14	66.55	2.12	76.56	Open
15	66.55	3.77	919.07	Open
16	66.61	3.77	920.70	Open
17	66.84	3.78	927.08	Open
308	-4.24	0.20	0.31	Open
11	-4.24	0.10	0.06	Open
18	4.24	0.20	0.33	Open
19	4.24	0.20	0.33	Open
20	-4.24	0.20	0.31	Open
23	-4.24	0.20	0.33	Open
24	4.24	0.20	0.34	Open
36	-14.06	0.34	0.62	Open
37	60.94	1.48	8.31	Open
38	60.94	1.48	9.64	Open
39	35.94	0.87	3.12	Open
43	35.94	0.87	3.12	Open
44	35.94	0.87	3.12	Open
45	35.94	0.87	3.74	Open
46	64.06	1.55	9.11	Open
47	64.06	1.55	10.58	Open
48	39.06	0.95	3.64	Open
49	39.06	0.95	3.64	Open
50	39.06	0.95	3.64	Open
53	39.06	0.95	4.19	Open
84	25.00	1.19	8.24	Open
85	25.00	1.19	8.24	Open
86	25.00	1.19	8.24	Open
87	25.00	1.19	9.03	Open
603	66.84	0.00	-88.11	Open Pump
602	66.61	0.00	-88.21	Open Pump
601	66.55	0.00	-88.24	Open Pump
2091	0.00	0.00	0.00	Active Valve
2092	0.00	0.00	0.00	Active Valve
91	0.00	0.00	0.00	Active Valve
92	0.00	0.00	0.00	Active Valve
1081	0.00	0.00	0.00	Active Valve
1082	0.00	0.00	0.00	Active Valve
3081	0.00	0.00	0.00	Active Valve
3082	0.00	0.00	0.00	Active Valve
1061	0.00	0.00	0.00	Active Valve
1062	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3061	0.00	0.00	0.00	Active Valve
3062	0.00	0.00	0.00	Active Valve
1021	0.00	0.00	0.00	Active Valve
1022	0.00	0.00	0.00	Active Valve
3021	0.00	0.00	0.00	Active Valve
3022	0.00	0.00	0.00	Active Valve
61	0.00	0.00	0.00	Active Valve
62	0.00	0.00	0.00	Active Valve
2061	0.00	0.00	0.00	Active Valve
2062	0.00	0.00	0.00	Active Valve
111	0.00	0.00	0.00	Active Valve
121	0.00	0.00	0.00	Active Valve
21	0.00	0.00	0.00	Active Valve
22	0.00	0.00	0.00	Active Valve
31	25.00	1.19	0.02	Active Valve
32	25.00	1.19	0.07	Active Valve
41	0.00	0.00	0.00	Active Valve
42	0.00	0.00	0.00	Active Valve
51	0.00	0.00	0.00	Active Valve
52	0.00	0.00	0.00	Active Valve
71	25.00	1.19	0.02	Active Valve
72	25.00	1.19	0.07	Active Valve
81	0.00	0.00	0.00	Active Valve
82	0.00	0.00	0.00	Active Valve
2081	0.00	0.00	0.00	Active Valve
2082	0.00	0.00	0.00	Active Valve
2071	25.00	1.19	0.02	Active Valve
2072	25.00	1.19	0.07	Active Valve
2051	0.00	0.00	0.00	Active Valve
2052	0.00	0.00	0.00	Active Valve
2041	0.00	0.00	0.00	Active Valve
2042	0.00	0.00	0.00	Active Valve
2031	0.00	0.00	0.00	Active Valve
2032	0.00	0.00	0.00	Active Valve
2021	0.00	0.00	0.00	Active Valve
2022	0.00	0.00	0.00	Active Valve
2011	0.00	0.00	0.00	Active Valve
2012	0.00	0.00	0.00	Active Valve
3011	0.00	0.00	0.00	Active Valve
3012	0.00	0.00	0.00	Active Valve
3031	0.00	0.00	0.00	Active Valve
3032	0.00	0.00	0.00	Active Valve
3041	0.00	0.00	0.00	Active Valve
3042	0.00	0.00	0.00	Active Valve
3051	0.00	0.00	0.00	Active Valve
3052	0.00	0.00	0.00	Active Valve
3071	0.00	0.00	0.00	Active Valve

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3072	0.00	0.00	0.00	Active Valve
1071	0.00	0.00	0.00	Active Valve
1072	0.00	0.00	0.00	Active Valve
1051	0.00	0.00	0.00	Active Valve
1052	0.00	0.00	0.00	Active Valve
1041	0.00	0.00	0.00	Active Valve
1042	0.00	0.00	0.00	Active Valve
1031	0.00	0.00	0.00	Active Valve
1032	0.00	0.00	0.00	Active Valve
1011	0.00	0.00	0.00	Active Valve
1012	0.00	0.00	0.00	Active Valve
25	0.00	0.00	0.00	Active Valve
26	0.00	0.00	0.00	Active Valve
27	0.00	0.00	0.00	Active Valve
28	0.00	0.00	0.00	Active Valve
29	0.00	0.00	0.00	Active Valve
33	0.00	0.00	0.00	Active Valve
34	0.00	0.00	0.00	Active Valve
35	0.00	0.00	0.00	Active Valve
54	0.00	0.00	0.00	Active Valve

55	25.00	1.19	0.02	Active Valve
56	0.00	0.00	0.00	Active Valve
57	0.00	0.00	0.00	Active Valve
58	0.00	0.00	0.00	Active Valve
59	25.00	1.19	0.02	Active Valve
60	0.00	0.00	0.00	Active Valve
63	25.00	1.19	0.02	Active Valve
64	0.00	0.00	0.00	Active Valve
65	0.00	0.00	0.00	Active Valve
66	0.00	0.00	0.00	Active Valve
67	25.00	1.19	0.02	Active Valve
68	0.00	0.00	0.00	Active Valve
69	25.00	1.19	0.07	Active Valve
70	0.00	0.00	0.00	Active Valve
73	0.00	0.00	0.00	Active Valve
74	0.00	0.00	0.00	Active Valve
75	25.00	1.19	0.07	Active Valve
76	0.00	0.00	0.00	Active Valve
77	25.00	1.19	0.07	Active Valve
78	0.00	0.00	0.00	Active Valve
79	0.00	0.00	0.00	Active Valve
80	0.00	0.00	0.00	Active Valve
83	25.00	1.19	0.07	Active Valve
88	0.00	0.00	0.00	Active Valve
89	0.00	0.00	0.00	Active Valve
90	0.00	0.00	0.00	Active Valve
93	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
94	0.00	0.00	0.00	Active Valve
95	0.00	0.00	0.00	Active Valve
96	0.00	0.00	0.00	Active Valve
97	25.00	1.19	0.07	Active Valve

Report di calcolo dimensionamento in moto permanente

8. *Comizio irriguo n.8*
    3. Ipotesi n.3: alimentazione di n.8 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                        Version 2.0                                *
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Input File: Linea_8_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	1000	1	50	257.8
2	1	2	100	257.8
3	2	3	100	257.8
4	3	4	100	229.2
5	4	5	100	229.2
6	5	6	100	229.2
7	6	7	100	229.2
8	7	8	100	229.2
9	8	9	100	229.2
101	1000	101	95	229.2
102	101	102	100	229.2
2000	1000	21	30	257.8
202	202	203	100	257.8
201	202	201	100	257.8
205	205	206	100	229.2
204	205	204	100	229.2
208	208	209	100	229.2
207	208	207	100	229.2
103	102	103	100	229.2
104	103	104	100	229.2
105	104	105	100	229.2
106	105	106	100	163.6
107	106	107	100	163.6
108	107	108	100	163.6
302	303	302	100	229.2
301	302	301	100	229.2
304	303	304	100	229.2
305	304	305	100	229.2
307	307	306	100	163.6
1000	1001	1000	5	300
1001	40	1001	3.3	300
40	30	40	0.5	300
30	20	30	1.5	300
10	10	20	1.5	300
206	207	206	100	229.2
203	204	203	100	229.2
200	201	21	58	257.8

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
306	305	306	100	163.6
12	666	12	5	200
13	666	13	5	200
14	666	14	5	200
15	18	10	2.05	150
16	17	20	2.05	150
17	16	30	2.05	150
308	307	308	100	163.6
11	21	301	95	229.2
18	108	15	100	163.6
19	15	19	100	163.6
20	308	22	100	163.6
23	22	23	100	163.6
24	19	23	30	163.3
36	38	45	30	229.2
37	9	33	100	229.2
38	33	34	100	229.2

39	34	35	100	229.2	
43	35	36	100	229.2	
44	36	37	100	229.2	
45	37	38	100	229.2	
46	209	39	100	229.2	
47	39	41	100	229.2	
48	41	42	100	229.2	
49	42	43	100	229.2	
50	43	44	100	229.2	
53	44	45	100	229.2	
84	38	72	100	163.6	
85	72	73	120	163.6	
86	73	74	120	163.6	
87	74	75	110	163.6	
603	12	16	#N/A	#N/A	Pump
602	13	17	#N/A	#N/A	Pump
601	14	18	#N/A	#N/A	Pump
2091	209	2091	#N/A	163.6	Valve
2092	2091	2092	#N/A	163.6	Valve
91	9	91	#N/A	163.6	Valve
92	91	92	#N/A	163.6	Valve
1081	108	1081	#N/A	163.6	Valve
1082	1081	1082	#N/A	163.6	Valve
3081	308	3081	#N/A	163.6	Valve
3082	3081	3082	#N/A	163.6	Valve
1061	106	1061	#N/A	163.6	Valve
1062	1061	1062	#N/A	163.6	Valve
3061	306	3061	#N/A	163.6	Valve
3062	3061	3062	#N/A	163.6	Valve
1021	102	1021	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1022	1021	1022	#N/A	163.6	Valve
3021	302	3021	#N/A	163.6	Valve
3022	3021	3022	#N/A	163.6	Valve
61	6	61	#N/A	163.6	Valve
62	61	62	#N/A	163.6	Valve
2061	206	2061	#N/A	163.6	Valve
2062	2061	2062	#N/A	163.6	Valve
111	1	11	#N/A	163.6	Valve
121	11	122	#N/A	163.6	Valve
21	2	211	#N/A	163.6	Valve
22	211	221	#N/A	163.6	Valve
31	3	311	#N/A	163.6	Valve
32	311	321	#N/A	163.6	Valve
41	4	411	#N/A	163.6	Valve
42	411	421	#N/A	163.6	Valve
51	5	511	#N/A	163.6	Valve
52	511	521	#N/A	163.6	Valve
71	7	711	#N/A	163.6	Valve
72	711	721	#N/A	163.6	Valve
81	8	811	#N/A	163.6	Valve
82	811	821	#N/A	163.6	Valve
2081	208	2081	#N/A	163.6	Valve
2082	2081	2082	#N/A	163.6	Valve
2071	207	2071	#N/A	163.6	Valve
2072	2071	2072	#N/A	163.6	Valve
2051	205	2051	#N/A	163.6	Valve
2052	2051	2052	#N/A	163.6	Valve
2041	204	2041	#N/A	163.6	Valve
2042	2041	2042	#N/A	163.6	Valve
2031	203	2031	#N/A	163.6	Valve
2032	2031	2032	#N/A	163.6	Valve
2021	202	2021	#N/A	163.6	Valve
2022	2021	2022	#N/A	163.6	Valve
2011	201	2011	#N/A	163.6	Valve
2012	2011	2012	#N/A	163.6	Valve
3011	301	3011	#N/A	163.6	Valve
3012	3011	3012	#N/A	163.6	Valve
3031	303	3031	#N/A	163.6	Valve
3032	3031	3032	#N/A	163.6	Valve
3041	304	3041	#N/A	163.6	Valve
3042	3041	3042	#N/A	163.6	Valve

3051	305	3051	#N/A	163.6	Valve
3052	3051	3052	#N/A	163.6	Valve
3071	307	3071	#N/A	163.6	Valve
3072	3071	3072	#N/A	163.6	Valve
1071	107	1071	#N/A	163.6	Valve
1072	1071	1072	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
1051	105	1051	#N/A	163.6	Valve
1052	1051	1052	#N/A	163.6	Valve
1041	104	1041	#N/A	163.6	Valve
1042	1041	1042	#N/A	163.6	Valve
1031	103	1031	#N/A	163.6	Valve
1032	1031	1032	#N/A	163.6	Valve
1011	101	1011	#N/A	163.6	Valve
1012	1011	1012	#N/A	163.6	Valve
25	15	24	#N/A	163.6	Valve
26	24	25	#N/A	163.6	Valve
27	19	26	#N/A	163.6	Valve
28	26	27	#N/A	163.6	Valve
29	22	31	#N/A	163.6	Valve
33	31	32	#N/A	163.6	Valve
34	23	28	#N/A	163.6	Valve
35	28	29	#N/A	163.6	Valve
54	33	46	#N/A	163.6	Valve
55	34	47	#N/A	163.6	Valve
56	35	48	#N/A	163.6	Valve
57	36	49	#N/A	163.6	Valve
58	37	50	#N/A	163.6	Valve
59	38	51	#N/A	163.6	Valve
60	39	52	#N/A	163.6	Valve
63	41	53	#N/A	163.6	Valve
64	42	54	#N/A	163.6	Valve
65	43	55	#N/A	163.6	Valve
66	44	56	#N/A	163.6	Valve
67	45	57	#N/A	163.6	Valve
68	46	58	#N/A	163.6	Valve
69	47	59	#N/A	163.6	Valve
70	48	60	#N/A	163.6	Valve
73	49	63	#N/A	163.6	Valve
74	50	64	#N/A	163.6	Valve
75	51	65	#N/A	163.6	Valve
76	52	66	#N/A	163.6	Valve
77	53	67	#N/A	163.6	Valve
78	54	68	#N/A	163.6	Valve
79	55	69	#N/A	163.6	Valve
80	56	70	#N/A	163.6	Valve
83	57	71	#N/A	163.6	Valve
88	72	76	#N/A	163.6	Valve
89	73	77	#N/A	163.6	Valve
90	74	78	#N/A	163.6	Valve
93	75	79	#N/A	163.6	Valve
94	76	80	#N/A	163.6	Valve
95	77	81	#N/A	163.6	Valve
96	78	82	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
97	79	83	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
603	100.00	75.00	0.32	76.98	76.98	0.00
602	100.00	75.00	0.32	76.80	76.80	0.00
601	100.00	75.00	0.32	76.75	76.75	0.00

Demand Charge:	0.00
Total Cost:	0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
308	0.00	78.37	71.72	0.00
108	0.00	78.52	72.04	0.00
307	0.00	79.17	72.76	0.00
107	0.00	79.36	73.28	0.00
306	0.00	82.11	76.10	0.00
106	0.00	82.38	76.70	0.00
305	0.00	85.04	79.43	0.00
105	0.00	85.39	79.87	0.00
304	0.00	85.73	80.23	0.00
104	0.00	86.10	80.18	0.00
302	0.00	88.15	82.22	0.00
102	0.00	88.56	82.78	0.00
301	0.00	89.36	83.83	0.00
101	0.00	89.79	84.41	0.00
201	0.00	91.33	85.98	0.00
1	0.00	91.77	86.57	0.00
202	0.00	91.34	85.59	0.00
2	0.00	91.76	86.15	0.00
203	0.00	91.35	85.20	0.00
3	0.00	91.75	85.74	0.00
204	0.00	91.36	85.25	0.00
4	0.00	91.73	85.40	0.00
205	0.00	91.38	85.67	0.00
5	0.00	91.72	85.79	0.00
206	0.00	91.40	85.62	0.00
6	0.00	91.70	86.17	0.00
207	0.00	91.41	85.23	0.00
7	0.00	91.68	85.94	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
208	0.00	91.43	85.09	0.00
8	0.00	91.67	85.53	0.00
209	0.00	91.44	85.49	0.00
9	0.00	91.65	85.67	0.00
1000	0.00	91.77	86.77	0.00
103	0.00	87.33	81.15	0.00
303	0.00	86.94	81.04	0.00
2091	0.00	91.44	85.49	0.00
2092	0.00	91.44	83.62	0.00
91	0.00	91.65	85.67	0.00
92	0.00	91.65	84.02	0.00
1081	0.00	78.52	72.04	0.00
1082	0.00	78.52	70.51	0.00
3081	0.00	78.37	71.72	0.00
3082	0.00	78.37	70.21	0.00
1001	0.00	92.37	85.27	0.00
40	0.00	92.70	82.30	0.00
30	0.00	93.13	82.73	0.00
20	0.00	93.24	82.84	0.00
10	0.00	93.27	82.87	0.00
1061	0.00	82.38	76.70	0.00
1062	0.00	82.38	74.38	0.00
3061	0.00	82.11	76.10	0.00
3062	0.00	82.11	73.85	0.00
1021	0.00	88.56	82.78	0.00
1022	0.00	88.56	80.77	0.00
3021	0.00	88.15	82.22	0.00
3022	0.00	88.15	80.57	0.00
61	0.00	91.70	86.17	0.00
62	0.00	91.70	83.65	0.00
2061	0.00	91.40	85.62	0.00
2062	0.00	91.40	83.33	0.00
12	0.00	6.91	-1.44	0.00
13	0.00	6.92	-1.43	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
14	0.00	6.92	-1.43	0.00
16	0.00	95.03	86.68	0.00
17	0.00	95.13	86.78	0.00
18	0.00	95.16	86.81	0.00
11	0.00	91.77	86.57	0.00
122	0.00	91.77	84.03	0.00
211	0.00	91.76	86.15	0.00
221	0.00	91.76	84.10	0.00
311	0.00	91.75	85.74	0.00
321	0.00	91.75	84.06	0.00
411	0.00	91.73	85.40	0.00
421	0.00	91.73	83.88	0.00
511	0.00	91.72	85.79	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
521	0.00	91.72	83.72	0.00
711	0.00	91.68	85.94	0.00
721	0.00	91.68	83.76	0.00
811	0.00	91.67	85.53	0.00
821	0.00	91.67	83.90	0.00
2081	0.00	91.43	85.09	0.00
2082	0.00	91.43	83.52	0.00
2071	0.00	91.41	85.23	0.00
2072	0.00	91.41	83.42	0.00
2051	0.00	91.38	85.67	0.00
2052	0.00	91.38	83.37	0.00
2041	0.00	91.36	85.25	0.00
2042	0.00	91.36	83.49	0.00
2031	0.00	91.35	85.20	0.00
2032	0.00	91.35	83.62	0.00
2021	0.00	91.34	85.59	0.00
2022	0.00	91.34	83.68	0.00
2011	0.00	91.33	85.98	0.00
2012	0.00	91.33	83.70	0.00
3011	0.00	89.34	83.81	0.00
3012	25.00	89.26	81.66	0.00
3031	0.00	86.94	81.04	0.00
3032	0.00	86.94	79.37	0.00
3041	0.00	85.71	80.21	0.00
3042	25.00	85.63	77.95	0.00
3051	0.00	85.04	79.43	0.00
3052	0.00	85.04	77.07	0.00
3071	0.00	79.14	72.73	0.00
3072	25.00	79.07	70.61	0.00
1071	0.00	79.34	73.26	0.00
1072	25.00	79.27	71.16	0.00
1051	0.00	85.39	79.87	0.00
1052	0.00	85.39	77.53	0.00
1041	0.00	86.07	80.15	0.00
1042	25.00	86.00	78.27	0.00
1031	0.00	87.33	79.62	0.00
1032	0.00	87.33	79.62	0.00
1011	0.00	89.76	84.38	0.00
1012	25.00	89.69	82.02	0.00
21	0.00	91.32	86.17	0.00
15	0.00	77.61	71.46	0.00
19	0.00	76.67	70.97	0.00
22	0.00	77.56	71.31	0.00
23	0.00	76.67	70.82	0.00
24	0.00	77.61	71.46	0.00
25	0.00	77.61	69.69	0.00
26	0.00	76.65	70.95	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
27	25.00	76.58	68.71	0.00
28	0.00	76.65	70.80	0.00
29	25.00	76.58	68.95	0.00

31	0.00	77.56	71.31	0.00
32	0.00	77.56	69.74	0.00
33	0.00	91.63	86.05	0.00
34	0.00	91.62	86.25	0.00
35	0.00	91.60	85.83	0.00
36	0.00	91.58	85.41	0.00
37	0.00	91.57	85.74	0.00
38	0.00	91.55	86.12	0.00
39	0.00	91.46	85.91	0.00
41	0.00	91.48	86.13	0.00
42	0.00	91.49	85.74	0.00
43	0.00	91.51	85.36	0.00
44	0.00	91.53	85.38	0.00
45	0.00	91.54	85.94	0.00
46	0.00	91.63	86.05	0.00
47	0.00	91.62	86.25	0.00
48	0.00	91.60	85.83	0.00
49	0.00	91.58	85.41	0.00
50	0.00	91.57	85.74	0.00
51	0.00	91.55	86.12	0.00
52	0.00	91.46	85.91	0.00
53	0.00	91.48	86.13	0.00
54	0.00	91.49	85.74	0.00
55	0.00	91.51	85.36	0.00
56	0.00	91.53	85.38	0.00
57	0.00	91.54	85.94	0.00
58	0.00	91.63	84.01	0.00
59	0.00	91.62	84.02	0.00
60	0.00	91.60	84.00	0.00
63	0.00	91.58	83.96	0.00
64	0.00	91.57	83.92	0.00
65	0.00	91.55	83.87	0.00
66	0.00	91.46	83.67	0.00
67	0.00	91.48	83.73	0.00
68	0.00	91.49	83.76	0.00
69	0.00	91.51	83.72	0.00
70	0.00	91.53	83.67	0.00
71	0.00	91.54	83.61	0.00
72	0.00	91.55	86.20	0.00
73	0.00	91.55	85.72	0.00
74	0.00	91.55	85.24	0.00
75	0.00	91.55	84.80	0.00
76	0.00	91.55	86.20	0.00
77	0.00	91.55	85.72	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
78	0.00	91.55	85.24	0.00	
79	0.00	91.55	84.80	0.00	
80	0.00	91.55	83.55	0.00	
81	0.00	91.55	83.60	0.00	
82	0.00	91.55	83.35	0.00	
83	0.00	91.55	83.35	0.00	
666	-200.00	7.30	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	7.29	0.14	0.09	Open
2	7.29	0.14	0.09	Open
3	7.29	0.14	0.10	Open
4	7.29	0.18	0.16	Open
5	7.29	0.18	0.18	Open
6	7.29	0.18	0.16	Open
7	7.29	0.18	0.16	Open
8	7.29	0.18	0.16	Open
9	7.29	0.18	0.16	Open
101	100.34	2.43	20.92	Open
102	75.34	1.83	12.31	Open
2000	92.37	1.77	15.06	Open
202	-7.29	0.14	0.10	Open
201	7.29	0.14	0.09	Open

205	-7.29	0.18	0.16	Open
204	7.29	0.18	0.16	Open
208	-7.29	0.18	0.16	Open
207	7.29	0.18	0.16	Open
103	75.34	1.83	12.31	Open
104	75.34	1.83	12.31	Open
105	50.34	1.22	7.05	Open
106	50.34	2.39	30.14	Open
107	50.34	2.39	30.14	Open
108	25.34	1.21	8.45	Open
302	-74.66	1.81	12.10	Open
301	-74.66	1.81	12.10	Open
304	74.66	1.81	12.10	Open
305	49.66	1.20	6.87	Open
307	-49.66	2.36	29.38	Open
1000	200.00	2.83	119.27	Open
1001	200.00	2.83	99.50	Open
40	200.00	2.83	853.31	Open
30	133.16	1.88	78.00	Open
10	66.55	0.94	19.97	Open

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Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
206	7.29	0.18	0.16	Open
203	7.29	0.18	0.16	Open
200	7.29	0.14	0.09	Open
306	49.66	2.36	29.38	Open
12	66.84	2.13	77.21	Open
13	66.61	2.12	76.69	Open
14	66.55	2.12	76.56	Open
15	66.55	3.77	919.07	Open
16	66.61	3.77	920.70	Open
17	66.84	3.78	927.08	Open
308	24.66	1.17	8.03	Open
11	99.66	2.42	20.65	Open
18	25.34	1.21	9.09	Open
19	25.34	1.21	9.34	Open
20	24.66	1.17	8.03	Open
23	24.66	1.17	8.87	Open
24	0.34	0.02	0.00	Open
36	7.29	0.18	0.18	Open
37	7.29	0.18	0.18	Open
38	7.29	0.18	0.16	Open
39	7.29	0.18	0.16	Open
43	7.29	0.18	0.16	Open
44	7.29	0.18	0.16	Open
45	7.29	0.18	0.19	Open
46	-7.29	0.18	0.16	Open
47	-7.29	0.18	0.16	Open
48	-7.29	0.18	0.16	Open
49	-7.29	0.18	0.16	Open
50	-7.29	0.18	0.16	Open
53	-7.29	0.18	0.18	Open
84	0.00	0.00	0.00	Open
85	0.00	0.00	0.00	Open
86	0.00	0.00	0.00	Open
87	0.00	0.00	0.00	Open
603	66.84	0.00	-88.11	Open Pump
602	66.61	0.00	-88.21	Open Pump
601	66.55	0.00	-88.24	Open Pump
2091	0.00	0.00	0.00	Active Valve
2092	0.00	0.00	0.00	Active Valve
91	0.00	0.00	0.00	Active Valve
92	0.00	0.00	0.00	Active Valve
1081	0.00	0.00	0.00	Active Valve
1082	0.00	0.00	0.00	Active Valve
3081	0.00	0.00	0.00	Active Valve
3082	0.00	0.00	0.00	Active Valve
1061	0.00	0.00	0.00	Active Valve
1062	0.00	0.00	0.00	Active Valve

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3061	0.00	0.00	0.00	Active Valve
3062	0.00	0.00	0.00	Active Valve
1021	0.00	0.00	0.00	Active Valve
1022	0.00	0.00	0.00	Active Valve
3021	0.00	0.00	0.00	Active Valve
3022	0.00	0.00	0.00	Active Valve
61	0.00	0.00	0.00	Active Valve
62	0.00	0.00	0.00	Active Valve
2061	0.00	0.00	0.00	Active Valve
2062	0.00	0.00	0.00	Active Valve
111	0.00	0.00	0.00	Active Valve
121	0.00	0.00	0.00	Active Valve
21	0.00	0.00	0.00	Active Valve
22	0.00	0.00	0.00	Active Valve
31	0.00	0.00	0.00	Active Valve
32	0.00	0.00	0.00	Active Valve
41	0.00	0.00	0.00	Active Valve
42	0.00	0.00	0.00	Active Valve
51	0.00	0.00	0.00	Active Valve
52	0.00	0.00	0.00	Active Valve
71	0.00	0.00	0.00	Active Valve
72	0.00	0.00	0.00	Active Valve
81	0.00	0.00	0.00	Active Valve
82	0.00	0.00	0.00	Active Valve
2081	0.00	0.00	0.00	Active Valve
2082	0.00	0.00	0.00	Active Valve
2071	0.00	0.00	0.00	Active Valve
2072	0.00	0.00	0.00	Active Valve
2051	0.00	0.00	0.00	Active Valve
2052	0.00	0.00	0.00	Active Valve
2041	0.00	0.00	0.00	Active Valve
2042	0.00	0.00	0.00	Active Valve
2031	0.00	0.00	0.00	Active Valve
2032	0.00	0.00	0.00	Active Valve
2021	0.00	0.00	0.00	Active Valve
2022	0.00	0.00	0.00	Active Valve
2011	0.00	0.00	0.00	Active Valve
2012	0.00	0.00	0.00	Active Valve
3011	25.00	1.19	0.02	Active Valve
3012	25.00	1.19	0.07	Active Valve
3031	0.00	0.00	0.00	Active Valve
3032	0.00	0.00	0.00	Active Valve
3041	25.00	1.19	0.02	Active Valve
3042	25.00	1.19	0.07	Active Valve
3051	0.00	0.00	0.00	Active Valve
3052	0.00	0.00	0.00	Active Valve
3071	25.00	1.19	0.02	Active Valve

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
3072	25.00	1.19	0.07	Active Valve
1071	25.00	1.19	0.02	Active Valve
1072	25.00	1.19	0.07	Active Valve
1051	0.00	0.00	0.00	Active Valve
1052	0.00	0.00	0.00	Active Valve
1041	25.00	1.19	0.02	Active Valve
1042	25.00	1.19	0.07	Active Valve
1031	0.00	0.00	0.00	Active Valve
1032	0.00	0.00	0.00	Active Valve
1011	25.00	1.19	0.02	Active Valve
1012	25.00	1.19	0.07	Active Valve
25	0.00	0.00	0.00	Active Valve
26	0.00	0.00	0.00	Active Valve
27	25.00	1.19	0.02	Active Valve
28	25.00	1.19	0.07	Active Valve
29	0.00	0.00	0.00	Active Valve
33	0.00	0.00	0.00	Active Valve
34	25.00	1.19	0.02	Active Valve
35	25.00	1.19	0.07	Active Valve
54	0.00	0.00	0.00	Active Valve

55	0.00	0.00	0.00	Active Valve
56	0.00	0.00	0.00	Active Valve
57	0.00	0.00	0.00	Active Valve
58	0.00	0.00	0.00	Active Valve
59	0.00	0.00	0.00	Active Valve
60	0.00	0.00	0.00	Active Valve
63	0.00	0.00	0.00	Active Valve
64	0.00	0.00	0.00	Active Valve
65	0.00	0.00	0.00	Active Valve
66	0.00	0.00	0.00	Active Valve
67	0.00	0.00	0.00	Active Valve
68	0.00	0.00	0.00	Active Valve
69	0.00	0.00	0.00	Active Valve
70	0.00	0.00	0.00	Active Valve
73	0.00	0.00	0.00	Active Valve
74	0.00	0.00	0.00	Active Valve
75	0.00	0.00	0.00	Active Valve
76	0.00	0.00	0.00	Active Valve
77	0.00	0.00	0.00	Active Valve
78	0.00	0.00	0.00	Active Valve
79	0.00	0.00	0.00	Active Valve
80	0.00	0.00	0.00	Active Valve
83	0.00	0.00	0.00	Active Valve
88	0.00	0.00	0.00	Active Valve
89	0.00	0.00	0.00	Active Valve
90	0.00	0.00	0.00	Active Valve
93	0.00	0.00	0.00	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
94	0.00	0.00	0.00	Active Valve
95	0.00	0.00	0.00	Active Valve
96	0.00	0.00	0.00	Active Valve
97	0.00	0.00	0.00	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

9. Comizio irriguo n.9

1. Ipotesi n.1: alimentazione delle otto utenze terminali dei rami della rete;

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                         Version 2.0                                *
**********************************************************************
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Input File: Linea_9_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.9	257.8
2	201	11	50	229.2
3	11	12	100	229.2
4	12	13	100	229.2
5	13	14	100	229.2
6	14	102	43.9	229.2
7	102	15	56.1	229.2
8	15	16	100	229.2
9	16	301	40.2	229.2
10	301	17	59.8	229.2
11	17	18	100	229.2
12	18	19	100	229.2
13	19	103	26	229.2
14	201	10	91.4	229.2
15	10	9	90	229.2
16	9	8	75	229.2
17	8	7	105	229.2
18	7	6	90	229.2
19	6	101	36.8	229.2
20	202	34	50.1	229.2
21	34	35	100	229.2
22	35	36	100	229.2
23	36	37	100	229.2
24	37	105	23.1	229.2
25	105	38	76.9	229.2
26	38	39	100	229.2
27	39	304	79.2	229.2
28	304	40	20.8	229.2
29	40	41	100	229.2
30	41	42	100	229.2
31	202	33	91.4	229.2
32	33	32	90	229.2
33	32	31	90	229.2
34	31	104	81.5	229.2
35	104	30	8.5	229.2
36	30	29	90	229.2
37	103	20	74	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	20	21	100	163.6
39	21	302	74.6	163.6
40	302	22	25.4	163.6
41	22	23	100	163.6
42	101	5	53.2	163.6
43	5	4	90	163.6
44	4	3	90	163.6
45	3	2	90	163.6
46	2	1	90	163.6
47	42	43	100	163.6
48	43	106	21.2	163.6
49	106	44	78.9	163.6
50	44	45	100	163.6
51	45	305	18.5	163.6
52	305	46	81.5	163.6
53	29	28	90	163.6
54	28	27	90	163.6

55	27	303	34.7	163.6	
56	303	26	55.3	163.6	
57	26	25	90	163.6	
58	25	24	90	163.6	
59	23	46	32.3	163.6	
60	1	24	25	163.6	
101	400	501	5	200	
102	400	502	5	200	
103	400	503	5	200	
104	504	507	2.05	150	
105	505	508	2.05	150	
106	506	509	2.05	150	
107	507	508	1.5	300	
108	508	509	1.5	300	
109	509	510	0.5	300	
110	510	511	3.8	300	
111	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	6	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	23	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	24	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	42	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	46	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.32	76.75	76.75	0.00
202	100.00	75.00	0.32	76.80	76.80	0.00
203	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	85.42	80.42	0.00
2	0.00	86.30	80.94	0.00
3	0.00	87.09	81.37	0.00
4	0.00	87.87	81.79	0.00
5	0.00	88.66	82.22	0.00
6	0.00	89.20	82.69	0.00
7	0.00	89.80	83.65	0.00
8	0.00	90.42	84.69	0.00
9	0.00	90.87	85.44	0.00
10	0.00	91.40	86.33	0.00
11	0.00	91.65	86.75	0.00
12	0.00	91.06	85.76	0.00
13	0.00	90.47	84.77	0.00
14	0.00	89.88	83.78	0.00
15	0.00	89.29	83.24	0.00
16	0.00	88.70	83.05	0.00
17	0.00	88.11	82.38	0.00

18	0.00	87.52	81.39	0.00
19	0.00	86.86	80.33	0.00
20	0.00	86.17	79.83	0.00
21	0.00	85.31	79.37	0.00
22	0.00	84.44	78.70	0.00
23	0.00	83.48	77.34	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
24	0.00	85.42	79.42	0.00
25	0.00	86.20	80.56	0.00
26	0.00	86.90	81.62	0.00
27	0.00	87.59	82.39	0.00
28	0.00	88.29	82.73	0.00
29	0.00	88.99	83.07	0.00
30	0.00	89.59	83.31	0.00
31	0.00	90.09	84.10	0.00
32	0.00	90.59	84.96	0.00
33	0.00	91.09	85.82	0.00
34	0.00	91.32	86.22	0.00
35	0.00	90.76	85.26	0.00
36	0.00	90.20	84.30	0.00
37	0.00	89.64	83.34	0.00
38	0.00	89.05	82.97	0.00
39	0.00	88.48	82.80	0.00
40	0.00	87.92	82.47	0.00
41	0.00	87.36	81.51	0.00
42	0.00	86.70	80.45	0.00
43	0.00	85.92	79.27	0.00
44	0.00	85.13	78.71	0.00
45	0.00	84.35	78.33	0.00
46	0.00	83.48	76.88	0.00
101	0.00	89.13	82.48	0.00
102	0.00	89.62	83.34	0.00
103	0.00	86.81	80.18	0.00
104	0.00	89.63	83.32	0.00
105	0.00	89.48	83.09	0.00
106	0.00	85.75	79.02	0.00
201	0.00	91.95	87.25	0.00
202	0.00	91.60	86.70	0.00
301	0.00	88.46	82.97	0.00
302	0.00	84.66	79.02	0.00
303	0.00	87.32	82.26	0.00
304	0.00	88.04	82.67	0.00
305	0.00	84.20	78.26	0.00
501	0.00	7.11	-1.54	0.00
502	0.00	7.11	-1.54	0.00
503	0.00	7.10	-1.55	0.00
504	0.00	95.35	86.70	0.00
505	0.00	95.32	86.67	0.00
506	0.00	95.22	86.57	0.00
507	0.00	93.46	82.78	0.00
508	0.00	93.43	82.75	0.00
509	0.00	93.32	82.64	0.00
510	0.00	92.89	86.02	0.00
511	0.00	92.54	85.67	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
601	0.00	85.40	80.40	0.00
602	25.00	85.32	77.96	0.00
603	0.00	89.17	82.66	0.00
604	25.00	89.10	81.04	0.00
605	0.00	86.84	80.31	0.00
606	25.00	86.76	78.65	0.00
607	0.00	83.46	77.32	0.00
608	25.00	83.39	75.10	0.00
609	0.00	85.40	79.40	0.00
610	25.00	85.32	77.88	0.00

611	0.00	88.96	83.04	0.00	
612	25.00	88.89	81.16	0.00	
613	0.00	86.68	80.43	0.00	
614	25.00	86.61	78.56	0.00	
615	0.00	83.46	76.86	0.00	
616	25.00	83.39	74.76	0.00	
400	-200.00	7.49	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	98.52	1.89	14.29	Open
2	50.66	1.23	5.90	Open
3	50.66	1.23	5.90	Open
4	50.66	1.23	5.90	Open
5	50.66	1.23	5.90	Open
6	50.66	1.23	5.90	Open
7	50.66	1.23	5.90	Open
8	50.66	1.23	5.90	Open
9	50.66	1.23	5.90	Open
10	50.66	1.23	5.90	Open
11	50.66	1.23	5.90	Open
12	50.66	1.23	6.59	Open
13	25.66	0.62	1.98	Open
14	50.82	1.23	5.93	Open
15	50.82	1.23	5.93	Open
16	50.82	1.23	5.93	Open
17	50.82	1.23	5.93	Open
18	50.82	1.23	6.71	Open
19	25.82	0.63	1.91	Open
20	49.34	1.20	5.62	Open
21	49.34	1.20	5.62	Open
22	49.34	1.20	5.62	Open
23	49.34	1.20	5.62	Open
24	49.34	1.20	6.88	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
25	49.34	1.20	5.62	Open
26	49.34	1.20	5.62	Open
27	49.34	1.20	5.62	Open
28	49.34	1.20	5.62	Open
29	49.34	1.20	5.62	Open
30	49.34	1.20	6.57	Open
31	49.18	1.19	5.59	Open
32	49.18	1.19	5.59	Open
33	49.18	1.19	5.59	Open
34	49.18	1.19	5.59	Open
35	49.18	1.19	5.59	Open
36	49.18	1.19	6.63	Open
37	25.66	1.22	8.65	Open
38	25.66	1.22	8.65	Open
39	25.66	1.22	8.65	Open
40	25.66	1.22	8.65	Open
41	25.66	1.22	9.56	Open
42	25.82	1.23	8.75	Open
43	25.82	1.23	8.75	Open
44	25.82	1.23	8.75	Open
45	25.82	1.23	8.75	Open
46	25.82	1.23	9.77	Open
47	24.34	1.16	7.84	Open
48	24.34	1.16	7.84	Open
49	24.34	1.16	7.84	Open
50	24.34	1.16	7.84	Open
51	24.34	1.16	7.84	Open
52	24.34	1.16	8.85	Open
53	24.18	1.15	7.75	Open
54	24.18	1.15	7.75	Open
55	24.18	1.15	7.75	Open
56	24.18	1.15	7.75	Open
57	24.18	1.15	7.75	Open
58	24.18	1.15	8.65	Open

59	0.66	0.03	0.01	Open
60	0.82	0.04	0.02	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.07	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.96	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.29	Open
110	200.00	2.83	91.37	Open
111	200.00	2.83	119.27	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
201	66.55	0.00	-88.24	Open Pump
202	66.61	0.00	-88.21	Open Pump
203	66.84	0.00	-88.11	Open Pump
601	25.00	1.19	0.02	Active Valve
602	25.00	1.19	0.07	Active Valve
603	25.00	1.19	0.02	Active Valve
604	25.00	1.19	0.07	Active Valve
605	25.00	1.19	0.02	Active Valve
606	25.00	1.19	0.07	Active Valve
607	25.00	1.19	0.02	Active Valve
608	25.00	1.19	0.07	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve
611	25.00	1.19	0.02	Active Valve
612	25.00	1.19	0.07	Active Valve
613	25.00	1.19	0.02	Active Valve
614	25.00	1.19	0.07	Active Valve
615	25.00	1.19	0.02	Active Valve
616	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

9. *Comizio irriguo n.9*
    2. Ipotesi n.2: alimentazione di n.8 utenze dei rami nord e sud a est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                   Hydraulic and Water Quality                     *
*                   Analysis for Pipe Networks                      *
*                         Version 2.0                               *
*********************************************************************
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Input File: Linea_9_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.9	257.8
2	201	11	50	229.2
3	11	12	100	229.2
4	12	13	100	229.2
5	13	14	100	229.2
6	14	102	43.9	229.2
7	102	15	56.1	229.2
8	15	16	100	229.2
9	16	301	40.2	229.2
10	301	17	59.8	229.2
11	17	18	100	229.2
12	18	19	100	229.2
13	19	103	26	229.2
14	201	10	91.4	229.2
15	10	9	90	229.2
16	9	8	75	229.2
17	8	7	105	229.2
18	7	6	90	229.2
19	6	101	36.8	229.2
20	202	34	50.1	229.2
21	34	35	100	229.2
22	35	36	100	229.2
23	36	37	100	229.2
24	37	105	23.1	229.2
25	105	38	76.9	229.2
26	38	39	100	229.2
27	39	304	79.2	229.2
28	304	40	20.8	229.2
29	40	41	100	229.2
30	41	42	100	229.2
31	202	33	91.4	229.2
32	33	32	90	229.2
33	32	31	90	229.2
34	31	104	81.5	229.2
35	104	30	8.5	229.2
36	30	29	90	229.2
37	103	20	74	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	20	21	100	163.6
39	21	302	74.6	163.6
40	302	22	25.4	163.6
41	22	23	100	163.6
42	101	5	53.2	163.6
43	5	4	90	163.6
44	4	3	90	163.6
45	3	2	90	163.6
46	2	1	90	163.6
47	42	43	100	163.6
48	43	106	21.2	163.6
49	106	44	78.9	163.6
50	44	45	100	163.6
51	45	305	18.5	163.6
52	305	46	81.5	163.6
53	29	28	90	163.6
54	28	27	90	163.6

55	27	303	34.7	163.6	
56	303	26	55.3	163.6	
57	26	25	90	163.6	
58	25	24	90	163.6	
59	23	46	32.3	163.6	
60	1	24	25	163.6	
101	400	501	5	200	
102	400	502	5	200	
103	400	503	5	200	
104	504	507	2.05	150	
105	505	508	2.05	150	
106	506	509	2.05	150	
107	507	508	1.5	300	
108	508	509	1.5	300	
109	509	510	0.5	300	
110	510	511	3.8	300	
111	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	6	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	23	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	24	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	42	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	46	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	15	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	38	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	11	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	34	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.32	76.75	76.75	0.00
202	100.00	75.00	0.32	76.80	76.80	0.00
203	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	91.79	86.79	0.00
2	0.00	91.82	86.46	0.00
3	0.00	91.85	86.13	0.00
4	0.00	91.88	85.80	0.00
5	0.00	91.90	85.46	0.00
6	0.00	91.92	85.41	0.00
7	0.00	91.92	85.77	0.00
8	0.00	91.93	86.20	0.00
9	0.00	91.94	86.51	0.00

Node ID	Demand LPS	Head m	Pressure m	Quality
10	0.00	91.94	86.87	0.00
11	0.00	90.89	85.99	0.00
12	0.00	89.66	84.36	0.00
13	0.00	88.42	82.72	0.00
14	0.00	87.18	81.08	0.00
15	0.00	85.94	79.89	0.00

Page 4
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
16	0.00	85.35	79.70	0.00
17	0.00	84.76	79.03	0.00
18	0.00	84.17	78.04	0.00
19	0.00	83.51	76.98	0.00
20	0.00	82.82	76.48	0.00
21	0.00	81.96	76.02	0.00
22	0.00	81.10	75.36	0.00
23	0.00	80.15	74.01	0.00
24	0.00	91.79	85.79	0.00
25	0.00	91.76	86.12	0.00
26	0.00	91.73	86.45	0.00
27	0.00	91.70	86.50	0.00
28	0.00	91.68	86.12	0.00
29	0.00	91.65	85.73	0.00
30	0.00	91.65	85.37	0.00
31	0.00	91.64	85.65	0.00
32	0.00	91.64	86.01	0.00
33	0.00	91.63	86.36	0.00
34	0.00	90.60	85.50	0.00
35	0.00	89.39	83.89	0.00
36	0.00	88.19	82.29	0.00
37	0.00	86.99	80.69	0.00
38	0.00	85.72	79.64	0.00
39	0.00	85.16	79.48	0.00
40	0.00	84.60	79.15	0.00
41	0.00	84.03	78.18	0.00
42	0.00	83.38	77.13	0.00
43	0.00	82.59	75.94	0.00
44	0.00	81.80	75.38	0.00
45	0.00	81.02	75.00	0.00
46	0.00	80.15	73.55	0.00
101	0.00	91.92	85.27	0.00
102	0.00	86.63	80.35	0.00
103	0.00	83.46	76.83	0.00
104	0.00	91.64	85.33	0.00
105	0.00	86.65	80.26	0.00
106	0.00	82.42	75.69	0.00
201	0.00	91.95	87.25	0.00
202	0.00	91.62	86.72	0.00
301	0.00	85.11	79.62	0.00
302	0.00	81.32	75.68	0.00
303	0.00	91.71	86.65	0.00
304	0.00	84.71	79.34	0.00
305	0.00	80.87	74.93	0.00
501	0.00	7.11	-1.54	0.00
502	0.00	7.11	-1.54	0.00
503	0.00	7.10	-1.55	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
504	0.00	95.35	86.70	0.00
505	0.00	95.32	86.67	0.00
506	0.00	95.22	86.57	0.00
507	0.00	93.46	82.78	0.00
508	0.00	93.43	82.75	0.00
509	0.00	93.32	82.64	0.00
510	0.00	92.89	86.02	0.00
511	0.00	92.54	85.67	0.00
601	0.00	91.79	86.79	0.00
602	0.00	91.79	84.43	0.00

603	0.00	91.92	85.41	0.00	
604	0.00	91.92	83.86	0.00	
605	0.00	83.49	76.96	0.00	
606	25.00	83.42	75.31	0.00	
607	0.00	80.12	73.98	0.00	
608	25.00	80.05	71.76	0.00	
609	0.00	91.79	85.79	0.00	
610	0.00	91.79	84.35	0.00	
611	0.00	91.65	85.73	0.00	
612	0.00	91.65	83.92	0.00	
613	0.00	83.35	77.10	0.00	
614	25.00	83.28	75.23	0.00	
615	0.00	80.12	73.52	0.00	
616	25.00	80.05	71.42	0.00	
617	0.00	85.91	79.86	0.00	
618	25.00	85.84	78.04	0.00	
619	0.00	85.70	79.62	0.00	
620	25.00	85.62	77.80	0.00	
621	0.00	90.87	85.97	0.00	
622	25.00	90.80	83.28	0.00	
623	0.00	90.57	85.47	0.00	
624	25.00	90.50	82.64	0.00	
400	-200.00	7.49	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	95.26	1.82	13.41	Open
2	100.62	2.44	21.03	Open
3	75.62	1.83	12.39	Open
4	75.62	1.83	12.39	Open
5	75.62	1.83	12.39	Open
6	75.62	1.83	12.39	Open
7	75.62	1.83	12.39	Open
8	50.62	1.23	5.89	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
9	50.62	1.23	5.89	Open
10	50.62	1.23	5.89	Open
11	50.62	1.23	5.89	Open
12	50.62	1.23	6.58	Open
13	25.62	0.62	1.97	Open
14	4.13	0.10	0.06	Open
15	4.13	0.10	0.06	Open
16	4.13	0.10	0.06	Open
17	4.13	0.10	0.06	Open
18	4.13	0.10	0.06	Open
19	4.13	0.10	0.06	Open
20	99.38	2.41	20.55	Open
21	74.38	1.80	12.02	Open
22	74.38	1.80	12.02	Open
23	74.38	1.80	12.02	Open
24	74.38	1.80	14.88	Open
25	74.38	1.80	12.02	Open
26	49.38	1.20	5.63	Open
27	49.38	1.20	5.63	Open
28	49.38	1.20	5.63	Open
29	49.38	1.20	5.63	Open
30	49.38	1.20	6.58	Open
31	-4.13	0.10	0.06	Open
32	-4.13	0.10	0.06	Open
33	-4.13	0.10	0.06	Open
34	-4.13	0.10	0.06	Open
35	-4.13	0.10	0.06	Open
36	-4.13	0.10	0.06	Open
37	25.62	1.22	8.62	Open
38	25.62	1.22	8.62	Open
39	25.62	1.22	8.62	Open
40	25.62	1.22	8.62	Open
41	25.62	1.22	9.53	Open
42	4.13	0.20	0.29	Open

43	4.13	0.20	0.29	Open
44	4.13	0.20	0.29	Open
45	4.13	0.20	0.29	Open
46	4.13	0.20	0.32	Open
47	24.38	1.16	7.87	Open
48	24.38	1.16	7.87	Open
49	24.38	1.16	7.87	Open
50	24.38	1.16	7.87	Open
51	24.38	1.16	7.87	Open
52	24.38	1.16	8.88	Open
53	-4.13	0.20	0.29	Open
54	-4.13	0.20	0.29	Open
55	-4.13	0.20	0.29	Open

Page 7
Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
56	-4.13	0.20	0.29	Open
57	-4.13	0.20	0.29	Open
58	-4.13	0.20	0.32	Open
59	0.62	0.03	0.01	Open
60	4.13	0.20	0.32	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.07	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.96	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.31	Open
110	200.00	2.83	91.37	Open
111	200.00	2.83	119.27	Open
201	66.55	0.00	-88.24	Open Pump
202	66.61	0.00	-88.21	Open Pump
203	66.84	0.00	-88.11	Open Pump
601	0.00	0.00	0.00	Active Valve
602	0.00	0.00	0.00	Active Valve
603	0.00	0.00	0.00	Active Valve
604	0.00	0.00	0.00	Active Valve
605	25.00	1.19	0.02	Active Valve
606	25.00	1.19	0.07	Active Valve
607	25.00	1.19	0.02	Active Valve
608	25.00	1.19	0.07	Active Valve
609	0.00	0.00	0.00	Active Valve
610	0.00	0.00	0.00	Active Valve
611	0.00	0.00	0.00	Active Valve
612	0.00	0.00	0.00	Active Valve
613	25.00	1.19	0.02	Active Valve
614	25.00	1.19	0.07	Active Valve
615	25.00	1.19	0.02	Active Valve
616	25.00	1.19	0.07	Active Valve
617	25.00	1.19	0.02	Active Valve
618	25.00	1.19	0.07	Active Valve
619	25.00	1.19	0.02	Active Valve
620	25.00	1.19	0.07	Active Valve
621	25.00	1.19	0.02	Active Valve
622	25.00	1.19	0.07	Active Valve
623	25.00	1.19	0.02	Active Valve
624	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

9. Comizio irriguo n.9

3. Ipotesi n.3: alimentazione di n.8 utenze dei rami nord e sud a ovest della stazione di sollevamento.

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**********************************************************************
*                          E P A N E T                               *
*                   Hydraulic and Water Quality                      *
*                   Analysis for Pipe Networks                       *
*                         Version 2.0                                *
**********************************************************************
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Input File: Linea_9_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	23.9	257.8
2	201	11	50	229.2
3	11	12	100	229.2
4	12	13	100	229.2
5	13	14	100	229.2
6	14	102	43.9	229.2
7	102	15	56.1	229.2
8	15	16	100	229.2
9	16	301	40.2	229.2
10	301	17	59.8	229.2
11	17	18	100	229.2
12	18	19	100	229.2
13	19	103	26	229.2
14	201	10	91.4	229.2
15	10	9	90	229.2
16	9	8	75	229.2
17	8	7	105	229.2
18	7	6	90	229.2
19	6	101	36.8	229.2
20	202	34	50.1	229.2
21	34	35	100	229.2
22	35	36	100	229.2
23	36	37	100	229.2
24	37	105	23.1	229.2
25	105	38	76.9	229.2
26	38	39	100	229.2
27	39	304	79.2	229.2
28	304	40	20.8	229.2
29	40	41	100	229.2
30	41	42	100	229.2
31	202	33	91.4	229.2
32	33	32	90	229.2
33	32	31	90	229.2
34	31	104	81.5	229.2
35	104	30	8.5	229.2
36	30	29	90	229.2
37	103	20	74	163.6

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	20	21	100	163.6
39	21	302	74.6	163.6
40	302	22	25.4	163.6
41	22	23	100	163.6
42	101	5	53.2	163.6
43	5	4	90	163.6
44	4	3	90	163.6
45	3	2	90	163.6
46	2	1	90	163.6
47	42	43	100	163.6
48	43	106	21.2	163.6
49	106	44	78.9	163.6
50	44	45	100	163.6
51	45	305	18.5	163.6
52	305	46	81.5	163.6
53	29	28	90	163.6
54	28	27	90	163.6

55	27	303	34.7	163.6	
56	303	26	55.3	163.6	
57	26	25	90	163.6	
58	25	24	90	163.6	
59	23	46	32.3	163.6	
60	1	24	25	163.6	
101	400	501	5	200	
102	400	502	5	200	
103	400	503	5	200	
104	504	507	2.05	150	
105	505	508	2.05	150	
106	506	509	2.05	150	
107	507	508	1.5	300	
108	508	509	1.5	300	
109	509	510	0.5	300	
110	510	511	3.8	300	
111	511	201	5	300	
201	501	504	#N/A	#N/A	Pump
202	502	505	#N/A	#N/A	Pump
203	503	506	#N/A	#N/A	Pump
601	1	601	#N/A	163.6	Valve
602	601	602	#N/A	163.6	Valve
603	6	603	#N/A	163.6	Valve
604	603	604	#N/A	163.6	Valve
605	19	605	#N/A	163.6	Valve
606	605	606	#N/A	163.6	Valve
607	23	607	#N/A	163.6	Valve
608	607	608	#N/A	163.6	Valve
609	24	609	#N/A	163.6	Valve
610	609	610	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
611	29	611	#N/A	163.6	Valve
612	611	612	#N/A	163.6	Valve
613	42	613	#N/A	163.6	Valve
614	613	614	#N/A	163.6	Valve
615	46	615	#N/A	163.6	Valve
616	615	616	#N/A	163.6	Valve
617	15	617	#N/A	163.6	Valve
618	617	618	#N/A	163.6	Valve
619	38	619	#N/A	163.6	Valve
620	619	620	#N/A	163.6	Valve
621	11	621	#N/A	163.6	Valve
622	621	622	#N/A	163.6	Valve
623	34	623	#N/A	163.6	Valve
624	623	624	#N/A	163.6	Valve
625	10	625	#N/A	163.6	Valve
626	625	626	#N/A	163.6	Valve
627	33	627	#N/A	163.6	Valve
628	627	628	#N/A	163.6	Valve
629	7	629	#N/A	163.6	Valve
630	629	630	#N/A	163.6	Valve
631	30	631	#N/A	163.6	Valve
632	631	632	#N/A	163.6	Valve
633	4	633	#N/A	163.6	Valve
634	633	634	#N/A	163.6	Valve
635	27	635	#N/A	163.6	Valve
636	635	636	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
201	100.00	75.00	0.32	76.75	76.75	0.00
202	100.00	75.00	0.32	76.80	76.80	0.00
203	100.00	75.00	0.32	76.98	76.98	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Page 4
Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	78.76	73.76	0.00
2	0.00	79.67	74.31	0.00
3	0.00	80.48	74.76	0.00
4	0.00	81.29	75.21	0.00
5	0.00	84.09	77.65	0.00
6	0.00	86.00	79.49	0.00
7	0.00	86.61	80.46	0.00
8	0.00	87.93	82.20	0.00
9	0.00	88.87	83.44	0.00
10	0.00	90.00	84.93	0.00
11	0.00	91.94	87.04	0.00
12	0.00	91.94	86.64	0.00
13	0.00	91.93	86.23	0.00
14	0.00	91.93	85.83	0.00
15	0.00	91.92	85.87	0.00
16	0.00	91.92	86.27	0.00
17	0.00	91.91	86.18	0.00
18	0.00	91.91	85.78	0.00
19	0.00	91.90	85.37	0.00
20	0.00	91.88	85.54	0.00
21	0.00	91.85	85.91	0.00
22	0.00	91.82	86.08	0.00
23	0.00	91.79	85.65	0.00
24	0.00	78.76	72.76	0.00
25	0.00	79.52	73.88	0.00
26	0.00	80.19	74.91	0.00
27	0.00	80.87	75.67	0.00
28	0.00	83.43	77.87	0.00
29	0.00	85.99	80.07	0.00
30	0.00	86.57	80.29	0.00
31	0.00	87.64	81.65	0.00
32	0.00	88.70	83.07	0.00
33	0.00	89.77	84.50	0.00
34	0.00	91.63	86.53	0.00
35	0.00	91.64	86.14	0.00
36	0.00	91.64	85.74	0.00
37	0.00	91.65	85.35	0.00
38	0.00	91.65	85.57	0.00
39	0.00	91.66	85.98	0.00
40	0.00	91.66	86.21	0.00
41	0.00	91.67	85.82	0.00
42	0.00	91.67	85.42	0.00
43	0.00	91.70	85.05	0.00
44	0.00	91.73	85.31	0.00
45	0.00	91.76	85.74	0.00
46	0.00	91.78	85.18	0.00
101	0.00	85.74	79.09	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
102	0.00	91.92	85.64	0.00
103	0.00	91.90	85.27	0.00
104	0.00	86.67	80.36	0.00
105	0.00	91.65	85.26	0.00
106	0.00	91.71	84.98	0.00
201	0.00	91.95	87.25	0.00
202	0.00	91.63	86.73	0.00
301	0.00	91.91	86.42	0.00
302	0.00	91.83	86.19	0.00
303	0.00	80.61	75.55	0.00
304	0.00	91.66	86.29	0.00
305	0.00	91.76	85.82	0.00
501	0.00	7.11	-1.54	0.00
502	0.00	7.11	-1.54	0.00
503	0.00	7.10	-1.55	0.00
504	0.00	95.35	86.70	0.00
505	0.00	95.32	86.67	0.00
506	0.00	95.22	86.57	0.00

507	0.00	93.46	82.78	0.00
508	0.00	93.43	82.75	0.00
509	0.00	93.32	82.64	0.00
510	0.00	92.89	86.02	0.00
511	0.00	92.54	85.67	0.00
601	0.00	78.74	73.74	0.00
602	25.00	78.66	71.30	0.00
603	0.00	86.00	79.49	0.00
604	0.00	86.00	77.94	0.00
605	0.00	91.90	85.37	0.00
606	0.00	91.90	83.79	0.00
607	0.00	91.79	85.65	0.00
608	0.00	91.79	83.50	0.00
609	0.00	78.74	72.74	0.00
610	25.00	78.66	71.22	0.00
611	0.00	85.99	80.07	0.00
612	0.00	85.99	78.26	0.00
613	0.00	91.67	85.42	0.00
614	0.00	91.67	83.62	0.00
615	0.00	91.78	85.18	0.00
616	0.00	91.78	83.15	0.00
617	0.00	91.92	85.87	0.00
618	0.00	91.92	84.12	0.00
619	0.00	91.65	85.57	0.00
620	0.00	91.65	83.83	0.00
621	0.00	91.94	87.04	0.00
622	0.00	91.94	84.42	0.00
623	0.00	91.63	86.53	0.00
624	0.00	91.63	83.77	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
625	0.00	89.98	84.91	0.00	
626	25.00	89.90	82.40	0.00	
627	0.00	89.75	84.48	0.00	
628	25.00	89.67	81.80	0.00	
629	0.00	86.58	80.43	0.00	
630	25.00	86.51	78.63	0.00	
631	0.00	86.55	80.27	0.00	
632	25.00	86.48	78.69	0.00	
633	0.00	81.26	75.18	0.00	
634	25.00	81.19	73.44	0.00	
635	0.00	80.84	75.64	0.00	
636	25.00	80.77	73.19	0.00	
400	-200.00	7.49	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
1	94.81	1.82	13.29	Open
2	3.97	0.10	0.05	Open
3	3.97	0.10	0.05	Open
4	3.97	0.10	0.05	Open
5	3.97	0.10	0.05	Open
6	3.97	0.10	0.05	Open
7	3.97	0.10	0.05	Open
8	3.97	0.10	0.05	Open
9	3.97	0.10	0.05	Open
10	3.97	0.10	0.05	Open
11	3.97	0.10	0.05	Open
12	3.97	0.10	0.06	Open
13	3.97	0.10	0.06	Open
14	101.22	2.45	21.26	Open
15	76.22	1.85	12.57	Open
16	76.22	1.85	12.57	Open
17	76.22	1.85	12.57	Open
18	51.22	1.24	6.81	Open
19	51.22	1.24	6.87	Open
20	-3.97	0.10	0.05	Open
21	-3.97	0.10	0.05	Open
22	-3.97	0.10	0.05	Open
23	-3.97	0.10	0.05	Open

24	-3.97	0.10	0.06	Open
25	-3.97	0.10	0.05	Open
26	-3.97	0.10	0.05	Open
27	-3.97	0.10	0.05	Open
28	-3.97	0.10	0.05	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
29	-3.97	0.10	0.05	Open
30	-3.97	0.10	0.06	Open
31	98.78	2.39	20.32	Open
32	73.78	1.79	11.84	Open
33	73.78	1.79	11.84	Open
34	73.78	1.79	11.84	Open
35	73.78	1.79	11.84	Open
36	48.78	1.18	6.53	Open
37	3.97	0.19	0.27	Open
38	3.97	0.19	0.27	Open
39	3.97	0.19	0.27	Open
40	3.97	0.19	0.27	Open
41	3.97	0.19	0.29	Open
42	51.22	2.44	31.11	Open
43	51.22	2.44	31.11	Open
44	26.22	1.25	9.00	Open
45	26.22	1.25	9.00	Open
46	26.22	1.25	10.06	Open
47	-3.97	0.19	0.27	Open
48	-3.97	0.19	0.27	Open
49	-3.97	0.19	0.27	Open
50	-3.97	0.19	0.27	Open
51	-3.97	0.19	0.27	Open
52	-3.97	0.19	0.30	Open
53	48.78	2.32	28.43	Open
54	48.78	2.32	28.43	Open
55	23.78	1.13	7.51	Open
56	23.78	1.13	7.52	Open
57	23.78	1.13	7.51	Open
58	23.78	1.13	8.38	Open
59	3.97	0.19	0.29	Open
60	1.22	0.06	0.03	Open
101	66.55	2.12	76.56	Open
102	66.61	2.12	76.69	Open
103	66.84	2.13	77.21	Open
104	66.55	3.77	919.07	Open
105	66.61	3.77	920.70	Open
106	66.84	3.78	927.08	Open
107	66.55	0.94	19.96	Open
108	133.16	1.88	78.01	Open
109	200.00	2.83	853.31	Open
110	200.00	2.83	91.37	Open
111	200.00	2.83	119.27	Open
201	66.55	0.00	-88.24	Open Pump
202	66.61	0.00	-88.21	Open Pump
203	66.84	0.00	-88.11	Open Pump
601	25.00	1.19	0.02	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
602	25.00	1.19	0.07	Active Valve
603	0.00	0.00	0.00	Active Valve
604	0.00	0.00	0.00	Active Valve
605	0.00	0.00	0.00	Active Valve
606	0.00	0.00	0.00	Active Valve
607	0.00	0.00	0.00	Active Valve
608	0.00	0.00	0.00	Active Valve
609	25.00	1.19	0.02	Active Valve
610	25.00	1.19	0.07	Active Valve
611	0.00	0.00	0.00	Active Valve
612	0.00	0.00	0.00	Active Valve

613	0.00	0.00	0.00	Active Valve
614	0.00	0.00	0.00	Active Valve
615	0.00	0.00	0.00	Active Valve
616	0.00	0.00	0.00	Active Valve
617	0.00	0.00	0.00	Active Valve
618	0.00	0.00	0.00	Active Valve
619	0.00	0.00	0.00	Active Valve
620	0.00	0.00	0.00	Active Valve
621	0.00	0.00	0.00	Active Valve
622	0.00	0.00	0.00	Active Valve
623	0.00	0.00	0.00	Active Valve
624	0.00	0.00	0.00	Active Valve
625	25.00	1.19	0.02	Active Valve
626	25.00	1.19	0.07	Active Valve
627	25.00	1.19	0.02	Active Valve
628	25.00	1.19	0.07	Active Valve
629	25.00	1.19	0.02	Active Valve
630	25.00	1.19	0.07	Active Valve
631	25.00	1.19	0.02	Active Valve
632	25.00	1.19	0.07	Active Valve
633	25.00	1.19	0.02	Active Valve
634	25.00	1.19	0.07	Active Valve
635	25.00	1.19	0.02	Active Valve
636	25.00	1.19	0.07	Active Valve

All.3 Report di calcolo dimensionamento in moto permanente

10. Comizio irriguo n.10

1. Ipotesi n.1: alimentazione delle dieci utenze terminali dei rami della rete per entrambe le linee: “Linea 1” e “Linea 2”;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
```

Input File: Linea_10_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 1.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	10.5	257.8
2	202	111	34.4	257.8
3	111	10	7	257.8
4	201	112	23.4	257.8
5	112	113	7	257.8
6	202	203	20.3	257.8
7	203	118	30	257.8
8	118	119	48	257.8
9	119	61	399.1	257.8
10	113	11	19.4	229.2
11	11	12	100	229.2
12	12	13	100	229.2
13	13	103	68.4	229.2
14	103	14	31.6	229.2
15	14	15	100	229.2
16	15	16	100	229.2
17	16	114	4.6	229.2
18	10	9	100	229.2
19	9	8	100	229.2
20	8	102	11.1	229.2
21	102	7	88.9	229.2
22	7	6	100	229.2
23	6	110	60.7	229.2
24	110	5	39.3	229.2
25	5	101	98.1	229.2
26	101	4	1.9	163.6
27	203	31	59.1	229.2
28	31	32	100	229.2
29	32	33	100	229.2
30	33	106	37.8	229.2
31	106	34	62.2	229.2
32	34	35	100	229.2
33	35	120	83.3	229.2
34	50	51	90	229.2
35	51	304	77.9	229.2
36	304	52	12.1	229.2
37	52	53	90	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	53	54	90	229.2
39	54	55	90	229.2
40	55	305	17.6	229.2
41	305	56	72.4	229.2
42	56	57	90	229.2
43	50	49	100	229.2
44	49	303	32.7	229.2
45	303	48	67.3	229.2
46	48	47	100	229.2
47	47	46	100	229.2
48	46	302	31.9	229.2
49	302	45	68.1	229.2
50	45	44	99.4	229.2
51	114	17	95.4	163.6
52	17	18	100	163.6
53	18	19	100	163.6
54	19	39	28.2	163.6

55	4	3	100	163.6	
56	3	109	40.6	163.6	
57	109	2	59.4	163.6	
58	2	1	100	163.6	
59	1	21	28.3	163.6	
60	120	36	16.7	163.6	
61	36	37	100	163.6	
62	37	38	100	163.6	
63	38	39	100	163.6	
64	57	58	90	163.6	
65	58	306	47.7	163.6	
66	306	121	5	163.6	
67	121	59	37.3	163.6	
68	59	60	90	163.6	
69	44	43	100.6	163.6	
70	43	301	32.5	163.6	
71	301	107	15	163.6	
72	107	42	52.5	163.6	
73	42	41	100	163.6	
74	41	40	87.9	163.6	
75	203	30	40.7	229.2	
76	30	29	100	229.2	
77	29	28	100	229.2	
78	28	105	42.6	229.2	
79	105	27	57.4	229.2	
80	27	26	100	229.2	
81	26	25	100	229.2	
82	25	117	29.2	229.2	
83	117	24	70.8	163.6	
84	24	104	19.3	163.6	

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
85	104	23	80.7	163.6	
86	23	116	16.9	163.6	
87	116	22	83.1	163.6	
88	22	21	100	163.6	
89	19	115	67.5	130.8	
90	115	20	314.1	130.8	
91	400	501	5	200	
92	400	502	5	200	
93	400	503	5	200	
94	400	504	5	200	
99	505	509	2.05	150	
100	506	510	2.05	150	
101	507	511	2.05	150	
102	508	512	2.05	150	
103	509	510	1.5	300	
104	510	511	1.5	300	
105	511	512	1.5	300	
106	512	513	3	300	
107	513	514	4	300	
108	514	201	5	300	
95	61	62	2.9	257.8	
96	62	63	13.1	257.8	
97	63	64	3.26	257.8	
98	64	50	235.9	257.8	
601	501	505	#N/A	#N/A	Pump
602	502	506	#N/A	#N/A	Pump
603	503	507	#N/A	#N/A	Pump
604	504	508	#N/A	#N/A	Pump
801	20	701	#N/A	163.5	Valve
802	701	702	#N/A	163.5	Valve
803	39	703	#N/A	163.6	Valve
804	703	704	#N/A	163.6	Valve
805	1	705	#N/A	163.6	Valve
806	705	706	#N/A	163.6	Valve
807	21	707	#N/A	163.6	Valve
808	707	708	#N/A	163.6	Valve
809	26	709	#N/A	163.6	Valve
810	709	710	#N/A	163.6	Valve
811	15	711	#N/A	163.6	Valve
812	711	712	#N/A	163.6	Valve
813	40	713	#N/A	163.6	Valve

814	713	714	#N/A	163.6	Valve
815	45	715	#N/A	163.6	Valve
816	715	716	#N/A	163.6	Valve
817	55	717	#N/A	163.6	Valve
818	717	718	#N/A	163.6	Valve
819	60	719	#N/A	163.6	Valve

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
820	719	720	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.33	73.34	73.34	0.00
602	100.00	75.00	0.33	73.37	73.37	0.00
603	100.00	75.00	0.33	73.51	73.51	0.00
604	100.00	75.00	0.33	73.88	73.88	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	87.17	80.90	0.00
2	0.00	88.47	82.60	0.00
3	0.00	89.64	83.85	0.00
4	0.00	90.81	84.62	0.00
5	0.00	91.06	85.25	0.00
6	0.00	91.29	85.40	0.00
7	0.00	91.51	85.22	0.00
8	0.00	91.74	85.14	0.00
9	0.00	91.97	85.77	0.00
10	0.00	92.19	86.39	0.00
11	0.00	92.47	86.67	0.00
12	0.00	91.91	85.71	0.00
13	0.00	91.35	84.75	0.00
14	0.00	90.78	84.04	0.00
15	0.00	90.22	83.88	0.00
16	0.00	90.07	84.13	0.00
17	0.00	89.30	82.99	0.00
18	0.00	88.51	81.80	0.00
19	0.00	87.69	80.58	0.00
20	0.00	78.18	71.95	0.00
21	0.00	87.16	80.68	0.00
22	0.00	87.75	81.67	0.00
23	0.00	88.28	82.46	0.00
24	0.00	88.82	82.76	0.00
25	0.00	89.23	83.34	0.00
26	0.00	89.34	83.06	0.00
27	0.00	89.81	83.15	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
28	0.00	90.28	83.57	0.00
29	0.00	90.75	84.44	0.00
30	0.00	91.22	85.31	0.00
31	0.00	91.31	85.32	0.00
32	0.00	91.14	84.75	0.00
33	0.00	90.98	84.19	0.00
34	0.00	90.81	84.12	0.00
35	0.00	90.64	84.35	0.00
36	0.00	90.35	84.31	0.00
37	0.00	89.50	82.96	0.00

38	0.00	88.64	81.60	0.00
39	0.00	87.69	80.15	0.00
40	0.00	76.51	70.26	0.00
41	0.00	77.30	70.70	0.00
42	0.00	78.12	71.13	0.00
43	0.00	78.95	72.15	0.00
44	0.00	79.78	72.58	0.00
45	0.00	79.94	73.14	0.00
46	0.00	80.52	74.07	0.00
47	0.00	81.10	74.25	0.00
48	0.00	81.67	75.22	0.00
49	0.00	82.25	75.95	0.00
50	0.00	82.82	76.12	0.00
51	0.00	82.30	75.96	0.00
52	0.00	81.79	75.26	0.00
53	0.00	81.27	74.38	0.00
54	0.00	80.75	73.50	0.00
55	0.00	80.23	73.34	0.00
56	0.00	80.09	72.90	0.00
57	0.00	79.94	72.39	0.00
58	0.00	79.20	72.01	0.00
59	0.00	78.45	71.36	0.00
60	0.00	77.65	70.92	0.00
101	0.00	90.83	84.63	0.00
102	0.00	91.71	85.06	0.00
103	0.00	90.96	84.09	0.00
104	0.00	88.72	82.58	0.00
105	0.00	90.08	83.20	0.00
106	0.00	90.91	83.97	0.00
107	0.00	78.56	71.36	0.00
109	0.00	89.16	83.53	0.00
110	0.00	91.15	85.50	0.00
111	0.00	92.21	86.43	0.00
112	0.00	92.62	86.93	0.00
113	0.00	92.58	86.86	0.00
114	0.00	90.05	84.13	0.00
115	0.00	86.03	79.03	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
116	0.00	88.19	82.44	0.00
117	0.00	89.20	83.42	0.00
118	0.00	91.06	85.06	0.00
119	0.00	90.49	84.49	0.00
120	0.00	90.50	84.54	0.00
201	0.00	92.70	87.10	0.00
202	0.00	92.25	86.61	0.00
203	0.00	91.41	85.66	0.00
301	0.00	78.68	73.22	0.00
302	0.00	80.34	74.93	0.00
303	0.00	82.06	76.68	0.00
304	0.00	81.86	76.38	0.00
305	0.00	80.20	74.26	0.00
306	0.00	78.80	72.59	0.00
121	0.00	78.76	71.52	0.00
501	0.00	6.86	-2.14	0.00
502	0.00	6.86	-2.14	0.00
503	0.00	6.86	-2.14	0.00
504	0.00	6.86	-2.14	0.00
505	0.00	96.98	87.98	0.00
506	0.00	96.96	87.96	0.00
507	0.00	96.87	87.87	0.00
508	0.00	96.66	87.66	0.00
509	0.00	95.33	84.28	0.00
510	0.00	95.31	84.26	0.00
511	0.00	95.20	84.15	0.00
512	0.00	94.98	83.93	0.00
513	0.00	94.17	83.12	0.00
514	0.00	93.62	86.42	0.00
701	0.00	78.15	71.92	0.00
702	25.00	78.08	69.96	0.00
703	0.00	87.66	80.12	0.00
704	25.00	87.59	78.56	0.00
705	0.00	87.15	80.88	0.00

706	25.00	87.07	79.10	0.00
707	0.00	87.13	80.65	0.00
708	25.00	87.06	79.04	0.00
709	0.00	89.31	83.42	0.00
710	25.00	89.24	81.17	0.00
711	0.00	90.19	83.85	0.00
712	25.00	90.12	81.74	0.00
713	0.00	76.49	70.24	0.00
714	25.00	76.41	67.78	0.00
715	0.00	79.92	73.12	0.00
716	25.00	79.85	71.53	0.00
717	0.00	80.21	73.32	0.00
718	25.00	80.13	71.52	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
719	0.00	77.62	70.89	0.00	
720	25.00	77.55	68.34	0.00	
61	0.00	85.81	80.42	0.00	
62	0.00	85.78	77.50	0.00	
63	0.00	85.63	77.04	0.00	
64	0.00	85.59	79.83	0.00	
400	-250.00	7.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	200.56	3.84	42.54	Open
2	30.19	0.58	1.28	Open
3	30.19	0.58	2.25	Open
4	49.44	0.95	3.18	Open
5	49.44	0.95	5.79	Open
6	170.36	3.26	41.60	Open
7	100.00	1.92	11.72	Open
8	100.00	1.92	11.72	Open
9	100.00	1.92	11.72	Open
10	49.44	1.20	5.64	Open
11	49.44	1.20	5.64	Open
12	49.44	1.20	5.64	Open
13	49.44	1.20	5.64	Open
14	49.44	1.20	5.64	Open
15	49.44	1.20	5.64	Open
16	24.44	0.59	1.53	Open
17	24.44	0.59	3.08	Open
18	30.19	0.73	2.26	Open
19	30.19	0.73	2.26	Open
20	30.19	0.73	2.26	Open
21	30.19	0.73	2.26	Open
22	30.19	0.73	2.26	Open
23	30.19	0.73	2.26	Open
24	30.19	0.73	2.26	Open
25	30.19	0.73	2.37	Open
26	30.19	1.44	11.69	Open
27	25.56	0.62	1.66	Open
28	25.56	0.62	1.66	Open
29	25.56	0.62	1.66	Open
30	25.56	0.62	1.66	Open
31	25.56	0.62	1.66	Open
32	25.56	0.62	1.66	Open
33	25.56	0.62	1.76	Open
34	50.00	1.21	5.76	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
35	50.00	1.21	5.76	Open
36	50.00	1.21	5.76	Open
37	50.00	1.21	5.76	Open

38	50.00	1.21	5.76	Open
39	50.00	1.21	5.76	Open
40	25.00	0.61	1.60	Open
41	25.00	0.61	1.60	Open
42	25.00	0.61	1.68	Open
43	50.00	1.21	5.76	Open
44	50.00	1.21	5.76	Open
45	50.00	1.21	5.76	Open
46	50.00	1.21	5.76	Open
47	50.00	1.21	5.76	Open
48	50.00	1.21	5.76	Open
49	50.00	1.21	5.76	Open
50	25.00	0.61	1.67	Open
51	24.44	1.16	7.90	Open
52	24.44	1.16	7.90	Open
53	24.44	1.16	8.18	Open
54	-0.56	0.03	0.01	Open
55	30.19	1.44	11.69	Open
56	30.19	1.44	11.69	Open
57	30.19	1.44	11.69	Open
58	30.19	1.44	12.95	Open
59	5.19	0.25	0.49	Open
60	25.56	1.22	8.59	Open
61	25.56	1.22	8.59	Open
62	25.56	1.22	8.59	Open
63	25.56	1.22	9.49	Open
64	25.00	1.19	8.24	Open
65	25.00	1.19	8.24	Open
66	25.00	1.19	8.24	Open
67	25.00	1.19	8.24	Open
68	25.00	1.19	8.96	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.98	Open
75	44.81	1.09	4.70	Open
76	44.81	1.09	4.70	Open
77	44.81	1.09	4.70	Open
78	44.81	1.09	4.70	Open
79	44.81	1.09	4.70	Open
80	44.81	1.09	4.70	Open
81	19.81	0.48	1.04	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
82	19.81	0.48	1.20	Open
83	19.81	0.94	5.35	Open
84	19.81	0.94	5.35	Open
85	19.81	0.94	5.35	Open
86	19.81	0.94	5.35	Open
87	19.81	0.94	5.35	Open
88	19.81	0.94	5.90	Open
89	25.00	1.86	24.51	Open
90	25.00	1.86	25.02	Open
91	62.26	1.98	67.32	Open
92	62.31	1.98	67.41	Open
93	62.49	1.99	67.79	Open
94	62.94	2.00	68.75	Open
99	62.26	3.52	805.69	Open
100	62.31	3.53	806.88	Open
101	62.49	3.54	811.49	Open
102	62.94	3.56	823.25	Open
103	62.26	0.88	17.52	Open
104	124.57	1.76	68.42	Open
105	187.06	2.65	152.23	Open
106	250.00	3.54	269.40	Open
107	250.00	3.54	136.66	Open
108	250.00	3.54	184.44	Open
95	100.00	1.92	11.72	Open
96	100.00	1.92	11.72	Open
97	100.00	1.92	11.72	Open
98	100.00	1.92	11.72	Open

601	62.26	0.00	-90.12	Open Pump
602	62.31	0.00	-90.10	Open Pump
603	62.49	0.00	-90.01	Open Pump
604	62.94	0.00	-89.81	Open Pump
801	25.00	1.19	0.02	Active Valve
802	25.00	1.19	0.07	Active Valve
803	25.00	1.19	0.02	Active Valve
804	25.00	1.19	0.07	Active Valve
805	25.00	1.19	0.02	Active Valve
806	25.00	1.19	0.07	Active Valve
807	25.00	1.19	0.02	Active Valve
808	25.00	1.19	0.07	Active Valve
809	25.00	1.19	0.02	Active Valve
810	25.00	1.19	0.07	Active Valve
811	25.00	1.19	0.02	Active Valve
812	25.00	1.19	0.07	Active Valve
813	25.00	1.19	0.02	Active Valve
814	25.00	1.19	0.07	Active Valve
815	25.00	1.19	0.02	Active Valve
816	25.00	1.19	0.07	Active Valve

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
817	25.00	1.19	0.02	Active Valve
818	25.00	1.19	0.07	Active Valve
819	25.00	1.19	0.02	Active Valve
820	25.00	1.19	0.07	Active Valve

Report di calcolo dimensionamento in moto permanente

10. Comizio irriguo n.10

2. Ipotesi n.2: alimentazione di n.10 utenze terminali appartenenti alla “Linea 1”;

```
*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
```

Input File: Linea_10_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 2.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	10.5	257.8
2	202	111	34.4	257.8
3	111	10	7	257.8
4	201	112	23.4	257.8
5	112	113	7	257.8
6	202	203	20.3	257.8
7	203	118	30	257.8
8	118	119	48	257.8
9	119	61	399.1	257.8
10	113	11	19.4	229.2
11	11	12	100	229.2
12	12	13	100	229.2
13	13	103	68.4	229.2
14	103	14	31.6	229.2
15	14	15	100	229.2
16	15	16	100	229.2
17	16	114	4.6	229.2
18	10	9	100	229.2
19	9	8	100	229.2
20	8	102	11.1	229.2
21	102	7	88.9	229.2
22	7	6	100	229.2
23	6	110	60.7	229.2
24	110	5	39.3	229.2
25	5	101	98.1	229.2
26	101	4	1.9	163.6
27	203	31	59.1	229.2
28	31	32	100	229.2
29	32	33	100	229.2
30	33	106	37.8	229.2
31	106	34	62.2	229.2
32	34	35	100	229.2
33	35	120	83.3	229.2
34	50	51	90	229.2
35	51	304	77.9	229.2
36	304	52	12.1	229.2
37	52	53	90	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	53	54	90	229.2
39	54	55	90	229.2
40	55	305	17.6	229.2
41	305	56	72.4	229.2
42	56	57	90	229.2
43	50	49	100	229.2
44	49	303	32.7	229.2
45	303	48	67.3	229.2
46	48	47	100	229.2
47	47	46	100	229.2
48	46	302	31.9	229.2
49	302	45	68.1	229.2
50	45	44	99.4	229.2
51	114	17	95.4	163.6
52	17	18	100	163.6
53	18	19	100	163.6
54	19	39	28.2	163.6

55	4	3	100	163.6	
56	3	109	40.6	163.6	
57	109	2	59.4	163.6	
58	2	1	100	163.6	
59	1	21	28.3	163.6	
60	120	36	16.7	163.6	
61	36	37	100	163.6	
62	37	38	100	163.6	
63	38	39	100	163.6	
64	57	58	90	163.6	
65	58	306	47.7	163.6	
66	306	121	5	163.6	
67	121	59	37.3	163.6	
68	59	60	90	163.6	
69	44	43	100.6	163.6	
70	43	301	32.5	163.6	
71	301	107	15	163.6	
72	107	42	52.5	163.6	
73	42	41	100	163.6	
74	41	40	87.9	163.6	
75	203	30	40.7	229.2	
76	30	29	100	229.2	
77	29	28	100	229.2	
78	28	105	42.6	229.2	
79	105	27	57.4	229.2	
80	27	26	100	229.2	
81	26	25	100	229.2	
82	25	117	29.2	229.2	
83	117	24	70.8	163.6	
84	24	104	19.3	163.6	

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
85	104	23	80.7	163.6	
86	23	116	16.9	163.6	
87	116	22	83.1	163.6	
88	22	21	100	163.6	
89	19	115	67.5	130.8	
90	115	20	314.1	130.8	
91	400	501	5	200	
92	400	502	5	200	
93	400	503	5	200	
94	400	504	5	200	
99	505	509	2.05	150	
100	506	510	2.05	150	
101	507	511	2.05	150	
102	508	512	2.05	150	
103	509	510	1.5	300	
104	510	511	1.5	300	
105	511	512	1.5	300	
106	512	513	3	300	
107	513	514	4	300	
108	514	201	5	300	
95	61	62	2.9	257.8	
96	62	63	13.1	257.8	
97	63	64	3.26	257.8	
98	64	50	235.9	257.8	
601	501	505	#N/A	#N/A	Pump
602	502	506	#N/A	#N/A	Pump
603	503	507	#N/A	#N/A	Pump
604	504	508	#N/A	#N/A	Pump
801	20	701	#N/A	163.5	Valve
802	701	702	#N/A	163.5	Valve
803	39	703	#N/A	163.6	Valve
804	703	704	#N/A	163.6	Valve
805	1	705	#N/A	163.6	Valve
806	705	706	#N/A	163.6	Valve
807	21	707	#N/A	163.6	Valve
808	707	708	#N/A	163.6	Valve
809	26	709	#N/A	163.6	Valve
810	709	710	#N/A	163.6	Valve
811	15	711	#N/A	163.6	Valve
812	711	712	#N/A	163.6	Valve
813	40	713	#N/A	163.6	Valve

814	713	714	#N/A	163.6	Valve
815	45	715	#N/A	163.6	Valve
816	715	716	#N/A	163.6	Valve
817	55	717	#N/A	163.6	Valve
818	717	718	#N/A	163.6	Valve
819	60	719	#N/A	163.6	Valve

Page 4
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
820	719	720	#N/A	163.6	Valve
821	6	721	#N/A	163.6	Valve
822	721	722	#N/A	163.6	Valve
823	35	723	#N/A	163.6	Valve
824	723	724	#N/A	163.6	Valve
827	11	727	#N/A	163.6	Valve
828	727	728	#N/A	163.6	Valve
829	31	729	#N/A	163.6	Valve
830	729	730	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.33	73.34	73.34	0.00
602	100.00	75.00	0.33	73.37	73.37	0.00
603	100.00	75.00	0.33	73.51	73.51	0.00
604	100.00	75.00	0.33	73.88	73.88	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	86.53	80.26	0.00
2	0.00	87.55	81.68	0.00
3	0.00	88.46	82.67	0.00
4	0.00	89.38	83.19	0.00
5	0.00	89.58	83.77	0.00
6	0.00	89.76	83.87	0.00
7	0.00	90.37	84.08	0.00
8	0.00	90.98	84.38	0.00
9	0.00	91.59	85.39	0.00
10	0.00	92.20	86.40	0.00
11	0.00	92.19	86.39	0.00
12	0.00	91.57	85.37	0.00
13	0.00	90.95	84.35	0.00
14	0.00	90.33	83.59	0.00
15	0.00	89.71	83.37	0.00
16	0.00	89.52	83.58	0.00
17	0.00	88.60	82.29	0.00
18	0.00	87.65	80.94	0.00
19	0.00	86.67	79.56	0.00

Page 5
Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
20	0.00	77.15	70.92	0.00
21	0.00	86.53	80.05	0.00
22	0.00	87.34	81.26	0.00
23	0.00	88.07	82.25	0.00
24	0.00	88.81	82.75	0.00
25	0.00	89.37	83.48	0.00
26	0.00	89.52	83.24	0.00
27	0.00	90.06	83.40	0.00
28	0.00	90.60	83.89	0.00
29	0.00	91.15	84.84	0.00

30	0.00	91.69	85.78	0.00
31	0.00	91.23	85.24	0.00
32	0.00	90.69	84.30	0.00
33	0.00	90.16	83.37	0.00
34	0.00	89.63	82.94	0.00
35	0.00	89.09	82.80	0.00
36	0.00	88.85	82.81	0.00
37	0.00	88.15	81.61	0.00
38	0.00	87.44	80.40	0.00
39	0.00	86.66	79.12	0.00
40	0.00	91.91	85.66	0.00
41	0.00	91.91	85.31	0.00
42	0.00	91.91	84.92	0.00
43	0.00	91.91	85.11	0.00
44	0.00	91.91	84.71	0.00
45	0.00	91.91	85.11	0.00
46	0.00	91.91	85.46	0.00
47	0.00	91.91	85.06	0.00
48	0.00	91.91	85.46	0.00
49	0.00	91.91	85.61	0.00
50	0.00	91.91	85.21	0.00
51	0.00	91.91	85.57	0.00
52	0.00	91.91	85.38	0.00
53	0.00	91.91	85.02	0.00
54	0.00	91.91	84.66	0.00
55	0.00	91.91	85.02	0.00
56	0.00	91.91	84.72	0.00
57	0.00	91.91	84.36	0.00
58	0.00	91.91	84.72	0.00
59	0.00	91.91	84.82	0.00
60	0.00	91.91	85.18	0.00
101	0.00	89.40	83.20	0.00
102	0.00	90.91	84.26	0.00
103	0.00	90.52	83.65	0.00
104	0.00	88.66	82.52	0.00
105	0.00	90.37	83.49	0.00
106	0.00	89.96	83.02	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
107	0.00	91.91	84.71	0.00
109	0.00	88.09	82.46	0.00
110	0.00	89.65	84.00	0.00
111	0.00	92.24	86.46	0.00
112	0.00	92.53	86.84	0.00
113	0.00	92.43	86.71	0.00
114	0.00	89.51	83.59	0.00
115	0.00	85.01	78.01	0.00
116	0.00	87.95	82.20	0.00
117	0.00	89.33	83.55	0.00
118	0.00	91.91	85.91	0.00
119	0.00	91.91	85.91	0.00
120	0.00	88.97	83.01	0.00
201	0.00	92.70	87.10	0.00
202	0.00	92.36	86.72	0.00
203	0.00	91.91	86.16	0.00
301	0.00	91.91	86.45	0.00
302	0.00	91.91	86.50	0.00
303	0.00	91.91	86.53	0.00
304	0.00	91.91	86.43	0.00
305	0.00	91.91	85.97	0.00
306	0.00	91.91	85.70	0.00
121	0.00	91.91	84.67	0.00
501	0.00	6.86	-2.14	0.00
502	0.00	6.86	-2.14	0.00
503	0.00	6.86	-2.14	0.00
504	0.00	6.86	-2.14	0.00
505	0.00	96.98	87.98	0.00
506	0.00	96.96	87.96	0.00
507	0.00	96.87	87.87	0.00
508	0.00	96.66	87.66	0.00
509	0.00	95.33	84.28	0.00
510	0.00	95.31	84.26	0.00
511	0.00	95.20	84.15	0.00

512	0.00	94.98	83.93	0.00
513	0.00	94.17	83.12	0.00
514	0.00	93.62	86.42	0.00
701	0.00	77.13	70.90	0.00
702	25.00	77.05	68.93	0.00
703	0.00	86.64	79.10	0.00
704	25.00	86.56	77.53	0.00
705	0.00	86.50	80.23	0.00
706	25.00	86.43	78.46	0.00
707	0.00	86.50	80.02	0.00
708	25.00	86.43	78.41	0.00
709	0.00	89.49	83.60	0.00
710	25.00	89.42	81.35	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
711	0.00	89.68	83.34	0.00	
712	25.00	89.61	81.23	0.00	
713	0.00	91.91	85.66	0.00	
714	0.00	91.91	83.28	0.00	
715	0.00	91.91	85.11	0.00	
716	0.00	91.91	83.59	0.00	
717	0.00	91.91	85.02	0.00	
718	0.00	91.91	83.30	0.00	
719	0.00	91.91	85.18	0.00	
720	0.00	91.91	82.70	0.00	
721	0.00	89.74	83.85	0.00	
722	25.00	89.66	81.92	0.00	
723	0.00	89.07	82.78	0.00	
724	25.00	88.99	80.53	0.00	
727	0.00	92.16	86.36	0.00	
728	25.00	92.09	83.54	0.00	
729	0.00	91.20	85.21	0.00	
730	25.00	91.13	82.77	0.00	
61	0.00	91.91	86.52	0.00	
62	0.00	91.91	83.63	0.00	
63	0.00	91.91	83.32	0.00	
64	0.00	91.91	86.15	0.00	
400	-250.00	7.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	172.99	3.31	32.35	Open
2	51.52	0.99	3.43	Open
3	51.52	0.99	6.27	Open
4	77.01	1.48	7.23	Open
5	77.01	1.48	13.56	Open
6	121.48	2.33	21.97	Open
7	0.00	0.00	0.00	Open
8	0.00	0.00	0.00	Open
9	0.00	0.00	0.00	Open
10	77.01	1.87	12.81	Open
11	52.01	1.26	6.19	Open
12	52.01	1.26	6.19	Open
13	52.01	1.26	6.19	Open
14	52.01	1.26	6.19	Open
15	52.01	1.26	6.19	Open
16	27.01	0.65	1.84	Open
17	27.01	0.65	3.74	Open
18	51.52	1.25	6.09	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
19	51.52	1.25	6.09	Open
20	51.52	1.25	6.09	Open
21	51.52	1.25	6.09	Open

22	51.52	1.25	6.09	Open
23	26.52	0.64	1.78	Open
24	26.52	0.64	1.78	Open
25	26.52	0.64	1.86	Open
26	26.52	1.26	9.19	Open
27	72.99	1.77	11.60	Open
28	47.99	1.16	5.34	Open
29	47.99	1.16	5.34	Open
30	47.99	1.16	5.34	Open
31	47.99	1.16	5.34	Open
32	47.99	1.16	5.34	Open
33	22.99	0.56	1.44	Open
34	0.00	0.00	0.00	Open
35	0.00	0.00	0.00	Open
36	0.00	0.00	0.00	Open
37	0.00	0.00	0.00	Open
38	0.00	0.00	0.00	Open
39	0.00	0.00	0.00	Open
40	0.00	0.00	0.00	Open
41	0.00	0.00	0.00	Open
42	0.00	0.00	0.00	Open
43	0.00	0.00	0.00	Open
44	0.00	0.00	0.00	Open
45	0.00	0.00	0.00	Open
46	0.00	0.00	0.00	Open
47	0.00	0.00	0.00	Open
48	0.00	0.00	0.00	Open
49	0.00	0.00	0.00	Open
50	0.00	0.00	0.00	Open
51	27.01	1.28	9.51	Open
52	27.01	1.28	9.51	Open
53	27.01	1.28	9.84	Open
54	2.01	0.10	0.08	Open
55	26.52	1.26	9.19	Open
56	26.52	1.26	9.19	Open
57	26.52	1.26	9.19	Open
58	26.52	1.26	10.17	Open
59	1.52	0.07	0.05	Open
60	22.99	1.09	7.06	Open
61	22.99	1.09	7.06	Open
62	22.99	1.09	7.06	Open
63	22.99	1.09	7.79	Open
64	0.00	0.00	0.00	Open
65	0.00	0.00	0.00	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
66	0.00	0.00	0.00	Open
67	0.00	0.00	0.00	Open
68	0.00	0.00	0.00	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
71	0.00	0.00	0.00	Open
72	0.00	0.00	0.00	Open
73	0.00	0.00	0.00	Open
74	0.00	0.00	0.00	Open
75	48.48	1.18	5.44	Open
76	48.48	1.18	5.44	Open
77	48.48	1.18	5.44	Open
78	48.48	1.18	5.44	Open
79	48.48	1.18	5.44	Open
80	48.48	1.18	5.44	Open
81	23.48	0.57	1.42	Open
82	23.48	0.57	1.65	Open
83	23.48	1.12	7.34	Open
84	23.48	1.12	7.34	Open
85	23.48	1.12	7.34	Open
86	23.48	1.12	7.34	Open
87	23.48	1.12	7.34	Open
88	23.48	1.12	8.10	Open
89	25.00	1.86	24.51	Open
90	25.00	1.86	25.02	Open
91	62.26	1.98	67.32	Open
92	62.31	1.98	67.41	Open

93	62.49	1.99	67.79	Open
94	62.94	2.00	68.75	Open
99	62.26	3.52	805.70	Open
100	62.31	3.53	806.88	Open
101	62.49	3.54	811.49	Open
102	62.94	3.56	823.25	Open
103	62.26	0.88	17.52	Open
104	124.57	1.76	68.42	Open
105	187.06	2.65	152.22	Open
106	250.00	3.54	269.40	Open
107	250.00	3.54	136.66	Open
108	250.00	3.54	184.45	Open
95	0.00	0.00	0.00	Open
96	0.00	0.00	0.00	Open
97	0.00	0.00	0.00	Open
98	0.00	0.00	0.00	Open
601	62.26	0.00	-90.12	Open Pump
602	62.31	0.00	-90.10	Open Pump
603	62.49	0.00	-90.01	Open Pump
604	62.94	0.00	-89.81	Open Pump

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
801	25.00	1.19	0.02	Active Valve
802	25.00	1.19	0.07	Active Valve
803	25.00	1.19	0.02	Active Valve
804	25.00	1.19	0.07	Active Valve
805	25.00	1.19	0.02	Active Valve
806	25.00	1.19	0.07	Active Valve
807	25.00	1.19	0.02	Active Valve
808	25.00	1.19	0.07	Active Valve
809	25.00	1.19	0.02	Active Valve
810	25.00	1.19	0.07	Active Valve
811	25.00	1.19	0.02	Active Valve
812	25.00	1.19	0.07	Active Valve
813	0.00	0.00	0.00	Active Valve
814	0.00	0.00	0.00	Active Valve
815	0.00	0.00	0.00	Active Valve
816	0.00	0.00	0.00	Active Valve
817	0.00	0.00	0.00	Active Valve
818	0.00	0.00	0.00	Active Valve
819	0.00	0.00	0.00	Active Valve
820	0.00	0.00	0.00	Active Valve
821	25.00	1.19	0.02	Active Valve
822	25.00	1.19	0.07	Active Valve
823	25.00	1.19	0.02	Active Valve
824	25.00	1.19	0.07	Active Valve
827	25.00	1.19	0.02	Active Valve
828	25.00	1.19	0.07	Active Valve
829	25.00	1.19	0.02	Active Valve
830	25.00	1.19	0.07	Active Valve

Report di calcolo dimensionamento in moto permanente

10. Comizio irriguo n.10

3. Ipotesi n.3: alimentazione di n.5 utenze appartenenti alla “Lina 1” e n.5 utenze appartenenti alla “Linea 2”;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_10_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 3.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	10.5	257.8
2	202	111	34.4	257.8
3	111	10	7	257.8
4	201	112	23.4	257.8
5	112	113	7	257.8
6	202	203	20.3	257.8
7	203	118	30	257.8
8	118	119	48	257.8
9	119	62	399.1	257.8
10	113	11	19.4	229.2
11	11	12	100	229.2
12	12	13	100	229.2
13	13	103	68.4	229.2
14	103	14	31.6	229.2
15	14	15	100	229.2
16	15	16	100	229.2
17	16	114	4.6	229.2
18	10	9	100	229.2
19	9	8	100	229.2
20	8	102	11.1	229.2
21	102	7	88.9	229.2
22	7	6	100	229.2
23	6	110	60.7	229.2
24	110	5	39.3	229.2
25	5	101	98.1	229.2
26	101	4	1.9	163.6
27	203	31	59.1	229.2
28	31	32	100	229.2
29	32	33	100	229.2
30	33	106	37.8	229.2
31	106	34	62.2	229.2
32	34	35	100	229.2
33	35	120	83.3	229.2
34	50	51	90	229.2
35	51	304	77.9	229.2
36	304	52	12.1	229.2
37	52	53	90	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	53	54	90	229.2
39	54	55	90	229.2
40	55	305	17.6	229.2
41	305	56	72.4	229.2
42	56	57	90	229.2
43	50	49	100	229.2
44	49	303	32.7	229.2
45	303	48	67.3	229.2
46	48	47	100	229.2
47	47	46	100	229.2
48	46	302	31.9	229.2
49	302	45	68.1	229.2
50	45	44	99.4	229.2
51	114	17	95.4	163.6
52	17	18	100	163.6
53	18	19	100	163.6
54	19	39	28.2	163.6

55	4	3	100	163.6
56	3	109	40.6	163.6
57	109	2	59.4	163.6
58	2	1	100	163.6
59	1	21	28.3	163.6
60	120	36	16.7	163.6
61	36	37	100	163.6
62	37	38	100	163.6
63	38	39	100	163.6
64	57	58	90	163.6
65	58	306	47.7	163.6
66	306	121	5	163.6
67	121	59	37.3	163.6
68	59	60	90	163.6
69	44	43	100.6	163.6
70	43	301	32.5	163.6
71	301	107	15	163.6
72	107	42	52.5	163.6
73	42	41	100	163.6
74	41	40	87.9	163.6
75	203	30	40.7	229.2
76	30	29	100	229.2
77	29	28	100	229.2
78	28	105	42.6	229.2
79	105	27	57.4	229.2
80	27	26	100	229.2
81	26	25	100	229.2
82	25	117	29.2	229.2
83	117	24	70.8	163.6
84	24	104	19.3	163.6

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
85	104	23	80.7	163.6	
86	23	116	16.9	163.6	
87	116	22	83.1	163.6	
88	22	21	100	163.6	
89	19	115	67.5	130.8	
90	115	20	314.1	130.8	
91	400	501	5	200	
92	400	502	5	200	
93	400	503	5	200	
94	400	504	5	200	
99	505	509	2.05	150	
100	506	510	2.05	150	
101	507	511	2.05	150	
102	508	512	2.05	150	
103	509	510	1.5	300	
104	510	511	1.5	300	
105	511	512	1.5	300	
106	512	513	3	300	
107	513	514	4	300	
108	514	201	5	300	
95	62	63	2.9	257.8	
96	63	64	13.1	257.8	
97	64	65	3.26	257.8	
98	65	50	235.9	257.8	
601	501	505	#N/A	#N/A	Pump
602	502	506	#N/A	#N/A	Pump
603	503	507	#N/A	#N/A	Pump
604	504	508	#N/A	#N/A	Pump
801	20	701	#N/A	163.5	Valve
802	701	702	#N/A	163.5	Valve
803	39	703	#N/A	163.6	Valve
804	703	704	#N/A	163.6	Valve
805	1	705	#N/A	163.6	Valve
806	705	706	#N/A	163.6	Valve
807	21	707	#N/A	163.6	Valve
808	707	708	#N/A	163.6	Valve
809	26	709	#N/A	163.6	Valve
810	709	710	#N/A	163.6	Valve
811	15	711	#N/A	163.6	Valve
812	711	712	#N/A	163.6	Valve
813	40	713	#N/A	163.6	Valve

814	713	714	#N/A	163.6	Valve
815	45	715	#N/A	163.6	Valve
816	715	716	#N/A	163.6	Valve
817	55	717	#N/A	163.6	Valve
818	717	718	#N/A	163.6	Valve
819	60	719	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
820	719	720	#N/A	163.6	Valve
821	6	721	#N/A	163.6	Valve
822	721	722	#N/A	163.6	Valve
823	35	723	#N/A	163.6	Valve
824	723	724	#N/A	163.6	Valve
827	11	727	#N/A	163.6	Valve
828	727	728	#N/A	163.6	Valve
829	31	729	#N/A	163.6	Valve
830	729	730	#N/A	163.6	Valve
831	50	731	#N/A	163.6	Valve
832	731	61	#N/A	1636	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.33	73.34	73.34	0.00
602	100.00	75.00	0.33	73.37	73.37	0.00
603	100.00	75.00	0.33	73.51	73.51	0.00
604	100.00	75.00	0.33	73.88	73.88	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	90.24	83.97	0.00
2	0.00	90.46	84.59	0.00
3	0.00	90.65	84.86	0.00
4	0.00	90.85	84.66	0.00
5	0.00	90.89	85.08	0.00
6	0.00	90.93	85.04	0.00
7	0.00	91.25	84.96	0.00
8	0.00	91.57	84.97	0.00
9	0.00	91.89	85.69	0.00
10	0.00	92.22	86.42	0.00
11	0.00	92.36	86.56	0.00
12	0.00	92.04	85.84	0.00
13	0.00	91.71	85.11	0.00
14	0.00	91.39	84.65	0.00
15	0.00	91.06	84.72	0.00
16	0.00	91.03	85.09	0.00
17	0.00	90.83	84.52	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
18	0.00	90.63	83.92	0.00
19	0.00	90.43	83.32	0.00
20	0.00	80.91	74.68	0.00
21	0.00	90.33	83.85	0.00
22	0.00	90.62	84.54	0.00
23	0.00	90.88	85.06	0.00
24	0.00	91.14	85.08	0.00
25	0.00	91.35	85.46	0.00
26	0.00	91.40	85.12	0.00
27	0.00	91.45	84.79	0.00

28	0.00	91.50	84.79	0.00
29	0.00	91.55	85.24	0.00
30	0.00	91.60	85.69	0.00
31	0.00	91.59	85.60	0.00
32	0.00	91.54	85.15	0.00
33	0.00	91.49	84.70	0.00
34	0.00	91.44	84.75	0.00
35	0.00	91.39	85.10	0.00
36	0.00	91.30	85.26	0.00
37	0.00	91.05	84.51	0.00
38	0.00	90.79	83.75	0.00
39	0.00	90.51	82.97	0.00
40	0.00	72.33	66.08	0.00
41	0.00	73.12	66.52	0.00
42	0.00	73.95	66.96	0.00
43	0.00	74.77	67.97	0.00
44	0.00	75.60	68.40	0.00
45	0.00	75.76	68.96	0.00
46	0.00	76.34	69.89	0.00
47	0.00	76.92	70.07	0.00
48	0.00	77.49	71.04	0.00
49	0.00	78.07	71.77	0.00
50	0.00	78.64	71.94	0.00
51	0.00	78.13	71.79	0.00
52	0.00	77.61	71.08	0.00
53	0.00	77.09	70.20	0.00
54	0.00	76.57	69.32	0.00
55	0.00	76.05	69.16	0.00
56	0.00	75.91	68.72	0.00
57	0.00	75.76	68.21	0.00
58	0.00	75.02	67.83	0.00
59	0.00	74.27	67.18	0.00
60	0.00	73.47	66.74	0.00
101	0.00	90.85	84.65	0.00
102	0.00	91.54	84.89	0.00
103	0.00	91.49	84.62	0.00
104	0.00	91.09	84.95	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
105	0.00	91.48	84.60	0.00
106	0.00	91.47	84.53	0.00
107	0.00	74.38	67.18	0.00
109	0.00	90.57	84.94	0.00
110	0.00	90.91	85.26	0.00
111	0.00	92.24	86.46	0.00
112	0.00	92.59	86.90	0.00
113	0.00	92.52	86.80	0.00
114	0.00	91.02	85.10	0.00
115	0.00	88.77	81.77	0.00
116	0.00	90.83	85.08	0.00
117	0.00	91.33	85.55	0.00
118	0.00	91.09	85.09	0.00
119	0.00	90.24	84.24	0.00
120	0.00	91.35	85.39	0.00
201	0.00	92.70	87.10	0.00
202	0.00	92.30	86.66	0.00
203	0.00	91.62	85.87	0.00
301	0.00	74.50	69.04	0.00
302	0.00	76.16	70.75	0.00
303	0.00	77.88	72.50	0.00
304	0.00	77.68	72.20	0.00
305	0.00	76.02	70.08	0.00
306	0.00	74.62	68.41	0.00
121	0.00	74.58	67.34	0.00
501	0.00	6.86	-2.14	0.00
502	0.00	6.86	-2.14	0.00
503	0.00	6.86	-2.14	0.00
504	0.00	6.86	-2.14	0.00
505	0.00	96.98	87.98	0.00
506	0.00	96.96	87.96	0.00
507	0.00	96.87	87.87	0.00
508	0.00	96.66	87.66	0.00
509	0.00	95.33	84.28	0.00

510	0.00	95.31	84.26	0.00
511	0.00	95.20	84.15	0.00
512	0.00	94.98	83.93	0.00
513	0.00	94.17	83.12	0.00
514	0.00	93.62	86.42	0.00
701	0.00	80.89	74.66	0.00
702	25.00	80.81	72.69	0.00
703	0.00	90.51	82.97	0.00
704	0.00	90.51	81.48	0.00
705	0.00	90.22	83.95	0.00
706	25.00	90.15	82.18	0.00
707	0.00	90.33	83.85	0.00
708	0.00	90.33	82.31	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
709	0.00	91.40	85.51	0.00	
710	0.00	91.40	83.33	0.00	
711	0.00	91.04	84.70	0.00	
712	25.00	90.97	82.59	0.00	
713	0.00	72.31	66.06	0.00	
714	25.00	72.23	63.60	0.00	
715	0.00	75.74	68.94	0.00	
716	25.00	75.67	67.35	0.00	
717	0.00	76.03	69.14	0.00	
718	25.00	75.95	67.34	0.00	
719	0.00	73.44	66.71	0.00	
720	25.00	73.37	64.16	0.00	
721	0.00	90.91	85.02	0.00	
722	25.00	90.83	83.09	0.00	
723	0.00	91.39	85.10	0.00	
724	0.00	91.39	82.93	0.00	
727	0.00	92.34	86.54	0.00	
728	25.00	92.26	83.71	0.00	
729	0.00	91.59	85.60	0.00	
730	0.00	91.59	83.23	0.00	
731	0.00	78.62	71.92	0.00	
61	25.00	78.62	71.92	0.00	
62	0.00	83.17	77.78	0.00	
63	0.00	83.11	74.83	0.00	
64	0.00	82.88	74.29	0.00	
65	0.00	82.82	77.06	0.00	
400	-250.00	7.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	188.36	3.61	37.87	Open
2	36.50	0.70	1.81	Open
3	36.50	0.70	3.24	Open
4	61.64	1.18	4.79	Open
5	61.64	1.18	8.84	Open
6	151.86	2.91	33.48	Open
7	125.00	2.39	17.72	Open
8	125.00	2.39	17.72	Open
9	125.00	2.39	17.72	Open
10	61.64	1.49	8.49	Open
11	36.64	0.89	3.24	Open
12	36.64	0.89	3.24	Open
13	36.64	0.89	3.24	Open
14	36.64	0.89	3.24	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
15	36.64	0.89	3.24	Open
16	11.64	0.28	0.39	Open
17	11.64	0.28	0.74	Open

18	36.50	0.88	3.21	Open
19	36.50	0.88	3.21	Open
20	36.50	0.88	3.21	Open
21	36.50	0.88	3.21	Open
22	36.50	0.88	3.21	Open
23	11.50	0.28	0.38	Open
24	11.50	0.28	0.38	Open
25	11.50	0.28	0.39	Open
26	11.50	0.55	1.95	Open
27	13.36	0.32	0.50	Open
28	13.36	0.32	0.50	Open
29	13.36	0.32	0.50	Open
30	13.36	0.32	0.50	Open
31	13.36	0.32	0.50	Open
32	13.36	0.32	0.50	Open
33	13.36	0.32	0.53	Open
34	50.00	1.21	5.76	Open
35	50.00	1.21	5.76	Open
36	50.00	1.21	5.76	Open
37	50.00	1.21	5.76	Open
38	50.00	1.21	5.76	Open
39	50.00	1.21	5.76	Open
40	25.00	0.61	1.60	Open
41	25.00	0.61	1.60	Open
42	25.00	0.61	1.68	Open
43	50.00	1.21	5.76	Open
44	50.00	1.21	5.76	Open
45	50.00	1.21	5.76	Open
46	50.00	1.21	5.76	Open
47	50.00	1.21	5.76	Open
48	50.00	1.21	5.76	Open
49	50.00	1.21	5.76	Open
50	25.00	0.61	1.67	Open
51	11.64	0.55	2.00	Open
52	11.64	0.55	2.00	Open
53	11.64	0.55	2.06	Open
54	-13.36	0.64	2.86	Open
55	11.50	0.55	1.96	Open
56	11.50	0.55	1.96	Open
57	11.50	0.55	1.96	Open
58	11.50	0.55	2.14	Open
59	-13.50	0.64	2.92	Open
60	13.36	0.64	2.58	Open
61	13.36	0.64	2.58	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
62	13.36	0.64	2.58	Open
63	13.36	0.64	2.83	Open
64	25.00	1.19	8.24	Open
65	25.00	1.19	8.24	Open
66	25.00	1.19	8.24	Open
67	25.00	1.19	8.24	Open
68	25.00	1.19	8.96	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.98	Open
75	13.50	0.33	0.51	Open
76	13.50	0.33	0.51	Open
77	13.50	0.33	0.51	Open
78	13.50	0.33	0.51	Open
79	13.50	0.33	0.51	Open
80	13.50	0.33	0.51	Open
81	13.50	0.33	0.51	Open
82	13.50	0.33	0.58	Open
83	13.50	0.64	2.63	Open
84	13.50	0.64	2.63	Open
85	13.50	0.64	2.63	Open
86	13.50	0.64	2.63	Open
87	13.50	0.64	2.63	Open
88	13.50	0.64	2.89	Open

89	25.00	1.86	24.51	Open
90	25.00	1.86	25.02	Open
91	62.26	1.98	67.32	Open
92	62.31	1.98	67.41	Open
93	62.49	1.99	67.79	Open
94	62.94	2.00	68.75	Open
99	62.26	3.52	805.69	Open
100	62.31	3.53	806.88	Open
101	62.49	3.54	811.49	Open
102	62.94	3.56	823.25	Open
103	62.26	0.88	17.52	Open
104	124.57	1.76	68.42	Open
105	187.06	2.65	152.23	Open
106	250.00	3.54	269.40	Open
107	250.00	3.54	136.66	Open
108	250.00	3.54	184.44	Open
95	125.00	2.39	17.72	Open
96	125.00	2.39	17.72	Open
97	125.00	2.39	17.72	Open
98	125.00	2.39	17.72	Open

Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
601	62.26	0.00	-90.12	Open Pump
602	62.31	0.00	-90.10	Open Pump
603	62.49	0.00	-90.01	Open Pump
604	62.94	0.00	-89.81	Open Pump
801	25.00	1.19	0.02	Active Valve
802	25.00	1.19	0.07	Active Valve
803	0.00	0.00	0.00	Active Valve
804	0.00	0.00	0.00	Active Valve
805	25.00	1.19	0.02	Active Valve
806	25.00	1.19	0.07	Active Valve
807	0.00	0.00	0.00	Active Valve
808	0.00	0.00	0.00	Active Valve
809	0.00	0.00	0.00	Active Valve
810	0.00	0.00	0.00	Active Valve
811	25.00	1.19	0.02	Active Valve
812	25.00	1.19	0.07	Active Valve
813	25.00	1.19	0.02	Active Valve
814	25.00	1.19	0.07	Active Valve
815	25.00	1.19	0.02	Active Valve
816	25.00	1.19	0.07	Active Valve
817	25.00	1.19	0.02	Active Valve
818	25.00	1.19	0.07	Active Valve
819	25.00	1.19	0.02	Active Valve
820	25.00	1.19	0.07	Active Valve
821	25.00	1.19	0.02	Active Valve
822	25.00	1.19	0.07	Active Valve
823	0.00	0.00	0.00	Active Valve
824	0.00	0.00	0.00	Active Valve
827	25.00	1.19	0.02	Active Valve
828	25.00	1.19	0.07	Active Valve
829	0.00	0.00	0.00	Active Valve
830	0.00	0.00	0.00	Active Valve
831	25.00	1.19	0.02	Active Valve
832	25.00	0.01	0.00	Active Valve

Report di calcolo dimensionamento in moto permanente

10. Comizio irriguo n.10

4. Ipotesi n.4: alimentazione di n.6 utenze appartenenti alla “Linea 1” e n.4 utenze appartenenti alla “Linea 2”, tutte poste ad est della stazione di sollevamento;

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*********************************************************************
*                          E P A N E T                              *
*                  Hydraulic and Water Quality                      *
*                  Analysis for Pipe Networks                       *
*                        Version 2.0                                *
*********************************************************************
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Input File: Linea_10_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 4.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	10.5	257.8
2	202	111	34.4	257.8
3	111	10	7	257.8
4	201	112	23.4	257.8
5	112	113	7	257.8
6	202	203	20.3	257.8
7	203	118	30	257.8
8	118	119	48	257.8
9	119	61	399.1	257.8
10	113	11	19.4	229.2
11	11	12	100	229.2
12	12	13	100	229.2
13	13	103	68.4	229.2
14	103	14	31.6	229.2
15	14	15	100	229.2
16	15	16	100	229.2
17	16	114	4.6	229.2
18	10	9	100	229.2
19	9	8	100	229.2
20	8	102	11.1	229.2
21	102	7	88.9	229.2
22	7	6	100	229.2
23	6	110	60.7	229.2
24	110	5	39.3	229.2
25	5	101	98.1	229.2
26	101	4	1.9	163.6
27	203	31	59.1	229.2
28	31	32	100	229.2
29	32	33	100	229.2
30	33	106	37.8	229.2
31	106	34	62.2	229.2
32	34	35	100	229.2
33	35	120	83.3	229.2
34	50	51	90	229.2
35	51	304	77.9	229.2
36	304	52	12.1	229.2
37	52	53	90	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	53	54	90	229.2
39	54	55	90	229.2
40	55	305	17.6	229.2
41	305	56	72.4	229.2
42	56	57	90	229.2
43	50	49	100	229.2
44	49	303	32.7	229.2
45	303	48	67.3	229.2
46	48	47	100	229.2
47	47	46	100	229.2
48	46	302	31.9	229.2
49	302	45	68.1	229.2
50	45	44	99.4	229.2
51	114	17	95.4	163.6
52	17	18	100	163.6
53	18	19	100	163.6
54	19	39	28.2	163.6

55	4	3	100	163.6	
56	3	109	40.6	163.6	
57	109	2	59.4	163.6	
58	2	1	100	163.6	
59	1	21	28.3	163.6	
60	120	36	16.7	163.6	
61	36	37	100	163.6	
62	37	38	100	163.6	
63	38	39	100	163.6	
64	57	58	90	163.6	
65	58	306	47.7	163.6	
66	306	121	5	163.6	
67	121	59	37.3	163.6	
68	59	60	90	163.6	
69	44	43	100.6	163.6	
70	43	301	32.5	163.6	
71	301	107	15	163.6	
72	107	42	52.5	163.6	
73	42	41	100	163.6	
74	41	40	87.9	163.6	
75	203	30	40.7	229.2	
76	30	29	100	229.2	
77	29	28	100	229.2	
78	28	105	42.6	229.2	
79	105	27	57.4	229.2	
80	27	26	100	229.2	
81	26	25	100	229.2	
82	25	117	29.2	229.2	
83	117	24	70.8	163.6	
84	24	104	19.3	163.6	

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
85	104	23	80.7	163.6	
86	23	116	16.9	163.6	
87	116	22	83.1	163.6	
88	22	21	100	163.6	
89	19	115	67.5	130.8	
90	115	20	314.1	130.8	
91	400	501	5	200	
92	400	502	5	200	
93	400	503	5	200	
94	400	504	5	200	
99	505	509	2.05	150	
100	506	510	2.05	150	
101	507	511	2.05	150	
102	508	512	2.05	150	
103	509	510	1.5	300	
104	510	511	1.5	300	
105	511	512	1.5	300	
106	512	513	3	300	
107	513	514	4	300	
108	514	201	5	300	
95	61	62	2.9	257.8	
96	62	63	13.1	257.8	
97	63	64	3.26	257.8	
98	64	50	235.9	257.8	
601	501	505	#N/A	#N/A	Pump
602	502	506	#N/A	#N/A	Pump
603	503	507	#N/A	#N/A	Pump
604	504	508	#N/A	#N/A	Pump
801	20	701	#N/A	163.5	Valve
802	701	702	#N/A	163.5	Valve
803	39	703	#N/A	163.6	Valve
804	703	704	#N/A	163.6	Valve
805	1	705	#N/A	163.6	Valve
806	705	706	#N/A	163.6	Valve
807	21	707	#N/A	163.6	Valve
808	707	708	#N/A	163.6	Valve
809	26	709	#N/A	163.6	Valve
810	709	710	#N/A	163.6	Valve
811	15	711	#N/A	163.6	Valve
812	711	712	#N/A	163.6	Valve
813	40	713	#N/A	163.6	Valve

814	713	714	#N/A	163.6	Valve
815	45	715	#N/A	163.6	Valve
816	715	716	#N/A	163.6	Valve
817	55	717	#N/A	163.6	Valve
818	717	718	#N/A	163.6	Valve
819	60	719	#N/A	163.6	Valve

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
820	719	720	#N/A	163.6	Valve
821	6	721	#N/A	163.6	Valve
822	721	722	#N/A	163.6	Valve
823	35	723	#N/A	163.6	Valve
824	723	724	#N/A	163.6	Valve
827	11	727	#N/A	163.6	Valve
828	727	728	#N/A	163.6	Valve
829	31	729	#N/A	163.6	Valve
830	729	730	#N/A	163.6	Valve
831	50	731	#N/A	163.6	Valve
832	731	732	#N/A	1636	Valve
833	53	733	#N/A	163.6	Valve
834	733	734	#N/A	163.6	Valve
835	58	735	#N/A	163.6	Valve
836	735	736	#N/A	163.6	Valve

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.33	73.34	73.34	0.00
602	100.00	75.00	0.33	73.37	73.37	0.00
603	100.00	75.00	0.33	73.51	73.51	0.00
604	100.00	75.00	0.33	73.88	73.88	0.00
				Demand Charge:		0.00
				Total Cost:		0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	92.00	85.73	0.00
2	0.00	92.09	86.22	0.00
3	0.00	92.17	86.38	0.00
4	0.00	92.26	86.07	0.00
5	0.00	92.28	86.47	0.00
6	0.00	92.29	86.40	0.00
7	0.00	92.31	86.02	0.00
8	0.00	92.32	85.72	0.00
9	0.00	92.34	86.14	0.00
10	0.00	92.36	86.56	0.00
11	0.00	92.18	86.38	0.00
12	0.00	91.55	85.35	0.00
13	0.00	90.91	84.31	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
14	0.00	90.28	83.54	0.00
15	0.00	89.65	83.31	0.00
16	0.00	89.46	83.52	0.00
17	0.00	88.50	82.19	0.00
18	0.00	87.51	80.80	0.00
19	0.00	86.49	79.38	0.00
20	0.00	76.97	70.74	0.00
21	0.00	91.97	85.49	0.00
22	0.00	91.88	85.80	0.00
23	0.00	91.80	85.98	0.00

24	0.00	91.72	85.66	0.00
25	0.00	91.65	85.76	0.00
26	0.00	91.64	85.36	0.00
27	0.00	91.62	84.96	0.00
28	0.00	91.60	84.89	0.00
29	0.00	91.59	85.28	0.00
30	0.00	91.57	85.66	0.00
31	0.00	90.89	84.90	0.00
32	0.00	90.37	83.98	0.00
33	0.00	89.84	83.05	0.00
34	0.00	89.32	82.63	0.00
35	0.00	88.80	82.51	0.00
36	0.00	88.57	82.53	0.00
37	0.00	87.90	81.36	0.00
38	0.00	87.23	80.19	0.00
39	0.00	86.48	78.94	0.00
40	0.00	82.98	76.73	0.00
41	0.00	82.98	76.38	0.00
42	0.00	82.98	75.99	0.00
43	0.00	82.98	76.18	0.00
44	0.00	82.98	75.78	0.00
45	0.00	82.98	76.18	0.00
46	0.00	82.98	76.53	0.00
47	0.00	82.98	76.13	0.00
48	0.00	82.98	76.53	0.00
49	0.00	82.98	76.68	0.00
50	0.00	82.98	76.28	0.00
51	0.00	81.88	75.54	0.00
52	0.00	80.78	74.25	0.00
53	0.00	79.69	72.80	0.00
54	0.00	79.17	71.92	0.00
55	0.00	78.65	71.76	0.00
56	0.00	78.13	70.94	0.00
57	0.00	77.58	70.03	0.00
58	0.00	74.90	67.71	0.00
59	0.00	74.16	67.07	0.00
60	0.00	73.36	66.63	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
101	0.00	92.26	86.06	0.00
102	0.00	92.32	85.67	0.00
103	0.00	90.48	83.61	0.00
104	0.00	91.73	85.59	0.00
105	0.00	91.61	84.73	0.00
106	0.00	89.65	82.71	0.00
107	0.00	82.98	75.78	0.00
109	0.00	92.14	86.51	0.00
110	0.00	92.28	86.63	0.00
111	0.00	92.36	86.58	0.00
112	0.00	92.53	86.84	0.00
113	0.00	92.43	86.71	0.00
114	0.00	89.44	83.52	0.00
115	0.00	84.83	77.83	0.00
116	0.00	91.81	86.06	0.00
117	0.00	91.66	85.88	0.00
118	0.00	91.21	85.21	0.00
119	0.00	90.65	84.65	0.00
120	0.00	88.69	82.73	0.00
201	0.00	92.70	87.10	0.00
202	0.00	92.36	86.72	0.00
203	0.00	91.56	85.81	0.00
301	0.00	82.98	77.52	0.00
302	0.00	82.98	77.57	0.00
303	0.00	82.98	77.60	0.00
304	0.00	80.93	75.45	0.00
305	0.00	78.55	72.61	0.00
306	0.00	74.51	68.30	0.00
121	0.00	74.47	67.23	0.00
501	0.00	6.86	-2.14	0.00
502	0.00	6.86	-2.14	0.00
503	0.00	6.86	-2.14	0.00
504	0.00	6.86	-2.14	0.00
505	0.00	96.98	87.98	0.00

506	0.00	96.96	87.96	0.00
507	0.00	96.87	87.87	0.00
508	0.00	96.66	87.66	0.00
509	0.00	95.33	84.28	0.00
510	0.00	95.31	84.26	0.00
511	0.00	95.20	84.15	0.00
512	0.00	94.98	83.93	0.00
513	0.00	94.17	83.12	0.00
514	0.00	93.62	86.42	0.00
701	0.00	76.95	70.72	0.00
702	25.00	76.88	68.76	0.00
703	0.00	86.46	78.92	0.00
704	25.00	86.38	77.35	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality	
705	0.00	92.00	85.73	0.00	
706	0.00	92.00	84.03	0.00	
707	0.00	91.97	85.49	0.00	
708	0.00	91.97	83.95	0.00	
709	0.00	91.64	85.75	0.00	
710	0.00	91.64	83.57	0.00	
711	0.00	89.63	83.29	0.00	
712	25.00	89.55	81.17	0.00	
713	0.00	82.98	76.73	0.00	
714	0.00	82.98	74.35	0.00	
715	0.00	82.98	76.18	0.00	
716	0.00	82.98	74.66	0.00	
717	0.00	78.65	71.76	0.00	
718	0.00	78.65	70.04	0.00	
719	0.00	73.33	66.60	0.00	
720	25.00	73.26	64.05	0.00	
721	0.00	92.29	86.40	0.00	
722	0.00	92.29	84.55	0.00	
723	0.00	88.78	82.49	0.00	
724	25.00	88.70	80.24	0.00	
727	0.00	92.15	86.35	0.00	
728	25.00	92.08	83.53	0.00	
729	0.00	90.86	84.87	0.00	
730	25.00	90.79	82.43	0.00	
731	0.00	82.96	76.26	0.00	
732	25.00	82.96	76.26	0.00	
733	0.00	79.66	72.77	0.00	
734	25.00	79.59	71.11	0.00	
735	0.00	74.88	67.69	0.00	
736	25.00	74.81	65.66	0.00	
61	0.00	85.97	80.58	0.00	
62	0.00	85.94	77.66	0.00	
63	0.00	85.78	77.19	0.00	
64	0.00	85.75	79.99	0.00	
400	-250.00	7.20	0.00	0.00	Reservoir

Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	172.42	3.30	32.15	Open
2	7.26	0.14	0.09	Open
3	7.26	0.14	0.15	Open
4	77.58	1.49	7.33	Open
5	77.58	1.49	13.75	Open
6	165.16	3.16	39.24	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
7	100.00	1.92	11.72	Open
8	100.00	1.92	11.72	Open
9	100.00	1.92	11.72	Open

10	77.58	1.88	12.99	Open
11	52.58	1.27	6.32	Open
12	52.58	1.27	6.32	Open
13	52.58	1.27	6.32	Open
14	52.58	1.27	6.32	Open
15	52.58	1.27	6.32	Open
16	27.58	0.67	1.91	Open
17	27.58	0.67	3.89	Open
18	7.26	0.18	0.16	Open
19	7.26	0.18	0.16	Open
20	7.26	0.18	0.16	Open
21	7.26	0.18	0.16	Open
22	7.26	0.18	0.16	Open
23	7.26	0.18	0.16	Open
24	7.26	0.18	0.16	Open
25	7.26	0.18	0.17	Open
26	7.26	0.35	0.84	Open
27	72.42	1.76	11.44	Open
28	47.42	1.15	5.22	Open
29	47.42	1.15	5.22	Open
30	47.42	1.15	5.22	Open
31	47.42	1.15	5.22	Open
32	47.42	1.15	5.22	Open
33	22.42	0.54	1.38	Open
34	75.00	1.82	12.20	Open
35	75.00	1.82	12.20	Open
36	75.00	1.82	12.20	Open
37	75.00	1.82	12.20	Open
38	50.00	1.21	5.76	Open
39	50.00	1.21	5.76	Open
40	50.00	1.21	5.76	Open
41	50.00	1.21	5.76	Open
42	50.00	1.21	6.09	Open
43	0.00	0.00	0.00	Open
44	0.00	0.00	0.00	Open
45	0.00	0.00	0.00	Open
46	0.00	0.00	0.00	Open
47	0.00	0.00	0.00	Open
48	0.00	0.00	0.00	Open
49	0.00	0.00	0.00	Open
50	0.00	0.00	0.00	Open
51	27.58	1.31	9.89	Open
52	27.58	1.31	9.89	Open
53	27.58	1.31	10.24	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
54	2.58	0.12	0.13	Open
55	7.26	0.35	0.84	Open
56	7.26	0.35	0.84	Open
57	7.26	0.35	0.83	Open
58	7.26	0.35	0.91	Open
59	7.26	0.35	0.92	Open
60	22.42	1.07	6.74	Open
61	22.42	1.07	6.74	Open
62	22.42	1.07	6.74	Open
63	22.42	1.07	7.43	Open
64	50.00	2.38	29.75	Open
65	25.00	1.19	8.24	Open
66	25.00	1.19	8.24	Open
67	25.00	1.19	8.24	Open
68	25.00	1.19	8.96	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
71	0.00	0.00	0.00	Open
72	0.00	0.00	0.00	Open
73	0.00	0.00	0.00	Open
74	0.00	0.00	0.00	Open
75	-7.26	0.18	0.16	Open
76	-7.26	0.18	0.16	Open
77	-7.26	0.18	0.16	Open
78	-7.26	0.18	0.16	Open
79	-7.26	0.18	0.16	Open
80	-7.26	0.18	0.16	Open

81	-7.26	0.18	0.16	Open
82	-7.26	0.18	0.18	Open
83	-7.26	0.35	0.84	Open
84	-7.26	0.35	0.84	Open
85	-7.26	0.35	0.84	Open
86	-7.26	0.35	0.83	Open
87	-7.26	0.35	0.84	Open
88	-7.26	0.35	0.91	Open
89	25.00	1.86	24.51	Open
90	25.00	1.86	25.02	Open
91	62.26	1.98	67.32	Open
92	62.31	1.98	67.41	Open
93	62.49	1.99	67.79	Open
94	62.94	2.00	68.75	Open
99	62.26	3.52	805.70	Open
100	62.31	3.53	806.88	Open
101	62.49	3.54	811.49	Open
102	62.94	3.56	823.25	Open
103	62.26	0.88	17.52	Open
104	124.57	1.76	68.42	Open

Page 10
Link Results: (continued)

Link ID	Flow LPS	Velocity m/s	Unit Headloss m/km	Status
105	187.06	2.65	152.22	Open
106	250.00	3.54	269.40	Open
107	250.00	3.54	136.66	Open
108	250.00	3.54	184.45	Open
95	100.00	1.92	11.72	Open
96	100.00	1.92	11.72	Open
97	100.00	1.92	11.72	Open
98	100.00	1.92	11.72	Open
601	62.26	0.00	-90.12	Open Pump
602	62.31	0.00	-90.10	Open Pump
603	62.49	0.00	-90.01	Open Pump
604	62.94	0.00	-89.81	Open Pump
801	25.00	1.19	0.02	Active Valve
802	25.00	1.19	0.07	Active Valve
803	25.00	1.19	0.02	Active Valve
804	25.00	1.19	0.07	Active Valve
805	0.00	0.00	0.00	Active Valve
806	0.00	0.00	0.00	Active Valve
807	0.00	0.00	0.00	Active Valve
808	0.00	0.00	0.00	Active Valve
809	0.00	0.00	0.00	Active Valve
810	0.00	0.00	0.00	Active Valve
811	25.00	1.19	0.02	Active Valve
812	25.00	1.19	0.07	Active Valve
813	0.00	0.00	0.00	Active Valve
814	0.00	0.00	0.00	Active Valve
815	0.00	0.00	0.00	Active Valve
816	0.00	0.00	0.00	Active Valve
817	0.00	0.00	0.00	Active Valve
818	0.00	0.00	0.00	Active Valve
819	25.00	1.19	0.02	Active Valve
820	25.00	1.19	0.07	Active Valve
821	0.00	0.00	0.00	Active Valve
822	0.00	0.00	0.00	Active Valve
823	25.00	1.19	0.02	Active Valve
824	25.00	1.19	0.07	Active Valve
827	25.00	1.19	0.02	Active Valve
828	25.00	1.19	0.07	Active Valve
829	25.00	1.19	0.02	Active Valve
830	25.00	1.19	0.07	Active Valve
831	25.00	1.19	0.02	Active Valve
832	25.00	0.01	0.00	Active Valve
833	25.00	1.19	0.02	Active Valve
834	25.00	1.19	0.07	Active Valve
835	25.00	1.19	0.02	Active Valve
836	25.00	1.19	0.07	Active Valve

Report di calcolo dimensionamento in moto permanente

10. Comizio irriguo n.10

5. Ipotesi n.5: alimentazione di n.8 utenze terminali dei rami della rete per entrambe le linee: “Linea 1” e “Linea 2”.

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**********************************************************************
*                          E P A N E T                               *
*                  Hydraulic and Water Quality                       *
*                  Analysis for Pipe Networks                        *
*                        Version 2.0                                 *
**********************************************************************
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Input File: Linea_10_Qmax_H-W_Pompe_ETN_125-100-315 - IPO 5.net

Link - Node Table:

Link ID	Start Node	End Node	Length m	Diameter mm
1	201	202	10.5	257.8
2	202	111	34.4	257.8
3	111	10	7	257.8
4	201	112	23.4	257.8
5	112	113	7	257.8
6	202	203	20.3	257.8
7	203	118	30	257.8
8	118	119	48	257.8
9	119	61	399.1	257.8
10	113	11	19.4	229.2
11	11	12	100	229.2
12	12	13	100	229.2
13	13	103	68.4	229.2
14	103	14	31.6	229.2
15	14	15	100	229.2
16	15	16	100	229.2
17	16	114	4.6	229.2
18	10	9	100	229.2
19	9	8	100	229.2
20	8	102	11.1	229.2
21	102	7	88.9	229.2
22	7	6	100	229.2
23	6	110	60.7	229.2
24	110	5	39.3	229.2
25	5	101	98.1	229.2
26	101	4	1.9	163.6
27	203	31	59.1	229.2
28	31	32	100	229.2
29	32	33	100	229.2
30	33	106	37.8	229.2
31	106	34	62.2	229.2
32	34	35	100	229.2
33	35	120	83.3	229.2
34	50	51	90	229.2
35	51	304	77.9	229.2
36	304	52	12.1	229.2
37	52	53	90	229.2

Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm
38	53	54	90	229.2
39	54	55	90	229.2
40	55	305	17.6	229.2
41	305	56	72.4	229.2
42	56	57	90	229.2
43	50	49	100	229.2
44	49	303	32.7	229.2
45	303	48	67.3	229.2
46	48	47	100	229.2
47	47	46	100	229.2
48	46	302	31.9	229.2
49	302	45	68.1	229.2
50	45	44	99.4	229.2
51	114	17	95.4	163.6
52	17	18	100	163.6
53	18	19	100	163.6
54	19	39	28.2	163.6

55	4	3	100	163.6	
56	3	109	40.6	163.6	
57	109	2	59.4	163.6	
58	2	1	100	163.6	
59	1	21	28.3	163.6	
60	120	36	16.7	163.6	
61	36	37	100	163.6	
62	37	38	100	163.6	
63	38	39	100	163.6	
64	57	58	90	163.6	
65	58	306	47.7	163.6	
66	306	121	5	163.6	
67	121	59	37.3	163.6	
68	59	60	90	163.6	
69	44	43	100.6	163.6	
70	43	301	32.5	163.6	
71	301	107	15	163.6	
72	107	42	52.5	163.6	
73	42	41	100	163.6	
74	41	40	87.9	163.6	
75	203	30	40.7	229.2	
76	30	29	100	229.2	
77	29	28	100	229.2	
78	28	105	42.6	229.2	
79	105	27	57.4	229.2	
80	27	26	100	229.2	
81	26	25	100	229.2	
82	25	117	29.2	229.2	
83	117	24	70.8	163.6	
84	24	104	19.3	163.6	

Page 3
Link - Node Table: (continued)

Link ID	Start Node	End Node	Length m	Diameter mm	
85	104	23	80.7	163.6	
86	23	116	16.9	163.6	
87	116	22	83.1	163.6	
88	22	21	100	163.6	
89	19	115	67.5	130.8	
90	115	20	314.1	130.8	
91	400	501	5	200	
92	400	502	5	200	
93	400	503	5	200	
94	400	504	5	200	
99	505	509	2.05	150	
100	506	510	2.05	150	
101	507	511	2.05	150	
102	508	512	2.05	150	
103	509	510	1.5	300	
104	510	511	1.5	300	
105	511	512	1.5	300	
106	512	513	3	300	
107	513	514	4	300	
108	514	201	5	300	
95	61	62	2.9	257.8	
96	62	63	13.1	257.8	
97	63	64	3.26	257.8	
98	64	50	235.9	257.8	
601	501	505	#N/A	#N/A	Pump
602	502	506	#N/A	#N/A	Pump
603	503	507	#N/A	#N/A	Pump
604	504	508	#N/A	#N/A	Pump
801	20	701	#N/A	163.5	Valve
802	701	702	#N/A	163.5	Valve
803	39	703	#N/A	163.6	Valve
804	703	704	#N/A	163.6	Valve
805	1	705	#N/A	163.6	Valve
806	705	706	#N/A	163.6	Valve
807	21	707	#N/A	163.6	Valve
808	707	708	#N/A	163.6	Valve
813	40	713	#N/A	163.6	Valve
814	713	714	#N/A	163.6	Valve
815	45	715	#N/A	163.6	Valve
816	715	716	#N/A	163.6	Valve
817	55	717	#N/A	163.6	Valve

818	717	718	#N/A	163.6	Valve
819	60	719	#N/A	163.6	Valve
820	719	720	#N/A	163.6	Valve

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Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /m3	Avg. Kw	Peak Kw	Cost /day
601	100.00	75.00	0.35	62.06	62.06	0.00
602	100.00	75.00	0.35	62.10	62.10	0.00
603	100.00	75.00	0.35	62.29	62.29	0.00
604	100.00	75.00	0.35	62.69	62.69	0.00

Demand Charge: 0.00
Total Cost: 0.00

Node Results:

Node ID	Demand LPS	Head m	Pressure m	Quality
1	0.00	95.15	88.88	0.00
2	0.00	96.20	90.33	0.00
3	0.00	97.14	91.35	0.00
4	0.00	98.09	91.90	0.00
5	0.00	98.30	92.49	0.00
6	0.00	98.48	92.59	0.00
7	0.00	98.67	92.38	0.00
8	0.00	98.85	92.25	0.00
9	0.00	99.03	92.83	0.00
10	0.00	99.22	93.42	0.00
11	0.00	99.53	93.73	0.00
12	0.00	99.34	93.14	0.00
13	0.00	99.15	92.55	0.00
14	0.00	98.96	92.22	0.00
15	0.00	98.78	92.44	0.00
16	0.00	98.59	92.65	0.00
17	0.00	97.64	91.33	0.00
18	0.00	96.67	89.96	0.00
19	0.00	95.66	88.55	0.00
20	0.00	86.15	79.92	0.00
21	0.00	95.15	88.67	0.00
22	0.00	95.93	89.85	0.00
23	0.00	96.64	90.82	0.00
24	0.00	97.35	91.29	0.00
25	0.00	97.89	92.00	0.00
26	0.00	98.03	91.75	0.00
27	0.00	98.17	91.51	0.00
28	0.00	98.30	91.59	0.00
29	0.00	98.44	92.13	0.00
30	0.00	98.58	92.67	0.00
31	0.00	98.56	92.57	0.00
32	0.00	98.42	92.03	0.00
33	0.00	98.29	91.50	0.00
34	0.00	98.16	91.47	0.00

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Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
35	0.00	98.02	91.73	0.00
36	0.00	97.79	91.75	0.00
37	0.00	97.11	90.57	0.00
38	0.00	96.42	89.38	0.00
39	0.00	95.66	88.12	0.00
40	0.00	83.74	77.49	0.00
41	0.00	84.53	77.93	0.00
42	0.00	85.35	78.36	0.00
43	0.00	86.18	79.38	0.00
44	0.00	87.01	79.81	0.00
45	0.00	87.17	80.37	0.00
46	0.00	87.75	81.30	0.00

47	0.00	88.32	81.47	0.00
48	0.00	88.90	82.45	0.00
49	0.00	89.47	83.17	0.00
50	0.00	90.05	83.35	0.00
51	0.00	89.53	83.19	0.00
52	0.00	89.01	82.48	0.00
53	0.00	88.50	81.61	0.00
54	0.00	87.98	80.73	0.00
55	0.00	87.46	80.57	0.00
56	0.00	87.32	80.13	0.00
57	0.00	87.16	79.61	0.00
58	0.00	86.42	79.23	0.00
59	0.00	85.68	78.59	0.00
60	0.00	84.87	78.14	0.00
101	0.00	98.11	91.91	0.00
102	0.00	98.83	92.18	0.00
103	0.00	99.02	92.15	0.00
104	0.00	97.21	91.07	0.00
105	0.00	98.25	91.37	0.00
106	0.00	98.24	91.30	0.00
107	0.00	85.78	78.58	0.00
109	0.00	96.76	91.13	0.00
110	0.00	98.37	92.72	0.00
111	0.00	99.23	93.45	0.00
112	0.00	99.58	93.89	0.00
113	0.00	99.56	93.84	0.00
114	0.00	98.57	92.65	0.00
115	0.00	94.01	87.01	0.00
116	0.00	96.52	90.77	0.00
117	0.00	97.85	92.07	0.00
118	0.00	98.28	92.28	0.00
119	0.00	97.72	91.72	0.00
120	0.00	97.91	91.95	0.00
201	0.00	99.60	94.00	0.00
202	0.00	99.26	93.62	0.00

Node Results: (continued)

Node ID	Demand LPS	Head m	Pressure m	Quality
203	0.00	98.63	92.88	0.00
301	0.00	85.91	80.45	0.00
302	0.00	87.56	82.15	0.00
303	0.00	89.29	83.91	0.00
304	0.00	89.08	83.60	0.00
305	0.00	87.43	81.49	0.00
306	0.00	86.03	79.82	0.00
121	0.00	85.99	78.75	0.00
501	0.00	6.98	-2.02	0.00
502	0.00	6.98	-2.02	0.00
503	0.00	6.98	-2.02	0.00
504	0.00	6.98	-2.02	0.00
505	0.00	102.37	93.37	0.00
506	0.00	102.35	93.35	0.00
507	0.00	102.29	93.29	0.00
508	0.00	102.16	93.16	0.00
509	0.00	101.30	90.25	0.00
510	0.00	101.29	90.24	0.00
511	0.00	101.22	90.17	0.00
512	0.00	101.07	90.02	0.00
513	0.00	100.55	89.50	0.00
514	0.00	100.20	93.00	0.00
701	0.00	86.13	79.90	0.00
702	25.00	86.05	77.93	0.00
703	0.00	95.63	88.09	0.00
704	25.00	95.56	86.53	0.00
705	0.00	95.12	88.85	0.00
706	25.00	95.05	87.08	0.00
707	0.00	95.12	88.64	0.00
708	25.00	95.05	87.03	0.00
713	0.00	83.71	77.46	0.00
714	25.00	83.64	75.01	0.00
715	0.00	87.15	80.35	0.00
716	25.00	87.07	78.75	0.00
717	0.00	87.43	80.54	0.00
718	25.00	87.36	78.75	0.00

719	0.00	84.85	78.12	0.00	
720	25.00	84.78	75.57	0.00	
61	0.00	93.04	87.65	0.00	
62	0.00	93.01	84.73	0.00	
63	0.00	92.85	84.26	0.00	
64	0.00	92.82	87.06	0.00	
400	-200.00	7.20	0.00	0.00	Reservoir

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Link Results:

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
1	172.67	3.31	32.24	Open
2	26.96	0.52	1.03	Open
3	26.96	0.52	1.81	Open
4	27.33	0.52	1.06	Open
5	27.33	0.52	1.86	Open
6	145.71	2.79	30.97	Open
7	100.00	1.92	11.72	Open
8	100.00	1.92	11.72	Open
9	100.00	1.92	11.72	Open
10	27.33	0.66	1.88	Open
11	27.33	0.66	1.88	Open
12	27.33	0.66	1.88	Open
13	27.33	0.66	1.88	Open
14	27.33	0.66	1.88	Open
15	27.33	0.66	1.88	Open
16	27.33	0.66	1.88	Open
17	27.33	0.66	3.83	Open
18	26.96	0.65	1.83	Open
19	26.96	0.65	1.83	Open
20	26.96	0.65	1.83	Open
21	26.96	0.65	1.83	Open
22	26.96	0.65	1.83	Open
23	26.96	0.65	1.83	Open
24	26.96	0.65	1.83	Open
25	26.96	0.65	1.92	Open
26	26.96	1.28	9.48	Open
27	22.67	0.55	1.33	Open
28	22.67	0.55	1.33	Open
29	22.67	0.55	1.33	Open
30	22.67	0.55	1.33	Open
31	22.67	0.55	1.33	Open
32	22.67	0.55	1.33	Open
33	22.67	0.55	1.40	Open
34	50.00	1.21	5.76	Open
35	50.00	1.21	5.76	Open
36	50.00	1.21	5.76	Open
37	50.00	1.21	5.76	Open
38	50.00	1.21	5.76	Open
39	50.00	1.21	5.76	Open
40	25.00	0.61	1.60	Open
41	25.00	0.61	1.60	Open
42	25.00	0.61	1.68	Open
43	50.00	1.21	5.76	Open
44	50.00	1.21	5.76	Open
45	50.00	1.21	5.76	Open
46	50.00	1.21	5.76	Open
47	50.00	1.21	5.76	Open

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Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
48	50.00	1.21	5.76	Open
49	50.00	1.21	5.76	Open
50	25.00	0.61	1.67	Open
51	27.33	1.30	9.72	Open
52	27.33	1.30	9.72	Open
53	27.33	1.30	10.07	Open
54	2.33	0.11	0.11	Open
55	26.96	1.28	9.48	Open

56	26.96	1.28	9.48	Open
57	26.96	1.28	9.48	Open
58	26.96	1.28	10.48	Open
59	1.96	0.09	0.08	Open
60	22.67	1.08	6.87	Open
61	22.67	1.08	6.87	Open
62	22.67	1.08	6.87	Open
63	22.67	1.08	7.58	Open
64	25.00	1.19	8.24	Open
65	25.00	1.19	8.24	Open
66	25.00	1.19	8.24	Open
67	25.00	1.19	8.24	Open
68	25.00	1.19	8.96	Open
69	25.00	1.19	8.24	Open
70	25.00	1.19	8.24	Open
71	25.00	1.19	8.24	Open
72	25.00	1.19	8.24	Open
73	25.00	1.19	8.24	Open
74	25.00	1.19	8.98	Open
75	23.04	0.56	1.37	Open
76	23.04	0.56	1.37	Open
77	23.04	0.56	1.37	Open
78	23.04	0.56	1.37	Open
79	23.04	0.56	1.37	Open
80	23.04	0.56	1.37	Open
81	23.04	0.56	1.37	Open
82	23.04	0.56	1.59	Open
83	23.04	1.10	7.09	Open
84	23.04	1.10	7.09	Open
85	23.04	1.10	7.09	Open
86	23.04	1.10	7.09	Open
87	23.04	1.10	7.09	Open
88	23.04	1.10	7.82	Open
89	25.00	1.86	24.51	Open
90	25.00	1.86	25.02	Open
91	49.78	1.58	43.71	Open
92	49.82	1.59	43.78	Open
93	50.00	1.59	44.08	Open
94	50.39	1.60	44.75	Open

Link Results: (continued)

Link ID	Flow LPS	VelocityUnit m/s	Headloss m/km	Status
99	49.78	2.82	517.77	Open
100	49.82	2.82	518.70	Open
101	50.00	2.83	522.34	Open
102	50.39	2.85	530.48	Open
103	49.78	0.70	11.29	Open
104	99.60	1.41	44.08	Open
105	149.61	2.12	98.09	Open
106	200.00	2.83	173.64	Open
107	200.00	2.83	88.69	Open
108	200.00	2.83	119.27	Open
95	100.00	1.92	11.72	Open
96	100.00	1.92	11.72	Open
97	100.00	1.92	11.72	Open
98	100.00	1.92	11.72	Open
601	49.78	0.00	-95.38	Open Pump
602	49.82	0.00	-95.37	Open Pump
603	50.00	0.00	-95.31	Open Pump
604	50.39	0.00	-95.19	Open Pump
801	25.00	1.19	0.02	Active Valve
802	25.00	1.19	0.07	Active Valve
803	25.00	1.19	0.02	Active Valve
804	25.00	1.19	0.07	Active Valve
805	25.00	1.19	0.02	Active Valve
806	25.00	1.19	0.07	Active Valve
807	25.00	1.19	0.02	Active Valve
808	25.00	1.19	0.07	Active Valve
813	25.00	1.19	0.02	Active Valve
814	25.00	1.19	0.07	Active Valve
815	25.00	1.19	0.02	Active Valve
816	25.00	1.19	0.07	Active Valve
817	25.00	1.19	0.02	Active Valve
818	25.00	1.19	0.07	Active Valve

819	25.00	1.19	0.02	Active Valve
820	25.00	1.19	0.07	Active Valve

All.4 Verifiche in moto vario

1. *Comizio irriguo n.1*

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_1\Relazione\L1_D.doc
Date Created: Friday, January 22, 2021 - Time: 6 : 10 PM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 1 - Portata massima 200 l/s

```
    5    1
   60    2   30
   35    2   50
   68    4   50
   97    2   50
  116    2   50
   100.00   -10.00
 300.0000     0.1005
```

Time	Pipe 60@ 30%	Pipe 35@ 50%	Pipe 68@ 50%	Pipe 97@ 50%	Pipe 116@ 50%
0.0000	92.38	89.51	77.75	85.79	89.92
0.1005	92.40	89.51	77.75	85.79	89.92
0.2009	92.40	89.51	77.75	85.78	89.94
0.3014	94.94	89.51	77.75	85.77	89.94
0.4018	96.77	89.51	77.72	85.77	89.94
0.5023	92.08	89.51	77.72	85.76	89.94
0.6027	89.01	89.51	77.73	85.75	90.00
0.7032	90.99	89.43	77.74	85.75	89.87
0.8036	90.25	89.45	77.74	85.80	89.96
0.9041	90.94	89.51	77.74	85.67	89.94
1.0045	93.19	89.50	77.74	85.74	89.94
1.1050	95.05	89.50	77.74	85.74	89.94
1.2054	93.76	89.50	77.74	85.75	89.94
1.3059	91.02	89.50	77.74	85.76	89.94
1.4063	89.59	89.50	77.74	85.76	89.95
1.5068	88.84	89.50	77.74	85.77	89.93
1.6072	91.24	89.50	77.74	85.77	91.89
1.7077	93.50	89.50	77.76	85.78	91.58
1.8082	93.67	89.52	77.73	85.78	87.85
1.9086	93.39	89.52	77.76	85.80	87.53
2.0091	91.87	89.52	77.73	85.80	88.75
2.1095	91.55	89.52	77.74	87.97	87.91
2.2100	90.46	89.46	77.76	89.51	88.80
2.3104	91.07	89.47	77.75	85.52	92.30
2.4109	92.76	89.47	77.71	82.97	93.42
2.5113	90.45	89.47	77.70	84.61	90.12
2.6118	90.96	89.47	77.70	83.94	88.96
2.7122	95.20	89.47	77.69	84.43	87.50
2.8127	93.72	89.47	77.68	86.59	86.10
2.9131	89.35	89.48	77.66	88.11	89.93
3.0136	89.82	89.49	77.73	87.14	91.49
3.1140	91.37	89.49	77.73	84.67	90.44
3.2145	92.94	89.49	77.71	83.37	90.05
3.3149	92.62	89.50	77.71	82.62	89.80
3.4154	91.17	89.50	77.73	84.67	88.29
3.5159	90.56	89.51	77.72	86.63	88.67
3.6163	92.50	89.51	77.71	86.87	90.99
3.7168	92.94	89.51	77.74	86.76	89.06
3.8172	91.35	91.12	77.74	85.34	87.21
3.9177	92.63	92.90	79.59	84.90	90.28
4.0181	91.52	90.43	80.91	84.01	91.97
4.1186	88.41	87.37	76.88	84.52	89.83
4.2190	91.93	87.77	74.23	86.03	88.15
4.3195	94.99	87.84	76.84	84.03	87.57
4.4199	91.84	88.04	77.05	84.59	89.03
4.5204	90.15	89.59	76.99	88.16	90.28

4.6208	91.36	91.32	78.82	86.76	89.40
4.7213	93.17	90.98	79.95	83.12	89.52
4.8217	91.39	89.08	78.52	83.68	90.02
4.9222	89.55	87.58	76.17	84.86	90.45
5.0226	92.44	86.46	75.45	86.17	88.77
5.1231	95.16	87.69	75.49	86.02	88.40
5.2236	92.59	89.82	77.54	84.72	89.08
5.3240	88.70	90.55	79.30	84.13	87.54
5.4245	90.54	90.46	78.77	85.80	88.75
5.5249	93.66	89.54	78.19	86.12	92.26
5.6254	92.31	89.05	77.15	84.75	91.66
5.7258	89.98	88.08	76.93	86.00	88.41
5.8263	91.04	88.02	76.52	85.02	87.24
5.9267	94.09	89.25	76.99	82.27	89.22
6.0272	93.19	88.20	78.41	85.56	90.47
6.1276	90.23	88.09	76.52	87.99	88.72
6.2281	89.99	91.02	76.53	85.02	88.34
6.3285	91.25	91.17	80.30	83.84	90.68
6.4290	92.77	88.04	79.02	84.93	91.07
6.5294	92.94	87.12	74.77	86.27	88.00
6.6299	92.06	87.90	75.63	84.79	87.86
6.7303	90.63	89.24	77.79	83.30	90.69
6.8308	90.37	89.77	78.74	85.98	90.10
6.9313	92.54	88.96	78.23	88.20	88.61
7.0317	93.01	88.10	76.75	85.84	88.05
7.1322	91.72	89.10	76.26	82.50	89.01
7.2326	90.76	89.99	78.06	84.16	90.73
7.3331	90.87	88.82	78.77	86.69	89.70
7.4335	92.61	88.77	77.28	85.62	88.45
7.5340	92.19	88.94	77.82	83.92	87.89
7.6344	91.46	87.76	77.17	84.85	89.38
7.7349	90.59	89.08	74.56	87.17	90.67
7.8353	89.95	91.02	77.41	86.35	89.31
7.9358	93.11	89.52	80.45	83.86	89.21
8.0362	94.33	87.39	77.32	83.85	88.49
8.1367	92.19	88.13	75.86	84.72	88.25
8.2371	91.17	90.53	77.72	85.84	90.12
8.3376	89.56	89.30	78.82	86.29	89.93
8.4380	90.20	87.30	76.80	85.79	89.09
8.5385	92.91	88.88	75.10	84.35	88.05
8.6390	92.69	90.48	77.99	83.86	89.11
8.7394	91.61	89.25	80.44	85.78	90.10
8.8399	90.67	87.02	77.75	86.28	89.29
8.9403	91.97	87.90	74.57	85.25	89.34
9.0408	92.89	89.92	76.46	84.48	87.89
9.1412	91.40	89.57	79.71	84.42	87.20
9.2417	91.12	87.70	78.28	85.93	89.65
9.3421	90.40	87.44	75.31	85.67	91.10
9.4426	91.26	89.70	76.34	85.75	90.59
9.5430	93.15	90.56	79.16	86.00	88.89
9.6435	93.12	89.41	78.16	83.82	86.97
9.7439	91.15	87.99	75.68	84.52	89.51
9.8444	89.73	86.50	75.99	86.44	90.21
9.9448	92.11	88.10	77.57	85.40	87.86
10.0453	93.15	89.97	78.38	84.31	88.32
10.1457	91.21	89.10	78.09	83.70	89.03
10.2462	90.93	88.04	77.24	85.10	90.64
10.3467	90.43	87.79	75.91	86.96	89.89
10.4471	91.53	89.55	75.90	85.28	89.10
10.5476	93.64	90.76	78.12	83.67	88.54
10.6480	92.06	88.90	78.74	83.07	87.69

10.7485	90.74	86.48	76.99	85.17	89.47
10.8489	90.69	86.67	76.02	86.99	89.70
10.9494	91.73	89.45	76.83	85.50	89.38
11.0498	92.61	90.41	78.16	84.97	89.22
11.1503	91.93	89.32	77.35	83.99	88.02
11.2507	91.24	88.12	76.72	84.33	89.40
11.3512	90.09	86.48	76.62	85.70	90.66
11.4516	91.61	88.26	76.61	85.66	88.86
11.5521	93.79	90.53	78.78	84.97	87.03
11.6525	91.99	89.63	79.11	83.42	87.95
11.7530	90.48	88.29	76.91	84.84	90.86
11.8534	90.45	86.27	75.89	87.28	90.75
11.9539	91.26	86.95	74.96	85.70	89.04
12.0544	92.33	91.11	76.55	83.38	88.58
12.1548	91.90	90.65	79.73	82.70	88.09
12.2553	91.49	87.45	78.33	84.88	89.50
12.3557	90.58	86.82	75.55	87.25	89.10
12.4562	90.60	88.29	75.52	85.74	88.45
12.5566	92.51	90.16	77.63	84.01	89.24
12.6571	92.30	89.14	78.52	83.63	89.64
12.7575	91.67	87.96	76.95	85.06	90.07
12.8580	90.14	87.73	76.56	86.27	89.08
12.9584	90.30	88.80	76.42	85.16	88.98
13.0589	92.68	89.78	76.97	84.71	88.79
13.1593	92.56	88.88	78.48	83.26	87.57
13.2598	90.78	88.78	78.02	83.03	88.75
13.3602	89.94	87.61	76.35	86.43	89.66
13.4607	91.48	86.75	75.75	87.12	89.37
13.5611	92.93	89.44	77.65	84.40	88.51
13.6616	91.58	90.65	78.52	83.53	88.21
13.7621	90.95	89.04	76.88	85.00	90.08
13.8625	90.26	87.48	76.37	86.13	89.80
13.9630	90.65	87.86	76.07	84.60	88.96
14.0634	92.35	89.33	76.73	83.36	87.71
14.1639	92.67	88.66	78.56	84.30	86.62
14.2643	92.17	88.25	77.75	86.25	90.33
14.3648	89.68	88.63	76.24	86.93	91.04
14.4652	90.06	88.48	76.17	84.45	88.54
14.5657	92.73	88.83	76.64	83.62	87.57
14.6661	92.06	88.63	77.78	84.21	87.46
14.7666	90.75	88.79	77.90	84.71	89.61
14.8670	90.17	88.66	76.74	85.39	90.38
14.9675	91.44	88.10	75.84	85.20	89.36
15.0679	92.82	88.08	77.11	85.48	88.27
15.1684	92.05	88.59	78.76	84.52	87.00
15.2688	90.74	89.54	77.55	84.12	89.14
15.3693	89.22	88.53	75.83	85.54	90.37
15.4698	90.87	87.71	75.57	84.98	88.95
15.5702	92.87	88.67	76.73	84.27	88.01
15.6707	92.68	88.88	78.05	84.20	87.18
15.7711	91.98	89.17	77.78	85.15	89.82
15.8716	89.62	88.57	76.79	85.63	90.54
15.9720	89.77	87.70	75.94	85.10	88.64
16.0725	92.48	87.98	76.56	85.19	87.88
16.1729	92.57	88.26	78.30	84.12	87.13
16.2734	90.85	88.89	77.73	84.23	89.63
16.3738	89.52	88.84	76.00	85.59	90.72
16.4743	91.37	88.24	75.44	84.77	88.87
16.5747	93.31	88.45	76.73	84.62	87.82
16.6752	91.72	88.03	78.46	84.27	87.31
16.7756	90.36	87.96	78.03	84.67	89.27

16.8761	89.79	88.14	76.56	85.82	90.82
16.9766	91.05	88.46	75.98	85.20	89.28
17.0770	92.80	89.20	77.03	84.39	87.52
17.1775	92.12	88.45	77.53	83.62	87.45
17.2779	90.78	88.24	76.39	84.94	89.90
17.3784	89.50	88.52	76.53	86.14	90.54
17.4788	91.17	88.51	76.75	84.78	88.23
17.5793	93.25	88.66	77.01	84.18	87.52
17.6797	91.67	87.35	77.81	84.62	88.02
17.7802	90.60	87.65	77.56	85.17	89.87
17.8806	89.94	89.41	76.99	84.88	89.94
17.9811	90.52	89.17	75.83	83.86	88.61
18.0815	92.59	88.36	76.19	84.42	88.37
18.1820	91.62	87.06	77.77	84.98	88.01
18.2824	90.93	87.83	77.30	85.27	89.02
18.3829	90.63	89.12	76.63	85.67	89.71
18.4833	91.11	88.55	76.47	84.46	89.16
18.5838	92.56	88.52	76.92	83.99	88.11
18.6843	91.52	88.26	77.77	84.16	87.44
18.7847	90.75	88.49	77.15	84.63	89.84
18.8852	90.15	88.28	76.09	85.59	90.60
18.9856	90.98	87.76	75.58	85.00	88.37
19.0861	92.87	88.74	77.03	84.64	87.21
19.1865	91.82	88.29	78.47	84.32	87.70
19.2870	90.56	87.89	77.70	84.64	90.18
19.3874	90.16	88.42	76.38	85.43	90.16
19.4879	91.18	88.37	75.34	84.39	88.03
19.5883	92.61	88.67	76.56	84.33	88.36
19.6888	91.49	88.34	78.28	84.59	88.54
19.7892	90.69	88.28	77.37	84.57	89.43
19.8897	90.33	88.27	75.82	85.26	89.44
19.9901	91.03	87.67	75.60	84.59	88.27
20.0906	92.43	88.30	77.32	84.34	88.07
20.1910	91.38	88.51	78.42	84.57	87.89
20.2915	90.73	88.52	76.90	84.98	89.69
20.3920	89.61	88.55	75.78	85.66	90.20
20.4924	88.53	87.98	75.93	84.15	88.40
20.5929	87.64	88.39	76.92	83.75	87.45
20.6933	84.67	88.24	77.91	84.81	87.44
20.7938	81.07	88.08	77.19	85.44	90.46
20.8942	79.69	88.11	76.13	85.41	91.05
20.9947	81.05	87.90	75.82	84.18	87.76
21.0951	79.96	88.35	77.11	84.11	87.25
21.1956	75.62	88.27	78.26	84.70	88.11
21.2960	71.24	88.70	77.01	85.07	89.65
21.3965	72.34	88.93	76.03	85.19	89.94
21.4969	74.78	87.70	75.76	84.31	88.11
21.5974	71.02	87.62	76.52	84.44	87.57
21.6978	65.95	88.44	77.82	84.97	86.81
21.7983	62.95	88.76	77.12	85.01	86.86
21.8987	64.72	88.30	76.34	84.76	85.09
21.9992	66.76	87.69	76.27	84.02	80.72
22.0997	63.97	88.35	76.92	84.23	78.08
22.2001	59.94	88.66	77.90	83.94	78.59
22.3006	57.73	88.45	76.93	82.97	79.91
22.4010	57.82	88.13	75.91	81.41	78.37
22.5015	60.71	87.72	75.98	78.20	73.75
22.6019	58.49	88.43	77.11	75.73	70.87
22.7024	54.35	88.31	78.26	75.33	72.43
22.8028	57.65	88.16	77.06	75.53	72.49
22.9033	62.21	88.55	75.79	73.63	69.14

23.0037	59.30	88.15	76.10	70.25	64.79
23.1042	58.44	88.23	77.17	67.11	64.73
23.2046	61.06	88.12	77.71	68.53	67.72
23.3051	60.83	88.71	76.60	69.96	66.14
23.4055	57.78	88.97	76.01	65.41	63.21
23.5060	57.67	87.88	76.30	60.82	60.45
23.6064	58.98	88.17	77.10	58.39	57.10
23.7069	58.56	88.25	77.72	60.43	60.34
23.8074	58.92	88.09	76.67	61.96	62.55
23.9078	59.41	87.79	76.08	58.54	59.55
24.0083	58.75	86.51	75.61	55.19	57.43
24.1087	59.74	85.27	74.83	53.28	61.98
24.2092	60.22	82.58	74.28	53.74	61.46
24.3096	60.93	79.92	72.54	56.65	59.75
24.4101	60.23	79.04	70.30	52.99	61.32
24.5105	59.77	78.58	70.08	48.42	61.18
24.6110	59.60	77.20	71.42	53.04	58.17
24.7114	59.24	73.96	70.16	58.39	58.09
24.8119	61.19	71.00	66.86	55.01	59.66
24.9123	62.52	72.12	64.28	53.45	60.32
25.0128	61.40	72.54	66.31	56.04	58.00
25.1132	61.21	68.60	69.00	56.21	58.34
25.2137	61.58	64.56	65.19	53.74	58.47
25.3141	62.54	62.49	60.88	53.19	59.72
25.4146	62.53	63.47	59.80	53.37	60.22
25.5151	62.32	64.01	62.42	53.42	58.82
25.6155	61.68	61.86	64.63	54.94	57.98
25.7160	60.72	58.81	61.39	56.01	59.28
25.8164	61.85	56.34	57.96	54.67	59.62
25.9169	63.10	56.39	57.32	54.62	59.12
26.0173	62.79	57.96	58.28	55.36	57.32
26.1178	62.51	56.31	61.30	56.61	58.86
26.2182	61.96	52.84	59.04	56.80	60.36
26.3187	62.82	54.34	54.72	56.12	60.75
26.4191	63.45	59.39	58.75	54.66	60.04
26.5196	63.06	58.26	64.05	54.33	59.79
26.6200	62.15	55.63	60.45	57.22	60.36
26.7205	60.75	56.68	58.14	59.28	60.42
26.8209	60.75	58.01	61.50	57.39	60.06
26.9214	62.11	57.14	61.73	56.19	59.68
27.0218	62.59	55.70	58.54	56.74	58.07
27.1223	61.88	55.45	58.67	58.42	58.43
27.2228	60.54	55.27	60.04	59.20	59.19
27.3232	60.93	56.36	59.59	58.53	59.54
27.4237	61.69	58.19	59.98	56.66	58.09
27.5241	61.81	57.17	60.48	56.23	56.96
27.6246	61.39	56.47	59.18	58.31	57.36
27.7250	59.83	57.48	59.18	59.75	57.98
27.8255	59.92	58.62	59.88	58.60	57.09
27.9259	60.85	58.51	60.60	57.37	55.37
28.0264	60.88	57.35	59.91	57.26	54.02
28.1268	61.06	56.25	58.68	58.90	54.48
28.2273	60.11	55.34	57.79	59.99	55.58
28.3277	59.22	56.74	57.31	58.58	54.65
28.4282	59.24	58.25	59.47	56.43	53.20
28.5286	60.11	55.39	60.92	55.93	53.22
28.6291	60.09	53.56	58.30	57.11	52.77
28.7295	59.08	54.59	56.57	58.21	53.41
28.8300	58.19	55.66	57.07	57.88	53.07
28.9305	58.12	55.06	58.20	56.94	50.34
29.0309	59.28	52.42	57.79	56.32	49.61

29.1314	59.30	50.10	56.24	56.95	50.55
29.2318	58.42	50.50	54.70	57.43	49.96
29.3323	57.47	51.76	53.73	56.98	49.83
29.4327	57.33	51.73	54.77	56.02	51.47
29.5332	58.31	49.67	55.52	55.07	50.21
29.6336	58.13	47.75	53.61	54.93	48.37
29.7341	57.54	48.14	52.45	54.65	48.73
29.8345	57.57	48.49	52.66	53.33	51.14
29.9350	56.62	47.34	53.43	51.93	49.51
30.0354	57.25	46.19	52.92	51.09	46.97
30.1359	57.46	45.33	51.41	51.11	47.19
30.2363	54.94	44.78	50.61	50.55	49.14
30.3368	54.61	45.75	49.89	49.25	50.44
30.4372	56.61	46.55	49.26	47.17	49.01
30.5377	56.00	45.45	49.76	47.33	47.44
30.6382	54.23	44.62	49.72	48.49	47.80
30.7386	54.59	45.85	49.14	46.35	47.64
30.8391	55.38	45.58	48.16	44.27	49.91
30.9395	54.98	44.42	48.33	43.19	49.41
31.0400	54.32	44.75	49.10	43.99	47.67
31.1404	53.42	44.34	49.20	45.12	48.82
31.2409	52.23	43.71	48.09	43.27	51.13
31.3413	51.48	44.10	47.49	41.52	49.60
31.4418	52.19	44.26	47.93	40.46	48.83
31.5422	52.09	43.43	47.99	41.06	49.32
31.6427	50.87	43.01	47.59	42.98	49.35
31.7431	49.16	43.54	47.69	41.17	48.95
31.8436	48.58	43.98	46.71	38.93	50.27
31.9440	48.68	43.22	46.40	40.15	49.43
32.0445	49.11	43.22	46.93	42.14	48.62
32.1449	47.35	45.06	46.97	41.41	49.35
32.2454	44.22	45.37	45.56	40.20	50.73
32.3459	44.06	43.59	44.22	40.57	49.46
32.4463	45.61	43.12	44.62	40.03	48.91
32.5468	45.09	44.23	45.26	39.36	49.32
32.6472	43.34	44.36	44.92	39.55	49.90
32.7477	40.97	43.27	43.95	39.46	49.70
32.8481	40.79	42.96	43.25	38.91	49.29
32.9486	41.19	43.47	43.87	38.54	47.58
33.0490	40.74	44.50	44.36	38.50	46.53
33.1495	39.49	45.51	44.26	37.44	46.07
33.2499	36.99	45.12	42.95	37.64	46.49
33.3504	37.21	44.45	42.26	38.38	44.40
33.4508	38.77	45.07	42.69	38.34	42.31
33.5513	37.99	45.46	42.36	38.37	41.87
33.6517	35.95	45.28	41.89	38.22	42.55
33.7522	34.50	45.11	41.19	37.80	41.24
33.8526	36.14	45.26	40.19	37.70	38.75
33.9531	36.81	44.55	41.69	37.75	36.36
34.0536	35.22	43.64	42.89	38.23	36.22
34.1540	34.83	44.14	41.30	38.46	35.86
34.2545	34.40	45.00	40.14	37.69	34.65
34.3549	34.85	44.42	41.31	37.02	32.54
34.4554	34.72	43.06	41.43	38.12	31.55
34.5558	33.86	42.27	40.19	38.28	30.75
34.6563	33.62	42.94	39.67	38.07	30.32
34.7567	33.12	43.40	39.53	36.83	30.21
34.8572	32.82	42.45	39.06	35.91	29.32
34.9576	33.50	40.84	38.59	36.66	26.58
35.0581	32.99	40.41	38.92	36.72	26.22
35.1585	31.52	40.98	39.04	36.57	27.52

35.2590	31.44	40.72	38.01	36.42	27.47
35.3594	32.69	39.62	37.27	35.30	26.50
35.4599	32.32	38.56	36.94	35.84	26.34
35.5603	31.85	37.67	36.79	36.01	26.04
35.6608	31.19	37.56	37.00	34.65	26.69
35.7613	31.16	37.83	35.75	32.92	27.57
35.8617	31.43	36.03	34.25	33.45	27.61
35.9622	31.07	33.79	35.51	33.53	25.87
36.0626	30.83	33.79	37.10	32.39	25.20
36.1631	30.30	34.12	36.16	32.36	26.57
36.2635	29.52	32.90	34.47	32.76	27.45
36.3640	30.04	31.14	33.88	32.10	26.80
36.4644	30.08	30.94	34.48	31.66	27.08
36.5649	29.81	30.65	34.64	31.43	27.23
36.6653	29.35	29.41	33.99	31.14	27.53
36.7658	29.43	29.17	33.12	30.30	28.57
36.8662	29.18	28.15	32.31	30.04	29.08
36.9667	29.28	26.55	33.17	29.08	28.41
37.0671	28.88	26.17	33.93	28.67	27.74
37.1676	28.49	26.19	32.72	29.13	28.68
37.2680	28.29	25.46	31.48	28.95	29.14
37.3685	28.57	24.83	31.64	28.23	28.64
37.4690	28.54	24.80	32.93	27.77	28.47
37.5694	28.48	24.46	32.70	28.39	28.58
37.6699	28.06	24.03	31.43	28.24	28.81
37.7703	27.18	23.71	31.71	26.51	29.17
37.8708	27.32	22.77	31.82	26.19	28.96
37.9712	28.35	22.44	31.56	26.27	28.35
38.0717	27.84	22.77	31.16	25.79	28.17
38.1721	26.88	22.85	30.46	25.48	28.64
38.2726	27.14	21.59	30.12	24.92	28.35
38.3730	28.13	21.43	29.76	24.56	27.61
38.4735	28.03	22.21	29.78	25.14	27.41
38.5739	27.61	22.46	30.12	25.43	28.43
38.6744	27.57	21.72	29.32	24.66	28.65
38.7748	27.64	20.75	27.88	23.88	27.74
38.8753	27.77	20.51	27.99	23.93	27.09
38.9757	27.93	20.47	29.06	24.28	27.06
39.0762	27.37	20.39	28.47	24.03	26.52
39.1767	27.10	20.10	27.25	23.26	26.47
39.2771	27.24	19.10	26.25	22.88	26.56
39.3776	27.67	18.72	26.58	23.14	26.31
39.4780	27.18	19.21	27.59	23.53	25.51
39.5785	27.06	19.74	27.02	23.37	25.84
39.6789	26.90	19.40	25.76	22.73	26.70
39.7794	26.19	18.67	24.81	22.40	26.93
39.8798	25.95	18.52	24.50	22.85	25.89
39.9803	26.43	18.66	25.05	22.78	24.60
40.0807	26.13	18.58	24.72	22.46	24.78
40.1812	25.46	18.41	23.47	22.64	25.71
40.2816	24.90	18.11	22.86	22.61	24.90
40.3821	24.88	18.01	23.35	22.47	23.88
40.4825	24.54	18.19	23.45	22.29	22.87
40.5830	23.93	18.02	23.10	22.44	22.72
40.6834	23.55	17.67	22.52	22.97	23.64
40.7839	23.02	17.94	22.19	22.69	23.61
40.8844	22.89	17.89	22.39	22.46	22.38
40.9848	23.22	17.33	22.28	22.38	21.58
41.0853	22.89	16.97	21.78	22.28	21.67
41.1857	22.50	17.55	21.58	22.46	22.09
41.2862	21.84	18.40	21.20	22.20	21.66

41.3866	22.06	18.23	20.90	21.68	21.00
41.4871	22.04	18.02	21.11	21.83	20.19
41.5875	21.00	18.17	21.33	21.86	19.84
41.6880	20.89	17.79	21.02	21.38	20.29
41.7884	20.84	17.93	20.71	21.26	20.59
41.8889	20.41	18.40	20.96	21.24	19.69
41.9893	20.33	18.03	21.38	21.09	18.89
42.0898	20.59	17.58	21.06	20.35	18.99
42.1902	20.47	18.00	20.73	19.61	19.46
42.2907	19.48	18.66	20.91	19.34	19.36
42.3911	18.92	19.06	20.92	18.96	18.94
42.4916	20.08	18.89	20.92	18.82	18.69
42.5921	20.14	18.78	20.90	18.57	18.65
42.6925	18.73	18.47	20.45	17.69	18.82
42.7930	17.92	18.79	20.39	17.49	18.86
42.8934	18.62	19.47	20.54	17.73	18.53
42.9939	19.14	19.45	20.47	17.54	18.13
43.0943	19.18	19.19	19.98	16.70	18.10
43.1948	18.29	19.39	19.48	16.36	18.49
43.2952	17.48	19.86	18.96	16.42	18.43
43.3957	17.98	20.44	18.71	15.88	18.15
43.4961	18.63	20.63	19.02	15.64	17.98
43.5966	18.36	20.34	19.15	15.61	18.00
43.6970	17.96	19.69	18.44	14.94	17.80
43.7975	17.45	19.86	18.07	14.65	18.04
43.8979	17.66	20.33	18.03	15.17	18.03
43.9984	17.77	20.02	18.04	14.99	17.57
44.0988	17.81	19.72	17.62	14.24	17.32
44.1993	17.58	19.88	17.02	14.10	17.30
44.2998	17.08	20.01	16.80	14.56	17.30
44.4002	16.94	19.92	16.90	14.30	16.82
44.5007	17.30	19.47	16.99	13.49	16.18
44.6011	16.82	19.46	16.89	12.95	16.24
44.7016	16.59	19.48	16.42	13.02	16.48
44.8020	16.80	18.98	16.39	13.32	16.24
44.9025	17.04	18.18	16.45	13.54	15.72
45.0029	16.55	17.70	16.55	13.30	15.58
45.1034	16.63	18.07	16.29	12.55	15.66
45.2038	16.63	18.02	15.77	12.32	15.49
45.3043	16.48	17.06	16.04	12.83	14.71
45.4047	15.99	16.64	16.31	13.02	14.25
45.5052	15.91	16.63	15.84	12.49	14.19
45.6056	15.90	16.24	15.70	12.20	13.99
45.7061	15.44	15.86	16.22	11.95	13.93
45.8065	15.32	15.76	16.06	12.11	13.48
45.9070	15.76	15.12	15.13	12.81	12.86
46.0075	15.56	15.04	14.93	12.82	12.86
46.1079	15.40	15.42	16.13	12.11	13.20
46.2084	15.42	14.96	16.07	11.86	12.82
46.3088	14.97	14.37	14.54	11.91	12.19
46.4093	14.60	14.72	14.27	12.26	12.28
46.5097	14.83	14.78	15.21	12.05	12.23
46.6102	14.66	14.29	15.55	11.84	11.92
46.7106	14.03	14.04	15.09	12.30	11.68
46.8111	13.74	14.12	14.30	12.37	11.64
46.9115	13.97	14.11	14.12	12.40	11.50
47.0120	13.98	14.05	14.89	12.41	11.31
47.1124	13.68	13.99	15.32	12.56	11.41
47.2129	13.40	13.98	14.84	12.22	11.25
47.3133	13.34	14.33	14.35	11.82	11.22
47.4138	13.52	14.69	14.27	11.97	11.37

47.5142	13.35	14.46	14.34	11.88	11.11
47.6147	12.97	14.07	14.04	11.87	10.70
47.7152	12.92	14.33	13.95	12.07	10.82
47.8156	12.77	14.97	14.11	12.06	11.16
47.9161	12.67	14.97	13.72	12.26	10.97
48.0165	12.69	14.32	13.52	12.40	10.70
48.1170	12.46	14.12	13.67	12.08	10.93
48.2174	12.32	14.72	13.49	11.59	11.06
48.3179	12.13	15.04	13.55	11.59	11.12
48.4183	12.16	15.25	13.71	11.71	10.92
48.5188	12.25	14.90	13.61	11.22	10.68
48.6192	12.19	14.50	13.00	10.82	11.00
48.7197	11.98	14.62	13.17	10.91	11.03
48.8201	11.69	15.17	13.46	11.10	10.90
48.9206	11.62	15.15	13.25	10.93	10.84
49.0210	11.87	14.37	12.83	10.66	10.75
49.1215	11.87	13.81	12.77	10.83	10.94
49.2220	11.66	14.11	12.87	10.88	10.82
49.3224	11.32	14.23	12.58	10.65	10.62
49.4229	11.46	13.89	12.65	10.44	10.69
49.5233	11.66	13.70	13.17	10.25	10.68
49.6238	11.80	13.77	12.86	9.97	10.52
49.7242	11.72	13.53	12.70	9.93	10.47
49.8247	11.52	13.13	12.88	9.99	10.68
49.9251	11.10	13.04	12.66	10.00	10.47
50.0256	11.43	12.99	12.44	9.77	10.28
50.1260	11.89	12.86	12.69	9.67	10.26
50.2265	11.47	12.50	12.61	9.69	9.96
50.3269	10.96	11.93	12.04	9.67	10.02
50.4274	11.07	11.75	12.06	9.74	10.20
50.5278	11.41	12.17	12.56	9.57	9.78
50.6283	11.47	12.08	12.48	9.25	9.44
50.7287	11.16	11.05	12.08	9.10	9.79
50.8292	11.08	10.93	11.86	9.31	9.93
50.9297	11.15	11.45	12.08	9.63	9.67
51.0301	11.34	11.33	12.38	9.43	9.70
51.1306	11.15	10.95	12.18	8.98	9.91
51.2310	10.98	10.90	11.85	9.03	9.73
51.3315	11.10	10.87	11.81	9.40	9.56
51.4319	11.27	10.75	11.80	9.50	9.84
51.5324	11.04	10.53	11.83	9.27	9.62
51.6328	10.77	10.36	11.83	9.04	9.24
51.7333	10.86	10.10	11.74	9.03	9.38
51.8337	11.13	10.17	11.71	9.17	9.54
51.9342	10.98	10.03	11.69	9.56	9.43
52.0346	11.14	9.70	11.79	9.37	9.37
52.1351	11.06	9.76	11.96	9.13	9.61
52.2355	10.98	10.10	11.89	9.05	9.55
52.3360	11.11	10.18	11.71	9.17	9.49
52.4364	11.28	9.74	11.52	9.29	9.53
52.5369	11.06	9.44	11.46	9.31	9.27
52.6374	10.86	9.71	11.63	9.26	9.23
52.7378	10.96	9.73	11.79	9.22	9.41
52.8383	11.05	9.64	11.75	9.33	9.52
52.9387	10.89	9.50	11.35	9.30	9.37
53.0392	10.76	9.45	11.44	9.28	9.43
53.1396	10.87	9.87	11.98	9.46	9.66
53.2401	10.72	10.07	12.18	9.30	9.56
53.3405	10.58	9.97	11.83	9.11	9.73
53.4410	10.79	10.19	11.56	9.12	9.91
53.5414	10.73	10.19	11.56	9.17	9.73

53.6419	10.60	9.91	11.86	9.42	9.91
53.7423	10.71	9.81	11.98	9.24	9.99
53.8428	10.75	10.02	11.63	9.30	10.08
53.9432	10.54	10.09	11.31	9.50	10.02
54.0437	10.56	9.98	11.62	9.26	10.03
54.1441	10.70	9.91	11.97	9.28	10.20
54.2446	10.69	9.96	11.87	9.24	10.18
54.3451	10.61	10.12	11.50	9.27	10.12
54.4455	10.70	10.53	11.65	8.96	10.26
54.5460	10.76	10.57	12.19	9.00	10.33
54.6464	10.92	10.11	12.25	9.21	10.23
54.7469	10.95	10.02	11.79	9.04	10.39
54.8473	10.83	10.37	11.70	8.89	10.52
54.9478	10.80	10.51	12.04	8.90	10.25
55.0482	11.03	10.71	12.14	8.89	10.32
55.1487	11.20	10.77	11.91	8.90	10.54
55.2491	11.11	10.34	11.67	8.70	10.27
55.3496	10.99	10.62	11.77	8.73	10.21
55.4500	11.12	11.10	12.03	8.73	10.36
55.5505	11.29	10.95	11.94	8.70	10.43
55.6509	11.24	10.52	11.85	8.69	10.39
55.7514	11.29	10.37	11.97	8.60	10.16
55.8518	10.98	10.46	11.86	8.72	10.52
55.9523	10.95	10.48	11.82	8.99	10.31
56.0528	11.31	10.25	11.74	9.08	10.40
56.1532	11.43	10.26	11.64	8.89	10.37
56.2537	11.28	10.00	11.51	8.89	10.06
56.3541	10.87	9.86	11.37	9.20	10.27
56.4546	11.15	10.22	11.37	9.30	10.46
56.5550	11.40	10.44	11.35	9.24	9.95
56.6555	11.24	10.26	11.09	9.29	9.71
56.7559	11.26	9.84	10.92	9.26	10.14
56.8564	11.14	9.75	10.84	9.44	10.38
56.9568	11.10	9.98	11.05	10.02	9.57
57.0573	11.37	10.02	11.20	10.12	9.63
57.1577	11.35	10.00	11.02	9.85	9.98
57.2582	11.28	9.75	10.82	9.78	10.03
57.3586	11.33	9.68	10.90	10.11	9.66
57.4591	11.45	10.20	11.23	10.15	10.00
57.5595	11.32	10.38	11.09	10.07	9.64
57.6600	11.36	10.02	10.76	9.91	9.40
57.7605	11.34	10.12	10.57	10.10	9.29
57.8609	11.27	10.28	10.81	10.13	10.20
57.9614	11.45	10.07	11.07	9.87	9.77
58.0618	11.60	9.85	11.04	9.60	9.18
58.1623	11.67	9.96	10.79	9.56	9.53
58.2627	11.44	10.15	10.91	9.87	10.09
58.3632	11.29	9.95	11.21	9.72	9.96
58.4636	11.64	9.74	11.27	9.25	9.81
58.5641	11.64	9.77	11.19	9.19	9.81
58.6645	11.52	10.07	11.10	9.57	9.67
58.7650	11.87	10.41	11.11	9.73	9.89
58.8654	11.83	10.21	11.19	9.63	10.14
58.9659	11.90	9.64	11.06	9.51	9.76
59.0663	11.75	9.59	10.93	9.44	9.61
59.1668	11.83	9.97	11.06	9.41	10.02
59.2672	11.70	10.04	11.14	9.42	10.36
59.3677	11.82	9.73	11.08	9.38	9.88
59.4682	11.65	9.77	10.77	9.21	9.95
59.5686	11.46	9.87	10.72	8.80	10.15
59.6691	11.50	10.22	11.16	8.63	9.80

59.7695	11.60	10.66	11.35	9.05	9.94
59.8700	11.42	10.39	11.10	9.21	10.15
59.9704	11.17	9.99	10.63	9.00	10.15
60.0709	11.25	10.05	10.72	8.98	10.06
60.1713	11.49	10.48	11.16	9.17	10.26
60.2718	11.12	10.62	10.97	9.11	10.23
60.3722	10.81	10.27	10.63	8.76	10.16
60.4727	10.98	10.36	10.35	8.90	10.51
60.5731	11.26	10.76	10.44	9.18	10.39
60.6736	11.16	10.80	10.82	8.81	10.12
60.7740	11.02	10.73	10.67	8.54	10.16
60.8745	10.85	10.72	10.49	8.43	10.08
60.9749	10.90	10.89	10.49	8.83	10.00
61.0754	11.29	11.02	10.55	8.67	9.71
61.1759	11.28	10.80	10.58	8.65	9.83
61.2763	10.95	10.55	10.56	8.83	9.74
61.3768	10.84	10.67	10.41	8.61	9.73
61.4772	11.17	11.27	10.23	8.52	9.68
61.5777	11.37	11.52	10.42	8.67	9.43
61.6781	11.16	11.02	10.56	8.89	9.50
61.7786	10.91	10.80	10.20	8.74	9.55
61.8790	11.13	11.02	9.92	8.41	9.24
61.9795	11.37	10.90	10.14	8.29	9.16
62.0799	11.28	10.81	10.53	8.33	9.26
62.1804	11.04	10.57	10.38	8.26	9.60
62.2808	10.84	10.34	10.24	8.17	9.50
62.3813	10.93	10.46	10.62	8.11	9.43
62.4817	11.18	10.67	10.72	8.10	9.48
62.5822	10.95	10.67	10.68	8.16	9.49
62.6826	10.55	10.40	10.42	8.16	9.70
62.7831	10.42	10.41	10.36	8.03	9.62
62.8836	10.51	10.56	10.41	8.07	9.38
62.9840	10.66	10.72	10.43	8.18	9.55
63.0845	10.55	10.61	10.42	8.11	9.24
63.1849	10.18	10.69	10.38	7.84	9.85
63.2854	10.17	10.60	10.49	7.95	9.70
63.3858	10.32	10.37	10.57	8.29	9.50
63.4863	10.37	10.44	10.48	8.34	9.84
63.5867	10.27	10.56	10.45	8.14	9.76
63.6872	10.05	10.49	10.50	8.10	9.24
63.7876	10.31	10.46	10.62	8.32	9.23
63.8881	10.27	10.25	10.51	8.42	9.53
63.9885	10.20	10.30	10.29	8.43	9.24
64.0890	10.01	10.68	10.41	8.27	8.69
64.1894	10.00	10.71	10.50	8.06	9.17
64.2899	10.18	10.45	10.39	8.39	9.18
64.3903	10.11	10.16	10.30	8.61	9.17
64.4908	10.15	10.22	10.22	8.34	9.04
64.5913	10.01	10.51	10.17	7.96	9.41
64.6917	9.99	10.51	10.19	7.79	9.08
64.7922	10.21	10.44	10.29	8.25	9.03
64.8926	10.37	10.17	10.40	8.12	9.35
64.9931	10.18	9.96	10.31	7.47	9.45
65.0935	9.82	10.35	10.29	7.43	8.72
65.1940	9.91	10.58	10.24	7.76	9.03
65.2944	10.27	10.24	10.19	8.08	9.22
65.3949	10.19	10.38	10.20	7.89	9.46
65.4953	9.87	10.51	10.29	7.69	9.34
65.5958	9.86	10.38	10.12	7.72	9.11
65.6962	10.07	10.56	9.80	8.02	8.99
65.7967	10.14	11.13	9.91	8.14	9.29

65.8971	10.16	10.46	10.10	7.87	9.63
65.9976	10.08	10.48	10.09	7.73	9.20
66.0980	10.12	10.76	9.99	7.91	8.80
66.1985	10.18	10.91	9.96	8.21	9.24
66.2990	10.21	10.47	10.01	8.35	9.49
66.3994	10.03	10.29	9.89	8.16	9.38
66.4999	10.01	10.18	9.86	8.16	8.96
66.6003	10.00	10.09	9.95	8.38	9.17
66.7008	10.13	10.32	9.88	8.65	9.16
66.8012	10.18	10.23	9.82	8.41	9.25
66.9017	10.19	9.91	9.70	7.92	9.45
67.0021	10.09	9.86	9.53	7.78	9.13
67.1026	10.38	10.16	9.60	8.29	9.33
67.2030	10.56	10.26	9.76	8.58	9.55
67.3035	10.39	10.20	9.83	8.05	9.62
67.4039	10.27	9.96	9.75	7.67	9.36
67.5044	10.42	9.70	9.81	7.88	9.38
67.6048	10.47	9.53	10.03	8.13	9.39
67.7053	10.67	9.46	9.97	7.97	9.38
67.8057	10.41	9.52	10.00	7.90	9.52
67.9062	10.32	9.43	9.92	8.02	9.33
68.0067	10.43	9.40	9.85	7.67	8.93
68.1071	10.71	9.42	9.94	7.59	9.14
68.2076	10.80	9.21	9.97	7.59	9.56
68.3080	10.57	9.19	9.84	7.61	9.53
68.4085	10.51	9.49	10.06	7.33	8.96
68.5089	10.91	9.63	10.33	7.28	9.23
68.6094	10.96	9.27	10.07	7.53	9.46
68.7098	10.98	8.79	9.46	7.52	9.13
68.8103	10.83	8.91	9.64	7.17	9.20
68.9107	10.72	9.39	10.31	7.33	9.35
69.0112	10.89	9.48	10.40	7.66	8.83
69.1116	11.01	9.15	9.84	7.76	9.09
69.2121	10.92	8.75	9.48	7.60	9.43
69.3125	10.60	8.94	9.70	7.38	9.18
69.4130	10.98	9.40	9.91	7.56	8.99
69.5134	11.20	9.70	9.93	7.94	9.26
69.6139	11.02	9.30	9.64	7.88	9.26
69.7144	10.76	9.49	9.46	7.54	9.11
69.8148	10.95	10.05	9.65	7.47	9.45
69.9153	11.20	10.28	9.83	7.74	9.26
70.0157	11.01	10.21	9.69	7.87	9.02
70.1162	10.88	10.30	9.51	7.71	9.13
70.2166	10.86	10.27	9.55	7.72	9.43
70.3171	10.78	10.53	9.58	8.24	9.65
70.4175	11.01	10.74	9.63	8.42	9.15
70.5180	11.01	10.66	9.64	8.39	9.45
70.6184	10.78	10.41	9.37	8.65	9.68
70.7189	10.79	10.66	9.48	8.85	9.37
70.8193	11.03	11.14	9.66	8.72	9.62
70.9198	11.37	10.95	9.59	8.62	9.80
71.0202	11.21	10.67	9.36	8.76	9.68
71.1207	11.12	10.71	9.20	8.49	9.43
71.2211	11.06	10.93	9.35	8.44	9.82
71.3216	11.14	10.94	9.74	8.71	10.12
71.4221	11.24	10.92	9.49	9.05	9.75
71.5225	10.86	10.76	9.25	8.63	10.20
71.6230	10.97	10.78	9.43	8.29	10.15
71.7234	11.05	10.79	9.67	8.84	10.17
71.8239	11.03	10.81	9.90	8.90	10.12
71.9243	10.89	10.74	9.60	8.51	10.35

72.0248	11.08	10.46	9.30	8.10	10.38
72.1252	11.37	10.63	9.41	8.48	9.97
72.2257	11.16	11.14	9.58	8.43	10.05
72.3261	10.68	11.32	9.86	8.13	10.65
72.4266	10.88	11.07	9.83	8.03	10.16
72.5270	11.31	10.83	9.43	8.11	10.05
72.6275	11.31	11.05	9.49	8.24	9.80
72.7279	10.98	11.39	9.83	8.29	9.92
72.8284	10.80	11.33	9.90	8.35	10.23
72.9288	10.95	10.87	9.60	8.38	10.11
73.0293	11.10	10.84	9.71	8.58	9.55
73.1298	11.22	11.01	9.73	8.77	9.29
73.2302	11.08	11.14	9.61	8.62	9.91
73.3307	11.07	10.95	9.45	8.39	10.13
73.4311	11.05	10.73	9.51	8.60	9.56
73.5316	11.11	10.72	9.65	8.74	9.37
73.6320	11.29	11.19	9.48	8.57	9.50
73.7325	11.14	11.23	9.38	8.51	9.79
73.8329	10.86	11.01	9.30	8.58	9.61
73.9334	10.69	10.70	9.25	8.92	9.86
74.0338	11.13	11.14	9.37	8.94	9.64
74.1343	11.25	11.53	9.52	8.59	9.24
74.2347	10.67	11.36	9.42	8.48	9.63
74.3352	10.47	10.96	9.33	8.60	9.65
74.4356	10.76	11.09	9.41	8.79	9.51
74.5361	11.02	11.91	9.66	8.88	9.37
74.6365	10.86	12.16	9.60	8.48	9.47
74.7370	10.62	11.74	9.52	8.12	9.57
74.8375	10.69	11.64	9.34	8.21	9.73
74.9379	10.82	11.91	9.39	8.53	9.74
75.0384	10.71	12.17	9.46	8.57	9.34
75.1388	10.64	11.79	9.23	8.50	9.15
75.2393	10.71	11.88	9.49	8.47	9.72
75.3397	10.46	11.95	9.64	8.42	9.75
75.4402	10.67	11.81	9.39	8.60	9.21
75.5406	10.55	11.72	9.39	8.61	8.98
75.6411	10.35	11.85	9.48	8.39	9.37
75.7415	10.36	11.78	9.64	8.54	9.43
75.8420	10.57	11.87	9.42	8.59	9.38
75.9424	10.69	11.93	9.28	8.91	9.35
76.0429	10.47	11.68	9.40	9.13	9.21
76.1433	10.20	11.39	9.45	8.82	9.04
76.2438	10.31	11.61	9.42	8.84	9.29
76.3442	10.43	12.06	9.43	8.96	9.23
76.4447	10.42	11.99	9.44	9.11	9.03
76.5452	10.27	11.30	9.48	8.99	8.90
76.6456	10.16	11.12	9.41	8.76	8.81
76.7461	10.14	11.60	9.62	8.71	9.04
76.8465	10.14	11.86	9.79	8.98	9.16
76.9470	10.22	11.32	9.85	9.06	8.93
77.0474	10.11	10.86	9.73	8.87	8.95
77.1479	10.11	11.19	9.69	8.62	9.15
77.2483	10.21	11.28	10.02	8.69	9.03
77.3488	10.25	10.97	10.10	8.84	9.09
77.4492	10.16	10.86	9.73	8.70	8.95
77.5497	10.10	10.73	9.56	8.37	8.84
77.6501	10.25	10.92	10.19	8.44	9.30
77.7506	10.35	10.93	10.35	8.50	9.15
77.8510	10.34	10.54	9.68	8.72	8.81
77.9515	10.41	10.60	9.61	9.03	9.12
78.0519	10.42	10.56	10.17	8.89	9.24

78.1524	10.50	10.46	10.35	8.45	9.07
78.2529	10.51	10.36	10.14	8.48	8.71
78.3533	10.76	10.44	9.83	8.97	9.03
78.4538	10.80	10.07	9.90	8.87	9.27
78.5542	10.59	9.97	9.91	8.64	9.02
78.6547	10.67	10.10	9.95	8.63	9.33
78.7551	10.63	9.95	10.08	8.99	9.18
78.8556	10.78	10.46	9.77	8.70	9.27
78.9560	10.94	10.74	9.48	8.40	9.22
79.0565	10.68	10.61	9.63	9.06	9.40
79.1569	10.70	10.33	9.78	9.17	9.38
79.2574	10.68	10.38	9.64	9.12	9.29
79.3578	10.77	10.51	9.56	9.02	9.46
79.4583	10.61	10.21	9.75	9.21	9.52
79.5587	10.75	10.33	9.83	9.27	9.11
79.6592	10.81	10.12	9.59	9.42	9.35
79.7596	10.84	9.94	9.45	9.52	9.36
79.8601	10.83	9.97	9.60	9.66	9.68
79.9606	10.89	10.33	9.70	9.52	9.55
80.0610	10.91	10.13	9.53	9.61	9.16
80.1615	10.87	10.01	9.44	9.83	9.16
80.2619	10.70	10.05	9.41	9.86	9.68
80.3624	10.82	9.85	9.45	9.78	9.84
80.4628	10.98	9.78	9.63	9.77	9.39
80.5633	10.82	10.00	9.73	9.43	9.24
80.6637	10.77	10.07	9.60	9.42	9.35
80.7642	10.78	9.93	9.41	9.98	9.71
80.8646	10.85	9.55	9.63	10.01	10.00
80.9651	10.93	9.63	9.97	9.49	9.55
81.0655	10.80	9.76	9.92	9.47	9.59
81.1660	10.75	9.85	9.69	9.70	9.68
81.2664	11.01	9.55	9.64	9.79	9.86
81.3669	11.05	9.19	9.83	9.28	9.93
81.4674	10.75	9.49	9.89	9.02	9.70
81.5678	10.99	9.47	10.09	8.95	9.60
81.6683	11.31	9.24	10.00	8.77	9.75
81.7687	11.06	8.74	9.91	8.93	10.24
81.8692	10.93	8.71	10.30	9.19	10.13
81.9696	10.85	9.23	10.61	8.90	9.80
82.0701	11.06	9.32	10.42	8.49	9.88
82.1705	11.02	8.89	10.08	8.83	10.15
82.2710	11.02	8.76	10.17	9.20	10.10
82.3714	11.07	8.90	10.36	8.96	10.33
82.4719	10.85	9.10	10.42	8.45	9.99
82.5723	10.98	9.10	10.24	8.70	9.87
82.6728	11.02	8.83	10.01	9.05	10.18
82.7732	11.00	8.44	10.02	8.87	10.36
82.8737	10.93	8.76	10.25	8.74	10.24
82.9741	10.82	9.05	10.23	8.67	10.20
83.0746	10.89	8.84	9.87	9.04	10.08
83.1751	11.08	9.03	9.90	9.23	10.25
83.2755	11.01	9.38	10.15	9.36	10.14
83.3760	10.80	9.59	10.21	9.21	10.15
83.4764	10.80	9.47	10.14	9.07	10.28
83.5769	11.02	9.14	10.13	9.20	10.35
83.6773	10.81	8.92	10.19	9.38	9.80
83.7778	10.71	9.01	10.14	9.34	9.91
83.8782	10.78	9.50	9.95	8.94	10.33
83.9787	10.75	9.12	10.10	8.78	10.17
84.0791	10.80	8.34	10.21	8.64	9.68
84.1796	10.71	8.46	10.04	8.68	10.06

84.2800	10.82	9.36	9.93	8.95	10.04
84.3805	10.75	9.25	9.97	8.89	9.60
84.4809	10.73	8.81	10.00	8.44	9.66
84.5814	11.01	8.70	10.07	8.38	9.71
84.6818	10.88	8.79	10.05	8.85	9.71
84.7823	10.77	9.05	9.97	8.64	9.86
84.8828	10.72	9.17	9.99	8.28	9.59
84.9832	10.93	9.00	9.92	8.16	9.41
85.0837	10.88	8.81	9.88	8.19	9.42
85.1841	10.89	9.04	10.13	8.38	9.71
85.2846	10.79	9.58	10.09	8.42	9.45
85.3850	10.66	9.58	9.68	8.26	9.10
85.4855	10.95	9.54	9.73	8.03	9.33
85.5859	10.92	9.51	10.02	7.91	9.50
85.6864	10.72	9.43	10.30	8.27	9.19
85.7868	10.49	9.67	10.21	8.41	9.40
85.8873	10.46	9.70	10.06	8.21	9.42
85.9877	10.66	9.60	10.07	7.99	9.32
86.0882	10.70	9.25	10.20	8.15	9.18
86.1886	10.41	9.50	10.54	8.06	9.62
86.2891	10.28	9.88	10.45	7.72	9.60
86.3895	10.18	9.88	10.22	8.05	9.52
86.4900	10.48	9.85	10.37	8.18	9.35
86.5905	10.47	9.76	10.63	8.24	9.34
86.6909	10.18	9.71	10.47	8.13	9.37
86.7914	10.05	9.71	10.55	7.90	9.75
86.8918	10.17	9.91	10.67	8.08	9.53
86.9923	10.21	9.91	10.59	7.93	9.51
87.0927	10.36	9.54	10.52	7.89	9.29
87.1932	10.24	9.80	10.66	7.93	9.46
87.2936	10.00	10.00	10.62	7.77	9.77
87.3941	10.01	10.04	10.60	7.97	10.00
87.4945	10.13	10.09	10.55	8.13	9.40
87.5950	10.35	10.42	10.38	8.05	9.00
87.6954	10.26	10.48	10.33	7.84	9.47
87.7959	10.11	10.41	10.37	7.91	9.66
87.8963	10.18	10.43	10.51	7.91	9.35
87.9968	10.33	10.50	10.62	7.88	9.23
88.0972	10.34	10.67	10.42	7.95	9.16
88.1977	10.35	10.93	10.21	7.96	9.25
88.2982	10.53	10.83	10.24	7.85	9.14
88.3986	10.48	10.55	10.37	8.00	9.51
88.4991	10.51	10.66	10.37	8.02	9.21
88.5995	10.34	11.30	10.39	8.02	8.72
88.7000	10.42	11.16	10.22	7.89	8.82
88.8004	10.54	10.86	10.21	8.12	9.27
88.9009	10.48	10.78	10.20	8.10	9.18
89.0013	10.40	11.05	10.23	7.69	8.58
89.1018	10.43	11.37	10.28	7.65	8.76
89.2022	10.51	11.31	9.99	8.15	9.11
89.3027	10.75	11.15	9.92	8.18	9.23
89.4031	10.78	11.04	10.07	7.67	9.05
89.5036	10.39	11.35	10.04	7.64	9.17
89.6040	10.38	11.80	9.97	7.97	8.96
89.7045	10.49	11.57	10.02	8.04	9.18
89.8049	10.67	11.28	10.02	7.66	9.47
89.9054	10.43	11.54	9.92	7.98	9.13
90.0059	10.41	11.62	9.74	8.22	8.92
90.1063	10.67	11.33	9.94	7.83	9.30
90.2068	10.87	11.20	10.03	7.84	9.51
90.3072	10.45	11.39	9.88	7.84	8.94

90.4077	10.43	10.94	9.98	7.85	9.61
90.5081	10.91	10.83	9.92	7.86	9.92
90.6086	10.81	11.14	9.92	7.87	9.80
90.7090	10.59	11.32	10.18	7.65	9.36
90.8095	10.77	11.20	10.27	7.60	10.09
90.9099	10.70	11.09	10.08	7.46	9.85
91.0104	10.72	10.99	9.99	7.63	9.85
91.1108	10.82	10.75	10.24	7.67	10.01
91.2113	10.83	10.85	10.47	7.48	9.97
91.3117	10.92	10.95	10.36	7.23	9.92
91.4122	10.85	10.61	10.30	7.22	10.04
91.5126	10.78	10.81	10.45	7.36	9.98
91.6131	11.03	10.87	10.45	7.85	10.08
91.7136	11.00	10.92	10.30	7.73	10.07
91.8140	10.91	11.05	10.29	7.15	10.17
91.9145	11.12	11.11	10.39	7.15	9.81
92.0149	11.05	10.92	10.38	7.86	9.76
92.1154	10.95	11.04	10.45	7.74	10.04
92.2158	11.01	11.26	10.27	7.14	9.90
92.3163	11.00	11.00	10.08	7.45	9.89
92.4167	11.08	11.01	10.20	8.12	9.74
92.5172	10.90	11.26	10.15	8.21	9.90
92.6176	10.89	11.31	10.23	8.17	9.75
92.7181	10.91	10.90	10.15	8.34	9.60
92.8185	10.88	10.83	10.13	8.32	9.71
92.9190	10.97	11.19	10.29	8.11	9.82
93.0194	11.12	10.98	10.25	8.38	9.72
93.1199	10.97	10.85	10.02	8.70	9.69
93.2203	10.89	10.60	9.96	8.24	9.80
93.3208	11.01	10.56	10.09	7.96	10.02
93.4213	10.89	10.56	10.01	8.45	9.64
93.5217	10.76	10.78	9.80	9.01	9.48
93.6222	10.71	10.57	9.95	8.57	9.38
93.7226	10.95	10.41	10.11	8.34	9.64
93.8231	10.90	10.63	10.05	8.75	9.69
93.9235	10.73	10.79	9.61	8.86	9.45
94.0240	10.84	10.64	9.60	8.74	9.23
94.1244	10.74	10.39	9.97	8.41	9.75
94.2249	10.86	10.63	9.75	8.38	9.69
94.3253	11.12	10.77	9.51	8.09	9.52
94.4258	11.14	10.38	9.64	8.13	9.47
94.5262	11.03	10.34	9.66	8.12	9.79
94.6267	11.06	10.70	9.51	8.11	9.19
94.7271	11.18	10.41	9.68	8.15	9.06
94.8276	11.17	10.21	9.84	8.15	9.55
94.9280	11.20	10.41	9.83	8.26	9.55
95.0285	11.18	10.68	9.56	8.21	8.97
95.1290	11.12	10.59	9.52	8.41	9.11
95.2294	11.07	10.44	9.70	8.48	9.29
95.3299	11.10	10.34	9.88	8.15	9.16
95.4303	11.13	10.38	9.96	7.88	9.15
95.5308	10.99	10.71	9.90	8.20	9.46
95.6312	11.07	10.77	9.74	8.39	8.90
95.7317	11.24	10.29	9.77	8.12	8.98
95.8321	11.08	10.28	10.01	8.07	9.51
95.9326	10.70	10.42	10.11	8.23	9.36
96.0330	10.85	10.57	10.21	8.36	8.72
96.1335	10.90	10.28	9.87	8.62	8.95
96.2339	10.94	10.06	9.77	8.58	9.66
96.3344	10.69	10.00	10.01	8.51	9.15
96.4348	10.50	10.42	10.17	8.59	8.88

96.5353	10.64	10.58	10.14	8.73	9.01
96.6357	10.66	10.16	9.95	8.95	9.22
96.7362	10.67	9.85	9.81	8.67	8.94
96.8367	10.55	9.87	9.87	8.48	9.07
96.9371	10.63	10.05	9.92	8.65	8.92
97.0376	10.58	10.07	9.76	9.02	8.67
97.1380	10.54	9.92	9.76	8.91	8.93
97.2385	10.69	9.74	9.74	8.84	9.37
97.3389	10.46	9.74	9.79	9.12	8.88
97.4394	10.32	9.90	9.68	9.14	8.66
97.5398	10.21	9.69	9.70	9.18	9.14
97.6403	10.43	9.67	9.73	9.04	8.94
97.7407	10.39	9.77	9.46	8.90	8.71
97.8412	10.01	9.87	9.68	8.95	8.84
97.9416	10.13	9.77	9.94	8.89	9.22
98.0421	10.45	9.81	9.80	9.06	8.66
98.1425	10.36	10.37	9.64	9.07	9.01
98.2430	9.99	10.44	9.80	8.63	9.30
98.3434	9.99	10.46	9.86	8.78	9.16
98.4439	10.13	10.17	9.76	8.90	8.97
98.5444	10.22	10.41	9.70	8.84	9.07
98.6448	10.03	10.55	9.62	8.66	9.08
98.7453	10.02	10.25	9.40	8.74	8.90
98.8457	9.92	10.25	9.51	8.85	8.88
98.9462	10.22	10.43	9.85	8.84	9.02
99.0466	10.13	10.28	9.82	8.92	8.65
99.1471	9.97	10.14	9.41	8.71	9.04
99.2475	10.18	10.09	9.48	8.62	9.24
99.3480	10.25	10.34	9.85	8.85	9.05
99.4484	10.30	10.28	9.71	8.65	9.24
99.5489	10.13	10.01	9.44	8.28	9.10
99.6493	10.35	10.07	9.48	8.41	9.10
99.7498	10.18	10.11	9.58	8.77	8.95
99.8502	9.98	10.10	9.68	8.60	9.15
99.9507	10.37	10.08	9.73	8.43	9.21
100.0511	10.40	10.13	9.58	8.74	8.89
100.1516	10.04	10.23	9.70	8.68	8.67
100.2521	10.09	10.25	9.76	8.41	8.85
100.3525	10.25	10.39	9.56	8.59	9.22
100.4530	10.23	10.35	9.65	8.95	9.12
100.5534	10.14	10.48	9.61	8.73	8.70
100.6539	10.35	10.34	9.64	8.29	8.89
100.7543	10.45	10.59	9.79	8.46	9.12
100.8548	10.25	10.65	9.88	9.02	9.48
100.9552	10.30	10.59	9.56	8.84	9.47
101.0557	10.33	10.31	9.37	8.63	9.10
101.1561	10.37	10.30	9.67	8.85	9.10
101.2566	10.21	10.50	10.08	8.81	9.60
101.3570	10.01	10.59	9.66	8.87	9.13
101.4575	10.25	10.31	9.09	9.15	9.14
101.5579	10.39	10.01	9.64	9.10	9.51
101.6584	10.38	10.18	10.06	8.56	9.72
101.7588	10.28	10.39	9.66	8.80	9.12
101.8593	10.38	10.16	9.31	9.16	9.46
101.9598	10.47	9.94	9.36	9.37	9.85
102.0602	10.48	9.84	9.55	9.19	9.71
102.1607	10.51	10.01	9.64	8.96	9.51
102.2611	10.52	9.97	9.48	9.19	9.68
102.3616	10.40	9.76	9.50	9.50	9.43
102.4620	10.48	10.06	9.39	9.67	9.34
102.5625	10.72	10.14	9.49	9.41	9.72

102.6629	10.71	10.46	9.41	8.86	9.94
102.7634	10.47	10.45	9.32	9.05	9.64
102.8638	10.52	10.57	9.59	9.67	10.01
102.9643	10.86	10.56	9.50	9.57	9.87
103.0647	10.72	10.62	9.30	8.72	9.87
103.1652	10.64	10.76	9.15	8.80	10.10
103.2656	10.75	10.60	9.40	9.44	10.15
103.3661	10.88	10.28	9.32	9.36	10.09
103.4665	10.94	10.41	9.04	8.91	9.59
103.5670	11.08	10.61	9.23	8.69	9.95
103.6675	11.08	10.71	9.25	8.88	10.16
103.7679	11.21	10.47	9.00	9.02	10.08
103.8684	11.16	10.33	9.11	8.88	9.83
103.9688	11.04	10.39	9.27	9.05	9.93
104.0693	11.35	10.50	9.27	8.88	9.82
104.1697	11.21	10.50	9.15	8.61	10.01
104.2702	11.22	10.28	9.40	8.88	10.16
104.3706	11.61	10.37	9.42	9.29	10.02
104.4711	11.58	10.60	9.14	9.02	9.57
104.5715	11.34	10.67	9.33	8.38	9.83
104.6720	11.36	10.61	9.44	8.57	9.96
104.7724	11.64	10.61	9.41	8.97	9.88
104.8729	11.75	10.72	9.15	8.83	9.84
104.9733	11.34	10.60	9.20	8.72	9.82
105.0738	11.11	10.68	9.56	8.65	10.00
105.1742	11.55	10.51	9.50	8.76	9.88
105.2747	11.53	10.54	9.34	8.94	10.17
105.3752	11.29	10.50	9.29	9.33	10.00
105.4756	11.19	10.38	9.63	9.30	9.86
105.5761	11.32	10.36	9.58	9.05	9.84
105.6765	11.45	10.67	9.43	9.13	10.01
105.7770	11.36	10.72	9.59	9.29	9.95
105.8774	11.39	10.24	9.62	9.23	9.83
105.9779	11.28	10.22	9.43	9.18	10.02
106.0783	11.17	10.06	9.45	9.18	9.97
106.1788	11.14	10.21	9.58	9.34	9.77
106.2792	11.28	10.17	9.56	9.32	10.09
106.3797	11.24	9.88	9.34	9.59	9.69
106.4801	11.22	9.74	9.34	9.67	9.77
106.5806	10.97	9.77	9.51	9.21	10.00
106.6810	11.03	9.90	9.25	9.18	9.50
106.7815	11.22	10.14	9.38	9.51	9.61
106.8819	11.18	10.16	9.68	9.25	9.88
106.9824	10.92	10.34	9.63	8.73	10.02
107.0829	11.01	10.30	9.51	8.89	9.64
107.1833	11.21	10.32	9.58	8.89	9.44
107.2838	11.22	10.58	9.48	8.65	9.59
107.3842	10.92	10.79	9.54	8.56	9.85
107.4847	10.84	10.77	9.67	8.38	9.90
107.5851	11.14	10.60	9.72	8.37	9.52
107.6856	11.11	10.51	9.73	8.47	9.61
107.7860	10.94	10.80	9.61	8.38	9.96
107.8865	10.91	11.01	9.61	8.27	9.98
107.9869	10.92	10.95	9.98	7.98	9.90
108.0874	10.85	10.79	10.03	7.88	9.84
108.1878	10.93	10.95	9.76	8.23	9.83
108.2883	10.95	11.01	9.66	8.13	9.91
108.3887	10.87	11.08	9.58	7.71	9.90
108.4892	10.87	10.88	9.88	7.67	9.58
108.5896	10.95	10.51	9.84	7.76	10.12
108.6901	11.07	10.56	9.72	7.86	10.07

108.7906	10.74	10.98	9.80	8.02	9.71
108.8910	10.56	11.05	9.71	8.00	9.48
108.9915	10.80	10.68	9.66	7.78	10.20
109.0919	11.05	10.48	9.78	7.80	9.90
109.1924	10.55	10.73	9.96	7.90	9.53
109.2928	10.44	11.05	9.94	8.07	9.78
109.3933	10.76	11.14	9.87	8.04	9.99
109.4937	10.67	10.56	10.05	7.89	9.53
109.5942	10.47	10.49	9.90	7.94	9.80
109.6946	10.59	10.66	9.61	7.98	10.33
109.7951	10.61	10.69	9.59	8.07	10.21
109.8955	10.36	10.80	9.86	8.05	9.95
109.9960	10.08	11.20	9.98	7.91	10.13
110.0964	10.19	11.09	9.79	7.96	9.70
110.1969	10.39	10.61	9.63	8.08	10.15
110.2973	10.10	10.84	9.87	8.14	10.39
110.3978	10.15	10.66	10.21	7.80	9.76
110.4983	10.20	10.82	10.17	8.02	9.45
110.5987	10.18	10.70	9.79	8.34	9.83
110.6992	10.25	10.40	9.96	8.21	10.32
110.7996	10.29	10.21	10.25	7.98	9.75
110.9001	10.09	10.57	10.24	8.14	9.53
111.0005	10.32	10.86	10.02	8.29	9.61
111.1010	10.71	10.65	9.98	7.96	9.75
111.2014	10.63	10.38	10.29	8.01	9.52
111.3019	10.39	10.46	10.16	8.36	9.60
111.4023	10.40	10.35	10.03	8.25	9.25
111.5028	10.42	10.28	9.98	7.80	9.07
111.6032	10.69	10.27	10.04	7.81	9.26
111.7037	10.74	10.25	10.24	8.20	9.49
111.8041	10.32	9.88	10.46	8.19	9.32
111.9046	10.18	9.79	10.37	7.58	9.31
112.0050	10.31	9.94	10.14	7.64	9.27
112.1055	10.92	10.22	10.32	7.92	9.18
112.2060	10.50	10.03	10.59	7.74	9.42
112.3064	10.13	9.85	10.34	7.73	9.52
112.4069	10.29	9.74	10.04	7.82	9.41
112.5073	10.45	9.77	10.12	7.63	9.07
112.6078	10.32	9.67	10.37	7.62	9.30
112.7082	10.26	9.53	10.36	8.15	9.42
112.8087	10.15	9.29	9.91	8.16	9.35
112.9091	10.02	9.25	10.16	8.08	9.46
113.0096	10.18	9.49	10.25	7.97	9.62
113.1100	10.31	9.71	10.18	8.15	9.48
113.2105	10.16	9.75	10.32	8.29	9.05
113.3109	9.82	9.70	10.47	8.10	9.38
113.4114	9.89	9.58	10.26	7.91	9.65
113.5118	10.24	9.61	10.21	8.13	9.05
113.6123	10.35	9.76	10.12	8.31	9.30
113.7128	10.16	9.78	10.37	8.63	9.13
113.8132	10.09	9.61	10.42	8.47	8.94
113.9137	10.14	9.45	10.20	7.87	9.44
114.0141	10.27	9.39	10.21	8.00	9.58
114.1146	10.47	9.42	10.23	8.84	9.17
114.2150	10.35	9.53	10.49	8.52	8.91
114.3155	10.34	9.71	10.64	7.71	9.27
114.4159	10.39	9.67	10.53	7.93	9.56
114.5164	10.38	9.36	10.32	8.40	9.25
114.6168	10.59	9.56	10.60	8.31	8.92
114.7173	10.79	9.62	10.90	8.01	8.97
114.8177	10.70	9.82	10.61	8.09	9.30

114.9182	10.48	9.60	10.41	8.41	9.28
115.0186	10.62	9.31	10.44	8.26	9.27
115.1191	10.65	9.37	10.61	7.92	9.10
115.2195	10.74	9.66	10.76	7.96	9.05
115.3200	10.84	9.68	10.60	7.93	9.35
115.4205	11.05	9.30	10.23	7.94	9.46
115.5209	10.77	9.22	10.50	8.28	9.03
115.6214	10.71	9.38	10.95	8.46	9.15
115.7218	11.02	9.48	10.98	8.06	9.49
115.8223	11.07	9.19	10.21	7.87	9.08
115.9227	10.73	9.00	10.19	8.45	8.94
116.0232	10.88	9.33	10.59	8.57	9.24
116.1236	11.10	9.19	10.62	8.27	9.58
116.2241	10.93	9.05	10.26	8.16	8.91
116.3245	10.91	9.10	10.13	8.17	9.20
116.4250	10.84	9.51	10.19	8.11	9.69
116.5254	11.05	9.26	10.05	8.14	9.46
116.6259	10.78	9.16	10.31	8.07	9.05
116.7263	10.84	9.21	10.37	8.10	9.63
116.8268	11.02	9.08	10.22	8.07	9.61
116.9272	10.99	8.81	10.11	8.03	9.16
117.0277	10.78	8.89	10.05	7.99	9.34
117.1282	10.96	9.03	10.26	8.10	9.60
117.2286	10.80	9.13	10.49	8.15	9.18
117.3291	10.98	9.19	10.42	8.03	9.65
117.4295	10.87	9.45	10.13	7.75	9.55
117.5300	10.78	9.71	10.09	7.66	9.33
117.6304	10.82	9.81	10.06	8.19	9.30
117.7309	11.04	9.70	10.14	8.28	9.39
117.8313	11.14	9.78	10.23	7.93	9.42
117.9318	11.03	10.03	10.30	8.19	9.23
118.0322	11.09	9.91	10.10	8.48	9.56
118.1327	11.03	10.05	10.07	8.46	9.35
118.2331	11.16	9.89	10.40	8.51	9.25
118.3336	11.26	10.00	10.57	8.46	9.47
118.4340	10.88	10.13	10.32	8.50	9.66
118.5345	10.73	10.32	10.11	8.69	9.26
118.6349	10.77	10.14	10.28	8.78	9.35
118.7354	11.12	10.08	10.21	8.75	9.56
118.8359	10.93	10.23	10.10	8.69	9.46
118.9363	10.61	10.61	10.22	8.61	9.37
119.0368	10.52	10.69	10.37	8.86	9.46
119.1372	10.87	10.77	10.10	8.93	9.53
119.2377	10.94	10.64	10.03	8.54	9.60
119.3381	10.51	10.63	10.36	8.70	9.63
119.4386	10.26	10.88	10.29	9.09	9.61
119.5390	10.57	11.32	10.19	9.05	9.58
119.6395	10.71	11.28	10.37	8.88	9.49
119.7399	10.59	11.00	10.37	9.06	9.72
119.8404	10.22	11.15	10.25	9.13	9.46
119.9408	10.28	11.43	10.37	8.95	9.25
120.0413	10.69	11.53	10.41	9.09	9.58
120.1417	10.57	11.36	10.35	9.28	9.61
120.2422	10.64	11.39	10.10	9.29	9.15
120.3426	10.44	11.77	9.95	8.98	9.07
120.4431	10.58	11.83	10.34	8.95	9.47
120.5436	10.80	11.81	10.27	9.15	9.26
120.6440	10.60	11.57	10.13	9.01	9.11
120.7445	10.61	11.54	10.13	8.97	9.25
120.8449	10.67	11.33	10.18	8.95	8.77
120.9454	10.56	11.42	10.30	8.79	9.06

121.0458	10.45	11.40	10.01	8.87	9.33
121.1463	10.71	11.00	9.94	8.79	9.06
121.2467	10.59	10.72	10.18	8.59	8.77
121.3472	10.35	10.84	10.34	8.36	9.18
121.4476	10.47	10.96	10.12	8.65	9.50
121.5481	10.68	10.98	9.96	8.51	9.12
121.6485	10.58	10.78	9.98	8.07	8.97
121.7490	10.54	10.69	9.99	8.02	9.16
121.8494	10.57	10.86	10.19	8.24	9.12
121.9499	10.52	11.17	10.24	8.10	9.26
122.0503	10.30	11.03	9.82	7.91	9.19
122.1508	10.30	10.82	9.72	8.30	9.14
122.2513	10.29	11.13	9.83	8.42	8.96
122.3517	10.38	11.14	10.13	8.09	9.11
122.4522	10.18	11.26	10.03	7.96	9.29
122.5526	10.23	11.01	9.82	8.24	8.98
122.6531	10.39	11.01	9.82	8.41	8.62
122.7535	10.51	11.30	9.79	8.30	8.76
122.8540	10.47	11.32	9.73	8.31	8.99
122.9544	10.58	11.53	9.70	8.70	8.89
123.0549	10.52	11.26	9.79	8.55	8.82
123.1553	10.54	11.30	9.92	8.24	8.90
123.2558	10.50	11.21	9.80	8.69	8.92
123.3562	10.44	11.59	9.62	8.91	8.85
123.4567	10.55	11.49	9.77	8.74	9.28
123.5571	10.45	11.28	10.02	8.71	8.86
123.6576	10.51	11.28	10.00	8.76	8.63
123.7580	10.61	11.23	9.63	8.57	8.72
123.8585	10.57	11.05	9.80	8.60	9.38
123.9590	10.32	11.01	9.79	8.47	9.08
124.0594	10.83	11.29	9.90	8.46	8.94
124.1599	10.81	11.26	9.93	8.53	9.22
124.2603	10.64	11.01	9.88	8.22	9.40
124.3608	10.55	10.95	9.89	8.31	9.41
124.4612	10.75	10.92	9.81	8.74	9.52
124.5617	10.79	11.07	9.87	8.90	9.11
124.6621	10.59	11.06	9.93	8.66	9.34
124.7626	10.51	10.96	10.02	8.20	9.36
124.8630	10.68	10.74	9.89	8.47	9.17
124.9635	10.60	10.89	9.88	9.11	9.24
125.0639	10.66	11.26	9.70	9.05	9.56
125.1644	10.84	11.04	9.89	8.28	9.71
125.2648	10.63	10.91	9.86	8.56	9.06
125.3653	10.47	11.01	9.74	9.16	9.49
125.4657	10.75	11.05	9.46	9.18	9.76
125.5662	10.92	10.65	9.43	8.81	9.58
125.6667	10.62	10.52	9.48	8.76	9.30
125.7671	10.57	10.60	9.39	9.03	9.40
125.8676	10.57	10.67	9.31	8.89	9.21
125.9680	10.74	10.44	9.54	8.91	9.32
126.0685	10.98	9.89	9.53	8.97	9.33
126.1689	10.69	9.91	9.22	9.13	9.14
126.2694	10.52	10.37	9.27	9.06	9.28
126.3698	10.57	10.31	9.47	9.28	9.62
126.4703	10.80	10.13	9.57	9.36	9.37
126.5707	11.03	10.25	9.58	8.87	9.21
126.6712	10.82	10.23	9.33	8.58	9.48
126.7716	10.71	10.21	9.29	9.00	9.45
126.8721	10.80	9.94	9.42	9.48	9.43
126.9725	10.89	9.74	9.53	8.99	9.34
127.0730	11.10	9.92	9.45	8.80	9.44

127.1734	11.02	9.84	9.22	8.97	9.52
127.2739	10.79	9.95	9.20	9.16	9.49
127.3744	10.64	10.03	9.47	9.36	9.47
127.4748	11.00	9.98	9.61	9.46	9.67
127.5753	11.04	9.65	9.68	9.13	9.83
127.6757	10.89	9.94	9.63	8.90	9.66
127.7762	10.83	9.75	9.42	8.91	9.85
127.8766	10.97	9.42	9.41	9.32	9.91
127.9771	10.94	9.61	9.45	9.19	9.75
128.0775	10.94	9.86	9.42	8.93	9.93
128.1780	11.04	9.93	9.32	8.92	10.18
128.2784	10.96	9.65	9.42	8.85	10.20
128.3789	10.89	10.03	9.38	9.08	10.10
128.4793	10.87	10.10	9.36	9.29	10.28
128.5798	10.94	9.96	9.35	9.26	10.36
128.6802	10.79	9.92	9.39	8.68	10.08
128.7807	11.16	9.72	9.57	8.77	10.30
128.8811	11.01	9.60	9.41	9.12	10.32
128.9816	10.75	9.71	9.27	8.74	10.09
129.0821	10.76	10.03	9.45	8.36	10.24
129.1825	11.02	9.76	9.50	8.46	10.06
129.2830	11.02	9.50	9.44	8.53	10.03
129.3834	10.82	9.67	9.48	8.62	10.05
129.4839	10.90	9.92	9.51	8.52	10.21
129.5843	10.96	10.01	9.52	8.43	10.00
129.6848	10.90	9.79	9.61	8.44	9.83
129.7852	10.77	9.61	9.25	8.49	9.82
129.8857	10.89	9.42	9.13	8.50	10.20
129.9861	10.79	9.54	9.58	8.46	10.25
130.0866	10.78	9.45	9.57	8.34	9.92
130.1870	10.99	9.41	9.53	8.34	9.72
130.2875	10.78	9.39	9.15	8.62	9.97
130.3879	10.74	9.29	9.08	8.33	10.12
130.4884	10.93	9.41	9.39	8.02	10.01
130.5888	10.77	9.68	9.72	8.04	9.85
130.6893	10.76	9.74	9.53	8.31	9.61
130.7898	10.86	9.77	9.10	8.06	9.98
130.8902	10.66	9.52	8.97	8.01	9.95
130.9907	10.78	9.69	9.44	8.09	10.12
131.0911	10.81	9.89	9.72	7.87	9.77
131.1916	10.83	9.90	9.51	7.69	9.60
131.2920	10.55	9.70	9.26	7.65	9.68
131.3925	10.44	9.75	9.20	7.76	9.66
131.4929	10.67	9.66	9.37	7.89	9.79
131.5934	10.71	9.77	9.53	7.78	9.63
131.6938	10.51	10.01	9.52	7.63	9.45
131.7943	10.46	9.81	9.32	7.67	9.51
131.8947	10.69	9.35	9.25	7.91	9.50
131.9952	10.58	9.54	9.42	8.23	9.78
132.0956	10.51	9.62	9.36	8.02	9.70
132.1961	10.59	9.79	9.07	8.01	9.62
132.2965	10.29	9.90	9.28	8.29	9.42
132.3970	10.43	9.77	9.62	8.42	9.09
132.4975	10.46	9.66	9.47	8.31	9.79
132.5979	10.40	9.90	9.22	8.45	9.58
132.6984	10.34	10.41	9.48	8.64	9.33
132.7988	10.38	10.22	9.69	8.75	9.38
132.8993	10.47	10.14	9.58	8.70	9.54
132.9997	10.45	10.34	9.55	8.85	9.43
133.1002	10.28	10.24	9.59	9.00	9.55
133.2006	10.22	10.00	9.36	8.46	9.46

133.3011	10.35	10.20	9.46	8.55	9.29
133.4015	10.25	10.47	9.64	8.76	9.19
133.5020	10.12	10.31	9.71	8.82	9.43
133.6024	10.31	10.12	9.54	8.59	9.21
133.7029	10.08	10.20	9.59	8.57	9.18
133.8033	10.20	10.80	9.79	8.77	9.31
133.9038	10.27	10.73	9.84	8.48	9.20
134.0042	10.14	10.41	9.99	7.97	9.37
134.1047	10.31	10.48	9.89	8.11	9.14
134.2052	10.55	10.38	9.52	8.64	9.25
134.3056	10.37	10.17	9.71	8.34	9.15
134.4061	10.28	10.13	10.04	7.83	9.32
134.5065	10.30	10.25	9.73	7.66	9.34
134.6070	10.62	10.16	9.60	7.97	9.23
134.7074	10.66	10.17	9.60	8.17	9.23
134.8079	10.62	10.38	9.65	8.32	9.09
134.9083	10.43	10.55	9.58	7.86	9.33
135.0088	10.33	10.55	9.49	7.93	9.24
135.1092	10.38	10.42	9.54	8.13	8.98
135.2097	10.65	10.20	9.68	8.31	9.07
135.3101	10.49	10.57	9.49	8.27	9.54
135.4106	10.30	10.68	9.45	7.95	9.54
135.5110	10.33	10.82	9.59	7.84	9.09
135.6115	10.58	10.83	9.54	7.65	9.29
135.7119	10.53	10.98	9.58	8.11	9.84
135.8124	10.29	10.89	9.59	8.35	9.51
135.9129	10.41	10.74	9.37	8.03	9.58
136.0133	10.41	11.07	9.48	7.70	9.67
136.1138	10.51	10.91	9.68	8.01	9.47
136.2142	10.41	10.54	9.64	8.61	9.57
136.3147	10.49	10.46	9.58	8.23	9.52
136.4151	10.35	10.38	9.62	7.62	9.81
136.5156	10.50	10.62	9.77	7.87	9.77
136.6160	10.72	10.64	9.85	8.36	9.97
136.7165	10.72	10.62	9.52	8.30	9.83
136.8169	10.33	10.44	9.43	7.92	9.91
136.9174	10.58	10.73	9.84	7.90	10.12
137.0178	10.70	11.05	9.97	8.07	10.27
137.1183	10.84	10.79	9.71	8.11	9.67
137.2187	10.81	10.70	9.54	7.89	9.63
137.3192	10.62	10.77	9.60	7.80	10.07
137.4196	10.62	11.03	9.82	7.74	10.09
137.5201	10.98	10.68	10.08	7.86	9.83
137.6206	11.28	10.74	9.96	8.18	9.84
137.7210	10.89	10.94	9.86	8.17	9.96
137.8215	10.70	11.21	9.86	7.97	10.13
137.9219	10.91	11.07	9.92	7.71	10.28
138.0224	11.24	10.77	10.24	8.14	9.83
138.1228	11.10	10.96	10.15	8.13	9.69
138.2233	10.95	10.97	9.83	8.01	9.51
138.3237	10.95	11.03	9.84	7.86	9.90
138.4242	11.15	11.04	10.07	7.80	9.85
138.5246	11.23	10.82	10.00	7.96	9.55
138.6251	11.05	10.66	9.96	8.01	9.80
138.7255	10.89	10.76	9.99	7.96	9.83
138.8260	11.09	10.68	10.11	8.21	9.87
138.9264	11.07	10.46	9.98	8.24	9.86
139.0269	11.14	10.52	9.99	8.21	9.87
139.1273	11.20	10.57	9.93	7.97	9.84
139.2278	11.03	10.63	10.00	8.02	9.63
139.3283	11.04	10.66	10.05	8.54	9.76

139.4287	11.14	10.27	9.84	8.52	9.40
139.5292	11.16	9.90	9.80	8.13	9.66
139.6296	10.97	10.38	9.87	8.01	10.08
139.7301	10.98	10.79	9.99	8.42	9.62
139.8305	10.88	10.80	9.96	8.75	9.50
139.9310	11.03	10.45	9.93	8.72	9.86
140.0314	10.96	10.62	9.82	8.71	9.89
140.1319	11.02	10.88	9.87	8.80	9.69
140.2323	11.02	10.90	10.19	8.88	9.65
140.3328	10.79	10.97	10.36	9.05	9.76
140.4332	10.95	10.57	9.99	8.98	9.73
140.5337	11.24	10.34	9.74	8.68	9.54
140.6341	11.12	10.38	10.02	8.60	9.71
140.7346	10.89	10.27	10.42	8.89	9.63
140.8350	11.00	10.27	10.25	8.98	9.70
140.9355	11.08	10.15	9.77	8.91	9.88
141.0360	11.00	10.13	9.80	8.80	9.75
141.1364	11.01	10.14	10.02	8.88	9.51
141.2369	11.10	10.39	10.25	8.92	9.22
141.3373	10.93	10.33	10.07	8.73	9.84
141.4378	10.81	9.94	9.87	8.75	9.71
141.5382	10.98	10.07	10.01	8.94	9.48
141.6387	11.25	10.38	10.27	8.92	9.26
141.7391	11.08	10.40	10.37	8.67	9.25
141.8396	10.66	9.59	10.18	8.86	9.37
141.9400	10.80	9.82	10.03	8.98	9.41
142.0405	10.92	10.36	10.20	8.88	9.53
142.1409	10.90	10.51	10.31	9.04	8.84
142.2414	10.79	10.09	10.28	9.12	8.81
142.3418	10.85	9.77	10.25	9.19	9.33
142.4423	10.66	10.03	10.29	9.22	9.30
142.5427	10.70	10.22	10.17	9.14	8.78
142.6432	10.84	10.33	10.60	9.09	8.86
142.7437	10.71	10.16	10.83	9.00	9.21
142.8441	10.63	9.96	10.46	9.12	9.20
142.9446	10.56	10.10	10.40	8.89	8.81
143.0450	10.29	10.44	10.62	8.90	9.17
143.1455	10.41	10.33	10.62	8.80	9.00
143.2459	10.64	9.88	10.49	8.66	8.80
143.3464	10.40	10.02	10.40	8.64	9.08
143.4468	10.40	10.05	10.26	8.73	9.00
143.5473	10.49	10.00	10.39	9.01	8.96
143.6477	10.56	9.79	10.49	8.46	8.94
143.7482	10.33	9.48	10.48	7.95	8.96
143.8486	10.46	9.52	10.39	8.23	8.80
143.9491	10.49	9.88	10.25	8.59	9.11
144.0495	10.42	9.97	10.51	8.16	9.09
144.1500	10.34	10.02	10.52	7.78	8.64
144.2504	10.64	9.93	10.16	8.06	8.52
144.3509	10.57	10.14	10.12	8.24	9.01
144.4514	10.17	10.07	10.50	8.15	8.93
144.5518	10.18	9.94	10.37	8.02	8.63
144.6523	10.41	9.95	10.07	8.00	8.66
144.7527	10.26	9.99	10.06	7.99	8.82
144.8532	10.31	10.09	10.27	7.95	8.86
144.9536	10.31	10.14	10.40	8.11	8.66
145.0541	10.14	10.01	10.22	8.39	8.70
145.1545	10.26	10.09	10.42	8.18	8.61
145.2550	10.31	10.22	10.47	7.87	8.71
145.3554	10.24	10.29	10.51	8.30	8.66
145.4559	10.15	10.19	10.45	8.72	9.02

145.5563	10.05	10.16	10.40	8.63	8.86
145.6568	10.01	10.17	10.50	8.39	8.72
145.7572	9.96	10.36	10.66	8.53	8.77
145.8577	10.04	10.67	10.47	8.65	8.56
145.9582	10.06	10.66	10.45	8.88	8.67
146.0586	10.02	10.51	10.36	8.49	8.69
146.1591	9.73	10.11	10.25	8.50	8.56
146.2595	10.01	10.21	10.36	8.55	8.61
146.3600	10.25	10.33	10.46	8.52	8.91
146.4604	9.92	10.51	10.44	8.49	8.99
146.5609	9.93	10.29	10.18	8.65	8.60
146.6613	10.02	9.88	10.01	9.00	9.07
146.7618	10.02	9.91	10.29	8.82	9.14
146.8622	10.21	10.04	10.50	8.54	8.81
146.9627	10.11	10.13	10.30	8.62	9.06
147.0631	9.97	9.91	10.19	8.91	9.28
147.1636	10.03	9.68	10.34	8.88	8.94
147.2640	10.38	9.83	10.42	8.60	9.12
147.3645	10.25	10.11	10.27	8.57	9.50
147.4649	10.17	9.84	10.31	8.78	9.06
147.5654	10.20	9.61	10.25	8.75	8.93
147.6659	10.37	10.06	10.33	8.55	9.21
147.7663	10.44	10.02	10.44	8.46	9.30
147.8668	10.28	9.95	10.60	8.58	9.11
147.9672	10.31	9.95	10.45	8.50	9.53
148.0677	10.64	9.78	10.23	8.45	9.48
148.1681	10.50	9.92	10.23	8.80	9.08
148.2686	10.38	10.14	10.54	9.04	8.97
148.3690	10.40	10.12	10.38	8.78	9.33
148.4695	10.45	10.09	10.13	8.72	9.71
148.5699	10.84	10.06	10.03	8.94	9.18
148.6704	10.70	10.15	10.11	8.84	8.97
148.7708	10.74	10.19	10.29	8.56	9.09
148.8713	10.51	10.13	10.02	8.50	9.54
148.9717	10.48	10.24	10.01	8.75	9.71
149.0722	10.86	10.35	10.13	8.68	9.44
149.1726	10.84	10.21	10.11	8.67	9.31
149.2731	10.85	9.87	9.89	8.71	9.08
149.3736	10.77	9.67	9.85	8.87	9.56
149.4740	10.68	9.88	9.98	8.97	9.53
149.5745	10.92	10.28	9.96	9.05	9.02
149.6749	10.97	10.02	9.77	8.98	9.01
149.7754	10.66	9.60	9.68	8.94	9.49
149.8758	10.70	9.77	9.86	8.93	9.52
149.9763	10.98	10.08	9.89	9.02	9.23
150.0767	10.96	10.30	9.79	8.85	9.55
150.1772	10.76	10.21	9.73	8.88	9.89
150.2776	10.63	10.13	9.67	8.85	9.38
150.3781	10.81	10.27	9.84	8.81	9.74
150.4785	11.15	10.33	10.14	8.89	9.77
150.5790	11.02	10.43	9.84	8.99	9.31
150.6794	10.67	10.20	9.54	9.02	9.50
150.7799	10.75	10.24	9.77	8.67	9.74
150.8803	10.95	10.42	9.96	8.87	9.54
150.9808	11.03	10.59	9.74	8.74	9.46
151.0813	11.04	10.16	9.55	8.38	9.75
151.1817	10.87	9.80	9.65	8.26	9.28
151.2822	10.91	10.10	9.73	8.46	9.35
151.3826	10.84	10.50	9.88	8.28	9.89
151.4831	11.08	10.24	9.92	8.22	9.78
151.5835	11.18	9.95	9.76	8.40	9.17

151.6840	10.95	9.91	9.89	8.42	9.48
151.7844	10.74	9.88	9.83	8.35	9.71
151.8849	11.03	10.24	9.99	8.32	9.61
151.9853	10.94	10.55	10.03	8.28	9.58
152.0858	10.83	10.08	9.91	8.13	9.51
152.1862	10.84	10.13	9.92	7.96	9.66
152.2867	11.00	10.42	9.94	8.13	9.85
152.3871	10.96	10.49	9.92	8.35	9.93
152.4876	10.67	10.33	9.76	8.07	9.61
152.5880	10.84	10.16	9.55	7.88	9.72
152.6885	10.98	10.21	9.77	8.16	9.73
152.7890	11.10	10.49	9.89	8.42	9.69
152.8894	10.81	10.73	9.79	8.13	9.61
152.9899	10.81	10.61	9.64	7.91	9.68
153.0903	10.92	10.63	9.65	8.08	9.68
153.1908	11.05	10.91	9.77	8.06	9.49
153.2912	10.93	11.27	9.63	8.13	9.94
153.3917	10.91	11.01	9.52	7.93	9.89
153.4921	11.06	10.70	9.56	7.75	9.73
153.5926	11.04	10.65	9.55	7.75	9.21
153.6930	11.12	10.70	9.49	7.73	9.43
153.7935	11.16	10.43	9.40	7.91	9.81
153.8939	11.16	10.43	9.31	7.79	9.63
153.9944	11.17	10.42	9.44	7.80	9.50
154.0948	11.24	10.54	9.71	7.79	9.61
154.1953	11.08	10.49	9.48	7.91	9.59
154.2957	10.89	10.40	9.10	8.02	9.61
154.3962	10.98	10.63	9.22	7.92	9.93
154.4967	10.91	10.48	9.43	7.98	9.96
154.5971	10.88	10.56	9.51	7.94	9.25
154.6976	10.79	10.64	9.48	8.13	9.53
154.7980	10.69	10.77	9.25	8.38	9.91
154.8985	10.46	10.64	9.28	8.23	9.80
154.9989	10.69	10.49	9.30	8.02	9.92
155.0994	10.70	10.89	9.71	8.39	10.16
155.1998	10.50	11.27	9.65	8.64	9.78
155.3003	10.44	11.27	9.14	8.41	9.83
155.4007	10.38	10.57	9.16	8.20	10.36
155.5012	10.55	10.57	9.45	8.59	10.30
155.6016	10.62	10.67	9.42	8.97	9.89
155.7021	10.39	10.71	9.39	8.79	9.68
155.8025	10.33	10.56	9.43	8.61	10.16
155.9030	10.56	10.47	9.33	8.89	10.32
156.0034	10.42	10.39	9.26	8.99	10.33
156.1039	10.45	10.44	9.32	8.43	9.88
156.2044	10.32	10.91	9.21	8.28	9.80
156.3048	10.46	11.03	9.26	8.73	9.86
156.4053	10.71	10.56	9.56	8.50	10.07
156.5057	10.60	10.49	9.42	8.03	10.25
156.6062	10.53	10.68	9.33	7.84	9.71
156.7066	10.59	10.77	9.41	7.98	9.64
156.8071	10.62	10.34	9.53	8.02	9.72
156.9075	10.76	10.29	9.64	8.04	10.05
157.0080	10.64	10.64	9.58	7.82	9.93
157.1084	10.52	10.96	9.73	7.95	9.69
157.2089	10.44	10.87	9.46	8.00	9.93
157.3093	10.72	10.56	9.50	8.08	9.69
157.4098	10.73	10.84	9.89	8.13	9.63
157.5102	10.45	11.28	9.91	7.89	10.20
157.6107	10.49	11.34	9.61	7.80	9.83
157.7111	10.60	11.13	9.44	7.75	9.69

157.8116	10.70	11.00	9.61	7.94	10.06
157.9121	10.52	10.92	9.75	8.07	10.12
158.0125	10.39	10.98	9.71	7.96	9.84
158.1130	10.38	10.54	9.54	7.65	9.79
158.2134	10.54	10.42	9.48	8.12	9.83
158.3139	10.52	10.41	9.59	8.52	9.60
158.4143	10.23	10.60	9.52	8.28	9.87
158.5148	10.30	10.48	9.25	8.04	9.74
158.6152	10.35	10.19	9.30	8.34	9.43
158.7157	10.63	10.24	9.26	8.74	9.46
158.8161	10.50	10.13	9.19	8.59	10.03
158.9166	10.30	10.23	9.08	8.36	9.73
159.0170	10.41	10.15	9.11	8.37	9.53
159.1175	10.43	10.17	9.35	8.66	9.63
159.2179	10.55	10.07	9.36	8.49	9.75
159.3184	10.51	10.26	9.14	8.05	9.67
159.4188	10.39	10.47	9.07	8.03	9.62
159.5193	10.26	10.43	9.24	8.11	9.60
159.6198	10.52	10.19	9.12	8.41	9.41
159.7202	10.65	9.74	9.14	8.47	9.58
159.8207	10.31	10.20	9.25	8.24	9.63
159.9211	10.46	10.13	9.30	8.23	9.47
160.0216	10.71	10.01	9.38	8.25	9.59
160.1220	10.57	9.81	9.47	8.41	9.91
160.2225	10.53	9.72	9.28	8.29	9.63
160.3229	10.76	9.82	9.32	8.15	9.46
160.4234	10.61	9.84	9.58	8.02	9.59
160.5238	10.67	10.09	9.81	7.93	9.87
160.6243	10.69	9.88	9.49	8.15	9.30
160.7247	11.13	9.71	9.32	8.35	9.24
160.8252	10.80	9.77	9.47	7.98	9.95
160.9256	10.65	9.77	9.89	7.89	9.78
161.0261	10.85	9.52	10.08	8.02	9.33
161.1265	10.83	9.30	9.68	8.36	9.40
161.2270	10.72	9.37	9.57	8.16	9.75
161.3275	10.83	9.45	9.71	8.03	9.66
161.4279	10.99	9.51	9.93	8.11	9.55
161.5284	10.93	9.47	10.04	8.12	9.60
161.6288	10.96	9.34	9.84	8.06	9.54
161.7293	10.94	9.64	9.59	7.83	9.36
161.8297	10.83	9.75	9.75	8.31	9.69
161.9302	10.89	9.47	9.75	8.30	9.64
162.0306	10.83	9.19	9.67	8.43	9.62
162.1311	10.78	9.39	9.65	8.83	9.65
162.2315	10.75	9.55	9.56	8.77	9.52
162.3320	10.78	9.61	9.57	8.63	9.27
162.4324	10.69	9.29	9.60	9.05	9.57
162.5329	10.77	9.38	9.65	9.26	9.94
162.6333	10.92	9.62	9.56	9.21	9.50
162.7338	10.92	9.87	9.43	8.90	9.26
162.8342	10.72	9.65	9.60	8.93	9.57
162.9347	10.69	9.28	9.62	9.40	9.81
163.0352	10.71	9.42	9.47	9.48	9.45
163.1356	10.67	9.70	9.33	9.52	9.15
163.2361	10.67	9.62	9.54	9.59	9.09
163.3365	10.65	9.44	9.65	9.56	9.54
163.4370	10.85	9.61	9.44	9.31	9.43
163.5374	10.70	9.82	9.57	9.43	9.55
163.6379	10.50	9.82	9.59	9.56	9.40
163.7383	10.71	9.77	9.36	9.18	9.10
163.8388	10.72	9.98	9.39	8.88	9.56

163.9392	10.80	10.05	9.64	9.01	9.29
164.0397	10.86	9.83	9.58	9.05	9.42
164.1401	10.73	10.19	9.49	8.91	9.12
164.2406	10.59	10.02	9.60	8.92	9.10
164.3410	10.78	9.85	9.99	9.05	9.28
164.4415	10.88	9.90	9.83	9.03	8.97
164.5419	10.93	10.20	9.55	8.97	9.18
164.6424	10.85	10.04	9.65	9.01	9.31
164.7429	10.57	9.70	9.83	9.18	9.05
164.8433	10.73	10.22	9.70	9.04	9.43
164.9438	10.88	10.33	9.92	8.99	9.27
165.0442	10.78	10.32	9.88	8.90	9.01
165.1447	10.86	10.33	9.87	8.82	8.98
165.2451	10.90	10.39	10.02	8.84	9.26
165.3456	10.66	10.27	9.98	8.91	9.32
165.4460	10.78	10.33	9.91	8.83	9.12
165.5465	10.85	10.46	10.01	8.79	9.34
165.6469	10.92	10.52	9.93	9.10	9.00
165.7474	10.63	10.62	9.96	8.80	9.28
165.8478	10.38	10.59	10.03	8.54	9.60
165.9483	10.53	10.43	9.86	8.80	9.46
166.0487	10.68	10.62	9.98	9.19	8.92
166.1492	10.62	10.70	10.22	8.65	9.19
166.2496	10.34	10.34	10.28	8.25	9.45
166.3501	10.41	10.28	9.98	8.52	9.36
166.4506	10.54	10.65	9.76	8.86	9.18
166.5510	10.55	10.81	10.00	8.60	9.55
166.6515	10.53	10.76	10.27	7.96	9.47
166.7519	10.26	10.56	10.21	7.96	9.44
166.8524	10.36	10.56	10.08	8.19	9.45
166.9528	10.39	10.81	10.05	8.24	9.44
167.0533	10.41	11.09	10.24	8.24	9.37
167.1537	10.52	10.92	10.25	8.37	9.41
167.2542	10.37	10.53	10.04	8.32	9.32
167.3546	10.23	10.50	10.07	8.17	9.09
167.4551	10.41	11.07	10.18	8.44	9.05
167.5555	10.49	11.08	10.31	8.61	9.25
167.6560	10.55	10.91	10.06	8.55	9.13
167.7564	10.51	10.91	9.96	8.46	8.81
167.8569	10.57	11.22	10.14	8.51	9.16
167.9573	10.65	11.33	10.23	8.80	9.27
168.0578	10.41	11.31	10.14	8.82	8.61
168.1583	10.35	11.58	9.97	8.35	8.45
168.2587	10.60	11.49	9.79	8.33	8.90
168.3592	10.66	11.27	9.72	8.62	9.03
168.4596	10.30	11.33	10.10	8.68	8.74
168.5601	10.41	11.19	10.17	8.51	8.76
168.6605	10.36	11.09	9.80	8.52	8.94
168.7610	10.51	11.26	9.94	8.61	8.97
168.8614	10.63	11.33	10.12	8.72	8.89
168.9619	10.28	10.95	9.92	8.62	9.28
169.0623	10.19	10.87	9.95	8.48	9.16
169.1628	10.34	11.06	10.25	8.71	9.07
169.2632	10.38	10.87	10.22	8.48	8.96
169.3637	10.25	10.86	9.89	8.24	9.07
169.4641	10.24	10.78	9.75	8.49	9.14
169.5646	10.03	10.91	10.34	8.63	9.19
169.6650	10.28	10.97	10.55	8.33	9.19
169.7655	10.39	11.15	10.37	8.17	8.81
169.8660	10.45	11.05	9.90	8.51	9.05
169.9664	10.32	10.78	10.09	8.79	9.08

170.0669	10.25	10.92	10.37	8.32	8.88
170.1673	10.58	11.22	10.53	8.03	8.96
170.2678	10.69	10.98	10.58	8.52	9.06
170.3682	10.56	10.66	10.35	8.90	8.96
170.4687	10.47	10.70	10.41	8.90	9.02
170.5691	10.58	10.75	10.34	8.67	8.93
170.6696	10.74	10.92	10.47	8.51	9.19
170.7700	10.73	10.83	10.75	8.48	8.83
170.8705	10.59	10.59	10.46	8.62	8.78
170.9709	10.59	10.67	10.10	8.45	9.08
171.0714	10.67	10.91	10.45	8.46	8.87
171.1718	10.77	10.78	10.56	8.20	9.12
171.2723	10.69	10.49	10.35	8.36	8.74
171.3727	10.69	10.45	10.39	8.46	9.03
171.4732	10.73	10.49	10.38	8.45	9.29
171.5737	10.56	10.40	10.24	8.73	9.06
171.6741	10.63	10.11	9.93	8.77	8.97
171.7746	10.64	10.29	10.10	8.46	8.86
171.8750	10.56	10.24	10.39	8.59	9.23
171.9755	10.49	10.22	9.99	8.78	9.41
172.0759	10.69	10.30	9.76	8.94	8.97
172.1764	10.71	10.54	10.14	8.68	9.03
172.2768	10.50	10.33	10.26	8.58	9.46
172.3773	10.75	10.26	10.13	8.72	9.65
172.4777	10.74	10.82	10.10	8.77	9.38
172.5782	10.51	10.72	9.97	8.90	9.13
172.6786	10.72	10.55	9.99	9.08	9.41
172.7791	11.04	10.61	10.14	8.98	9.27
172.8795	10.65	10.59	10.01	8.52	9.80
172.9800	10.59	10.27	9.79	8.84	9.48
173.0804	10.76	10.24	9.96	8.83	9.09
173.1809	11.24	10.36	10.14	8.14	9.24
173.2814	11.02	10.26	10.06	8.19	9.89
173.3818	10.85	10.32	10.03	8.53	9.78
173.4823	10.69	10.08	10.16	8.10	9.38
173.5827	11.16	9.77	10.14	7.81	9.63
173.6832	11.12	9.96	10.08	7.78	10.10
173.7836	11.09	10.11	10.27	8.05	9.67
173.8841	11.11	10.23	10.34	8.03	9.78
173.9845	11.17	9.86	10.14	7.64	9.93
174.0850	11.08	9.88	9.97	7.54	9.81
174.1854	10.98	9.86	10.21	7.41	9.95
174.2859	11.03	9.84	10.31	7.47	9.82
174.3863	11.22	9.86	10.17	7.69	9.70
174.4868	11.03	10.03	10.17	7.85	9.85
174.5872	10.90	9.81	10.15	7.67	10.17
174.6877	11.31	9.35	10.12	7.57	9.94
174.7881	11.12	9.53	10.19	8.01	9.74
174.8886	10.98	9.76	10.38	8.21	9.95
174.9891	11.06	9.77	10.29	7.86	10.18
175.0895	10.90	9.54	9.99	7.97	9.88
175.1900	10.85	9.29	10.00	8.34	9.81
175.2904	10.71	9.47	10.27	8.33	9.96
175.3909	10.89	9.73	10.41	7.97	9.97
175.4913	10.90	9.70	10.35	7.86	9.84
175.5918	10.38	9.25	10.10	8.09	9.94
175.6922	10.54	9.29	10.20	8.30	9.93
175.7927	10.95	9.83	10.20	8.24	9.95
175.8931	10.77	9.89	10.20	8.03	9.85
175.9936	10.45	9.33	10.25	7.97	9.75
176.0940	10.65	9.30	10.10	8.05	10.03

176.1945	10.80	9.54	9.98	8.37	9.70
176.2949	10.77	9.57	10.38	8.47	9.47
176.3954	10.87	9.55	10.58	8.22	9.63
176.4958	10.60	9.51	10.05	8.26	9.67
176.5963	10.57	9.21	10.06	8.37	9.39
176.6968	10.91	9.40	10.32	8.09	9.34
176.7972	10.92	10.03	10.35	8.20	9.38
176.8977	10.51	10.09	9.87	8.50	9.28
176.9981	10.56	9.93	9.83	8.33	9.50
177.0986	10.84	9.80	10.08	7.86	9.21
177.1990	10.78	9.94	10.36	8.25	9.44
177.2995	10.54	9.82	9.98	8.54	9.85
177.3999	10.59	9.74	9.78	8.22	9.67
177.5004	10.71	9.91	9.93	7.90	9.22
177.6008	10.61	9.79	10.09	8.23	9.43
177.7013	10.40	10.13	10.01	8.70	9.66
177.8017	10.47	9.91	9.66	8.66	9.91
177.9022	10.38	9.46	9.69	8.46	9.68
178.0026	10.29	9.77	9.82	8.55	9.58
178.1031	10.45	10.20	9.83	8.45	9.67
178.2036	10.46	10.22	9.89	8.21	9.84
178.3040	10.19	9.65	10.13	8.24	10.02
178.4045	10.09	9.83	9.81	8.44	9.67
178.5049	10.20	9.93	9.82	8.09	9.60
178.6054	10.41	10.06	9.93	7.90	9.42
178.7058	10.18	10.06	9.89	8.00	9.58
178.8063	10.10	10.18	10.07	7.98	9.46
178.9067	10.17	10.15	10.01	8.22	9.35
179.0072	10.25	9.82	10.10	8.00	9.58
179.1076	10.38	9.99	9.91	7.76	9.34
179.2081	10.13	10.05	9.61	8.12	9.26
179.3085	10.18	9.96	9.96	8.35	9.48
179.4090	10.17	9.71	10.19	8.31	9.56
179.5094	10.32	9.59	9.78	8.01	9.26
179.6099	10.44	9.71	9.61	7.92	8.94
179.7103	10.42	9.79	10.03	8.02	8.95
179.8108	10.27	10.07	10.13	8.02	9.26
179.9113	10.50	10.01	10.00	7.97	9.17
180.0117	10.56	10.09	9.98	8.14	9.30
180.1122	10.32	10.35	9.95	8.02	8.86
180.2126	10.27	10.26	10.02	7.63	8.94
180.3131	10.46	9.83	10.09	7.88	9.21
180.4135	10.48	9.81	9.83	8.59	9.45
180.5140	10.32	10.05	9.62	8.16	9.15
180.6144	10.34	10.09	9.92	7.69	8.97
180.7149	10.39	10.17	10.09	8.01	9.28
180.8153	10.44	10.15	9.85	8.26	9.23
180.9158	10.41	10.11	9.62	8.16	9.20
181.0162	10.35	10.17	9.66	7.76	9.63
181.1167	10.43	10.35	9.79	7.94	9.44
181.2171	10.38	10.43	9.82	8.25	9.08
181.3176	10.46	10.26	9.71	7.99	9.48
181.4180	10.20	10.16	9.69	7.83	9.61
181.5185	10.22	10.40	9.52	7.79	9.52
181.6190	10.30	10.19	9.62	7.94	9.30
181.7194	10.43	10.15	9.65	8.08	9.47
181.8199	10.54	10.43	9.78	8.29	9.24
181.9203	10.46	10.45	9.51	8.30	9.41
182.0208	10.22	10.53	9.33	8.21	9.61
182.1212	10.25	10.26	9.24	8.28	9.44
182.2217	10.55	10.12	9.45	8.66	9.31

182.3221	10.70	10.39	9.45	8.51	9.33
182.4226	10.56	10.66	9.47	8.49	9.54
182.5230	10.38	10.47	9.37	8.47	9.47
182.6235	10.47	10.21	9.30	8.31	9.61
182.7239	10.67	10.41	9.54	8.39	9.61
182.8244	10.59	10.42	9.49	8.51	9.38
182.9248	10.42	10.60	9.45	8.33	9.48
183.0253	10.53	10.50	9.42	8.31	9.51
183.1257	10.56	10.78	9.57	8.38	9.55
183.2262	10.68	11.04	9.73	8.52	9.66
183.3267	10.81	10.80	9.61	8.29	9.22
183.4271	10.70	10.50	9.51	8.16	9.60
183.5276	10.61	10.41	9.88	8.29	9.87
183.6280	10.80	10.48	9.75	8.50	9.55
183.7285	11.02	10.37	9.50	8.24	9.60
183.8289	11.01	10.32	9.48	8.15	9.80
183.9294	10.79	10.25	9.62	8.38	9.64
184.0298	10.70	10.33	9.75	8.31	9.69
184.1303	10.98	10.58	9.61	8.34	9.78
184.2307	11.18	10.46	9.61	8.85	9.58
184.3312	11.02	10.34	9.43	8.84	9.93
184.4316	10.82	10.53	9.45	8.36	9.93
184.5321	10.91	10.66	9.75	8.92	9.60
184.6325	10.99	10.33	9.81	9.14	9.60
184.7330	10.97	10.03	9.39	8.82	10.12
184.8334	11.11	10.29	9.20	8.60	10.19
184.9339	11.02	10.57	9.60	8.88	10.04
185.0344	10.93	10.70	9.54	9.26	9.93
185.1348	10.97	10.68	9.40	9.31	10.13
185.2353	11.22	10.60	9.30	9.49	10.05
185.3357	11.00	10.70	9.35	9.43	10.06
185.4362	11.08	10.78	9.57	9.39	10.21
185.5366	10.96	10.88	9.50	9.43	10.16
185.6371	11.06	10.73	9.24	9.67	9.88
185.7375	11.03	10.54	9.18	9.52	9.73
185.8380	11.08	10.61	9.44	9.00	10.22
185.9384	11.03	10.40	9.58	9.08	10.20
186.0389	11.10	10.56	9.37	9.53	10.03
186.1393	11.15	10.62	9.04	9.37	10.00
186.2398	11.27	10.60	9.16	9.01	9.90
186.3402	11.39	10.54	9.45	8.95	10.18
186.4407	11.16	10.34	9.56	9.19	10.33
186.5411	11.07	10.21	9.02	9.30	10.18
186.6416	11.24	10.15	8.96	9.30	9.69
186.7421	11.27	10.22	9.13	9.09	9.87
186.8425	11.31	10.09	9.37	8.80	10.14
186.9430	10.98	10.18	9.29	8.96	10.13
187.0434	11.02	10.15	8.93	9.13	9.76
187.1439	11.48	10.22	8.94	9.06	10.00
187.2443	11.22	10.51	9.12	8.65	9.77
187.3448	10.98	10.58	9.25	8.67	9.75
187.4452	11.11	10.98	9.31	8.81	9.87
187.5457	11.20	10.95	9.24	8.54	10.12
187.6461	11.29	10.75	9.16	8.40	9.57
187.7466	11.06	10.50	9.44	8.99	9.67
187.8470	10.97	10.73	9.48	8.81	9.81
187.9475	10.95	10.86	9.36	8.36	9.50
188.0479	10.89	10.83	9.31	8.63	9.59
188.1484	11.11	10.58	9.48	9.19	9.78
188.2488	10.95	10.31	9.46	8.95	9.38
188.3493	10.46	10.46	9.41	8.54	9.26

188.4498	10.62	10.67	9.49	8.74	9.83
188.5502	11.04	10.56	9.67	9.05	9.78
188.6507	10.79	10.30	9.56	8.93	9.29
188.7511	10.62	10.30	9.54	8.51	9.31
188.8516	10.66	10.50	9.63	8.41	9.55
188.9520	10.63	10.40	9.51	8.59	9.39
189.0525	10.72	10.30	9.46	8.63	9.59
189.1529	10.61	10.27	9.50	8.77	9.41
189.2534	10.47	10.32	9.66	9.04	9.26
189.3538	10.37	10.49	9.66	8.86	9.14
189.4543	10.52	10.38	9.68	8.71	9.13
189.5547	10.53	10.28	9.71	9.17	9.49
189.6552	10.51	10.54	9.88	9.21	9.24
189.7556	10.29	10.58	9.72	9.04	9.35
189.8561	10.48	10.66	9.88	8.80	9.07
189.9565	10.54	10.73	9.96	8.74	9.16
190.0570	10.57	10.46	9.58	9.05	9.28
190.1575	10.20	10.52	9.59	9.07	9.25
190.2579	10.28	10.67	9.79	8.48	9.21
190.3584	10.44	10.89	9.77	8.28	9.05
190.4588	10.48	10.67	9.72	8.63	8.93
190.5593	10.27	10.61	9.68	8.85	9.36
190.6597	10.10	10.63	9.80	8.66	9.01
190.7602	10.29	10.58	9.89	8.44	8.85
190.8606	10.31	10.41	9.60	8.65	9.20
190.9611	10.17	10.10	9.55	8.95	9.12
191.0615	10.38	10.16	10.00	8.59	8.57
191.1620	10.50	10.28	9.96	8.32	8.81
191.2624	10.37	10.38	9.61	8.64	8.87
191.3629	10.31	9.84	9.43	8.60	8.79
191.4633	10.40	9.83	9.61	8.12	9.02
191.5638	10.42	10.23	9.82	8.45	8.80
191.6642	10.28	10.46	9.68	8.76	8.45
191.7647	10.33	10.43	9.43	8.45	8.67
191.8652	10.19	10.19	9.43	8.48	9.10
191.9656	10.31	10.37	9.56	8.60	8.74
192.0661	10.21	10.36	9.84	8.51	8.50
192.1665	10.47	10.43	9.86	8.44	8.63
192.2670	10.39	10.16	9.52	8.34	8.94
192.3674	10.19	10.26	9.61	8.61	8.76
192.4679	10.23	10.49	9.90	8.71	9.11
192.5683	10.42	10.34	9.89	8.63	9.10
192.6688	10.31	10.36	9.87	8.57	8.88
192.7692	10.31	10.32	9.88	8.49	9.18
192.8697	10.28	10.29	9.78	8.53	9.32
192.9701	10.18	10.29	9.90	8.66	8.99
193.0706	10.22	10.15	10.10	8.56	9.01
193.1710	10.33	10.21	9.93	8.34	9.10
193.2715	10.58	10.24	9.86	8.36	9.05
193.3719	10.13	10.48	9.88	8.51	9.10
193.4724	10.38	10.51	10.09	8.40	9.49
193.5729	10.63	10.51	10.09	8.34	9.56
193.6733	10.35	10.53	10.06	8.46	9.33
193.7738	10.50	10.38	9.95	8.48	9.38
193.8742	10.51	10.44	10.05	8.26	9.75
193.9747	10.56	10.48	10.12	8.57	9.49
194.0751	10.49	10.20	10.14	8.69	9.38
194.1756	10.62	10.18	9.94	8.38	9.33
194.2760	10.60	10.46	9.85	8.38	9.40
194.3765	10.54	10.32	9.96	8.82	9.17
194.4769	10.43	10.30	10.08	8.86	9.40

194.5774	10.49	10.36	10.07	8.56	9.53
194.6778	10.87	10.54	10.32	8.41	9.45
194.7783	10.54	10.43	10.19	8.68	8.97
194.8787	10.40	10.48	9.91	8.79	9.48
194.9792	10.52	10.55	9.93	8.59	9.42
195.0796	10.70	10.67	10.27	8.72	9.17
195.1801	10.65	10.47	10.34	8.62	9.12
195.2806	10.56	10.10	9.97	8.32	9.12
195.3810	10.37	10.08	9.90	8.67	9.04
195.4815	10.62	10.41	9.94	9.12	9.20
195.5819	10.75	10.66	10.17	8.35	9.29
195.6824	10.65	10.12	10.08	8.08	8.92
195.7828	10.63	9.97	9.93	8.56	9.11
195.8833	10.57	10.11	9.93	8.84	9.50
195.9837	10.68	10.37	9.90	8.57	9.22
196.0842	10.65	10.49	9.98	8.00	9.11
196.1846	10.62	10.32	10.12	7.86	9.53
196.2851	10.65	10.24	10.08	7.83	9.16
196.3855	10.88	10.07	9.81	7.99	9.20
196.4860	10.55	10.17	9.73	8.01	9.30
196.5864	10.67	9.98	9.82	7.95	9.45
196.6869	10.81	10.12	9.98	7.81	9.33
196.7873	10.54	10.15	10.03	7.91	9.09
196.8878	10.60	9.86	9.98	8.32	9.33
196.9883	10.72	9.83	9.81	8.12	9.16
197.0887	10.80	9.80	10.14	7.79	9.56
197.1892	10.83	9.90	10.27	7.82	9.41
197.2896	10.83	9.97	10.11	7.94	9.25
197.3901	10.84	9.83	10.32	8.06	9.42
197.4905	10.87	9.84	10.25	7.81	9.55
197.5910	10.84	9.97	10.22	7.65	9.58
197.6914	10.89	10.22	10.34	7.75	9.47
197.7919	10.86	10.28	10.33	7.95	9.40
197.8923	10.89	10.13	10.17	8.05	9.67
197.9928	10.81	10.08	10.10	8.00	9.54
198.0932	10.70	10.15	10.30	7.83	9.39
198.1937	10.85	10.45	10.27	8.05	9.24
198.2941	11.09	10.54	10.20	8.28	9.33
198.3946	10.85	10.36	9.88	8.06	9.31
198.4950	10.57	10.23	10.17	7.91	9.61
198.5955	10.76	10.46	10.50	8.09	9.49
198.6960	11.04	10.43	10.46	8.27	8.99
198.7964	11.03	10.20	10.11	7.84	9.12
198.8969	10.58	10.28	10.19	8.00	9.49
198.9973	10.62	10.44	10.38	8.41	9.37
199.0978	10.89	10.37	10.52	8.22	9.10
199.1982	10.94	10.31	10.33	7.79	9.21
199.2987	10.91	10.36	10.10	8.06	9.20
199.3991	10.61	10.60	10.11	8.26	9.20
199.4996	10.60	10.41	10.29	8.05	9.49
199.6000	10.64	10.13	10.34	7.84	9.94
199.7005	10.79	10.01	10.09	8.03	9.26
199.8009	10.72	10.35	10.01	8.22	9.14
199.9014	10.62	10.64	10.17	8.04	9.87
200.0018	10.33	10.39	10.37	8.10	9.55
200.1023	10.63	10.19	10.03	8.14	9.12
200.2027	10.85	10.16	9.88	8.13	9.50
200.3032	10.77	10.33	10.06	7.72	9.55
200.4037	10.60	10.37	9.99	7.84	9.30
200.5041	10.60	10.29	9.92	8.05	9.52
200.6046	10.79	10.35	10.04	7.83	9.67

200.7050	10.69	10.35	9.98	7.63	9.34
200.8055	10.52	10.47	10.12	7.54	9.35
200.9059	10.55	10.45	10.00	7.86	9.56
201.0064	10.77	10.55	10.04	8.01	9.37
201.1068	10.66	10.29	10.10	7.82	9.06
201.2073	10.55	10.17	9.91	7.58	9.62
201.3077	10.57	10.40	10.02	7.85	9.59
201.4082	10.47	10.40	10.19	8.25	9.12
201.5086	10.53	10.41	10.16	8.12	9.28
201.6091	10.66	10.35	10.05	7.82	9.75
201.7095	10.75	10.21	9.87	7.92	9.41
201.8100	10.41	10.31	10.07	8.05	9.39
201.9104	10.36	10.67	10.32	7.88	9.37
202.0109	10.44	10.68	10.14	7.60	9.60
202.1114	10.56	10.45	9.99	7.90	9.33
202.2118	10.55	10.40	10.06	8.14	9.45
202.3123	10.52	10.67	10.34	7.93	9.55
202.4127	10.28	10.92	10.30	8.10	9.57
202.5132	10.48	11.10	10.04	8.41	9.49
202.6136	10.53	11.22	10.14	8.12	9.53
202.7141	10.50	11.07	10.39	8.07	9.48
202.8145	10.48	10.86	10.32	8.33	9.53
202.9150	10.53	11.03	10.25	8.26	10.03
203.0154	10.48	10.89	10.07	8.11	9.62
203.1159	10.42	10.61	9.97	8.11	9.28
203.2163	10.50	10.74	10.05	8.28	9.71
203.3168	10.58	10.59	10.17	8.35	9.79
203.4172	10.58	10.43	10.15	8.16	9.42
203.5177	10.71	10.32	10.03	7.99	9.82
203.6181	10.66	10.47	9.91	8.00	9.67
203.7186	10.47	10.79	10.44	8.07	9.58
203.8191	10.42	10.46	10.46	8.22	9.57
203.9195	10.71	10.08	10.07	8.14	9.76
204.0200	10.73	10.00	9.96	8.12	9.86
204.1204	10.34	10.29	10.19	8.23	9.73
204.2209	10.45	10.22	10.37	8.28	9.89
204.3213	10.59	10.00	10.07	8.25	9.47
204.4218	10.68	9.80	9.84	8.22	9.72
204.5222	10.37	9.87	9.91	8.27	9.92
204.6227	10.45	10.24	10.20	8.26	9.91
204.7231	10.51	10.25	10.08	8.27	9.74
204.8236	10.13	10.04	9.94	8.24	9.85
204.9240	10.36	10.04	9.88	8.41	10.18
205.0245	10.59	10.19	9.93	8.25	10.11
205.1249	10.33	10.20	9.98	8.14	9.82
205.2254	10.38	10.16	10.22	8.35	9.89
205.3258	10.35	10.18	9.97	8.51	10.00
205.4263	10.51	9.99	9.65	8.17	9.91
205.5268	10.62	10.06	9.68	8.19	10.03
205.6272	10.51	10.16	9.85	8.27	10.14
205.7277	10.62	9.96	9.98	8.30	9.65
205.8281	10.43	9.81	9.69	8.21	9.62
205.9286	10.65	9.67	9.59	7.93	10.30
206.0290	10.70	9.60	9.73	8.11	10.21
206.1295	10.84	9.31	9.98	8.22	9.68
206.2299	10.97	9.38	9.79	8.20	9.77
206.3304	10.87	9.33	9.69	8.53	10.06
206.4308	10.66	9.35	9.91	8.18	9.88
206.5313	10.84	9.53	10.03	7.86	9.81
206.6317	10.95	9.62	9.87	8.43	9.83
206.7322	10.98	9.74	9.73	8.58	9.89

206.8326	10.91	9.92	9.87	8.26	9.58
206.9331	10.88	10.04	10.09	8.14	9.97
207.0335	11.04	9.82	10.06	8.42	10.10
207.1340	11.08	9.69	10.05	8.73	9.63
207.2345	11.00	9.76	9.92	8.72	9.81
207.3349	11.09	9.73	9.79	8.99	10.00
207.4354	10.91	9.62	9.97	9.12	9.64
207.5358	10.80	9.63	10.16	9.23	9.45
207.6363	11.00	9.56	9.87	8.86	9.71
207.7367	11.06	9.68	9.48	8.90	9.68
207.8372	10.81	9.74	9.65	9.15	9.35
207.9376	10.78	9.63	10.09	9.11	9.45
208.0381	10.82	9.90	9.91	9.27	9.44
208.1385	10.77	9.78	9.51	9.27	9.69
208.2390	10.93	9.64	9.66	9.30	9.69
208.3394	10.79	9.42	9.83	9.42	9.85
208.4399	10.67	9.27	9.63	9.47	9.61
208.5403	10.81	9.23	9.71	9.56	9.62
208.6408	10.91	9.69	9.73	9.30	9.65
208.7412	10.80	9.43	9.70	9.42	9.70
208.8417	10.95	9.02	9.74	9.53	9.36
208.9422	10.73	9.36	9.71	9.38	9.79
209.0426	10.68	9.56	9.68	9.29	9.63
209.1431	10.62	9.50	9.71	9.26	9.44
209.2435	10.86	9.33	9.56	9.19	9.28
209.3440	11.04	9.40	9.61	9.05	9.62
209.4444	10.81	9.44	9.55	9.21	9.69
209.5449	10.52	9.70	9.39	9.26	9.52
209.6453	10.94	9.88	9.33	9.01	9.07
209.7458	11.18	9.77	9.53	8.97	9.32
209.8462	10.86	9.80	9.92	9.29	9.49
209.9467	10.91	9.87	9.56	9.02	9.62
210.0471	11.00	9.94	9.26	8.62	9.65
210.1476	10.89	9.88	9.58	8.87	9.06
210.2480	11.03	9.83	9.87	9.27	9.15
210.3485	11.13	9.69	9.87	8.95	9.47
210.4490	11.08	9.37	9.57	8.66	9.38
210.5494	10.94	9.70	9.47	8.89	9.35
210.6499	10.88	9.68	9.60	9.17	9.54
210.7503	11.04	9.75	9.85	9.07	9.10
210.8508	11.03	9.83	9.83	8.63	9.23
210.9512	10.68	9.99	9.61	8.74	9.62
211.0517	10.76	10.17	9.41	8.85	9.54
211.1521	10.83	10.23	9.74	8.85	9.23
211.2526	10.67	10.38	9.92	8.86	9.21
211.3530	10.48	10.12	9.84	8.95	9.32
211.4535	10.47	9.79	9.44	9.03	9.34
211.5539	10.62	9.80	9.60	9.09	9.52
211.6544	10.42	10.19	9.90	9.17	9.35
211.7548	10.39	10.31	9.64	9.26	9.41
211.8553	10.36	10.29	9.58	9.28	9.54
211.9557	10.44	10.15	9.56	9.17	9.67
212.0562	10.41	10.20	9.59	9.32	9.58
212.1567	10.53	10.46	9.74	9.41	9.39
212.2571	10.56	10.48	9.73	9.34	9.47
212.3576	10.50	10.45	9.51	9.07	9.45
212.4580	10.31	10.27	9.62	8.93	9.37
212.5585	10.52	10.46	9.68	9.17	9.26
212.6589	10.60	10.51	9.56	9.50	9.35
212.7594	10.52	10.32	9.61	9.11	9.14
212.8598	10.26	10.47	9.73	8.82	8.97

212.9603	10.28	11.09	9.79	9.03	9.22
213.0607	10.68	10.67	9.64	9.38	9.46
213.1612	10.61	10.27	9.44	8.99	9.20
213.2616	10.41	10.71	9.66	8.38	8.90
213.3621	10.38	10.93	9.84	8.47	8.91
213.4625	10.72	10.92	9.82	8.68	9.26
213.5630	10.55	10.78	9.84	8.30	9.14
213.6634	10.51	10.78	9.54	8.24	8.98
213.7639	10.59	10.63	9.47	8.34	8.97
213.8644	10.44	10.93	9.87	8.19	9.08
213.9648	10.34	11.21	10.02	8.15	9.08
214.0653	10.30	11.08	9.82	8.31	9.37
214.1657	10.22	10.91	9.44	8.36	9.05
214.2662	10.16	11.01	9.47	8.16	8.96
214.3666	10.45	11.41	9.81	8.13	9.41
214.4671	10.37	11.19	9.88	8.41	9.22
214.5675	10.18	10.83	9.50	8.46	8.94
214.6680	10.18	10.70	9.30	8.46	8.95
214.7684	10.48	10.90	9.48	8.47	9.27
214.8689	10.37	11.20	9.62	8.60	9.18
214.9693	10.44	10.87	9.70	8.66	9.20
215.0698	10.20	10.74	9.60	8.40	9.15
215.1702	10.13	10.84	9.42	8.40	8.91
215.2707	10.32	11.31	9.21	8.61	9.36
215.3711	10.12	11.38	9.53	8.97	9.22
215.4716	10.27	11.05	9.64	8.79	9.05
215.5721	10.37	11.05	9.39	8.56	8.92
215.6725	10.34	11.25	9.14	8.51	9.20
215.7730	10.35	11.37	9.47	8.65	8.99
215.8734	10.34	11.29	9.79	8.72	9.20
215.9739	10.32	11.29	9.54	8.36	9.26
216.0743	10.41	11.33	9.24	8.48	9.40
216.1748	10.59	11.34	9.57	8.66	8.96
216.2752	10.38	11.17	9.75	8.63	9.23
216.3757	10.50	10.89	9.64	8.44	9.27
216.4761	10.32	11.02	9.54	8.55	9.45
216.5766	10.51	11.13	9.64	8.59	9.25
216.6770	10.62	10.90	9.94	8.65	9.20
216.7775	10.50	10.63	10.00	8.66	9.00
216.8779	10.39	10.75	9.75	8.60	9.50
216.9784	10.51	10.94	9.59	8.50	9.42
217.0788	10.76	10.74	9.80	8.52	9.32
217.1793	10.74	10.78	9.83	8.64	9.28
217.2798	10.52	11.20	9.90	8.50	9.17
217.3802	10.69	10.92	9.74	8.15	9.30
217.4807	10.89	10.73	9.57	8.55	9.27
217.5811	10.78	11.04	9.57	8.84	9.39
217.6816	10.70	11.05	9.68	8.32	9.31
217.7820	10.58	10.70	9.61	8.34	9.17
217.8825	10.70	10.61	9.60	8.56	9.02
217.9829	10.97	10.88	9.61	8.77	9.20
218.0834	10.97	10.70	9.63	8.54	9.34
218.1838	10.80	10.66	9.64	8.09	9.17
218.2843	10.64	10.67	9.57	8.05	9.08
218.3847	10.97	10.83	9.46	7.98	9.39
218.4852	11.08	10.76	9.54	8.09	9.62
218.5856	11.10	10.71	9.79	7.90	9.35
218.6861	10.99	10.63	9.51	7.81	9.29
218.7865	10.80	10.22	9.17	7.98	9.54
218.8870	10.76	10.21	9.18	8.16	9.61
218.9875	11.12	10.26	9.38	8.22	9.34

219.0879	11.16	10.32	9.77	7.98	9.52
219.1884	10.76	10.18	9.80	7.85	9.30
219.2888	10.67	9.89	9.46	7.97	9.46
219.3893	11.18	9.92	9.42	8.11	9.87
219.4897	11.23	10.04	9.46	8.03	9.62
219.5902	10.86	10.20	9.71	7.75	9.40
219.6906	10.89	10.16	9.81	7.85	9.55
219.7911	11.13	10.04	9.56	7.96	9.79
219.8915	10.97	10.13	9.48	8.10	9.61
219.9920	10.98	10.61	9.70	8.21	9.58
220.0924	11.01	10.53	9.67	7.90	9.73
220.1929	10.85	10.29	9.93	7.79	9.46
220.2933	10.92	10.36	9.96	8.11	9.57
220.3938	10.97	10.53	9.79	8.40	9.77
220.4942	10.71	10.50	9.71	8.05	9.76
220.5947	10.63	10.39	9.72	7.59	9.74
220.6952	11.00	10.18	9.76	7.84	9.45
220.7956	10.94	10.33	9.76	8.12	9.69
220.8961	10.86	10.53	9.75	7.83	9.98
220.9965	10.73	10.38	9.96	7.88	9.77
221.0970	10.89	10.04	9.92	8.20	9.51
221.1974	10.83	9.97	9.67	8.08	9.65
221.2979	10.81	10.26	9.62	7.87	9.66
221.3983	10.81	10.18	9.82	8.25	9.88
221.4988	10.80	10.33	9.98	8.43	10.00
221.5992	10.73	10.60	9.89	8.03	9.52
221.6997	10.81	10.24	9.80	7.86	9.45
221.8001	10.92	10.10	9.77	8.21	9.78
221.9006	10.78	10.38	9.95	8.43	9.88
222.0010	10.60	10.49	10.15	8.16	9.58
222.1015	10.86	10.25	9.99	8.12	9.85
222.2019	11.00	10.34	9.87	8.35	9.49
222.3024	10.88	10.54	9.81	8.38	9.32
222.4029	10.75	10.35	9.65	7.96	9.76
222.5033	10.66	10.32	10.01	7.82	9.94
222.6038	10.80	10.26	10.28	7.88	9.85
222.7042	10.99	10.51	9.85	8.08	9.47
222.8047	10.80	10.49	9.59	7.95	9.87
222.9051	10.50	10.58	9.78	7.63	9.84
223.0056	10.62	10.44	10.25	7.49	10.13
223.1060	10.65	10.23	10.05	7.49	9.92
223.2065	10.74	10.38	9.83	7.59	9.68
223.3069	10.84	10.32	10.00	7.42	9.46
223.4074	10.49	10.40	9.98	7.52	10.27
223.5078	10.56	10.16	9.84	7.62	10.01
223.6083	10.71	9.99	9.94	7.66	9.67
223.7087	10.77	10.05	9.92	7.32	9.46
223.8092	10.82	10.19	9.66	7.52	9.74
223.9096	10.46	10.29	9.61	7.67	9.56
224.0101	10.42	10.15	9.76	7.74	9.68
224.1106	10.63	10.09	9.69	7.67	9.39
224.2110	10.60	9.94	9.79	7.85	9.43
224.3115	10.46	10.24	9.95	7.95	9.24
224.4119	10.46	10.17	9.86	7.94	9.37
224.5124	10.46	10.28	9.83	8.05	9.51
224.6128	10.57	10.34	9.96	8.39	9.49
224.7133	10.42	10.24	9.93	8.39	9.45
224.8137	10.25	10.22	9.69	8.19	9.21
224.9142	10.24	10.25	9.72	8.34	9.29
225.0146	10.38	10.07	9.90	8.42	9.39
225.1151	10.33	10.09	9.76	8.57	9.42

225.2155	10.10	10.31	9.86	8.37	9.31
225.3160	10.14	10.17	9.81	8.43	9.25
225.4164	10.23	9.94	9.96	8.57	9.51
225.5169	10.27	10.07	10.17	8.42	9.64
225.6173	10.14	10.23	10.12	8.32	9.39
225.7178	10.03	9.97	10.06	8.24	9.06
225.8183	10.12	10.06	10.17	8.36	9.35
225.9187	10.25	10.33	10.32	8.18	9.54
226.0192	10.11	10.39	10.44	8.03	8.99
226.1196	10.29	10.35	10.30	8.25	8.85
226.2201	10.24	10.14	10.39	8.28	9.34
226.3205	10.07	10.13	10.51	8.24	9.27
226.4210	10.18	10.31	10.17	7.90	9.37
226.5214	10.30	10.57	10.16	8.00	9.22
226.6219	10.32	10.39	10.32	8.21	8.70
226.7223	10.28	9.98	10.44	8.16	8.91
226.8228	10.41	10.06	10.32	7.95	9.14
226.9232	10.45	10.17	10.38	7.92	9.21
227.0237	10.38	10.34	10.25	8.23	8.83
227.1241	10.36	10.16	10.24	8.19	8.93
227.2246	10.53	10.26	10.43	8.13	9.13
227.3250	10.53	10.33	10.38	8.02	8.99
227.4255	10.37	10.38	10.19	8.07	9.10
227.5260	10.22	10.48	9.89	8.03	9.30
227.6264	10.35	10.37	9.99	8.15	9.05
227.7269	10.46	10.28	10.19	8.20	8.77
227.8273	10.48	10.00	10.22	8.11	8.81
227.9278	10.30	10.12	10.05	7.88	9.32
228.0282	10.29	10.04	9.99	8.16	9.20
228.1287	10.31	9.93	10.02	8.37	8.80
228.2291	10.49	10.08	10.15	8.22	8.97
228.3296	10.38	10.05	9.90	8.32	9.24
228.4300	10.27	10.00	9.86	8.45	9.32
228.5305	10.34	9.71	10.08	8.30	9.43
228.6309	10.37	9.90	10.00	8.16	9.26
228.7314	10.23	9.91	9.83	8.73	9.04
228.8318	10.55	10.06	9.79	8.76	9.10
228.9323	10.41	10.01	9.94	8.27	9.55
229.0327	10.46	9.67	10.00	8.17	9.29
229.1332	10.72	9.79	9.90	8.57	9.01
229.2337	10.61	10.19	9.85	8.96	9.18
229.3341	10.40	10.16	9.95	8.77	8.92
229.4346	10.79	9.94	10.14	8.80	9.23
229.5350	10.82	9.88	10.23	8.92	9.46
229.6355	10.90	9.84	10.17	8.98	9.35
229.7359	10.81	9.97	10.09	8.86	9.17
229.8364	10.93	9.91	9.84	8.73	9.10
229.9368	10.97	9.57	10.04	8.65	9.62
230.0373	10.81	9.64	10.20	8.71	9.43
230.1377	11.03	9.87	9.95	8.94	9.55
230.2382	11.03	10.20	9.85	8.86	9.39
230.3386	11.09	10.39	9.98	8.65	9.53
230.4391	10.87	10.22	10.17	8.63	9.67
230.5395	11.04	10.02	10.21	8.88	9.94
230.6400	11.03	10.06	10.13	9.05	9.60
230.7404	10.85	10.30	10.03	8.97	9.90
230.8409	10.97	10.20	10.19	8.72	9.88
230.9414	10.98	9.95	10.13	8.86	9.85
231.0418	11.07	9.79	9.99	8.99	9.82
231.1423	11.02	9.82	10.06	9.02	10.01
231.2427	10.81	9.83	10.14	9.09	9.95

231.3432	11.01	9.79	10.15	9.03	10.00
231.4436	11.16	9.69	9.99	9.10	9.82
231.5441	11.09	9.95	9.91	9.41	9.90
231.6445	10.95	9.86	9.81	9.53	10.19
231.7450	10.84	9.91	9.79	9.29	10.20
231.8454	11.01	9.93	10.10	9.27	10.10
231.9459	10.96	10.05	10.05	9.57	9.99
232.0463	10.98	9.91	9.89	9.49	10.17
232.1468	11.00	9.70	9.92	9.03	10.18
232.2472	10.74	9.86	10.06	9.13	10.17
232.3477	10.85	9.84	10.12	9.42	10.03
232.4481	11.00	9.89	10.15	9.25	9.96
232.5486	10.89	10.02	10.04	8.88	10.05
232.6491	10.79	10.18	9.93	8.97	9.89
232.7495	10.87	10.23	9.74	9.40	9.53
232.8500	11.15	9.81	9.72	9.33	9.74
232.9504	11.09	9.78	9.79	9.00	10.04
233.0509	10.93	9.95	10.06	8.82	9.69
233.1513	10.89	10.35	9.96	9.02	9.33
233.2518	11.13	10.28	9.83	9.00	9.73
233.3522	11.21	9.79	9.70	9.03	9.81
233.4527	10.92	9.99	9.84	9.16	9.68
233.5531	10.97	10.51	9.92	9.05	9.64
233.6536	10.82	10.38	9.76	9.11	9.36
233.7540	10.76	9.95	9.90	9.11	9.26
233.8545	11.02	9.77	9.84	9.10	9.90
233.9549	10.98	9.84	9.65	9.13	9.71
234.0554	10.84	10.10	9.47	9.18	9.74
234.1558	10.80	9.93	9.82	9.22	9.42
234.2563	10.73	9.34	10.00	9.24	9.73
234.3568	10.74	9.40	9.73	9.29	9.82
234.4572	10.67	9.84	9.48	9.10	9.83
234.5577	10.49	10.22	9.70	9.04	9.71
234.6581	10.57	10.28	10.19	9.03	9.63
234.7586	10.77	10.05	10.21	9.33	9.46
234.8590	10.66	10.04	9.75	9.17	9.76
234.9595	10.38	10.20	9.92	9.00	9.86
235.0599	10.42	10.65	10.19	9.14	9.73
235.1604	10.65	10.39	10.13	9.27	9.33
235.2608	10.53	9.89	10.11	8.80	9.55
235.3613	10.51	10.00	10.06	8.70	9.83
235.4617	10.70	10.40	10.12	8.91	9.60
235.5622	10.66	10.51	10.26	8.90	9.46
235.6626	10.53	10.23	10.38	8.39	9.48
235.7631	10.74	10.30	10.12	8.20	9.57
235.8635	10.81	10.52	9.94	8.54	9.38
235.9640	10.73	10.09	10.11	8.50	9.30
236.0645	10.66	10.06	10.27	8.48	9.62
236.1649	10.80	9.96	9.95	8.24	9.37
236.2654	10.72	10.05	9.76	8.10	9.28
236.3658	10.47	9.90	9.97	8.16	9.21
236.4663	10.49	9.88	10.15	8.20	9.01
236.5667	10.65	10.06	9.97	8.34	9.57
236.6672	10.74	10.06	9.73	8.25	9.22
236.7676	10.75	10.26	9.60	8.08	9.05
236.8681	10.51	10.29	9.91	8.18	9.06
236.9685	10.36	10.22	10.06	8.35	9.35
237.0690	10.65	10.22	9.72	8.46	9.55
237.1694	10.66	10.15	9.53	8.19	9.17
237.2699	10.41	10.23	9.67	8.09	9.34
237.3703	10.54	10.37	9.95	8.37	9.26

237.4708	10.49	10.47	10.05	8.75	9.37
237.5712	10.22	10.41	9.69	8.63	9.39
237.6717	10.20	10.57	9.61	8.28	9.23
237.7722	10.53	10.76	9.55	8.38	9.01
237.8726	10.45	10.89	9.64	8.81	9.45
237.9731	10.19	10.54	9.75	8.84	9.19
238.0735	10.08	10.35	9.55	8.55	9.12
238.1740	10.37	10.58	9.38	8.43	9.15
238.2744	10.62	10.57	9.80	8.43	9.40
238.3749	10.45	10.58	9.92	8.71	9.18
238.4753	10.22	10.38	9.64	8.72	9.14
238.5758	10.39	10.18	9.43	8.96	9.17
238.6762	10.58	10.18	9.63	8.80	9.29
238.7767	10.27	10.41	9.90	8.71	9.20
238.8771	10.44	10.35	9.77	8.88	9.14
238.9776	10.51	10.24	9.77	9.06	9.20
239.0780	10.40	10.27	9.69	8.90	9.27
239.1785	10.47	10.28	9.67	8.77	9.10
239.2789	10.59	10.23	9.73	8.83	9.19
239.3794	10.53	10.56	10.07	8.63	9.39
239.4799	10.54	10.52	9.85	8.41	9.42
239.5803	10.52	10.30	9.61	8.66	9.34
239.6808	10.55	10.51	9.83	8.76	9.30
239.7812	10.54	10.69	10.07	8.28	9.34
239.8817	10.53	10.59	10.15	8.11	9.48
239.9821	10.57	10.34	9.93	8.42	9.69
240.0826	10.49	10.42	9.72	8.88	9.43
240.1830	10.51	10.49	9.98	8.70	8.89
240.2835	10.60	10.29	10.22	8.19	9.34
240.3839	10.47	10.32	10.05	8.04	9.69
240.4844	10.50	10.14	9.77	8.27	9.16
240.5848	10.62	10.27	9.81	8.18	9.18
240.6853	10.56	10.17	10.11	8.15	9.60
240.7857	10.57	10.38	9.97	8.19	9.34
240.8862	10.82	10.59	9.79	8.14	9.30
240.9866	10.61	10.44	9.87	8.30	9.63
241.0871	10.63	10.44	9.89	8.49	9.27
241.1876	10.55	10.27	9.60	8.22	9.36
241.2880	10.74	10.15	9.67	8.09	9.27
241.3885	10.52	10.24	9.87	8.28	9.50
241.4889	10.54	10.49	9.54	8.39	9.18
241.5894	10.75	10.35	9.47	8.41	9.35
241.6898	10.69	10.16	9.75	8.03	9.43
241.7903	10.54	10.21	9.79	7.88	9.45
241.8907	10.72	10.29	9.59	8.18	9.35
241.9912	10.83	10.71	9.43	8.27	9.76
242.0916	10.72	10.82	9.60	8.25	9.61
242.1921	10.61	10.83	9.76	8.05	9.34
242.2925	10.61	10.56	9.65	7.80	9.42
242.3930	10.78	10.50	9.34	8.18	9.73
242.4934	10.74	10.75	9.53	8.36	9.39
242.5939	10.80	10.64	9.76	7.93	9.47
242.6944	10.69	10.56	9.60	7.58	9.70
242.7948	10.59	10.34	9.43	7.77	9.49
242.8953	10.67	10.56	9.52	8.08	9.58
242.9957	11.08	10.60	9.67	7.70	9.58
243.0962	10.91	10.54	9.55	7.59	9.66
243.1966	10.63	10.29	9.44	7.97	9.81
243.2971	10.80	10.45	9.44	7.78	9.84
243.3975	11.08	10.68	9.63	7.67	9.87
243.4980	11.17	10.47	9.80	7.81	9.54

243.5984	10.64	10.32	9.62	7.87	9.45
243.6989	10.43	10.44	9.35	7.67	9.88
243.7993	11.06	10.70	9.53	7.69	9.29
243.8998	11.05	10.81	9.78	7.81	9.51
244.0002	10.71	10.73	9.71	7.87	9.61
244.1007	10.65	10.60	9.53	7.81	9.36
244.2011	10.87	10.56	9.59	7.78	9.24
244.3016	10.94	10.55	9.75	8.02	9.49
244.4021	10.88	10.66	10.05	8.03	9.83
244.5025	10.93	10.53	9.93	7.76	9.17
244.6030	10.69	10.28	9.69	7.63	9.10
244.7034	10.75	10.42	9.83	7.78	9.34
244.8039	10.70	10.42	9.99	8.08	9.37
244.9043	10.76	10.44	10.01	8.28	9.10
245.0048	10.69	10.16	9.75	7.87	9.28
245.1052	10.55	10.55	9.72	7.80	8.97
245.2057	10.70	10.82	9.93	8.20	9.12
245.3061	10.92	10.70	10.03	8.22	9.15
245.4066	10.59	10.45	9.65	7.94	9.48
245.5070	10.51	10.36	9.48	7.86	8.94
245.6075	10.67	10.45	9.68	7.85	9.07
245.7079	10.83	10.60	9.77	7.93	9.23
245.8084	10.81	10.70	9.58	7.91	9.13
245.9088	10.58	10.30	9.44	8.07	8.89
246.0093	10.50	10.39	9.49	8.07	9.01
246.1098	10.66	10.64	9.61	7.75	8.95
246.2102	10.86	10.59	9.67	7.75	8.77
246.3107	10.70	10.64	9.60	8.37	8.79
246.4111	10.29	10.59	9.42	8.25	9.23
246.5116	10.46	10.57	9.43	7.94	9.08
246.6120	10.63	10.85	9.79	8.03	9.02
246.7125	10.49	11.07	9.68	8.28	8.99
246.8129	10.44	10.98	9.48	8.33	9.07
246.9134	10.34	10.73	9.53	8.06	9.16
247.0138	10.46	10.84	9.79	8.02	9.26
247.1143	10.59	10.80	9.81	8.20	9.38
247.2147	10.45	10.81	9.30	8.37	8.88
247.3152	10.28	10.70	9.33	8.46	8.77
247.4156	10.34	10.73	9.76	8.48	9.49
247.5161	10.33	10.56	9.59	8.51	9.43
247.6165	10.30	10.88	9.45	8.56	9.11
247.7170	10.26	11.11	9.71	8.53	9.20
247.8175	10.34	10.87	9.70	8.56	9.28
247.9179	10.31	10.80	9.45	8.34	8.94
248.0184	10.33	10.89	9.50	8.27	9.23
248.1188	10.29	11.01	9.75	8.36	9.34
248.2193	10.46	10.96	9.63	8.38	9.03
248.3197	10.33	10.90	9.59	8.37	9.17
248.4202	10.39	10.99	9.61	8.21	9.25
248.5206	10.32	10.97	9.79	8.06	9.32
248.6211	10.23	10.86	9.87	8.06	9.02
248.7215	10.37	10.80	9.70	8.20	9.35
248.8220	10.57	10.60	9.75	8.22	9.31
248.9224	10.61	10.64	9.88	8.04	9.43
249.0229	10.21	10.78	9.68	7.96	9.26
249.1233	10.24	10.47	9.80	7.94	9.31
249.2238	10.52	10.08	9.89	7.85	9.09
249.3242	10.62	10.17	9.80	7.95	9.53
249.4247	10.50	10.82	9.83	7.86	9.76
249.5252	10.37	10.75	9.89	7.80	9.39
249.6256	10.33	10.42	10.06	7.37	9.23

249.7261	10.47	10.25	10.09	7.54	9.84
249.8265	10.48	10.42	9.89	7.81	9.69
249.9270	10.54	10.44	9.89	7.91	9.37
250.0274	10.35	10.52	9.74	7.57	9.69
250.1279	10.35	10.59	9.84	7.56	9.71
250.2283	10.66	10.28	9.85	7.88	9.78
250.3288	10.59	10.47	9.80	7.91	9.75
250.4292	10.53	10.51	9.82	7.93	9.81
250.5297	10.49	10.43	9.65	8.11	9.83
250.6301	10.60	10.36	9.62	7.91	9.79
250.7306	10.69	10.40	9.76	7.99	9.82
250.8310	10.56	10.45	9.82	8.50	9.83
250.9315	10.58	10.52	9.65	8.40	9.54
251.0319	10.54	10.34	9.60	8.05	9.96
251.1324	10.62	10.17	9.52	8.07	9.84
251.2329	10.61	10.34	9.52	8.37	9.57
251.3333	10.84	10.56	9.68	8.51	9.64
251.4338	10.58	10.39	9.74	8.43	10.09
251.5342	10.42	10.08	9.53	8.39	9.90
251.6347	10.65	10.17	9.35	8.79	9.44
251.7351	10.76	10.53	9.50	8.84	9.75
251.8356	10.81	10.32	9.75	8.56	9.86
251.9360	10.72	10.39	9.51	8.40	9.92
252.0365	10.60	10.54	9.51	8.48	9.86
252.1369	10.88	10.29	9.46	8.70	9.88
252.2374	11.05	10.24	9.46	9.01	9.48
252.3378	10.77	10.38	9.78	8.74	9.90
252.4383	10.79	10.42	9.72	8.50	10.13
252.5387	10.83	10.43	9.54	8.85	9.96
252.6392	10.91	10.35	9.61	9.02	9.54
252.7396	10.93	10.47	9.84	8.96	9.92
252.8401	10.88	10.38	9.75	8.84	9.80
252.9406	10.72	10.17	9.69	8.81	9.84
253.0410	10.78	10.02	9.89	8.85	9.89
253.1415	10.94	10.01	9.86	9.02	9.81
253.2419	11.14	10.22	9.65	9.14	9.67
253.3424	11.04	10.06	9.75	9.19	9.77
253.4428	10.70	9.61	9.84	8.79	10.05
253.5433	10.90	9.14	9.90	8.82	10.11
253.6437	10.97	9.30	9.83	9.48	9.71
253.7442	11.05	9.60	9.84	9.55	9.78
253.8446	10.95	9.43	10.06	9.21	9.80
253.9451	10.88	9.15	10.08	9.13	10.05
254.0455	10.92	9.15	10.08	9.51	9.94
254.1460	11.06	9.52	10.11	9.53	9.78
254.2464	10.92	9.61	9.92	9.10	9.88
254.3469	10.98	9.66	10.04	9.23	9.73
254.4473	10.94	9.67	10.11	9.58	9.82
254.5478	10.86	9.34	10.08	9.42	9.91
254.6483	11.02	9.44	9.86	9.41	9.92
254.7487	11.03	9.46	9.84	9.39	9.81
254.8492	10.99	9.68	9.94	9.34	9.38
254.9496	11.04	9.79	10.07	9.47	9.32
255.0501	11.15	9.90	9.77	9.46	9.55
255.1505	11.03	9.73	9.62	9.44	10.02
255.2510	10.94	9.55	9.89	9.26	9.64
255.3514	10.97	9.58	9.84	9.00	9.47
255.4519	11.03	9.59	9.70	9.27	9.63
255.5523	11.05	9.72	9.77	9.41	9.66
255.6528	11.00	9.67	9.76	9.31	9.75
255.7532	10.89	9.51	9.87	9.19	9.66

255.8537	10.99	9.31	9.97	9.05	9.67
255.9541	11.25	9.69	9.71	8.97	9.40
256.0546	10.94	10.03	9.74	9.12	9.71
256.1550	10.76	9.52	9.77	9.16	9.60
256.2555	10.97	9.38	9.96	8.76	9.48
256.3560	11.09	9.69	9.82	8.91	9.41
256.4564	10.87	9.82	9.67	9.05	9.93
256.5569	10.82	9.57	9.70	8.95	9.57
256.6573	10.94	9.24	9.90	8.96	9.21
256.7578	10.78	9.30	9.88	8.92	9.59
256.8582	10.75	9.79	9.68	9.15	9.57
256.9587	10.93	9.90	9.80	8.93	9.26
257.0591	10.93	9.94	9.92	8.79	9.54
257.1596	10.71	9.86	9.88	9.00	9.37
257.2600	10.65	9.96	9.90	9.20	9.08
257.3605	10.76	10.17	9.98	8.78	9.41
257.4609	10.82	10.21	9.89	8.65	9.42
257.5614	10.66	10.08	9.89	8.92	9.06
257.6618	10.49	10.04	9.99	8.99	9.25
257.7623	10.62	9.97	10.29	8.69	9.48
257.8627	10.50	9.65	10.05	8.75	9.28
257.9632	10.60	9.83	10.04	8.92	9.22
258.0637	10.45	10.01	10.13	8.87	9.24
258.1641	10.45	9.87	10.29	8.88	9.23
258.2646	10.45	9.89	10.36	8.69	9.20
258.3650	10.42	10.14	10.18	8.44	9.43
258.4655	10.44	10.25	10.17	8.42	9.31
258.5659	10.44	10.10	10.22	8.48	9.15
258.6664	10.29	10.32	10.37	8.40	9.11
258.7668	10.22	10.47	10.46	8.28	9.39
258.8673	10.41	10.11	10.21	8.33	9.65
258.9677	10.16	10.02	10.25	8.52	9.31
259.0682	10.11	10.11	10.36	8.48	9.30
259.1686	10.47	10.41	10.50	8.39	9.43
259.2691	10.42	10.37	10.34	8.34	9.44
259.3695	10.31	10.40	10.15	8.40	9.12
259.4700	10.44	10.24	10.37	8.51	9.51
259.5704	10.28	10.53	10.36	8.64	9.58
259.6709	10.35	10.56	10.23	8.68	9.14
259.7714	10.51	10.13	10.09	8.37	9.07
259.8718	10.53	10.23	10.08	8.45	9.34
259.9723	10.24	10.45	10.22	8.77	9.22
260.0727	10.22	10.64	10.25	8.68	9.39
260.1732	10.50	10.38	10.26	8.54	9.13
260.2736	10.55	10.32	10.12	8.64	8.89
260.3741	10.32	10.51	9.95	8.68	9.10
260.4745	10.16	10.49	10.17	8.92	9.34
260.5750	10.46	10.67	10.35	8.86	9.25
260.6754	10.58	10.68	10.23	9.07	8.92
260.7759	10.25	10.49	10.02	8.83	9.03
260.8763	10.38	10.11	9.85	8.68	9.33
260.9768	10.28	10.11	10.07	8.80	9.14
261.0772	10.12	10.38	10.18	9.17	9.25
261.1777	10.18	10.52	9.75	9.06	9.17
261.2781	10.27	10.37	9.62	8.75	9.22
261.3786	10.36	10.57	9.80	8.89	9.09
261.4791	10.01	10.67	9.96	8.93	9.27
261.5795	10.06	10.60	9.95	8.75	9.28
261.6800	10.33	10.67	9.81	8.85	9.18
261.7804	10.41	10.64	9.91	8.88	9.33
261.8809	10.25	10.39	10.05	8.42	9.23

261.9813	10.20	10.31	10.12	8.54	9.22
262.0818	10.37	10.27	10.12	8.74	9.49
262.1822	10.52	10.01	10.08	8.74	9.35
262.2827	10.44	10.14	9.93	8.50	9.39
262.3831	10.57	10.13	10.13	8.33	9.13
262.4836	10.34	10.14	10.17	8.51	9.32
262.5840	10.57	10.23	10.07	8.48	9.37
262.6845	10.77	10.22	10.11	8.01	9.25
262.7849	10.76	9.96	10.37	7.96	9.28
262.8854	10.62	10.00	10.28	8.20	9.26
262.9858	10.54	10.43	10.29	8.29	9.47
263.0863	10.79	10.52	10.41	8.24	9.15
263.1868	10.80	10.12	10.35	8.09	9.43
263.2872	10.88	9.97	10.32	7.93	9.30
263.3877	10.66	10.19	10.41	7.97	9.37
263.4881	10.58	10.55	10.37	8.13	9.26
263.5886	10.83	10.65	10.20	7.90	9.52
263.6890	10.84	10.43	10.32	7.88	9.07
263.7895	10.76	10.02	10.49	7.97	9.29
263.8899	10.68	10.27	10.29	8.10	9.55
263.9904	10.57	10.29	10.01	8.22	9.39
264.0908	10.68	9.99	10.20	8.07	9.37
264.1913	10.83	9.94	10.41	8.11	9.66
264.2917	10.80	10.07	10.15	8.15	9.16
264.3922	10.63	10.60	9.91	7.98	9.25
264.4926	10.49	10.42	10.00	8.34	9.63
264.5931	10.64	9.96	10.00	8.41	9.57
264.6935	10.74	10.01	9.85	7.99	9.18
264.7940	10.35	10.33	9.85	7.68	9.45
264.8945	10.51	10.41	9.84	8.01	9.55
264.9949	10.65	10.05	9.83	8.37	9.37
265.0954	10.78	9.94	9.74	8.01	9.36
265.1958	10.66	10.01	9.83	7.91	9.48
265.2963	10.74	10.29	9.97	8.00	9.30
265.3967	10.82	10.31	9.83	7.93	9.36
265.4972	10.91	10.07	9.58	7.88	9.60
265.5976	10.95	10.03	9.69	8.04	9.41
265.6981	10.83	10.43	10.09	7.83	9.34
265.7985	10.84	10.45	10.13	7.55	9.44
265.8990	10.80	10.11	9.78	7.64	9.49
265.9994	10.93	10.20	9.64	7.85	9.50
266.0999	10.81	10.33	9.83	7.89	9.23
266.2003	10.95	10.27	9.99	7.72	9.26
266.3008	10.93	10.15	9.87	7.66	9.39
266.4012	10.98	10.07	9.73	7.75	9.47
266.5017	10.96	9.88	9.70	7.74	9.31
266.6022	11.01	10.01	9.80	7.58	9.68
266.7026	11.11	10.20	9.86	7.43	9.57
266.8031	11.07	10.17	9.95	7.44	9.32
266.9035	11.00	9.91	9.98	7.79	9.52
267.0040	10.96	9.95	9.90	8.01	9.73
267.1044	10.92	10.00	9.83	7.74	9.71
267.2049	10.94	10.08	9.97	7.68	9.46
267.3053	11.09	10.03	9.95	8.18	9.41
267.4058	11.03	10.21	9.97	8.13	9.65
267.5062	10.60	10.35	9.91	7.75	9.79
267.6067	10.45	10.38	9.80	7.86	9.74
267.7071	10.87	10.57	9.82	8.08	9.67
267.8076	11.06	10.59	9.88	7.99	9.47
267.9080	10.79	10.54	10.01	7.68	9.94
268.0085	10.81	10.54	10.02	7.85	10.02

268.1089	10.68	10.38	9.89	8.02	9.79
268.2094	10.79	10.50	9.88	7.85	9.81
268.3099	10.73	10.32	9.91	7.76	9.93
268.4103	10.72	10.14	9.84	8.18	9.91
268.5108	10.68	10.08	9.94	8.30	9.58
268.6112	10.73	10.32	9.81	8.07	9.95
268.7117	10.75	10.63	9.82	8.11	9.78
268.8121	10.74	10.47	9.76	8.25	9.70
268.9126	10.91	10.17	9.77	8.15	9.75
269.0130	10.81	10.28	9.75	8.10	9.72
269.1135	10.69	10.59	9.91	8.22	9.86
269.2139	10.74	10.55	9.79	8.12	9.72
269.3144	10.97	10.45	9.53	8.02	9.60
269.4148	10.79	10.54	9.63	8.21	9.59
269.5153	10.56	10.51	9.71	8.37	9.24
269.6157	10.65	10.67	9.69	8.45	9.63
269.7162	10.88	10.65	9.59	8.34	9.59
269.8166	10.55	10.51	9.66	8.49	9.44
269.9171	10.47	10.60	9.69	8.43	9.49
270.0176	10.46	10.93	9.64	8.15	9.60
270.1180	10.45	10.98	9.59	8.13	9.74
270.2185	10.42	10.75	9.70	8.07	9.55
270.3189	10.25	10.92	9.70	8.14	9.70
270.4194	10.43	11.10	9.58	8.19	9.37
270.5198	10.36	11.00	9.53	8.08	9.60
270.6203	10.32	10.86	9.63	7.92	9.57
270.7207	10.15	11.03	9.44	7.86	9.66
270.8212	10.19	11.07	9.56	8.28	9.21
270.9216	10.22	10.95	9.71	8.33	9.63
271.0221	10.34	10.74	9.55	7.91	9.63
271.1225	10.19	10.65	9.28	8.02	9.37
271.2230	10.25	10.62	9.34	8.27	9.23
271.3234	10.23	10.67	9.74	8.21	9.22
271.4239	10.42	10.63	9.86	8.11	9.03
271.5243	10.60	10.71	9.63	7.84	9.32
271.6248	10.56	10.60	9.81	7.95	9.27
271.7253	10.44	10.76	9.66	7.73	9.00
271.8257	10.47	11.08	9.53	7.94	8.91
271.9262	10.62	11.08	9.73	8.10	9.16
272.0266	10.54	11.01	9.87	7.88	9.28
272.1271	10.53	10.75	9.91	7.42	9.11
272.2275	10.39	10.97	9.78	7.66	9.01
272.3280	10.51	11.28	9.70	8.12	9.20
272.4284	10.66	11.12	9.74	7.84	9.17
272.5289	10.49	11.11	9.92	7.57	9.02
272.6293	10.36	10.90	9.91	7.66	9.23
272.7298	10.53	10.98	9.81	7.74	9.20
272.8302	10.45	10.83	9.73	7.79	9.11
272.9307	10.45	10.86	9.85	8.14	9.06
273.0311	10.57	10.89	9.79	8.04	9.14
273.1316	10.39	10.95	9.81	7.66	9.23
273.2320	10.44	10.66	9.95	7.89	9.19
273.3325	10.50	10.54	9.97	8.35	9.19
273.4330	10.39	10.94	9.59	8.53	9.24
273.5334	10.27	10.79	9.62	8.24	9.12
273.6339	10.25	10.63	9.73	8.20	9.19
273.7343	10.35	10.42	9.69	8.71	9.38
273.8348	10.56	10.41	9.54	8.74	8.91
273.9352	10.47	10.54	9.27	8.54	9.04
274.0357	10.14	10.55	9.43	8.33	9.39
274.1361	10.24	10.47	9.66	8.42	9.09

274.2366	10.66	10.40	9.42	8.83	8.89
274.3370	10.43	10.48	9.12	8.92	9.03
274.4375	10.37	10.43	9.24	8.78	9.34
274.5379	10.36	10.42	9.27	8.65	9.30
274.6384	10.32	10.60	9.28	9.11	9.06
274.7388	10.54	10.47	9.19	9.13	8.87
274.8393	10.62	10.23	9.26	8.89	9.01
274.9398	10.53	10.30	9.20	8.85	9.12
275.0402	10.51	10.60	9.54	8.85	9.30
275.1407	10.52	10.66	9.69	8.87	9.12
275.2411	10.82	10.41	9.37	8.76	9.27
275.3416	10.73	10.01	9.23	8.63	9.41
275.4420	10.46	10.15	9.51	8.94	9.30
275.5425	10.79	10.29	9.72	8.65	9.28
275.6429	11.03	10.39	9.45	8.63	9.39
275.7434	10.91	10.26	9.34	9.05	9.58
275.8438	10.65	10.09	9.50	9.16	9.19
275.9443	10.71	9.69	9.57	9.00	9.45
276.0447	10.84	9.85	9.73	8.87	9.43
276.1452	10.95	10.36	9.70	9.05	9.42
276.2456	10.89	10.25	9.51	8.92	9.38
276.3461	10.77	10.01	9.58	8.96	9.34
276.4465	10.77	9.92	9.66	9.13	9.49
276.5470	11.08	10.30	9.73	9.21	9.57
276.6475	11.06	10.48	9.76	8.87	9.21
276.7479	11.05	10.38	9.60	8.84	9.47
276.8484	10.90	10.26	9.70	9.23	9.50
276.9488	10.89	10.10	9.75	9.43	9.67
277.0493	10.88	10.26	9.66	9.33	9.53
277.1497	10.98	10.12	9.45	9.41	9.41
277.2502	10.91	10.18	9.37	9.19	9.39
277.3506	10.84	10.08	9.55	9.10	9.55
277.4511	10.85	10.17	9.75	9.44	9.58
277.5515	10.64	9.95	9.54	9.47	9.31
277.6520	10.73	9.86	9.12	9.60	9.82
277.7524	11.12	10.22	9.50	9.65	9.70
277.8529	10.79	10.11	9.91	9.60	9.49
277.9533	10.58	10.23	9.69	9.39	9.59
278.0538	10.82	9.97	9.35	9.35	10.17
278.1542	10.86	9.75	9.37	9.68	9.74
278.2547	10.91	9.91	9.49	9.63	9.47
278.3552	10.87	10.16	9.69	9.08	9.68
278.4556	10.75	9.93	9.70	9.21	9.75
278.5561	10.64	9.64	9.40	9.70	9.50
278.6565	10.92	9.69	9.20	9.51	9.81
278.7570	10.96	9.94	9.42	9.22	9.55
278.8574	10.81	10.27	9.73	9.26	9.34
278.9579	10.80	10.05	9.57	9.55	9.80
279.0583	10.96	9.53	9.34	9.28	9.92
279.1588	10.91	9.61	9.49	8.99	9.70
279.2592	10.81	10.04	9.83	9.05	9.66
279.3597	10.83	10.36	9.62	9.02	9.81
279.4601	11.03	10.13	9.36	8.52	10.03
279.5606	10.78	9.85	9.42	8.57	9.87
279.6610	10.89	9.81	9.69	8.84	9.81
279.7615	10.93	10.28	9.66	8.47	9.81
279.8619	10.69	10.47	9.51	8.31	9.76
279.9624	10.82	10.25	9.36	8.54	9.72
280.0629	10.94	9.96	9.57	8.66	9.84
280.1633	10.89	10.05	9.92	8.47	9.92
280.2638	10.80	9.93	9.87	8.47	9.78

280.3642	10.68	9.92	9.61	8.52	9.79
280.4647	10.84	10.14	9.49	8.37	9.83
280.5651	10.75	10.32	9.66	8.53	9.85
280.6656	10.88	10.23	9.77	8.58	9.73
280.7660	10.78	10.04	9.83	8.57	9.71
280.8665	10.66	10.09	9.70	8.34	9.64
280.9669	10.74	10.39	9.65	8.50	9.46
281.0674	10.86	10.48	9.70	8.96	9.80
281.1678	10.69	10.00	9.83	8.88	9.83
281.2683	10.50	9.84	9.89	8.92	9.60
281.3687	10.71	9.94	9.96	8.80	9.79
281.4692	10.76	9.81	9.84	8.77	10.00
281.5696	10.65	9.80	9.73	8.98	9.77
281.6701	10.40	9.63	9.92	9.04	9.63
281.7706	10.63	9.76	9.96	8.96	9.69
281.8710	10.61	9.75	9.98	8.56	9.58
281.9715	10.57	9.83	9.87	8.65	9.71
282.0719	10.52	9.89	9.91	9.01	9.72
282.1724	10.50	9.91	9.89	8.83	9.64
282.2728	10.29	10.20	9.90	8.58	9.58
282.3733	10.40	10.09	9.89	8.57	9.72
282.4737	10.63	10.06	9.95	8.85	9.61
282.5742	10.44	10.17	10.10	9.03	9.37
282.6746	10.42	10.22	10.02	8.70	9.53
282.7751	10.42	10.30	9.82	8.90	9.68
282.8755	10.62	10.32	9.78	8.77	9.21
282.9760	10.56	10.09	10.16	8.74	9.23
283.0764	10.45	10.27	10.18	8.85	9.54
283.1769	10.48	10.66	9.78	8.93	9.11
283.2773	10.63	10.28	9.72	8.87	9.20
283.3778	10.47	9.63	9.78	8.71	9.43
283.4783	10.46	9.74	9.73	8.93	9.38
283.5787	10.36	10.27	9.86	8.96	9.00
283.6792	10.51	10.54	9.89	8.82	9.15
283.7796	10.51	10.00	9.64	8.79	9.22
283.8801	10.52	9.68	9.63	8.87	9.20
283.9805	10.31	9.82	9.54	8.67	9.30
284.0810	10.37	10.19	9.81	8.40	9.42
284.1814	10.51	10.39	9.83	8.63	9.17
284.2819	10.42	10.11	9.90	8.81	9.31
284.3823	10.37	9.87	9.98	8.57	9.42
284.4828	10.47	9.95	9.92	8.39	9.56
284.5832	10.40	9.90	9.92	8.26	9.45
284.6837	10.38	9.81	10.08	8.31	9.41
284.7841	10.47	9.82	10.15	8.40	9.67
284.8846	10.41	10.09	10.03	8.39	9.26
284.9850	10.43	10.32	10.06	8.42	9.46
285.0855	10.51	10.46	9.87	8.42	9.72
285.1860	10.42	10.34	10.00	8.44	9.73
285.2864	10.46	10.42	10.29	8.20	9.14
285.3869	10.54	10.67	10.51	8.12	9.50
285.4873	10.45	10.42	10.23	8.11	9.84
285.5878	10.50	10.29	10.13	8.11	9.54
285.6882	10.69	10.03	10.14	7.89	9.31
285.7887	10.69	9.98	10.22	7.98	9.56
285.8891	10.56	10.19	10.19	8.13	9.41
285.9896	10.55	10.17	10.15	8.06	9.56
286.0900	10.75	10.14	10.20	8.05	9.67
286.1905	10.86	10.12	10.28	8.13	9.43
286.2909	10.75	10.18	10.28	8.34	9.37
286.3914	10.67	10.07	10.11	8.21	9.72

286.4918	10.66	10.19	10.16	7.88	9.76
286.5923	10.96	10.11	10.26	8.15	9.41
286.6927	10.81	10.04	10.21	8.22	9.60
286.7932	10.70	10.32	10.07	7.75	9.65
286.8937	10.78	10.41	10.01	7.69	9.71
286.9941	10.77	10.39	9.95	7.97	9.73
287.0946	10.73	10.27	10.22	7.92	9.71
287.1950	10.85	10.42	10.24	7.89	9.59
287.2955	10.82	10.27	10.16	8.04	9.69
287.3959	10.60	10.53	9.93	8.12	9.54
287.4964	10.67	10.74	10.03	7.89	9.78
287.5968	10.64	10.31	10.04	7.80	9.64
287.6973	10.95	9.90	10.24	8.10	9.70
287.7977	11.06	9.98	10.20	8.09	9.62
287.8982	10.77	10.27	9.97	7.97	9.79
287.9986	10.80	10.32	10.11	7.94	9.92
288.0991	10.76	10.19	10.31	7.94	9.79
288.1995	10.86	10.20	10.27	7.69	9.69
288.3000	11.01	10.03	10.08	8.01	9.69
288.4004	10.91	10.09	9.92	8.21	9.78
288.5009	10.74	10.43	10.04	7.98	9.92
288.6014	10.85	10.35	10.17	7.92	9.71
288.7018	10.83	9.88	10.13	7.77	9.39
288.8023	10.95	9.78	10.09	7.53	9.63
288.9027	11.20	10.06	10.22	7.59	9.91
289.0032	10.99	10.09	10.20	7.91	9.69
289.1036	10.80	9.91	10.07	7.88	9.77
289.2041	11.02	10.08	10.19	7.56	9.64
289.3045	10.91	10.35	10.27	7.50	9.67
289.4050	10.79	10.34	10.13	8.07	9.54
289.5054	10.91	10.02	10.16	7.94	9.57
289.6059	10.90	10.19	10.23	7.65	9.49
289.7063	10.72	10.41	10.37	7.68	9.35
289.8068	10.89	10.15	10.29	7.99	9.45
289.9072	10.86	10.33	10.12	8.07	9.39
290.0077	10.70	10.27	10.23	7.74	9.21
290.1081	10.70	10.24	10.21	7.86	9.67
290.2086	10.80	10.28	10.27	8.16	9.50
290.3091	10.75	10.31	10.07	8.22	8.99
290.4095	10.62	10.41	10.24	8.08	9.44
290.5100	10.72	10.43	10.55	8.47	9.69
290.6104	10.66	10.26	10.35	8.42	9.34
290.7109	10.74	10.01	10.07	8.44	8.87
290.8113	10.66	10.17	10.25	8.73	9.31
290.9118	10.56	10.19	10.36	8.82	9.47
291.0122	10.54	10.19	10.24	8.65	9.39
291.1127	10.51	10.34	10.21	8.40	9.22
291.2131	10.41	10.35	10.28	8.48	9.06
291.3136	10.58	10.43	10.47	8.57	8.97
291.4140	10.52	10.38	10.44	8.38	9.35
291.5145	10.27	10.89	10.32	8.30	9.39
291.6149	10.48	10.70	10.10	8.42	9.13
291.7154	10.62	10.63	10.19	8.56	8.95
291.8158	10.71	10.81	10.40	8.32	9.14
291.9163	10.37	10.69	10.49	8.23	9.03
292.0168	10.24	10.49	10.15	8.25	8.77
292.1172	10.68	10.35	10.03	8.18	9.20
292.2177	10.75	10.55	10.21	8.21	9.01
292.3181	10.52	10.48	10.33	7.94	8.94
292.4186	10.42	10.59	10.31	7.87	8.79
292.5190	10.64	10.73	10.26	8.01	9.27

292.6195	10.52	10.54	9.94	7.93	9.10
292.7199	10.48	10.41	9.94	7.76	8.79
292.8204	10.50	10.51	10.22	7.63	8.95
292.9208	10.48	10.58	10.04	7.80	9.10
293.0213	10.39	10.25	9.85	7.89	9.07
293.1217	10.56	10.13	9.96	7.59	9.05
293.2222	10.51	10.33	9.99	7.72	8.76
293.3226	10.36	10.36	9.84	7.78	8.81
293.4231	10.16	10.22	9.89	7.86	9.03
293.5235	10.27	10.29	9.99	7.77	9.06
293.6240	10.56	10.30	9.89	7.72	8.94
293.7245	10.18	10.20	9.82	7.82	8.64
293.8249	10.10	10.03	9.92	7.49	9.12
293.9254	10.20	10.25	10.13	7.70	9.03
294.0258	10.38	10.37	10.12	7.96	8.87
294.1263	10.39	10.33	10.19	7.76	8.97
294.2267	10.09	10.48	10.19	7.51	8.86
294.3272	9.99	10.52	10.10	7.75	8.71
294.4276	10.34	10.61	10.13	7.98	8.76
294.5281	10.36	10.62	10.04	7.78	9.04
294.6285	10.01	10.43	10.24	7.60	8.94
294.7290	10.07	10.40	10.16	7.79	8.64
294.8294	10.44	10.61	9.83	7.86	8.97
294.9299	10.50	10.55	10.00	7.89	8.97
295.0303	10.22	10.11	10.15	8.03	9.05
295.1308	10.30	10.22	9.90	8.10	9.00
295.2312	10.07	10.45	9.99	7.96	8.79
295.3317	10.53	10.50	10.14	7.92	8.90
295.4322	10.62	10.64	10.18	8.19	9.02
295.5326	10.46	10.61	9.91	8.19	9.09
295.6331	10.11	10.56	9.91	8.21	8.96
295.7335	10.14	10.59	10.31	8.32	8.97
295.8340	10.56	10.91	10.26	8.32	9.01
295.9344	10.57	10.62	9.96	8.37	9.22
296.0349	10.37	10.58	9.89	8.29	9.19
296.1353	10.28	10.67	10.00	8.07	9.09
296.2358	10.28	10.60	9.91	8.15	9.39
296.3362	10.47	10.63	9.89	8.45	9.10
296.4367	10.49	10.54	9.93	8.36	9.19
296.5371	10.41	10.45	10.08	8.43	9.37
296.6376	10.27	10.20	9.97	8.53	9.57
296.7380	10.38	10.49	9.98	8.87	9.35
296.8385	10.46	10.62	9.84	8.68	9.39
296.9389	10.45	10.41	9.80	8.62	9.54
297.0394	10.36	10.30	9.69	8.64	9.49
297.1399	10.33	10.63	9.84	8.77	9.56
297.2403	10.37	10.85	9.85	8.86	9.68
297.3408	10.49	10.34	9.47	8.52	9.31
297.4412	10.54	10.22	9.52	8.51	9.29
297.5417	10.67	10.61	9.77	8.77	9.87
297.6421	10.46	10.53	9.89	8.77	9.57
297.7426	10.58	10.22	9.69	8.71	9.34
297.8430	10.80	10.22	9.23	9.13	9.44
297.9435	10.63	10.30	9.34	9.05	9.74
298.0439	10.68	10.35	9.85	8.95	9.38
298.1444	10.56	10.23	9.61	9.06	9.58
298.2448	10.92	10.11	9.22	9.17	9.57
298.3453	10.87	10.11	9.34	9.09	9.49
298.4457	10.64	10.32	9.72	8.72	9.51
298.5462	10.92	10.50	9.71	8.80	9.74
298.6466	11.13	10.29	9.43	9.04	9.59

298.7471	10.81	9.99	9.39	8.90	9.64
298.8476	10.94	9.95	9.40	8.70	9.67
298.9480	11.12	10.05	9.68	8.67	9.76
299.0485	11.15	10.05	9.71	8.93	9.51
299.1489	10.95	10.16	9.47	8.89	9.81
299.2494	10.93	9.81	9.27	8.98	10.01
299.3498	11.09	9.62	9.43	8.84	9.63
299.4503	10.97	9.93	9.82	8.79	9.92
299.5507	10.97	10.03	9.60	9.00	9.74
299.6512	11.08	9.98	9.33	9.09	9.86
299.7516	11.04	10.03	9.34	9.12	9.68
299.8521	10.89	10.16	9.41	9.27	9.95
299.9525	11.00	10.23	9.60	9.33	10.15
300.0530	11.08	10.30	9.60	9.07	9.92

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_1\Relazione\L1_D.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 1 - Portata massima 200 l/s
Filename = L1_D.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_1\Relazione\L1_D.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
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Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	97.27	10.03	102.57	15.33
1	2	97.03	9.93	102.38	15.28
2	1	97.03	9.93	102.38	15.28
2	2	96.91	9.83	102.31	15.23
2	3	96.79	9.77	102.25	15.23
2	4	96.67	9.74	102.19	15.25
2	5	96.56	9.60	102.12	15.17
2	6	96.44	9.55	102.06	15.17
2	7	96.32	9.37	102.00	15.05
2	8	96.20	9.29	101.93	15.02
2	9	96.00	9.26	101.78	15.05
2	10	95.81	9.30	101.65	15.14
3	1	95.81	9.30	101.65	15.14
3	2	95.75	9.18	101.59	15.02
3	3	95.69	9.21	101.53	15.05
3	4	95.63	9.30	101.47	15.14
3	5	95.58	9.27	101.42	15.11
3	6	95.52	9.29	101.36	15.13
3	7	95.48	9.25	101.32	15.09
3	8	95.42	9.24	101.26	15.08
3	9	95.36	9.29	101.20	15.13
3	10	95.34	9.34	101.18	15.18
3	11	95.31	9.31	101.15	15.15
4	1	95.31	9.31	101.15	15.15
4	2	95.16	9.19	101.08	15.11
4	3	95.01	9.13	101.02	15.13
4	4	94.87	8.96	100.95	15.04
4	5	94.72	8.92	100.89	15.09
4	6	94.58	8.86	100.83	15.11
4	7	94.43	8.82	100.76	15.15
4	8	94.29	8.70	100.71	15.12
4	9	94.15	8.55	100.64	15.05
4	10	94.00	8.49	100.58	15.07
4	11	93.86	8.49	100.52	15.15
4	12	93.71	8.40	100.45	15.14
4	13	93.69	8.26	100.52	15.09
4	14	93.42	8.20	100.32	15.11
4	15	93.49	8.12	100.48	15.10
4	16	93.14	8.08	100.20	15.15
4	17	92.46	8.01	99.61	15.16
5	1	91.95	7.96	99.14	15.15
5	2	92.21	8.20	99.13	15.11
5	3	92.39	8.42	99.02	15.06

5	4	92.67	8.74	99.03	15.10
6	1	92.67	8.74	99.03	15.10
6	2	93.01	9.05	99.11	15.15
7	1	97.27	10.03	102.57	15.33
7	2	97.00	9.82	102.52	15.34
7	3	97.00	9.58	102.73	15.32
7	4	96.92	9.27	102.87	15.22
8	1	96.92	9.27	102.87	15.22
8	2	96.79	9.09	102.81	15.11
8	3	96.65	9.11	102.74	15.20
8	4	96.52	9.08	102.68	15.25
8	5	96.39	8.92	102.62	15.15
8	6	96.26	8.84	102.56	15.15
8	7	96.12	8.78	102.50	15.15
8	8	96.00	8.66	102.45	15.10
8	9	95.88	8.60	102.39	15.12
8	10	95.74	8.55	102.33	15.14
8	11	95.61	8.41	102.27	15.06
8	12	95.48	8.28	102.21	15.01
8	13	95.35	8.16	102.14	14.96
8	14	95.20	8.12	102.07	14.99
8	15	95.08	8.10	102.02	15.04
8	16	95.01	7.94	102.02	14.95
8	17	95.12	7.80	102.20	14.88
9	1	95.12	7.80	102.20	14.88
9	2	94.92	7.75	102.05	14.88
9	3	94.66	7.88	101.85	15.07
9	4	94.52	7.79	101.77	15.04
9	5	94.37	7.66	101.68	14.96
9	6	93.75	7.67	101.11	15.03
9	7	93.39	7.77	100.81	15.19
10	1	93.39	7.77	100.81	15.19
10	2	94.11	8.42	100.92	15.23
11	1	94.11	8.42	100.92	15.23
11	2	94.67	8.84	101.03	15.20
11	3	95.18	9.27	101.08	15.17
12	1	93.01	9.05	99.11	15.15
12	2	92.93	8.85	99.08	15.00
12	3	92.85	8.76	99.05	14.97
12	4	92.77	8.81	99.03	15.07
12	5	92.73	8.65	99.04	14.96
12	6	92.68	8.61	99.04	14.97
13	1	92.68	8.61	99.04	14.97
13	2	92.60	8.64	99.01	15.05
13	3	92.52	8.49	98.99	14.96
13	4	92.44	8.40	98.96	14.91
13	5	92.37	8.46	98.93	15.03
13	6	92.29	8.25	98.91	14.87
13	7	92.21	8.14	98.88	14.81
14	1	92.21	8.14	98.88	14.81
14	2	92.13	8.19	98.85	14.91
14	3	92.05	8.17	98.82	14.94
14	4	91.98	8.03	98.80	14.85
14	5	91.90	8.03	98.77	14.90
14	6	91.87	7.94	98.79	14.86
14	7	91.86	7.85	98.83	14.82
15	1	91.86	7.85	98.83	14.82
15	2	91.87	7.73	98.86	14.72
16	1	91.87	7.73	98.86	14.72
16	2	91.92	7.92	98.86	14.86
16	3	91.95	7.78	98.82	14.66

16	4	91.97	7.81	98.79	14.63
16	5	91.94	7.78	98.70	14.55
16	6	91.88	8.02	98.59	14.73
17	1	91.88	8.02	98.59	14.73
17	2	91.90	8.00	98.56	14.66
17	3	91.92	8.05	98.53	14.66
17	4	91.95	8.11	98.51	14.67
17	5	91.97	8.14	98.48	14.65
17	6	92.00	8.37	98.46	14.83
17	7	92.02	8.25	98.43	14.66
18	1	92.02	8.25	98.43	14.66
18	2	92.16	8.25	98.52	14.61
18	3	92.11	8.39	98.42	14.70
18	4	92.08	8.55	98.34	14.81
18	5	92.15	8.46	98.36	14.67
18	6	92.15	8.50	98.31	14.66
19	1	92.15	8.50	98.31	14.66
19	2	92.06	8.45	98.27	14.66
20	1	92.06	8.45	98.27	14.66
20	2	91.99	8.39	98.25	14.65
20	3	92.25	8.37	98.56	14.68
20	4	91.83	8.36	98.19	14.72
20	5	91.76	8.30	98.17	14.71
20	6	91.68	8.24	98.14	14.70
20	7	91.60	8.26	98.11	14.77
21	1	91.60	8.26	98.11	14.77
21	2	91.53	8.27	98.09	14.83
21	3	91.45	8.12	98.06	14.73
21	4	91.38	8.05	98.04	14.71
21	5	91.30	8.07	98.01	14.78
21	6	91.81	7.98	98.57	14.74
21	7	91.15	7.94	97.96	14.75
22	1	91.15	7.94	97.96	14.75
22	2	91.07	7.74	97.93	14.60
22	3	91.00	7.61	97.91	14.52
22	4	90.93	7.60	97.89	14.56
22	5	90.86	7.53	97.87	14.54
22	6	90.82	7.61	97.88	14.67
22	7	92.02	7.37	99.13	14.48
23	1	92.02	7.37	99.13	14.48
23	2	91.78	7.14	98.96	14.32
24	1	91.78	7.14	98.96	14.32
24	2	90.46	7.20	97.53	14.27
25	1	90.46	7.20	97.53	14.27
25	2	90.54	7.25	97.58	14.29
25	3	90.12	7.30	97.12	14.30
25	4	90.13	7.16	97.10	14.13
25	5	90.04	7.09	96.97	14.03
25	6	89.94	7.19	96.84	14.09
26	1	89.94	7.19	96.84	14.09
26	2	90.03	7.30	96.81	14.08
26	3	90.44	7.38	97.11	14.05
26	4	90.91	7.55	97.46	14.10
27	1	91.95	7.96	99.14	15.15
27	2	93.20	9.14	99.10	15.04
28	1	93.20	9.14	99.10	15.04
28	2	93.03	8.99	99.00	14.96
28	3	92.95	8.97	98.99	15.00
28	4	92.90	8.99	99.01	15.10
28	5	92.81	8.82	98.98	14.99
28	6	92.71	8.67	98.95	14.90

28	7	92.71	8.53	99.01	14.83
28	8	92.69	8.39	99.06	14.76
29	1	92.69	8.39	99.06	14.76
29	2	92.60	8.41	99.03	14.84
29	3	92.51	8.32	99.00	14.80
29	4	92.43	8.17	98.96	14.71
29	5	92.30	7.99	98.90	14.59
29	6	92.18	8.12	98.83	14.77
30	1	92.18	8.12	98.83	14.77
30	2	92.10	8.08	98.81	14.78
30	3	92.02	7.86	98.77	14.62
30	4	91.93	7.70	98.74	14.51
30	5	91.83	7.74	98.69	14.60
31	1	91.83	7.74	98.69	14.60
31	2	91.94	7.89	98.73	14.68
32	1	91.94	7.89	98.73	14.68
32	2	91.97	7.88	98.70	14.62
32	3	91.99	7.82	98.67	14.49
32	4	92.01	7.70	98.63	14.32
32	5	92.04	7.97	98.60	14.54
32	6	92.06	8.17	98.57	14.68
33	1	92.06	8.17	98.57	14.68
33	2	92.08	8.07	98.54	14.52
33	3	92.11	8.14	98.51	14.53
33	4	92.14	8.19	98.48	14.53
33	5	92.16	8.34	98.45	14.63
33	6	92.19	8.38	98.42	14.61
34	1	92.19	8.38	98.42	14.61
34	2	92.21	8.37	98.39	14.54
34	3	92.25	8.36	98.37	14.48
34	4	92.26	8.48	98.33	14.54
34	5	92.38	8.46	98.38	14.46
34	6	92.48	8.50	98.43	14.45
35	1	92.48	8.50	98.43	14.45
35	2	92.90	8.34	98.82	14.26
35	3	93.24	8.28	99.13	14.17
36	1	95.18	9.27	101.08	15.17
36	2	94.71	8.82	101.03	15.14
37	1	94.71	8.82	101.03	15.14
37	2	94.61	8.64	100.99	15.02
38	1	94.61	8.64	100.99	15.02
38	2	94.53	8.49	100.96	14.93
38	3	94.45	8.52	100.93	15.01
38	4	94.37	8.54	100.90	15.07
38	5	94.29	8.42	100.87	15.01
38	6	94.21	8.25	100.84	14.88
38	7	94.13	8.18	100.81	14.86
38	8	94.05	8.03	100.78	14.77
38	9	94.02	8.15	100.81	14.94
38	10	93.94	8.11	100.78	14.95
39	1	93.94	8.11	100.78	14.95
39	2	93.89	7.95	100.76	14.82
40	1	93.89	7.95	100.76	14.82
40	2	93.81	7.79	100.73	14.72
40	3	93.72	7.82	100.70	14.80
40	4	93.64	7.79	100.67	14.82
40	5	93.53	7.73	100.60	14.81
40	6	93.46	7.61	100.59	14.74
40	7	93.39	7.57	100.58	14.75
40	8	93.31	7.53	100.54	14.76
40	9	93.23	7.56	100.51	14.85

40	10	93.14	7.43	100.48	14.77
40	11	92.99	7.42	100.38	14.81
40	12	92.85	7.33	100.29	14.77
41	1	92.85	7.33	100.29	14.77
41	2	92.90	7.39	100.30	14.79
41	3	92.92	7.49	100.27	14.83
41	4	92.94	7.48	100.24	14.77
41	5	93.02	7.55	100.27	14.79
41	6	93.09	7.54	100.29	14.74
42	1	93.09	7.54	100.29	14.74
42	2	93.11	7.74	100.26	14.88
42	3	93.13	7.82	100.23	14.92
42	4	93.15	7.80	100.20	14.85
42	5	93.18	7.85	100.17	14.84
42	6	93.20	7.91	100.14	14.85
42	7	93.23	8.01	100.12	14.90
42	8	93.25	8.01	100.09	14.85
43	1	93.25	8.01	100.09	14.85
43	2	93.27	8.03	100.06	14.82
43	3	93.29	8.08	100.03	14.82
43	4	93.29	8.14	99.98	14.83
43	5	93.31	8.17	99.95	14.81
43	6	93.34	8.20	99.92	14.78
43	7	93.32	8.15	99.85	14.68
43	8	93.51	8.21	99.99	14.69
44	1	93.51	8.21	99.99	14.69
44	2	93.40	8.33	99.83	14.76
44	3	93.37	8.32	99.75	14.70
44	4	93.39	8.30	99.72	14.63
44	5	93.41	8.35	99.69	14.63
44	6	93.65	8.34	99.88	14.57
44	7	93.82	8.43	100.00	14.61
45	1	93.82	8.43	100.00	14.61
45	2	94.62	8.40	100.74	14.52
45	3	95.20	8.44	101.26	14.50
46	1	77.04	6.99	84.95	14.90
46	2	77.09	7.02	84.95	14.88
46	3	77.00	7.07	84.80	14.87
46	4	76.90	7.02	84.65	14.77
46	5	76.83	7.09	84.52	14.79
46	6	76.73	7.27	84.37	14.91
46	7	77.12	7.34	84.71	14.93
46	8	77.01	7.44	84.54	14.98
46	9	76.44	7.45	83.92	14.93
46	10	76.35	7.52	83.78	14.95
46	11	76.24	7.50	83.62	14.87
46	12	76.16	7.44	83.49	14.77
46	13	76.06	7.36	83.33	14.63
47	1	77.71	7.34	85.44	15.07
47	2	77.86	7.07	85.65	14.86
47	3	77.28	7.15	85.13	15.00
47	4	77.04	6.99	84.95	14.90
48	1	77.74	7.54	85.43	15.23
48	2	77.71	7.34	85.44	15.07
49	1	78.63	8.56	85.28	15.21
49	2	78.56	8.46	85.26	15.16
49	3	78.47	8.40	85.23	15.15
49	4	78.40	8.34	85.20	15.14
49	5	78.32	8.23	85.18	15.08
49	6	78.24	8.22	85.15	15.13
49	7	78.16	8.21	85.12	15.17

49	8	78.08	8.11	85.10	15.12
49	9	78.01	8.05	85.07	15.11
49	10	77.93	8.14	85.04	15.26
49	11	77.86	8.05	85.03	15.22
49	12	77.78	7.86	85.01	15.08
49	13	77.86	7.86	85.13	15.14
49	14	77.74	7.80	85.07	15.13
49	15	77.54	7.69	84.92	15.07
49	16	77.46	7.80	84.89	15.23
49	17	77.41	7.74	84.89	15.22
49	18	77.33	7.63	84.87	15.16
49	19	77.25	7.59	84.84	15.17
49	20	77.55	7.57	85.18	15.21
49	21	77.74	7.54	85.43	15.23
50	1	79.64	9.27	85.64	15.27
50	2	79.56	9.23	85.61	15.28
50	3	79.47	9.20	85.58	15.31
50	4	79.40	9.10	85.56	15.27
50	5	79.32	9.04	85.53	15.26
50	6	79.24	8.94	85.51	15.21
50	7	79.16	8.82	85.48	15.15
50	8	79.08	8.88	85.46	15.26
50	9	78.99	8.88	85.43	15.32
50	10	78.91	8.80	85.40	15.28
50	11	78.84	8.70	85.38	15.24
50	12	78.74	8.62	85.34	15.22
50	13	78.63	8.56	85.28	15.21
51	1	79.64	9.27	85.64	15.27
51	2	79.34	9.11	85.55	15.32
51	3	79.03	8.84	85.45	15.25
51	4	78.74	8.64	85.36	15.27
51	5	78.39	8.38	85.22	15.21
51	6	78.05	8.13	85.09	15.17
52	1	78.05	8.13	85.09	15.17
52	2	78.11	8.32	85.09	15.30
52	3	78.07	8.35	85.00	15.28
52	4	78.02	8.30	84.91	15.18
52	5	77.98	8.42	84.81	15.25
52	6	77.94	8.48	84.72	15.25
52	7	77.89	8.56	84.62	15.29
52	8	77.85	8.51	84.52	15.18
53	1	77.85	8.51	84.52	15.18
53	2	77.80	8.53	84.41	15.15
53	3	77.74	8.62	84.31	15.19
53	4	77.69	8.71	84.21	15.22
53	5	77.65	8.69	84.11	15.15
53	6	77.61	8.72	84.02	15.13
53	7	77.54	8.76	83.90	15.12
53	8	77.49	8.85	83.80	15.15
53	9	77.45	8.92	83.70	15.18
53	10	77.41	8.97	83.61	15.17
53	11	77.31	8.97	83.46	15.12
53	12	77.22	9.06	83.32	15.16
54	1	77.22	9.06	83.32	15.16
54	2	77.15	8.94	83.20	15.00
54	3	77.07	8.93	83.08	14.94
54	4	77.06	8.87	83.03	14.84
54	5	77.04	9.00	82.96	14.92
55	1	77.04	9.00	82.96	14.92
55	2	76.71	8.89	82.81	14.99
55	3	76.38	8.64	82.66	14.92

55	4	76.39	8.33	82.85	14.79
55	5	75.74	8.16	82.38	14.80
55	6	75.77	7.97	82.60	14.79
55	7	75.46	7.80	82.46	14.80
55	8	74.76	7.48	81.94	14.66
55	9	74.44	7.29	81.80	14.65
55	10	74.11	7.03	81.66	14.57
55	11	73.78	6.96	81.50	14.68
56	1	77.22	9.06	83.32	15.16
56	2	77.04	8.76	83.19	14.91
56	3	76.85	8.52	83.05	14.72
56	4	76.68	8.58	82.93	14.83
56	5	76.83	8.55	83.13	14.85
56	6	76.98	8.59	83.33	14.94
56	7	76.23	8.50	82.63	14.90
56	8	75.97	8.26	82.42	14.71
57	1	75.97	8.26	82.42	14.71
57	2	75.73	8.17	82.23	14.67
57	3	75.57	8.40	82.13	14.96
58	1	75.57	8.40	82.13	14.96
58	2	75.55	8.33	82.05	14.83
58	3	75.89	8.27	82.33	14.71
58	4	75.64	8.41	82.02	14.78
58	5	75.60	8.51	81.91	14.82
58	6	75.39	8.66	81.65	14.91
58	7	75.17	8.66	81.36	14.85
59	1	75.17	8.66	81.36	14.85
59	2	75.07	8.73	81.20	14.86
59	3	74.98	8.72	81.05	14.79
59	4	75.06	8.75	81.07	14.76
59	5	74.97	8.84	80.92	14.79
60	1	97.27	10.03	102.57	15.33
60	2	96.77	9.68	102.33	15.24
60	3	96.27	9.42	102.10	15.25
60	4	95.66	9.23	101.75	15.31
60	5	95.15	8.90	101.50	15.25
61	1	95.15	8.90	101.50	15.25
61	2	94.70	8.77	101.11	15.17
61	3	94.44	8.81	100.90	15.27
61	4	94.19	8.85	100.69	15.36
61	5	93.93	8.70	100.49	15.26
61	6	93.67	8.70	100.28	15.31
61	7	93.41	8.66	100.08	15.33
61	8	93.15	8.63	99.87	15.35
61	9	92.92	8.56	99.69	15.33
61	10	92.65	8.56	99.47	15.39
61	11	92.41	8.46	99.28	15.34
61	12	92.14	8.34	99.07	15.27
62	1	92.14	8.34	99.07	15.27
62	2	92.20	8.38	99.07	15.26
62	3	92.03	8.50	98.85	15.32
62	4	91.87	8.50	98.63	15.27
62	5	91.70	8.64	98.41	15.35
62	6	91.54	8.57	98.19	15.23
62	7	91.37	8.49	97.97	15.08
62	8	91.20	8.57	97.74	15.11
62	9	91.04	8.81	97.52	15.29
62	10	90.87	8.88	97.30	15.31
62	11	90.71	8.88	97.08	15.25
62	12	90.54	8.90	96.86	15.22
62	13	90.37	8.98	96.64	15.25

62	14	90.21	9.01	96.42	15.22
62	15	90.02	9.05	96.18	15.20
62	16	89.79	9.08	95.89	15.18
63	1	89.79	9.08	95.89	15.18
63	2	89.85	9.20	95.86	15.21
64	1	89.85	9.20	95.86	15.21
64	2	89.69	9.28	95.65	15.24
64	3	89.53	9.28	95.45	15.19
64	4	89.37	9.44	95.24	15.31
64	5	89.22	9.40	95.03	15.22
64	6	89.06	9.48	94.83	15.25
64	7	88.93	9.51	94.65	15.22
64	8	88.82	9.62	94.49	15.29
65	1	88.82	9.62	94.49	15.29
65	2	88.61	9.58	94.28	15.26
65	3	88.39	9.63	94.07	15.32
65	4	88.16	9.62	93.86	15.31
65	5	87.94	9.57	93.64	15.27
65	6	87.71	9.55	93.42	15.26
65	7	87.49	9.67	93.20	15.39
65	8	87.26	9.64	92.99	15.36
65	9	87.04	9.61	92.77	15.34
65	10	86.82	9.55	92.55	15.29
65	11	86.59	9.59	92.34	15.33
65	12	86.37	9.63	92.12	15.38
65	13	86.16	9.61	91.92	15.37
65	14	85.91	9.60	91.67	15.36
65	15	85.71	9.60	91.49	15.37
65	16	85.46	9.59	91.24	15.37
65	17	85.24	9.54	91.03	15.33
65	18	85.02	9.48	90.81	15.28
65	19	84.80	9.48	90.60	15.28
65	20	84.54	9.56	90.35	15.36
65	21	84.33	9.56	90.14	15.37
65	22	84.11	9.48	89.93	15.30
65	23	83.89	9.52	89.72	15.35
65	24	83.67	9.48	89.50	15.32
65	25	83.44	9.50	89.28	15.35
65	26	83.23	9.47	89.08	15.32
65	27	83.01	9.46	88.87	15.32
65	28	82.76	9.52	88.63	15.39
65	29	82.54	9.51	88.41	15.38
65	30	82.32	9.41	88.21	15.29
65	31	82.08	9.34	87.97	15.23
66	1	82.08	9.34	87.97	15.23
66	2	79.17	6.09	88.25	15.17
67	1	79.17	6.09	88.25	15.17
67	2	81.44	8.41	88.35	15.32
68	1	81.44	8.41	88.35	15.32
68	2	81.06	8.63	87.79	15.36
68	3	81.13	8.66	87.68	15.21
68	4	80.91	8.82	87.27	15.18
68	5	80.18	9.07	86.36	15.25
68	6	79.64	9.27	85.64	15.27
69	1	93.24	8.28	99.13	14.17
69	2	92.95	8.35	98.95	14.35
69	3	92.66	8.21	98.78	14.33
69	4	92.37	8.01	98.60	14.24
69	5	92.06	7.76	98.41	14.11
69	6	91.75	7.73	98.21	14.19
70	1	91.75	7.73	98.21	14.19

70	2	91.46	7.64	98.04	14.23
70	3	91.16	7.39	97.87	14.10
70	4	90.87	7.26	97.70	14.09
70	5	90.55	6.94	97.51	13.89
70	6	90.15	7.03	97.23	14.11
71	1	90.15	7.03	97.23	14.11
71	2	90.03	6.82	97.17	13.96
72	1	90.03	6.82	97.17	13.96
72	2	90.08	6.86	97.17	13.95
72	3	89.97	6.93	97.01	13.97
72	4	89.87	6.76	96.86	13.75
72	5	89.86	6.59	96.80	13.53
72	6	89.83	6.70	96.72	13.59
73	1	89.83	6.70	96.72	13.59
73	2	89.71	6.89	96.55	13.72
73	3	89.60	6.82	96.38	13.59
73	4	89.58	6.85	96.30	13.57
73	5	89.28	6.91	95.94	13.58
73	6	89.09	6.98	95.70	13.59
74	1	89.09	6.98	95.70	13.59
74	2	88.99	7.06	95.55	13.62
74	3	88.89	7.23	95.40	13.74
74	4	88.92	7.19	95.38	13.65
74	5	88.93	7.18	95.34	13.59
75	1	88.93	7.18	95.34	13.59
75	2	88.81	7.37	95.16	13.72
75	3	88.61	7.39	94.91	13.69
75	4	88.43	7.48	94.67	13.72
76	1	88.43	7.48	94.67	13.72
76	2	88.26	7.44	94.55	13.74
76	3	88.08	7.37	94.43	13.72
77	1	88.08	7.37	94.43	13.72
77	2	87.85	7.24	94.26	13.65
77	3	87.63	7.19	94.09	13.65
77	4	87.41	7.06	93.92	13.57
77	5	87.76	7.04	94.34	13.61
77	6	87.41	6.92	94.04	13.55
78	1	87.41	6.92	94.04	13.55
78	2	86.71	6.78	93.40	13.46
78	3	86.46	6.63	93.20	13.37
78	4	86.22	6.51	93.02	13.31
78	5	85.94	6.61	92.80	13.46
78	6	85.74	6.50	92.65	13.41
85	1	90.91	7.55	97.46	14.10
85	2	90.71	7.35	97.32	13.96
85	3	90.51	7.09	97.18	13.76
85	4	90.38	6.92	97.12	13.66
85	5	90.26	6.90	97.06	13.70
86	1	90.26	6.90	97.06	13.70
86	2	90.03	6.59	96.90	13.46
86	3	89.80	6.56	96.75	13.50
86	4	89.54	6.49	96.55	13.51
86	5	89.29	6.18	96.38	13.27
87	1	89.29	6.18	96.38	13.27
87	2	89.70	6.63	96.42	13.35
88	1	89.70	6.63	96.42	13.35
88	2	89.56	6.58	96.27	13.29
88	3	89.41	6.56	96.12	13.27
88	4	89.26	6.47	95.96	13.17
88	5	89.12	6.65	95.81	13.34
88	6	88.96	6.42	95.65	13.10

88	7	88.81	6.30	95.49	12.98
89	1	88.81	6.30	95.49	12.98
89	2	88.72	6.45	95.35	13.07
89	3	88.64	6.56	95.21	13.13
89	4	88.54	6.34	95.05	12.86
89	5	88.42	6.49	94.87	12.94
89	6	88.29	6.63	94.69	13.03
90	1	88.29	6.63	94.69	13.03
90	2	88.38	6.61	94.71	12.94
91	1	88.38	6.61	94.71	12.94
91	2	88.18	6.50	94.56	12.89
91	3	87.97	6.35	94.41	12.79
91	4	87.77	6.34	94.26	12.83
91	5	87.56	6.16	94.11	12.71
92	1	87.56	6.16	94.11	12.71
92	2	87.35	5.93	93.95	12.54
92	3	87.16	6.00	93.82	12.66
92	4	86.97	5.93	93.68	12.63
92	5	86.77	5.87	93.53	12.63
92	6	86.57	5.76	93.39	12.57
92	7	86.38	5.58	93.24	12.45
92	8	86.18	5.44	93.10	12.36
92	9	86.26	5.43	93.23	12.41
92	10	85.78	5.24	92.81	12.27
92	11	85.59	5.02	92.67	12.10
93	1	85.59	5.02	92.67	12.10
93	2	85.38	5.09	92.51	12.22
93	3	85.18	4.98	92.36	12.16
93	4	84.97	4.68	92.21	11.92
93	5	84.76	4.71	92.05	12.00
93	6	85.17	4.84	92.50	12.17
93	7	84.94	4.83	92.33	12.22
93	8	84.15	4.64	91.59	12.08
93	9	83.95	4.65	91.44	12.14
93	10	83.74	4.56	91.29	12.10
93	11	83.54	4.48	91.14	12.08
94	1	97.27	10.03	102.57	15.33
94	2	96.98	9.79	102.42	15.22
94	3	96.69	9.61	102.26	15.18
94	4	96.40	9.49	102.10	15.20
94	5	96.11	9.25	101.95	15.09
94	6	95.82	9.02	101.79	15.00
94	7	95.47	8.91	101.58	15.02
94	8	95.12	8.87	101.37	15.11
94	9	94.80	8.63	101.18	15.01
95	1	94.80	8.63	101.18	15.01
95	2	94.60	8.56	101.03	14.99
95	3	94.41	8.53	100.89	15.01
95	4	94.22	8.45	100.75	14.99
95	5	94.03	8.36	100.61	14.95
95	6	93.83	8.29	100.47	14.92
95	7	93.64	8.19	100.33	14.88
95	8	93.45	8.11	100.18	14.84
95	9	93.25	8.05	100.04	14.84
95	10	93.09	7.95	99.92	14.79
95	11	92.89	7.81	99.78	14.70
96	1	92.89	7.81	99.78	14.70
96	2	92.94	7.88	99.78	14.72
96	3	92.85	8.09	99.63	14.88
96	4	92.75	8.07	99.48	14.80
96	5	92.65	8.03	99.33	14.72

96	6	92.61	8.09	99.24	14.72
96	7	92.40	8.43	98.98	15.01
96	8	92.31	8.47	98.84	15.00
96	9	92.21	8.46	98.69	14.93
96	10	92.12	8.42	98.55	14.85
96	11	92.03	8.54	98.40	14.92
96	12	91.94	8.66	98.26	14.98
96	13	91.85	8.71	98.12	14.98
96	14	91.76	8.78	97.97	15.00
96	15	91.66	8.84	97.83	15.01
96	16	91.57	8.77	97.69	14.89
96	17	91.47	8.83	97.54	14.89
96	18	91.40	8.96	97.41	14.97
96	19	91.31	8.94	97.27	14.90
97	1	91.31	8.94	97.27	14.90
97	2	89.51	7.07	97.27	14.83
98	1	89.51	7.07	97.27	14.83
98	2	91.28	8.85	97.28	14.85
99	1	91.28	8.85	97.28	14.85
99	2	91.27	8.86	97.30	14.89
100	1	91.27	8.86	97.30	14.89
100	2	91.06	8.71	97.15	14.80
100	3	90.86	8.67	96.99	14.81
100	4	90.65	8.62	96.84	14.81
100	5	90.44	8.51	96.69	14.76
100	6	90.23	8.53	96.53	14.83
100	7	90.08	8.45	96.43	14.81
100	8	89.77	8.32	96.18	14.73
100	9	89.57	8.40	96.03	14.86
100	10	89.37	8.34	95.89	14.85
100	11	89.18	8.18	95.75	14.75
100	12	88.98	8.10	95.61	14.73
100	13	88.78	8.06	95.46	14.74
100	14	88.49	8.03	95.23	14.76
100	15	88.25	7.90	95.04	14.69
101	1	88.25	7.90	95.04	14.69
101	2	88.30	7.93	95.04	14.67
101	3	88.20	7.98	94.88	14.66
101	4	88.10	8.07	94.73	14.70
101	5	87.99	8.13	94.57	14.71
101	6	87.89	8.11	94.42	14.64
101	7	87.83	8.01	94.30	14.48
101	8	87.73	8.14	94.15	14.56
101	9	87.64	8.09	94.00	14.46
101	10	87.54	8.32	93.86	14.64
101	11	87.64	8.28	93.91	14.55
101	12	87.35	8.27	93.56	14.48
101	13	87.26	8.26	93.42	14.42
101	14	87.16	8.38	93.27	14.48
101	15	87.07	8.43	93.12	14.49
101	16	86.97	8.48	92.97	14.48
101	17	86.88	8.43	92.83	14.38
101	18	86.78	8.48	92.68	14.38
101	19	86.79	8.59	92.63	14.44
101	20	86.52	8.50	92.31	14.29
102	1	86.52	8.50	92.31	14.29
102	2	86.33	8.49	92.16	14.33
102	3	86.14	8.45	92.02	14.33
102	4	86.00	8.43	91.93	14.36
102	5	85.84	8.23	91.82	14.21
103	1	85.84	8.23	91.82	14.21

103	2	85.64	8.19	91.67	14.23
103	3	85.43	8.19	91.52	14.27
103	4	85.31	8.16	91.45	14.30
103	5	85.02	8.14	91.22	14.34
103	6	84.85	8.14	91.10	14.38
103	7	84.65	8.07	90.95	14.37
103	8	84.45	7.99	90.80	14.35
103	9	84.24	8.08	90.65	14.49
103	10	84.04	8.02	90.51	14.49
103	11	83.84	7.81	90.36	14.32
103	12	84.17	7.78	90.74	14.35
103	13	83.44	7.72	90.06	14.35
103	14	83.23	7.86	89.91	14.54
103	15	83.03	7.61	89.76	14.35
103	16	82.83	7.58	89.61	14.37
103	17	82.62	7.49	89.46	14.33
103	18	82.42	7.34	89.31	14.24
103	19	82.48	7.40	89.43	14.35
103	20	82.01	7.31	89.01	14.32
103	21	81.80	7.16	88.85	14.21
103	22	81.57	6.96	88.68	14.07
104	1	81.57	6.96	88.68	14.07
104	2	81.65	7.18	88.71	14.24
104	3	81.55	7.18	88.56	14.19
104	4	81.45	7.14	88.40	14.09
104	5	81.35	7.11	88.25	14.01
104	6	81.83	7.15	88.68	13.99
104	7	81.75	7.27	88.55	14.06
104	8	81.05	7.31	87.80	14.05
104	9	80.96	7.37	87.64	14.06
104	10	80.86	7.39	87.49	14.02
104	11	80.77	7.49	87.35	14.08
104	12	80.67	7.57	87.20	14.10
105	1	95.20	8.44	101.26	14.50
105	2	94.97	8.25	101.09	14.37
105	3	94.45	8.24	100.63	14.42
105	4	94.01	8.07	100.25	14.31
106	1	94.01	8.07	100.25	14.31
106	2	93.80	8.07	100.09	14.36
106	3	93.60	8.11	99.94	14.45
106	4	93.40	8.20	99.79	14.59
106	5	93.21	8.00	99.65	14.44
106	6	92.99	7.93	99.48	14.42
106	7	92.78	7.93	99.32	14.47
107	1	92.78	7.93	99.32	14.47
107	2	92.60	7.96	99.19	14.55
107	3	92.41	7.82	99.05	14.46
107	4	92.21	7.84	98.90	14.53
107	5	92.27	7.73	99.01	14.47
107	6	91.89	7.68	98.68	14.47
107	7	91.70	7.53	98.54	14.37
108	1	91.70	7.53	98.54	14.37
108	2	91.62	7.37	98.50	14.25
109	1	91.62	7.37	98.50	14.25
109	2	91.67	7.47	98.50	14.30
109	3	91.57	7.60	98.35	14.38
109	4	91.47	7.65	98.20	14.38
109	5	91.33	7.54	98.00	14.21
109	6	91.94	7.58	98.56	14.20
110	1	91.94	7.58	98.56	14.20
110	2	91.10	7.75	97.67	14.32

110	3	91.00	7.86	97.52	14.38
110	4	90.91	7.67	97.38	14.14
110	5	90.81	7.59	97.23	14.01
110	6	90.85	7.73	97.22	14.10
110	7	90.85	8.01	97.17	14.33
111	1	90.85	8.01	97.17	14.33
111	2	90.74	7.93	97.00	14.19
111	3	91.25	7.85	97.46	14.06
111	4	90.52	7.92	96.68	14.08
111	5	90.38	8.14	96.47	14.23
111	6	90.24	8.22	96.28	14.26
112	1	90.24	8.22	96.28	14.26
112	2	90.03	8.00	96.13	14.09
112	3	89.82	7.84	95.97	13.99
112	4	89.61	7.92	95.81	14.12
112	5	89.43	7.93	95.69	14.19
112	6	90.03	7.89	96.34	14.20
112	7	88.82	7.73	95.19	14.10
113	1	88.82	7.73	95.19	14.10
113	2	88.62	7.69	95.04	14.11
113	3	88.43	7.64	94.90	14.11
113	4	88.23	7.54	94.75	14.06
113	5	88.04	7.50	94.61	14.07
113	6	87.85	7.30	94.47	13.92
113	7	88.06	7.27	94.73	13.94
114	1	88.06	7.27	94.73	13.94
114	2	87.48	7.16	94.20	13.88
114	3	87.28	7.08	94.05	13.85
114	4	87.09	6.98	93.91	13.80
114	5	86.90	7.00	93.77	13.87
114	6	86.70	7.06	93.62	13.98
114	7	86.57	6.90	93.54	13.87
114	8	86.41	6.78	93.43	13.80
115	1	86.41	6.78	93.43	13.80
115	2	87.18	6.71	94.25	13.78
115	3	87.04	6.68	94.16	13.80
115	4	86.34	6.79	93.51	13.96
115	5	85.54	6.45	92.76	13.67
115	6	85.32	6.43	92.59	13.70
115	7	85.11	6.48	92.43	13.80
116	1	93.39	7.77	100.81	15.19
116	2	93.74	8.32	100.50	15.08
116	3	94.12	8.85	100.21	14.94
117	1	94.12	8.85	100.21	14.94
117	2	93.93	8.88	100.06	15.01
117	3	93.75	8.78	99.92	14.95
117	4	93.56	8.87	99.77	15.08
117	5	93.37	8.77	99.62	15.02
117	6	93.18	8.75	99.47	15.04
117	7	92.99	8.68	99.32	15.01
117	8	92.81	8.61	99.18	14.98
117	9	92.62	8.51	99.03	14.92
117	10	92.40	8.27	98.85	14.72
117	11	92.39	8.27	98.88	14.76
117	12	92.30	8.37	98.83	14.90
118	1	92.30	8.37	98.83	14.90
118	2	92.36	8.27	98.83	14.74
118	3	92.11	8.09	98.52	14.50
118	4	91.90	8.27	98.25	14.62
119	1	91.90	8.27	98.25	14.62
119	2	91.80	8.41	98.10	14.70

119	3	91.70	8.30	97.95	14.54
119	4	91.61	8.24	97.80	14.43
119	5	91.51	8.24	97.65	14.38
119	6	91.39	8.50	97.48	14.59
120	1	91.39	8.50	97.48	14.59
120	2	91.09	8.32	97.33	14.56
120	3	90.80	8.20	97.18	14.59
120	4	90.50	8.08	97.04	14.61
120	5	90.29	7.82	96.97	14.50
120	6	90.06	7.77	96.89	14.60
121	1	90.06	7.77	96.89	14.60
121	2	90.21	8.01	96.73	14.53
121	3	90.35	8.28	96.56	14.49
121	4	90.42	8.63	96.32	14.53
121	5	90.50	9.05	96.10	14.65
122	1	90.50	9.05	96.10	14.65
122	2	90.63	8.97	96.09	14.43
123	1	90.63	8.97	96.09	14.43
123	2	90.39	8.74	95.94	14.29
123	3	90.35	8.85	95.98	14.49
123	4	89.92	8.74	95.64	14.46
123	5	89.68	8.53	95.50	14.34
123	6	89.45	8.43	95.35	14.33
124	1	89.45	8.43	95.35	14.33
124	2	89.25	8.30	95.20	14.25
124	3	89.05	8.23	95.05	14.24
124	4	88.85	8.17	94.91	14.23
124	5	88.68	8.12	94.78	14.23
124	6	88.91	7.95	95.07	14.11
125	1	88.91	7.95	95.07	14.11
125	2	88.26	7.84	94.47	14.05
125	3	88.06	7.86	94.32	14.12
125	4	87.85	7.82	94.17	14.14
125	5	87.66	7.61	94.02	13.97
125	6	87.46	7.54	93.88	13.96
126	1	87.46	7.54	93.88	13.96
126	2	87.26	7.48	93.73	13.96
126	3	87.07	7.49	93.60	14.02
126	4	87.27	7.31	93.85	13.89
126	5	87.02	7.26	93.65	13.89
126	6	86.99	7.15	93.67	13.83
127	1	86.99	7.15	93.67	13.83
127	2	86.41	7.14	93.17	13.89
127	3	85.88	7.07	92.71	13.90
128	1	85.88	7.07	92.71	13.90
128	2	85.90	7.27	92.67	14.04
128	3	85.77	7.24	92.48	13.95
129	1	85.77	7.24	92.48	13.95
129	2	86.02	7.33	92.68	13.98
129	3	85.59	7.42	92.20	14.03
129	4	85.50	7.43	92.05	13.99
129	5	85.41	7.27	91.91	13.77
129	6	85.32	7.43	91.77	13.88
130	1	85.32	7.43	91.77	13.88
130	2	85.22	7.54	91.62	13.94
130	3	85.13	7.40	91.48	13.75
130	4	85.05	7.41	91.35	13.70
130	5	85.48	7.44	91.72	13.68
130	6	85.41	7.66	91.60	13.85
131	1	85.41	7.66	91.60	13.85
131	2	84.76	7.69	90.90	13.83

131	3	84.67	7.57	90.76	13.66
131	4	84.58	7.62	90.61	13.65
131	5	84.52	7.65	90.50	13.63
131	6	84.43	7.78	90.36	13.71
201	1	51.21	-10.13	59.81	-1.53
201	2	89.21	-46.02	98.16	-37.07
202	1	51.21	-10.13	59.81	-1.53
202	2	89.21	-52.37	98.16	-43.42
203	1	51.21	-10.13	59.81	-1.53
203	2	89.21	-52.33	98.16	-43.38
204	1	155.16	-6.40	164.11	2.55
204	2	119.79	3.42	130.79	14.42
205	1	154.21	5.51	163.16	14.46
205	2	124.13	3.75	135.13	14.75
206	1	160.09	4.67	169.04	13.62
206	2	104.09	4.13	115.09	15.13
207	1	119.79	3.42	130.79	14.42
207	2	124.13	3.75	135.13	14.75
208	1	124.13	3.75	135.13	14.75
208	2	104.09	4.13	115.09	15.13
209	1	104.09	4.13	115.09	15.13
209	2	98.60	3.96	109.60	14.96
210	1	98.60	3.96	109.60	14.96
210	2	98.99	7.35	106.69	15.05
211	1	98.99	7.35	106.69	15.05
211	2	97.27	10.03	102.57	15.33
212	1	177.45	-3.11	186.40	5.84
212	2	155.16	-6.40	164.11	2.55
213	1	177.42	-10.13	186.37	-1.18
213	2	154.21	5.51	163.16	14.46
214	1	177.32	4.28	186.27	13.23
214	2	160.09	4.67	169.04	13.62
215	1	83.48	4.61	91.10	12.23
215	2	84.10	4.36	91.72	11.98
216	1	84.06	4.36	91.68	11.98
216	2	82.90	2.40	92.40	11.90
217	1	80.63	7.57	87.16	14.10
217	2	81.61	7.43	88.14	13.96
218	1	81.57	7.43	88.10	13.96
218	2	79.55	4.63	88.80	13.88
219	1	85.05	6.59	92.39	13.93
219	2	86.53	6.38	93.87	13.72
220	1	86.49	6.38	93.83	13.72
220	2	85.57	4.36	94.87	13.66
221	1	76.02	7.36	83.29	14.63
221	2	76.85	7.35	84.12	14.62
222	1	76.81	7.35	84.08	14.62
222	2	74.98	4.82	84.68	14.52
223	1	73.67	6.93	81.47	14.73
223	2	74.28	6.85	82.08	14.65
224	1	74.24	6.85	82.04	14.65
224	2	72.81	4.89	82.48	14.56
225	1	74.92	8.84	80.87	14.79
225	2	75.49	8.81	81.44	14.76
226	1	75.45	8.81	81.40	14.76
226	2	74.83	7.44	81.98	14.59
227	1	85.69	6.50	92.60	13.41
227	2	86.74	6.51	93.65	13.42
228	1	86.69	6.51	93.60	13.42
228	2	86.00	4.82	94.43	13.25
229	1	84.39	7.78	90.32	13.71

229	2	85.34	7.65	91.27	13.58
230	1	85.30	7.65	91.23	13.58
230	2	83.61	5.18	91.96	13.53
231	1	0.00	-0.62	8.60	7.98
231	2	51.21	-10.13	59.81	-1.53
232	1	83.54	4.48	91.14	12.08
232	2	83.52	4.61	91.14	12.23
233	1	85.11	6.48	92.43	13.80
233	2	85.10	6.59	92.44	13.93
234	1	92.46	8.01	99.61	15.16
234	2	91.95	7.96	99.14	15.15
235	1	73.78	6.96	81.50	14.68
235	2	73.71	6.93	81.51	14.73

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_1\Relazione\L1_D.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 1 - Portata massima 200 l/s
 Filename = L1_D.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_1\Relazione\L1_D.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 17: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 103: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 104: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 105: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 106: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 107: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)

Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 108: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 109: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 113: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 114: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 115: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 116: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 117: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 118: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 119: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1

```
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 120: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 408: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

 PUMP at Node 601: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 602: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 603: Pump Performance Data
 ===================================-
 Not available for other pump options

AIRV at Node 820: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
```

Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 821: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 822: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 823: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

2. Comizio irriguo n.2

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_2\Relazione\L2-B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 2 - Portata massima 250 l/s
 Filename = L2-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_2\Relazione\L2-B.lis
****

 RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
 ==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	92.56	12.73	97.96	18.13
1	2	92.37	12.54	97.97	18.14
2	1	92.56	12.73	97.96	18.13
2	2	92.33	12.62	97.78	18.07
2	3	92.08	12.53	97.58	18.03
2	4	91.84	12.50	97.39	18.05
2	5	91.59	12.52	97.19	18.12
3	1	91.59	12.52	97.19	18.12
3	2	91.36	12.42	97.01	18.07
3	3	91.12	12.33	96.81	18.03
3	4	90.88	12.29	96.62	18.04
3	5	90.63	12.30	96.43	18.09
3	6	90.39	12.25	96.24	18.10
3	7	90.17	12.15	96.06	18.05
3	8	89.92	12.09	95.87	18.03
3	9	89.70	12.08	95.69	18.07
4	1	89.70	12.08	95.69	18.07
4	2	89.44	12.06	95.48	18.10
4	3	89.21	11.96	95.30	18.04
4	4	88.97	11.88	95.11	18.01
4	5	88.74	11.86	94.93	18.04
4	6	88.50	11.87	94.73	18.10
4	7	88.25	11.77	94.53	18.05
4	8	88.03	11.68	94.36	18.01
4	9	87.80	11.66	94.18	18.04
5	1	87.80	11.66	94.18	18.04
5	2	87.57	11.67	94.00	18.10
5	3	87.34	11.61	93.82	18.09
5	4	87.08	11.52	93.61	18.05
5	5	86.80	11.47	93.38	18.05
5	6	86.55	11.45	93.18	18.08
5	7	86.30	11.43	92.98	18.11
5	8	86.05	11.33	92.78	18.06
5	9	85.79	11.25	92.57	18.03
6	1	85.79	11.25	92.57	18.03
6	2	85.62	11.17	92.46	18.01
6	3	85.47	11.18	92.36	18.07
7	1	85.47	11.18	92.36	18.07
7	2	85.53	11.29	92.37	18.12
7	3	85.51	11.29	92.29	18.07
7	4	85.48	11.31	92.21	18.04
7	5	85.44	11.39	92.11	18.07
7	6	85.40	11.50	92.02	18.12

8	1	85.40	11.50	92.02	18.12
8	2	85.36	11.51	91.93	18.08
8	3	85.32	11.52	91.84	18.04
8	4	85.27	11.56	91.75	18.03
8	5	85.23	11.64	91.66	18.06
8	6	85.19	11.70	91.57	18.08
8	7	85.16	11.68	91.49	18.01
8	8	85.15	11.70	91.43	17.98
8	9	85.12	11.78	91.35	18.01
9	1	85.12	11.78	91.35	18.01
9	2	85.08	11.87	91.26	18.05
9	3	85.06	11.86	91.18	17.99
9	4	85.04	11.87	91.12	17.94
9	5	85.01	11.96	91.03	17.99
9	6	84.98	12.08	90.95	18.05
9	7	84.95	12.10	90.87	18.02
10	1	84.95	12.10	90.87	18.02
10	2	84.87	11.97	90.88	17.98
11	1	84.87	11.97	90.88	17.98
11	2	84.74	11.94	90.80	18.00
11	3	84.62	11.94	90.73	18.05
11	4	84.49	11.88	90.65	18.04
11	5	84.37	11.77	90.58	17.98
11	6	84.23	11.72	90.49	17.97
11	7	84.11	11.71	90.41	18.01
11	8	83.99	11.70	90.34	18.05
11	9	83.86	11.60	90.26	18.00
12	1	83.86	11.60	90.26	18.00
12	2	83.20	11.47	89.66	17.93
12	3	82.56	11.44	89.07	17.95
12	4	81.91	11.47	88.48	18.03
12	5	81.27	11.47	87.90	18.09
12	6	80.62	11.33	87.30	18.01
12	7	79.96	11.26	86.70	17.99
12	8	79.32	11.26	86.11	18.05
13	1	92.56	12.73	97.96	18.13
13	2	92.40	12.68	97.85	18.13
13	3	92.23	12.62	97.74	18.13
13	4	92.07	12.55	97.63	18.12
13	5	91.91	12.48	97.53	18.10
14	1	91.91	12.48	97.53	18.10
14	2	91.76	12.40	97.43	18.06
14	3	91.62	12.34	97.33	18.06
14	4	91.47	12.30	97.24	18.06
14	5	91.32	12.24	97.13	18.05
14	6	91.17	12.19	97.03	18.05
14	7	91.03	12.14	96.94	18.06
14	8	90.88	12.12	96.84	18.08
14	9	90.74	12.07	96.75	18.08
15	1	90.74	12.07	96.75	18.08
15	2	90.59	12.03	96.65	18.09
15	3	90.43	12.00	96.54	18.11
15	4	90.29	11.98	96.45	18.13
15	5	90.14	11.92	96.35	18.13
15	6	90.00	11.86	96.25	18.11
15	7	89.86	11.79	96.16	18.09
15	8	89.70	11.72	96.06	18.07
15	9	89.55	11.68	95.95	18.08
16	1	89.55	11.68	95.95	18.08
16	2	89.39	11.60	95.85	18.06
16	3	89.23	11.54	95.74	18.05

16	4	89.06	11.49	95.63	18.06
16	5	88.89	11.45	95.51	18.07
17	1	88.89	11.45	95.51	18.07
17	2	88.93	11.50	95.50	18.07
17	3	88.88	11.54	95.41	18.07
17	4	88.84	11.60	95.32	18.09
17	5	88.79	11.68	95.23	18.12
18	1	88.79	11.68	95.23	18.12
18	2	88.74	11.75	95.13	18.14
18	3	88.67	11.81	95.01	18.15
18	4	88.62	11.85	94.91	18.15
18	5	88.57	11.90	94.81	18.15
18	6	88.52	11.93	94.72	18.13
18	7	88.48	11.96	94.62	18.10
18	8	88.42	11.98	94.52	18.08
18	9	88.38	12.03	94.43	18.08
19	1	88.38	12.03	94.43	18.08
19	2	88.33	12.06	94.33	18.06
19	3	88.28	12.12	94.23	18.07
19	4	88.23	12.18	94.13	18.08
19	5	88.19	12.23	94.04	18.08
19	6	88.14	12.30	93.94	18.10
19	7	88.10	12.38	93.85	18.13
19	8	88.04	12.44	93.74	18.14
20	1	88.04	12.44	93.74	18.14
20	2	87.99	12.40	93.74	18.15
21	1	87.99	12.40	93.74	18.15
21	2	87.85	12.36	93.64	18.16
21	3	87.70	12.30	93.55	18.15
21	4	87.55	12.23	93.45	18.13
21	5	87.40	12.15	93.35	18.09
21	6	87.26	12.09	93.25	18.08
21	7	87.11	12.02	93.15	18.06
21	8	86.96	11.96	93.05	18.05
21	9	86.82	11.91	92.96	18.05
22	1	86.82	11.91	92.96	18.05
22	2	86.67	11.87	92.85	18.06
22	3	86.51	11.81	92.75	18.04
22	4	86.37	11.77	92.66	18.06
22	5	86.22	11.72	92.56	18.05
22	6	86.07	11.68	92.45	18.07
22	7	85.92	11.67	92.35	18.10
22	8	85.78	11.64	92.26	18.12
22	9	85.63	11.59	92.16	18.12
23	1	85.63	11.59	92.16	18.12
23	2	85.47	11.52	92.05	18.10
23	3	85.32	11.45	91.95	18.08
24	1	85.32	11.45	91.95	18.08
24	2	85.37	11.49	91.95	18.07
24	3	85.32	11.51	91.85	18.04
24	4	85.27	11.53	91.75	18.01
24	5	85.22	11.57	91.66	18.01
24	6	85.17	11.64	91.56	18.02
24	7	85.12	11.69	91.46	18.03
25	1	85.12	11.69	91.46	18.03
25	2	85.06	11.74	91.35	18.03
25	3	85.02	11.80	91.25	18.04
25	4	84.97	11.87	91.15	18.06
25	5	84.91	11.95	91.04	18.08
25	6	84.86	12.02	90.94	18.10
25	7	84.82	12.10	90.85	18.12

25	8	84.76	12.13	90.73	18.10
25	9	84.71	12.14	90.63	18.06
26	1	84.71	12.14	90.63	18.06
26	2	84.56	12.06	90.53	18.03
26	3	84.40	12.02	90.42	18.04
26	4	84.25	11.93	90.32	18.00
26	5	84.11	11.86	90.23	17.98
27	1	84.11	11.86	90.23	17.98
27	2	83.38	11.81	89.55	17.98
27	3	82.65	11.77	88.88	18.00
27	4	81.92	11.72	88.20	18.00
27	5	81.20	11.70	87.53	18.03
27	6	80.47	11.65	86.85	18.04
27	7	79.75	11.59	86.19	18.03
27	8	79.03	11.57	85.51	18.06
27	9	78.29	11.57	84.83	18.11
28	1	92.37	12.54	97.97	18.14
28	2	92.23	12.46	97.88	18.11
28	3	92.09	12.41	97.79	18.11
28	4	91.94	12.37	97.69	18.12
28	5	91.79	12.32	97.59	18.12
29	1	91.79	12.32	97.59	18.12
29	2	91.65	12.25	97.50	18.10
29	3	91.49	12.20	97.39	18.10
29	4	91.35	12.15	97.29	18.10
29	5	91.20	12.11	97.19	18.11
29	6	91.06	12.06	97.10	18.11
29	7	90.91	12.00	97.00	18.10
29	8	90.76	11.96	96.90	18.10
29	9	90.62	11.92	96.81	18.11
30	1	90.62	11.92	96.81	18.11
30	2	90.48	11.87	96.72	18.11
30	3	90.33	11.80	96.62	18.08
30	4	90.19	11.76	96.52	18.09
30	5	90.04	11.72	96.43	18.10
30	6	89.90	11.68	96.33	18.11
30	7	89.76	11.62	96.24	18.10
30	8	89.61	11.54	96.14	18.07
30	9	89.46	11.51	96.04	18.09
31	1	89.46	11.51	96.04	18.09
31	2	89.38	11.44	96.04	18.10
32	1	89.38	11.44	96.04	18.10
32	2	89.43	11.50	96.04	18.11
32	3	89.38	11.53	95.93	18.09
32	4	89.32	11.59	95.83	18.10
32	5	89.28	11.66	95.73	18.12
32	6	89.24	11.72	95.64	18.12
32	7	89.19	11.75	95.54	18.10
33	1	89.19	11.75	95.54	18.10
33	2	89.13	11.79	95.44	18.09
33	3	89.08	11.87	95.34	18.12
33	4	89.03	11.93	95.24	18.14
33	5	88.98	11.97	95.14	18.12
33	6	88.93	12.00	95.04	18.10
33	7	88.88	12.08	94.93	18.13
33	8	88.83	12.14	94.84	18.14
33	9	88.80	12.17	94.76	18.13
34	1	88.80	12.17	94.76	18.13
34	2	88.75	12.20	94.65	18.11
34	3	88.69	12.26	94.54	18.11
34	4	88.64	12.33	94.43	18.13

34	5	88.58	12.38	94.32	18.12
34	6	88.53	12.40	94.21	18.08
34	7	88.46	12.45	94.09	18.08
35	1	88.46	12.45	94.09	18.08
35	2	88.40	12.37	94.10	18.07
36	1	88.40	12.37	94.10	18.07
36	2	88.25	12.33	94.00	18.08
36	3	88.11	12.25	93.91	18.05
36	4	87.96	12.19	93.81	18.04
36	5	87.82	12.16	93.72	18.05
36	6	87.67	12.12	93.62	18.06
36	7	87.53	12.06	93.52	18.05
36	8	87.38	11.98	93.43	18.02
36	9	87.24	11.93	93.33	18.02
37	1	87.24	11.93	93.33	18.02
37	2	87.08	11.91	93.22	18.05
37	3	86.93	11.87	93.12	18.06
37	4	86.78	11.79	93.02	18.03
37	5	86.64	11.74	92.93	18.03
37	6	86.49	11.71	92.83	18.05
37	7	86.35	11.68	92.73	18.06
37	8	86.20	11.62	92.63	18.06
37	9	86.05	11.56	92.53	18.04
38	1	86.05	11.56	92.53	18.04
38	2	85.39	11.54	91.92	18.07
38	3	84.73	11.51	91.31	18.08
38	4	84.07	11.46	90.70	18.08
38	5	83.40	11.41	90.07	18.08
38	6	82.72	11.40	89.44	18.12
38	7	82.07	11.37	88.84	18.14
38	8	81.41	11.32	88.23	18.14
38	9	80.76	11.24	87.62	18.11
39	1	92.37	12.54	97.97	18.14
39	2	92.11	12.48	97.77	18.14
39	3	91.85	12.39	97.56	18.10
39	4	91.60	12.30	97.36	18.07
39	5	91.34	12.21	97.16	18.03
40	1	91.34	12.21	97.16	18.03
40	2	91.11	12.13	96.98	18.00
40	3	90.88	12.08	96.80	18.00
40	4	90.65	12.04	96.61	18.00
40	5	90.41	12.01	96.43	18.02
40	6	90.18	11.97	96.24	18.03
40	7	89.95	11.92	96.07	18.03
40	8	89.73	11.90	95.89	18.06
40	9	89.49	11.86	95.70	18.07
41	1	89.49	11.86	95.70	18.07
41	2	89.26	11.82	95.52	18.08
41	3	89.03	11.79	95.33	18.10
41	4	88.79	11.75	95.15	18.11
41	5	88.56	11.68	94.96	18.09
41	6	88.32	11.60	94.77	18.06
41	7	88.07	11.52	94.57	18.02
41	8	87.83	11.46	94.38	18.01
41	9	87.58	11.42	94.18	18.02
42	1	87.58	11.42	94.18	18.02
42	2	87.35	11.37	94.00	18.02
42	3	87.11	11.32	93.81	18.02
42	4	86.88	11.26	93.63	18.01
43	1	86.88	11.26	93.63	18.01
43	2	86.93	11.32	93.63	18.02

43	3	86.80	11.40	93.45	18.05
43	4	86.67	11.46	93.27	18.06
43	5	86.54	11.53	93.09	18.08
43	6	86.40	11.60	92.90	18.10
44	1	86.40	11.60	92.90	18.10
44	2	86.26	11.68	92.71	18.13
44	3	86.12	11.73	92.52	18.13
44	4	85.99	11.75	92.34	18.10
44	5	85.85	11.78	92.16	18.09
44	6	85.72	11.82	91.98	18.08
44	7	85.59	11.87	91.80	18.08
44	8	85.45	11.90	91.61	18.06
44	9	85.31	11.94	91.42	18.05
45	1	85.31	11.94	91.42	18.05
45	2	85.18	11.98	91.24	18.04
45	3	85.05	12.03	91.06	18.05
45	4	84.92	12.09	90.88	18.05
45	5	84.78	12.16	90.70	18.07
45	6	84.65	12.24	90.52	18.11
45	7	84.52	12.32	90.34	18.14
45	8	84.39	12.41	90.16	18.18
45	9	84.25	12.47	89.97	18.19
46	1	84.25	12.47	89.97	18.19
46	2	84.24	12.43	89.97	18.16
47	1	84.24	12.43	89.97	18.16
47	2	84.11	12.35	89.89	18.13
47	3	83.99	12.28	89.81	18.11
47	4	83.87	12.21	89.74	18.08
47	5	83.74	12.14	89.66	18.06
47	6	83.60	12.08	89.58	18.06
47	7	83.47	12.04	89.49	18.06
47	8	83.34	11.97	89.42	18.04
47	9	83.21	11.93	89.33	18.05
48	1	83.21	11.93	89.33	18.05
48	2	83.07	11.90	89.24	18.07
48	3	82.94	11.87	89.16	18.09
48	4	82.81	11.84	89.08	18.11
48	5	82.68	11.80	89.00	18.12
48	6	82.56	11.76	88.92	18.13
48	7	82.43	11.71	88.84	18.12
48	8	82.30	11.64	88.77	18.10
48	9	82.18	11.57	88.69	18.08
49	1	82.18	11.57	88.69	18.08
49	2	82.04	11.51	88.60	18.07
49	3	81.92	11.44	88.53	18.05
49	4	81.79	11.38	88.45	18.04
49	5	81.66	11.32	88.37	18.03
49	6	81.53	11.26	88.29	18.02
49	7	81.40	11.22	88.21	18.03
49	8	81.27	11.17	88.13	18.03
49	9	81.15	11.14	88.06	18.05
50	1	81.15	11.14	88.06	18.05
50	2	81.02	11.11	87.98	18.07
50	3	80.89	11.07	87.90	18.08
50	4	80.75	11.04	87.81	18.10
50	5	80.62	11.01	87.73	18.12
50	6	80.49	10.95	87.65	18.11
50	7	80.36	10.88	87.57	18.09
51	1	80.36	10.88	87.57	18.09
51	2	80.32	10.83	87.57	18.08
52	1	80.32	10.83	87.57	18.08

52	2	80.28	10.87	87.48	18.06
52	3	80.24	10.90	87.38	18.03
52	4	80.22	10.94	87.30	18.02
52	5	80.19	10.99	87.21	18.02
52	6	80.15	11.04	87.12	18.01
53	1	80.15	11.04	87.12	18.01
53	2	79.68	11.08	86.60	18.00
53	3	79.20	11.13	86.07	18.00
53	4	78.73	11.22	85.54	18.03
53	5	78.25	11.31	85.01	18.07
53	6	77.77	11.39	84.48	18.10
53	7	77.29	11.44	83.94	18.09
53	8	76.80	11.50	83.41	18.10
53	9	76.31	11.56	82.86	18.11
54	1	79.32	11.26	86.11	18.05
54	2	79.14	11.21	85.98	18.05
54	3	78.96	11.22	85.85	18.11
54	4	78.79	11.18	85.72	18.11
54	5	78.61	11.05	85.60	18.04
54	6	78.45	10.97	85.49	18.01
54	7	78.28	10.96	85.36	18.05
54	8	78.11	10.95	85.24	18.08
54	9	77.95	10.83	85.13	18.01
55	1	77.95	10.83	85.13	18.01
55	2	78.00	10.82	85.13	17.95
55	3	77.95	10.90	85.03	17.98
55	4	77.89	10.99	84.93	18.03
55	5	77.84	11.00	84.82	17.99
55	6	77.77	11.01	84.71	17.94
55	7	77.71	11.05	84.60	17.94
55	8	77.67	11.18	84.50	18.01
55	9	77.62	11.23	84.41	18.02
56	1	77.62	11.23	84.41	18.02
56	2	77.58	11.20	84.32	17.95
56	3	77.53	11.23	84.22	17.92
56	4	77.48	11.33	84.12	17.97
56	5	77.44	11.42	84.03	18.02
56	6	77.37	11.41	83.92	17.95
56	7	77.32	11.42	83.81	17.92
56	8	77.26	11.52	83.71	17.97
56	9	77.19	11.63	83.59	18.03
57	1	77.19	11.63	83.59	18.03
57	2	77.22	11.60	83.60	17.98
58	1	77.22	11.60	83.60	17.98
58	2	77.02	11.50	83.46	17.93
58	3	76.84	11.47	83.32	17.96
58	4	76.66	11.50	83.20	18.04
58	5	76.46	11.46	83.05	18.06
58	6	76.26	11.36	82.91	18.00
58	7	76.08	11.29	82.77	17.99
58	8	75.91	11.30	82.66	18.05
59	1	75.68	11.07	82.68	18.07
59	2	75.91	11.30	82.66	18.05
60	1	80.73	11.25	87.61	18.13
60	2	80.62	11.28	87.45	18.11
60	3	80.51	11.32	87.29	18.10
60	4	80.42	11.40	87.15	18.13
60	5	80.32	11.44	87.00	18.12
60	6	80.21	11.46	86.84	18.09
60	7	80.11	11.49	86.69	18.07
60	8	80.01	11.55	86.54	18.08

60	9	79.90	11.61	86.38	18.09
61	1	79.90	11.61	86.38	18.09
61	2	79.78	11.63	86.22	18.06
61	3	79.69	11.65	86.07	18.03
61	4	79.60	11.71	85.94	18.04
61	5	79.51	11.75	85.80	18.04
61	6	79.41	11.80	85.65	18.03
61	7	79.27	11.81	85.46	18.00
61	8	79.16	11.88	85.30	18.02
61	9	79.06	11.92	85.15	18.01
62	1	79.06	11.92	85.15	18.01
62	2	78.95	11.98	85.00	18.02
62	3	78.84	12.02	84.84	18.01
62	4	78.74	12.06	84.68	18.01
62	5	78.65	12.15	84.55	18.05
63	1	78.65	12.15	84.55	18.05
63	2	78.40	12.05	84.39	18.04
63	3	78.18	11.93	84.26	18.01
63	4	77.94	11.83	84.11	18.01
63	5	77.70	11.74	83.97	18.01
64	1	77.70	11.74	83.97	18.01
64	2	77.45	11.67	83.82	18.03
64	3	77.20	11.57	83.65	18.02
64	4	76.94	11.47	83.49	18.01
64	5	76.69	11.39	83.32	18.02
64	6	76.45	11.34	83.17	18.07
64	7	76.21	11.24	83.03	18.06
64	8	75.96	11.14	82.87	18.05
64	9	75.68	11.07	82.68	18.07
65	1	78.29	11.57	84.83	18.11
65	2	78.06	11.55	84.65	18.14
65	3	77.84	11.51	84.48	18.15
65	4	77.63	11.42	84.32	18.12
65	5	77.41	11.33	84.16	18.07
65	6	77.20	11.23	83.99	18.03
65	7	76.99	11.19	83.84	18.04
65	8	76.77	11.11	83.67	18.01
65	9	76.57	11.05	83.52	18.00
65	10	76.34	10.99	83.34	17.99
66	1	76.34	10.99	83.34	17.99
66	2	76.09	10.93	83.15	17.98
66	3	75.85	10.89	82.96	18.00
66	4	75.62	10.86	82.79	18.03
66	5	75.43	10.81	82.64	18.02
66	6	75.23	10.79	82.50	18.06
66	7	75.04	10.77	82.36	18.10
66	8	74.84	10.71	82.22	18.09
67	1	74.84	10.71	82.22	18.09
67	2	74.65	10.62	82.08	18.06
67	3	74.45	10.55	81.94	18.04
67	4	74.26	10.49	81.80	18.03
67	5	74.06	10.40	81.66	18.00
67	6	73.87	10.34	81.52	17.99
67	7	73.67	10.28	81.38	17.98
67	8	73.48	10.20	81.24	17.96
68	1	73.48	10.20	81.24	17.96
68	2	73.49	10.25	81.21	17.97
69	1	73.49	10.25	81.21	17.97
69	2	73.39	10.31	81.06	17.97
69	3	73.29	10.35	80.91	17.97
69	4	73.20	10.43	80.76	17.99

69	5	73.08	10.52	80.59	18.03
69	6	72.95	10.61	80.41	18.07
69	7	72.83	10.66	80.23	18.06
69	8	72.73	10.71	80.08	18.06
69	9	72.63	10.77	79.93	18.07
70	1	72.63	10.77	79.93	18.07
70	2	72.55	10.67	79.93	18.05
70	3	72.46	10.58	79.93	18.05
70	4	72.38	10.50	79.93	18.05
71	1	76.31	11.56	82.86	18.11
71	2	76.26	11.60	82.76	18.11
71	3	76.22	11.62	82.67	18.07
71	4	76.17	11.65	82.57	18.06
71	5	76.11	11.68	82.47	18.03
71	6	76.05	11.72	82.36	18.03
71	7	76.01	11.78	82.26	18.04
71	8	75.95	11.84	82.16	18.05
72	1	75.95	11.84	82.16	18.05
72	2	75.75	11.80	82.02	18.07
72	3	75.59	11.76	81.92	18.09
73	1	75.59	11.76	81.92	18.09
73	2	75.45	11.73	81.84	18.12
73	3	75.31	11.70	81.75	18.14
73	4	75.17	11.65	81.67	18.14
73	5	75.03	11.57	81.58	18.12
73	6	74.89	11.49	81.49	18.09
73	7	74.75	11.43	81.41	18.09
73	8	74.61	11.36	81.32	18.07
74	1	74.61	11.36	81.32	18.07
74	2	74.48	11.30	81.24	18.06
74	3	74.34	11.24	81.16	18.06
74	4	74.21	11.19	81.07	18.05
74	5	74.07	11.10	80.99	18.02
74	6	73.94	11.06	80.91	18.03
74	7	73.80	11.04	80.83	18.06
74	8	73.67	11.00	80.74	18.08
74	9	73.53	10.95	80.66	18.08
75	1	73.53	10.95	80.66	18.08
75	2	73.39	10.91	80.57	18.09
75	3	73.24	10.87	80.48	18.10
75	4	73.10	10.78	80.39	18.07
75	5	72.96	10.72	80.30	18.06
75	6	72.81	10.66	80.20	18.05
75	7	72.67	10.60	80.11	18.04
75	8	72.52	10.55	80.02	18.04
75	9	72.38	10.50	79.93	18.05
101	1	12.76	-2.49	21.31	6.06
101	2	21.31	-9.26	30.26	-0.31
102	1	12.76	-2.49	21.31	6.06
102	2	21.59	-7.55	30.54	1.40
103	1	12.76	-2.49	21.31	6.06
103	2	21.05	-7.89	30.00	1.06
204	1	89.13	4.38	98.08	13.33
204	2	86.94	6.06	97.92	17.04
205	1	89.21	1.99	98.16	10.94
205	2	87.01	5.60	97.99	16.58
206	1	89.14	6.30	98.09	15.25
206	2	86.96	6.43	97.94	17.41
207	1	86.94	6.06	97.92	17.04
207	2	87.01	5.60	97.99	16.58
208	1	87.01	5.60	97.99	16.58

208	2	86.96	6.43	97.94	17.41
209	1	86.96	6.43	97.94	17.41
209	2	90.95	10.53	97.95	17.53
210	1	90.95	10.53	97.95	17.53
210	2	90.97	10.81	97.97	17.81
211	1	90.97	10.81	97.97	17.81
211	2	92.56	12.73	97.96	18.13
212	1	89.36	3.24	98.31	12.19
212	2	89.13	4.38	98.08	13.33
213	1	89.32	-0.96	98.27	7.99
213	2	89.21	1.99	98.16	10.94
214	1	89.23	5.11	98.18	14.06
214	2	89.14	6.30	98.09	15.25
215	1	72.63	10.77	79.93	18.07
215	2	72.64	10.75	79.94	18.05
216	1	72.60	10.75	79.90	18.05
216	2	72.61	10.76	79.91	18.06
217	1	72.57	10.76	79.87	18.06
217	2	70.63	8.81	79.87	18.05
218	1	78.29	11.57	84.83	18.11
218	2	78.29	11.58	84.83	18.12
219	1	78.24	11.58	84.78	18.12
219	2	78.26	11.56	84.80	18.10
220	1	78.22	11.56	84.76	18.10
220	2	75.71	9.03	84.76	18.08
221	1	85.79	11.25	92.57	18.03
221	2	85.83	11.32	92.61	18.10
222	1	85.79	11.32	92.57	18.10
222	2	85.80	11.19	92.58	17.97
223	1	85.76	11.19	92.54	17.97
223	2	84.20	9.59	92.55	17.94
224	1	79.32	11.26	86.11	18.05
224	2	79.33	11.33	86.12	18.12
225	1	79.28	11.33	86.07	18.12
225	2	79.30	11.22	86.09	18.01
226	1	79.26	11.22	86.05	18.01
226	2	77.51	9.39	86.05	17.93
227	1	75.91	11.30	82.66	18.05
227	2	75.91	11.35	82.66	18.10
228	1	75.87	11.35	82.62	18.10
228	2	75.88	11.29	82.63	18.04
229	1	75.84	11.29	82.59	18.04
229	2	73.55	8.92	82.61	17.98
230	1	72.38	10.50	79.93	18.05
230	2	72.39	10.48	79.94	18.03
231	1	72.34	10.48	79.89	18.03
231	2	72.35	10.46	79.90	18.01
232	1	72.31	10.46	79.86	18.01
232	2	70.72	8.87	79.86	18.01
233	1	76.31	11.56	82.86	18.11
233	2	76.32	11.55	82.87	18.10
234	1	76.28	11.55	82.83	18.10
234	2	76.29	11.52	82.84	18.07
235	1	76.25	11.52	82.80	18.07
235	2	74.12	9.37	82.81	18.06
236	1	84.24	12.43	89.97	18.16
236	2	84.25	12.42	89.98	18.15
237	1	84.21	12.42	89.94	18.15
237	2	84.22	12.40	89.95	18.13
238	1	84.18	12.40	89.91	18.13
238	2	81.69	9.87	89.92	18.10

239	1	80.73	11.25	87.61	18.13
239	2	80.74	11.26	87.62	18.14
240	1	80.69	11.26	87.57	18.14
240	2	80.72	11.23	87.60	18.11
241	1	80.68	11.23	87.56	18.11
241	2	79.21	9.73	87.56	18.08
242	1	75.68	11.07	82.68	18.07
242	2	75.68	11.10	82.68	18.10
243	1	75.64	11.10	82.64	18.10
243	2	75.65	11.05	82.65	18.05
244	1	75.61	11.05	82.61	18.05
244	2	73.95	9.35	82.62	18.02
245	1	0.00	-0.67	8.55	7.88
245	2	12.76	-2.49	21.31	6.06
246	1	80.76	11.24	87.62	18.11
246	2	80.73	11.25	87.61	18.13

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_2\Relazione\L2-B.doc
Date Created: Friday, January 22, 2021 - Time: 6 : 47 PM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 2 - Portata massima 250 l/s

```
    5    1
    1    2   50
   59    2   50
   70    3   50
   13    3   50
   39    3   50
   100.00   -10.00
 300.0000     0.0964
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Time	Pipe 1@ 50%	Pipe 59@ 50%	Pipe 70@ 50%	Pipe 13@ 50%	Pipe 39@ 50%
0.0000	88.66	75.75	72.46	89.09	88.25
0.0964	89.06	75.73	72.45	89.09	88.25
0.1929	89.25	75.69	72.41	89.08	88.64
0.2893	89.40	75.66	72.38	89.24	88.83
0.3858	89.57	75.63	72.34	89.40	88.96
0.4822	89.62	75.58	72.29	89.48	89.12
0.5787	89.68	75.54	72.29	89.49	89.18
0.6751	89.79	75.51	72.24	89.60	89.24
0.7715	89.88	75.47	72.19	89.72	89.35
0.8680	90.03	75.43	72.16	89.82	89.45
0.9644	90.21	75.39	72.12	90.00	89.59
1.0609	90.23	75.35	72.08	90.15	89.59
1.1573	90.27	75.31	72.04	90.15	89.61
1.2538	90.36	75.27	72.00	90.21	89.83
1.3502	90.39	75.24	71.96	90.21	89.91
1.4467	90.44	75.20	71.92	90.27	89.94
1.5431	90.46	75.16	71.88	90.34	89.99
1.6395	90.52	75.18	71.81	90.33	90.02
1.7360	90.61	75.06	71.68	90.43	90.08
1.8324	90.71	74.93	71.57	90.53	90.17
1.9289	90.80	74.89	71.46	90.61	90.27
2.0253	90.87	74.73	71.32	90.68	90.35
2.1218	90.94	74.57	71.24	90.76	90.30
2.2182	90.88	74.48	71.14	90.78	90.34
2.3146	90.93	74.38	71.07	90.80	90.38
2.4111	90.95	74.29	71.00	90.81	90.46
2.5075	90.97	74.27	70.95	90.79	90.48
2.6040	91.02	74.24	70.90	90.85	90.46
2.7004	91.07	74.19	70.85	90.93	90.50
2.7969	91.13	74.17	70.82	90.98	90.56
2.8933	91.27	74.15	70.78	91.06	90.63
2.9897	91.39	74.14	70.74	91.04	90.78
3.0862	91.46	74.10	70.71	91.13	90.89
3.1826	91.55	74.08	70.68	91.27	90.95
3.2791	91.37	74.06	70.65	91.37	91.04
3.3755	91.47	74.04	70.62	91.33	90.87
3.4720	91.54	74.02	70.60	91.36	90.96
3.5684	91.64	73.98	70.58	91.41	91.02
3.6648	91.66	73.95	70.56	91.47	91.12
3.7613	91.68	73.91	70.56	91.58	91.15
3.8577	91.71	73.90	70.55	91.65	91.19
3.9542	91.75	73.87	70.51	91.74	91.27
4.0506	91.81	73.84	70.51	91.79	91.34
4.1471	91.84	73.82	70.48	91.83	91.40
4.2435	91.91	73.79	70.44	91.84	91.44
4.3400	91.94	73.76	70.41	91.82	91.40

4.4364	91.96	73.73	70.38	91.87	91.39
4.5328	92.01	73.70	70.36	91.91	91.44
4.6293	92.04	73.66	70.33	91.92	91.51
4.7257	92.07	73.61	70.30	91.92	91.58
4.8222	92.07	73.63	70.27	91.93	91.61
4.9186	92.06	73.74	70.24	91.92	91.56
5.0151	92.05	73.80	70.22	91.94	91.50
5.1115	92.02	73.86	70.19	91.93	91.49
5.2079	91.98	73.99	70.18	91.87	91.48
5.3044	91.98	74.08	70.16	91.82	91.49
5.4008	91.99	74.11	70.14	91.82	91.50
5.4973	91.98	74.21	70.11	91.86	91.50
5.5937	91.98	74.31	70.08	91.89	91.48
5.6902	92.03	74.37	70.05	91.88	91.48
5.7866	92.06	74.48	70.02	91.86	91.52
5.8830	92.05	74.56	69.99	91.88	91.54
5.9795	92.06	74.61	70.07	91.89	91.52
6.0759	92.05	74.71	70.16	91.90	91.49
6.1724	92.06	74.78	70.19	91.91	91.48
6.2688	92.07	74.81	70.29	91.92	91.51
6.3653	92.06	74.87	70.34	91.90	91.53
6.4617	92.06	74.93	70.42	91.91	91.52
6.5582	92.04	74.98	70.50	91.92	91.51
6.6546	92.07	75.05	70.52	91.92	91.48
6.7510	92.04	75.11	70.63	91.93	91.52
6.8475	92.02	75.18	70.74	91.89	91.50
6.9439	91.99	75.24	70.78	91.83	91.48
7.0404	91.97	75.25	70.88	91.82	91.43
7.1368	91.95	75.30	70.94	91.82	91.39
7.2333	91.93	75.32	70.96	91.82	91.38
7.3297	91.92	75.31	71.02	91.83	91.39
7.4261	91.92	75.34	71.01	91.81	91.40
7.5226	91.93	75.38	71.07	91.78	91.44
7.6190	91.97	75.41	71.12	91.78	91.42
7.7155	91.98	75.44	71.15	91.78	91.41
7.8119	91.97	75.45	71.21	91.83	91.39
7.9084	91.96	75.46	71.26	91.88	91.42
8.0048	91.98	75.41	71.29	91.88	91.46
8.1012	91.96	75.45	71.32	91.85	91.54
8.1977	92.01	75.47	71.34	91.86	91.52
8.2941	92.00	75.44	71.34	91.88	91.49
8.3906	92.02	75.47	71.36	91.91	91.47
8.4870	92.02	75.47	71.40	91.95	91.50
8.5835	92.05	75.52	71.42	91.95	91.48
8.6799	92.05	75.52	71.45	91.91	91.51
8.7763	92.06	75.54	71.52	91.91	91.50
8.8728	92.05	75.58	71.58	91.93	91.50
8.9692	92.04	75.61	71.65	91.95	91.53
9.0657	92.04	75.68	71.73	91.92	91.52
9.1621	92.03	75.73	71.70	91.88	91.55
9.2586	92.04	75.76	71.75	91.87	91.54
9.3550	92.03	75.82	71.83	91.89	91.50
9.4515	92.03	75.86	71.78	91.90	91.45
9.5479	92.03	75.86	71.84	91.94	91.48
9.6443	92.05	75.90	71.85	91.98	91.51
9.7408	92.06	75.90	71.89	91.95	91.53
9.8372	92.05	75.89	71.93	91.95	91.55
9.9337	92.09	75.89	71.90	91.96	91.54
10.0301	92.13	75.88	71.88	91.95	91.56
10.1266	92.17	75.87	71.86	91.97	91.61
10.2230	92.15	75.86	71.86	92.00	91.66

10.3194	92.14	75.85	71.85	92.00	91.65
10.4159	92.15	75.85	71.84	92.00	91.63
10.5123	92.14	75.83	71.83	92.02	91.60
10.6088	92.14	75.82	71.85	92.05	91.61
10.7052	92.17	75.84	71.84	92.07	91.65
10.8017	92.19	75.82	71.83	92.09	91.69
10.8981	92.24	75.79	71.81	92.06	91.71
10.9945	92.26	75.78	71.78	92.08	91.72
11.0910	92.26	75.74	71.75	92.10	91.73
11.1874	92.26	75.71	71.75	92.12	91.75
11.2839	92.27	75.68	71.73	92.14	91.74
11.3803	92.26	75.69	71.70	92.12	91.73
11.4768	92.27	75.68	71.68	92.08	91.71
11.5732	92.25	75.64	71.69	92.08	91.73
11.6697	92.26	75.63	71.69	92.08	91.71
11.7661	92.24	75.62	71.67	92.12	91.73
11.8625	92.26	75.61	71.68	92.14	91.72
11.9590	92.26	75.58	71.70	92.11	91.71
12.0554	92.24	75.56	71.70	92.10	91.70
12.1519	92.23	75.55	71.71	92.10	91.70
12.2483	92.23	75.54	71.70	92.12	91.72
12.3448	92.24	75.56	71.72	92.14	91.71
12.4412	92.24	75.55	71.72	92.14	91.73
12.5376	92.25	75.54	71.74	92.13	91.75
12.6341	92.26	75.54	71.74	92.14	91.76
12.7305	92.28	75.53	71.70	92.11	91.73
12.8270	92.26	75.53	71.74	92.12	91.73
12.9234	92.25	75.53	71.72	92.13	91.74
13.0199	92.25	75.56	71.68	92.14	91.74
13.1163	92.26	75.58	71.67	92.16	91.74
13.2127	92.27	75.60	71.66	92.15	91.73
13.3092	92.28	75.62	71.67	92.12	91.74
13.4056	92.28	75.62	71.66	92.13	91.78
13.5021	92.27	75.61	71.67	92.13	91.77
13.5985	92.27	75.61	71.66	92.14	91.77
13.6950	92.28	75.60	71.67	92.15	91.77
13.7914	92.30	75.57	71.68	92.15	91.76
13.8878	92.30	75.59	71.67	92.17	91.77
13.9843	92.31	75.59	71.67	92.18	91.79
14.0807	92.31	75.60	71.66	92.18	91.82
14.1772	92.34	75.59	71.66	92.18	91.81
14.2736	92.35	75.59	71.66	92.19	91.81
14.3701	92.37	75.59	71.66	92.19	91.80
14.4665	92.35	75.59	71.65	92.19	91.82
14.5630	92.34	75.57	71.67	92.21	91.83
14.6594	92.32	75.58	71.67	92.21	91.84
14.7558	92.34	75.60	71.67	92.20	91.81
14.8523	92.34	75.61	71.67	92.21	91.81
14.9487	92.35	75.61	71.66	92.21	91.80
15.0452	92.33	75.61	71.67	92.21	91.82
15.1416	92.32	75.62	71.65	92.22	91.84
15.2381	92.34	75.61	71.64	92.20	91.83
15.3345	92.35	75.60	71.63	92.22	91.84
15.4309	92.36	75.61	71.65	92.23	91.85
15.5274	92.36	75.61	71.65	92.21	91.85
15.6238	92.35	75.63	71.65	92.21	91.85
15.7203	92.35	75.64	71.67	92.22	91.84
15.8167	92.34	75.64	71.67	92.22	91.82
15.9132	92.34	75.65	71.69	92.23	91.82
16.0096	92.34	75.66	71.71	92.22	91.81
16.1060	92.33	75.66	71.72	92.19	91.80

16.2025	92.32	75.64	71.73	92.18	91.78
16.2989	92.29	75.63	71.75	92.19	91.77
16.3954	92.29	75.62	71.75	92.20	91.77
16.4918	92.31	75.62	71.74	92.19	91.77
16.5883	92.32	75.60	71.74	92.17	91.78
16.6847	92.33	75.60	71.75	92.17	91.81
16.7811	92.31	75.59	71.76	92.16	91.81
16.8776	92.30	75.58	71.76	92.16	91.79
16.9740	92.28	75.59	71.77	92.17	91.77
17.0705	92.28	75.58	71.79	92.16	91.74
17.1669	92.28	75.58	71.79	92.16	91.73
17.2634	92.28	75.58	71.79	92.14	91.73
17.3598	92.26	75.59	71.80	92.13	91.75
17.4563	92.27	75.58	71.80	92.12	91.75
17.5527	92.27	75.58	71.80	92.12	91.76
17.6491	92.26	75.59	71.82	92.12	91.75
17.7456	92.25	75.60	71.83	92.12	91.76
17.8420	92.26	75.60	71.82	92.12	91.75
17.9385	92.26	75.60	71.82	92.14	91.74
18.0349	92.27	75.61	71.82	92.15	91.73
18.1314	92.27	75.61	71.81	92.15	91.74
18.2278	92.28	75.61	71.80	92.14	91.74
18.3242	92.29	75.60	71.80	92.15	91.76
18.4207	92.30	75.61	71.80	92.16	91.77
18.5171	92.29	75.61	71.80	92.16	91.77
18.6136	92.29	75.62	71.80	92.18	91.76
18.7100	92.29	75.61	71.80	92.18	91.77
18.8065	92.29	75.62	71.79	92.17	91.76
18.9029	92.29	75.63	71.79	92.17	91.78
18.9993	92.30	75.63	71.78	92.15	91.78
19.0958	92.30	75.63	71.77	92.16	91.77
19.1922	92.29	75.62	71.77	92.17	91.76
19.2887	92.29	75.62	71.77	92.16	91.75
19.3851	92.29	75.62	71.76	92.16	91.75
19.4816	92.29	75.61	71.77	92.16	91.77
19.5780	92.29	75.60	71.77	92.17	91.78
19.6745	92.29	75.60	71.77	92.18	91.77
19.7709	92.29	75.60	71.77	92.18	91.76
19.8673	92.30	75.60	71.77	92.16	91.77
19.9638	92.30	75.60	71.77	92.15	91.78
20.0602	92.30	75.60	71.78	92.15	91.78
20.1567	92.30	75.61	71.78	92.16	91.77
20.2531	92.28	75.62	71.78	92.16	91.76
20.3496	91.55	75.62	71.80	91.83	91.74
20.4460	90.25	75.62	71.80	90.50	91.03
20.5424	88.50	75.63	71.80	88.93	89.75
20.6389	86.09	75.63	71.80	86.77	88.05
20.7353	83.69	75.63	71.80	84.21	85.71
20.8318	81.77	75.63	71.79	82.18	83.37
20.9282	80.12	75.62	71.79	80.60	81.52
21.0247	78.97	75.62	71.78	79.21	79.93
21.1211	77.99	75.62	71.78	78.26	78.78
21.2175	76.84	75.61	71.78	77.22	77.78
21.3140	75.50	75.61	71.76	75.88	76.58
21.4104	73.71	75.61	71.76	74.33	75.19
21.5069	71.59	75.61	71.77	72.23	73.42
21.6033	69.60	75.60	71.76	70.15	71.34
21.6998	67.78	75.60	71.75	68.34	69.40
21.7962	66.22	75.60	71.74	66.68	67.63
21.8926	65.11	75.60	71.73	65.42	66.09
21.9891	64.12	75.59	71.73	64.49	64.96

22.0855	63.12	75.59	71.73	63.46	63.96
22.1820	62.02	75.60	71.71	62.39	62.92
22.2784	60.52	75.59	71.71	60.95	61.79
22.3749	58.79	75.59	71.71	59.23	60.29
22.4713	57.14	75.58	71.71	57.54	58.57
22.5678	55.43	75.58	71.71	55.99	56.95
22.6642	54.07	75.59	71.70	54.58	55.28
22.7606	53.08	75.58	71.71	53.62	53.95
22.8571	52.26	75.58	71.70	52.89	52.99
22.9535	51.89	75.59	71.69	52.18	52.16
23.0500	51.68	75.59	71.69	52.01	51.74
23.1464	50.85	75.60	71.68	51.46	51.49
23.2429	50.03	75.60	71.68	50.01	50.61
23.3393	49.22	75.59	71.69	49.21	49.75
23.4357	48.76	75.60	71.68	48.92	48.98
23.5322	48.10	75.59	71.67	48.50	48.55
23.6286	48.07	75.59	71.67	48.20	47.88
23.7251	48.17	75.60	71.67	48.32	47.85
23.8215	48.97	75.60	71.67	48.99	47.97
23.9180	49.72	75.61	71.67	49.84	48.77
24.0144	50.16	75.61	71.67	50.10	49.48
24.1108	50.36	75.61	71.68	50.34	49.85
24.2073	50.68	75.61	71.69	50.60	49.99
24.3037	50.56	75.60	71.69	50.50	50.34
24.4002	50.40	75.60	71.69	50.53	50.25
24.4966	49.59	75.60	71.70	50.13	50.09
24.5931	48.75	75.59	71.69	49.04	49.38
24.6895	48.37	75.60	71.69	48.50	48.75
24.7860	48.30	75.61	71.69	48.46	48.57
24.8824	48.10	75.60	71.68	48.24	48.55
24.9788	48.20	75.32	71.69	48.03	48.26
25.0753	48.28	74.94	71.68	48.09	48.29
25.1717	48.83	74.26	71.68	48.53	48.31
25.2682	49.35	72.91	71.68	49.14	48.73
25.3646	49.65	71.56	71.69	49.50	49.16
25.4611	49.85	69.90	71.68	49.90	49.48
25.5575	50.06	68.01	71.68	50.14	49.77
25.6539	49.95	66.34	71.69	49.98	50.14
25.7504	50.04	64.67	71.68	49.89	50.18
25.8468	49.94	63.08	71.69	49.86	50.28
25.9433	49.45	61.64	71.69	49.52	50.09
26.0397	48.79	60.05	71.69	49.00	49.48
26.1362	47.98	58.35	71.58	48.34	48.71
26.2326	47.07	56.63	70.97	47.58	47.88
26.3290	46.58	54.68	70.20	47.06	47.01
26.4255	46.08	52.72	69.05	46.72	46.60
26.5219	45.61	50.93	67.35	46.31	46.23
26.6184	45.56	49.14	65.71	45.95	45.87
26.7148	45.76	47.53	64.22	45.98	45.82
26.8113	46.09	46.06	62.63	46.37	45.97
26.9077	46.12	44.47	61.33	46.42	46.19
27.0041	45.57	42.90	60.10	45.86	46.06
27.1006	45.03	41.24	58.75	45.21	45.39
27.1970	44.67	39.32	57.40	44.80	44.78
27.2935	44.05	37.53	55.67	44.35	44.39
27.3899	43.31	35.77	53.82	43.72	43.91
27.4864	42.68	34.05	52.05	42.97	43.31
27.5828	42.37	32.82	50.20	42.53	42.73
27.6793	42.50	31.68	48.52	42.60	42.28
27.7757	42.46	30.45	47.12	42.73	42.32
27.8721	42.29	29.68	45.72	42.52	42.18

27.9686	42.01	28.80	44.41	41.83	41.87
28.0650	41.69	27.93	42.99	41.22	41.34
28.1615	41.07	27.02	41.36	40.68	40.76
28.2579	40.41	26.61	39.67	39.87	40.15
28.3544	39.52	26.15	37.93	38.96	39.47
28.4508	38.79	26.15	36.10	38.37	38.45
28.5472	38.21	26.42	34.51	37.82	37.72
28.6437	37.78	26.79	33.12	37.36	37.21
28.7401	37.28	27.48	31.81	37.21	36.95
28.8366	37.05	28.07	31.06	36.89	36.75
28.9330	36.67	28.43	30.25	36.47	36.63
29.0295	36.36	28.90	28.89	35.99	36.19
29.1259	35.89	28.91	28.16	35.46	35.92
29.2223	35.85	28.84	27.60	35.20	35.50
29.3188	35.73	28.78	26.74	35.06	35.36
29.4152	35.63	28.42	25.97	34.94	35.03
29.5117	35.41	28.17	25.77	35.06	34.68
29.6081	35.49	28.23	26.02	35.10	34.47
29.7046	35.62	28.13	26.51	35.27	34.74
29.8010	35.74	28.37	26.94	35.56	35.02
29.8975	35.19	28.75	27.54	35.20	35.30
29.9939	34.83	29.17	28.30	34.43	34.87
30.0903	34.16	29.83	28.81	33.91	34.46
30.1868	33.59	30.37	29.12	33.44	33.83
30.2832	32.83	30.75	29.10	32.86	33.29
30.3797	32.08	31.32	28.56	32.27	32.48
30.4761	31.46	31.57	28.31	31.73	31.74
30.5726	31.41	31.71	28.28	31.77	31.10
30.6690	31.21	31.92	27.94	31.93	31.11
30.7654	31.24	31.87	27.68	31.53	31.18
30.8619	31.21	31.84	27.90	31.25	31.28
30.9583	31.22	31.93	28.33	31.25	31.16
31.0548	31.18	31.86	28.83	31.13	31.15
31.1512	31.06	32.04	29.19	31.00	31.14
31.2477	30.58	32.24	29.71	30.94	31.08
31.3441	30.36	32.40	30.26	30.78	30.71
31.4405	30.03	32.80	30.57	30.71	30.47
31.5370	29.73	33.14	30.85	30.69	30.11
31.6334	29.62	33.34	31.15	30.58	30.06
31.7299	29.66	33.66	31.23	30.35	30.11
31.8263	29.62	33.70	31.11	30.07	30.10
31.9228	29.67	33.62	30.89	29.97	29.85
32.0192	29.52	33.59	30.45	29.75	29.65
32.1156	29.41	33.37	29.91	29.20	29.32
32.2121	29.29	33.16	29.53	28.86	29.04
32.3085	28.80	33.07	29.04	28.72	28.55
32.4050	28.14	32.98	28.48	28.25	27.88
32.5014	27.73	33.08	28.34	27.64	27.34
32.5979	27.34	33.14	28.49	27.39	27.00
32.6943	26.98	33.05	28.51	27.38	26.66
32.7908	26.52	33.02	28.21	27.22	26.43
32.8872	26.15	32.84	27.88	27.15	26.07
32.9836	26.08	32.41	27.75	27.13	25.96
33.0801	26.26	32.03	27.39	26.75	26.03
33.1765	26.10	31.44	26.68	26.20	26.09
33.2730	25.81	30.79	25.98	25.84	25.85
33.3694	25.57	30.26	25.49	25.41	25.44
33.4659	25.50	29.62	25.24	24.88	24.97
33.5623	25.30	28.95	25.07	24.50	24.75
33.6587	24.94	28.42	24.86	24.35	24.32
33.7552	24.36	27.91	24.66	24.17	23.80

33.8516	23.99	27.41	24.64	23.93	23.25
33.9481	23.57	26.96	24.67	23.72	22.82
34.0445	23.09	26.57	24.45	23.41	22.45
34.1410	22.59	26.25	24.07	22.82	22.28
34.2374	22.22	25.97	23.82	22.31	21.94
34.3338	21.79	25.62	23.63	22.18	21.70
34.4303	21.61	25.26	23.39	21.83	21.44
34.5267	21.35	24.93	23.18	21.26	21.31
34.6232	21.26	24.58	23.00	21.13	21.17
34.7196	21.12	24.21	22.89	21.10	21.08
34.8161	20.94	23.78	22.71	20.67	20.60
34.9125	20.55	23.42	22.50	20.32	20.36
35.0090	20.49	23.14	22.47	20.05	20.10
35.1054	20.36	22.86	22.57	19.81	19.88
35.2018	20.18	22.61	22.64	19.75	19.63
35.2983	19.80	22.37	22.87	19.84	19.51
35.3947	19.70	22.17	23.20	19.94	19.31
35.4912	19.80	22.02	23.61	19.91	19.52
35.5876	20.02	21.92	24.12	19.89	19.76
35.6841	19.85	21.79	24.32	20.12	20.03
35.7805	19.75	21.72	24.16	20.26	20.01
35.8769	19.76	21.63	24.19	20.12	19.89
35.9734	19.99	21.64	24.04	20.16	19.90
36.0698	20.05	21.63	23.60	20.26	20.05
36.1663	19.97	21.70	23.13	20.16	19.79
36.2627	19.82	21.83	22.61	20.23	19.63
36.3592	20.05	21.98	22.38	20.35	19.60
36.4556	20.22	22.27	22.36	20.16	19.71
36.5520	20.20	22.60	22.02	19.97	19.89
36.6485	20.09	22.93	21.89	20.01	20.08
36.7449	20.17	23.16	21.94	20.20	20.06
36.8414	20.30	23.37	21.85	20.40	20.20
36.9378	20.46	23.43	21.76	20.53	20.34
37.0343	20.49	23.42	21.57	20.79	20.52
37.1307	20.69	23.26	21.17	21.15	20.59
37.2271	20.87	22.94	20.90	21.32	20.73
37.3236	21.04	22.65	20.53	21.42	20.89
37.4200	21.16	22.44	20.09	21.38	21.19
37.5165	21.37	22.20	19.81	21.17	21.39
37.6129	21.49	22.03	19.43	21.20	21.52
37.7094	21.49	21.97	19.11	21.34	21.45
37.8058	21.22	22.02	18.89	21.13	21.22
37.9023	20.98	22.08	18.55	20.86	20.78
37.9987	20.76	22.10	18.37	20.79	20.49
38.0951	20.52	22.04	18.28	20.65	20.17
38.1916	20.10	21.89	17.87	20.36	19.82
38.2880	19.69	21.68	17.60	20.07	19.54
38.3845	19.56	21.35	17.61	19.88	19.47
38.4809	19.69	20.89	17.43	19.79	19.59
38.5774	19.60	20.43	17.11	19.65	19.78
38.6738	19.46	19.98	16.82	19.54	19.72
38.7702	19.39	19.57	16.56	19.57	19.63
38.8667	19.44	19.18	16.32	19.44	19.51
38.9631	19.35	18.78	15.98	19.09	19.31
39.0596	18.99	18.45	15.64	18.82	19.00
39.1560	18.51	18.17	15.38	18.53	18.56
39.2525	18.32	17.87	15.23	18.24	18.02
39.3489	18.13	17.54	15.27	18.10	17.84
39.4453	17.87	17.25	15.38	17.96	17.69
39.5418	17.62	16.98	15.39	17.75	17.48
39.6382	17.50	16.67	15.42	17.78	17.35

39.7347	17.47	16.34	15.60	17.87	17.39
39.8311	17.56	16.02	15.62	17.73	17.39
39.9276	17.33	15.70	15.42	17.42	17.51
40.0240	17.22	15.39	15.29	17.16	17.39
40.1205	17.11	15.11	15.17	17.07	17.22
40.2169	16.89	14.89	14.93	16.98	16.98
40.3133	16.63	14.73	14.68	16.62	16.71
40.4098	16.46	14.69	14.58	16.37	16.44
40.5062	16.25	14.71	14.61	16.34	16.27
40.6027	16.30	14.73	14.45	16.18	16.02
40.6991	16.14	14.76	14.32	16.05	16.02
40.7956	16.05	14.86	14.43	16.08	15.99
40.8920	16.22	14.90	14.53	16.06	16.02
40.9884	16.37	14.89	14.56	16.10	16.13
41.0849	16.28	14.87	14.67	16.30	16.28
41.1813	16.31	14.86	14.74	16.49	16.22
41.2778	16.29	14.86	14.89	16.66	16.27
41.3742	16.48	14.86	15.11	16.83	16.31
41.4707	16.62	14.89	15.25	16.86	16.46
41.5671	16.54	14.98	15.20	16.74	16.51
41.6635	16.47	15.08	15.09	16.62	16.56
41.7600	16.70	15.21	15.16	16.51	16.59
41.8564	16.87	15.37	15.25	16.51	16.71
41.9529	16.78	15.55	15.05	16.58	16.78
42.0493	16.71	15.73	14.90	16.25	16.62
42.1458	16.65	15.88	15.05	16.56	16.53
42.2422	16.69	16.01	15.18	16.83	16.47
42.3386	16.85	16.13	15.22	16.68	16.40
42.4351	16.74	16.22	15.32	16.81	16.53
42.5315	16.61	16.27	15.50	17.02	16.59
42.6280	16.68	16.26	15.67	16.83	16.50
42.7244	16.69	16.23	15.74	16.92	16.56
42.8209	16.65	16.25	15.86	16.83	16.68
42.9173	16.66	16.26	15.97	16.72	16.69
43.0138	16.56	16.18	15.99	16.68	16.67
43.1102	16.54	16.09	16.05	16.53	16.55
43.2066	16.51	16.06	16.12	16.46	16.46
43.3031	16.47	16.07	16.12	16.58	16.43
43.3995	16.54	15.95	16.21	16.38	16.37
43.4960	16.53	15.85	16.31	16.46	16.31
43.5924	16.32	15.82	16.28	16.49	16.23
43.6889	16.24	15.70	16.20	16.28	16.04
43.7853	16.23	15.59	16.25	16.28	16.01
43.8817	16.17	15.52	16.32	16.40	16.06
43.9782	16.03	15.34	16.17	16.04	15.96
44.0746	15.71	15.23	15.97	15.80	15.81
44.1711	15.47	15.20	15.92	15.76	15.73
44.2675	15.55	15.09	15.91	15.76	15.61
44.3640	15.47	15.03	15.75	15.67	15.56
44.4604	15.23	15.04	15.52	15.53	15.39
44.5568	15.10	15.00	15.37	15.46	15.14
44.6533	15.10	14.98	15.24	15.52	14.93
44.7497	15.15	14.86	15.04	15.41	14.83
44.8462	15.20	14.70	14.86	15.27	14.77
44.9426	15.02	14.60	14.65	15.13	14.82
45.0391	14.96	14.35	14.47	14.96	14.71
45.1355	15.04	14.12	14.44	14.99	14.75
45.2319	15.07	14.02	14.43	15.12	14.88
45.3284	15.01	13.83	14.26	15.02	14.92
45.4248	14.96	13.79	14.19	14.99	14.87
45.5213	14.81	13.83	14.19	15.09	14.85

45.6177	14.78	13.75	14.10	15.08	14.66
45.7142	14.65	13.81	13.92	14.86	14.50
45.8106	14.43	13.89	13.69	14.68	14.35
45.9071	14.33	13.83	13.55	14.54	14.24
46.0035	14.28	13.86	13.39	14.34	14.12
46.0999	14.12	13.86	13.08	14.20	14.00
46.1964	14.16	13.77	12.88	14.15	13.94
46.2928	14.28	13.77	12.82	14.30	14.07
46.3893	14.44	13.72	12.70	14.35	14.13
46.4857	14.49	13.70	12.64	14.37	14.19
46.5822	14.45	13.67	12.62	14.50	14.23
46.6786	14.47	13.77	12.63	14.60	14.22
46.7750	14.56	13.76	12.77	14.55	14.26
46.8715	14.44	13.80	12.84	14.57	14.36
46.9679	14.28	13.95	12.86	14.48	14.28
47.0644	14.18	13.95	12.88	14.37	14.18
47.1608	14.21	13.96	12.91	14.41	14.14
47.2573	14.26	14.00	12.96	14.45	14.23
47.3537	14.31	13.93	12.91	14.33	14.29
47.4501	14.30	13.92	12.78	14.28	14.26
47.5466	14.36	13.86	12.77	14.43	14.26
47.6430	14.56	13.75	12.85	14.60	14.31
47.7395	14.64	13.74	12.97	14.58	14.34
47.8359	14.52	13.72	12.81	14.56	14.32
47.9324	14.53	13.65	13.00	14.66	14.26
48.0288	14.55	13.71	13.22	14.78	14.27
48.1253	14.48	13.72	13.21	14.72	14.26
48.2217	14.39	13.75	13.43	14.63	14.24
48.3181	14.26	13.87	13.59	14.66	14.31
48.4146	14.30	13.89	13.46	14.59	14.34
48.5110	14.37	13.88	13.59	14.51	14.35
48.6075	14.30	13.95	13.56	14.60	14.40
48.7039	14.35	13.90	13.47	14.58	14.40
48.8004	14.47	13.80	13.41	14.58	14.37
48.8968	14.54	13.68	13.25	14.68	14.39
48.9932	14.61	13.53	13.19	14.62	14.40
49.0897	14.60	13.47	13.25	14.53	14.38
49.1861	14.56	13.42	13.14	14.58	14.41
49.2826	14.67	13.32	13.27	14.64	14.48
49.3790	14.65	13.35	13.35	14.63	14.55
49.4755	14.55	13.41	13.26	14.64	14.54
49.5719	14.57	13.43	13.39	14.67	14.52
49.6683	14.58	13.49	13.51	14.89	14.55
49.7648	14.57	13.50	13.35	14.91	14.54
49.8612	14.50	13.46	13.27	14.72	14.45
49.9577	14.36	13.51	13.14	14.70	14.34
50.0541	14.41	13.48	13.02	14.73	14.29
50.1506	14.49	13.39	12.88	14.53	14.31
50.2470	14.40	13.34	12.59	14.34	14.31
50.3434	14.31	13.27	12.39	14.31	14.24
50.4399	14.37	13.18	12.31	14.29	14.19
50.5363	14.44	13.07	12.14	14.35	14.22
50.6328	14.48	12.96	12.10	14.37	14.24
50.7292	14.35	12.89	12.09	14.29	14.24
50.8257	14.22	12.85	12.03	14.27	14.09
50.9221	14.21	12.80	12.07	14.37	14.00
51.0186	14.21	12.78	12.19	14.43	14.06
51.1150	14.10	12.81	12.14	14.33	14.08
51.2114	14.00	12.82	12.14	14.15	13.99
51.3079	13.98	12.79	12.16	14.18	13.93
51.4043	14.01	12.73	12.07	14.27	13.90

51.5008	13.98	12.67	11.92	14.10	13.91
51.5972	13.95	12.60	11.81	13.85	13.86
51.6937	13.90	12.53	11.68	13.88	13.78
51.7901	13.91	12.45	11.59	13.89	13.71
51.8865	13.91	12.40	11.44	13.77	13.62
51.9830	13.82	12.39	11.31	13.76	13.59
52.0794	13.79	12.40	11.41	13.78	13.59
52.1759	13.82	12.44	11.42	13.71	13.53
52.2723	13.71	12.46	11.39	13.74	13.54
52.3688	13.59	12.50	11.62	13.67	13.55
52.4652	13.52	12.58	11.81	13.59	13.53
52.5616	13.52	12.59	11.93	13.54	13.57
52.6581	13.55	12.57	12.02	13.54	13.63
52.7545	13.50	12.59	11.93	13.57	13.61
52.8510	13.47	12.57	11.85	13.61	13.57
52.9474	13.60	12.50	11.87	13.66	13.54
53.0439	13.74	12.47	11.82	13.82	13.56
53.1403	13.77	12.49	11.78	13.85	13.58
53.2368	13.73	12.50	11.74	13.70	13.49
53.3332	13.67	12.55	11.80	13.69	13.42
53.4296	13.70	12.62	11.94	13.78	13.44
53.5261	13.71	12.69	12.02	13.65	13.53
53.6225	13.60	12.81	12.06	13.49	13.53
53.7190	13.49	12.90	12.19	13.58	13.50
53.8154	13.54	12.93	12.32	13.71	13.53
53.9119	13.60	12.95	12.31	13.73	13.55
54.0083	13.58	12.96	12.26	13.82	13.63
54.1047	13.62	12.99	12.28	13.84	13.70
54.2012	13.69	13.01	12.18	13.90	13.64
54.2976	13.75	12.98	12.08	13.96	13.67
54.3941	13.82	13.02	12.02	13.92	13.73
54.4905	13.83	13.08	11.90	13.88	13.73
54.5870	13.83	13.11	11.85	13.80	13.74
54.6834	13.88	13.16	11.90	13.78	13.65
54.7798	13.81	13.17	11.86	13.86	13.62
54.8763	13.74	13.19	11.90	13.77	13.62
54.9727	13.73	13.23	11.97	13.67	13.56
55.0692	13.75	13.22	12.07	13.88	13.60
55.1656	13.79	13.16	12.16	13.96	13.70
55.2621	13.78	13.17	12.15	13.89	13.67
55.3585	13.72	13.14	12.15	13.94	13.72
55.4549	13.83	13.08	12.21	14.04	13.82
55.5514	13.91	13.03	12.12	13.99	13.84
55.6478	13.83	12.97	11.93	13.90	13.85
55.7443	13.75	12.92	11.85	13.75	13.79
55.8407	13.73	12.90	11.78	13.70	13.67
55.9372	13.72	12.86	11.69	13.66	13.65
56.0336	13.70	12.82	11.61	13.53	13.58
56.1301	13.60	12.81	11.54	13.52	13.46
56.2265	13.52	12.82	11.56	13.60	13.38
56.3229	13.55	12.79	11.60	13.58	13.27
56.4194	13.57	12.76	11.62	13.69	13.27
56.5158	13.46	12.74	11.73	13.73	13.36
56.6123	13.40	12.68	11.79	13.56	13.30
56.7087	13.42	12.61	11.83	13.58	13.30
56.8052	13.46	12.53	11.90	13.72	13.40
56.9016	13.43	12.42	11.81	13.58	13.43
56.9980	13.39	12.35	11.70	13.48	13.41
57.0945	13.38	12.26	11.67	13.54	13.39
57.1909	13.45	12.16	11.61	13.56	13.29
57.2874	13.43	12.12	11.44	13.52	13.25

57.3838	13.36	12.08	11.35	13.46	13.19
57.4803	13.36	12.04	11.38	13.40	13.10
57.5767	13.34	12.05	11.28	13.42	13.10
57.6731	13.29	12.09	11.18	13.31	13.07
57.7696	13.25	12.13	11.27	13.24	13.01
57.8660	13.14	12.16	11.42	13.33	13.08
57.9625	13.16	12.16	11.47	13.30	13.05
58.0589	13.21	12.13	11.50	13.28	13.05
58.1554	13.13	12.10	11.55	13.40	13.17
58.2518	13.13	12.06	11.62	13.35	13.18
58.3483	13.24	12.02	11.60	13.33	13.15
58.4447	13.29	11.96	11.54	13.42	13.23
58.5411	13.31	11.94	11.45	13.34	13.21
58.6376	13.27	11.99	11.35	13.26	13.15
58.7340	13.26	12.01	11.35	13.31	13.14
58.8305	13.36	12.03	11.40	13.35	13.11
58.9269	13.38	12.10	11.33	13.36	13.16
59.0234	13.28	12.18	11.27	13.30	13.20
59.1198	13.28	12.22	11.40	13.28	13.14
59.2162	13.35	12.25	11.55	13.44	13.18
59.3127	13.39	12.27	11.59	13.50	13.27
59.4091	13.40	12.29	11.54	13.46	13.28
59.5056	13.35	12.30	11.61	13.56	13.31
59.6020	13.38	12.29	11.74	13.65	13.34
59.6985	13.50	12.28	11.73	13.56	13.34
59.7949	13.50	12.30	11.61	13.57	13.42
59.8913	13.43	12.33	11.61	13.62	13.43
59.9878	13.45	12.35	11.60	13.57	13.36
60.0842	13.48	12.37	11.59	13.54	13.32
60.1807	13.48	12.39	11.56	13.53	13.34
60.2771	13.47	12.42	11.47	13.50	13.30
60.3736	13.42	12.46	11.47	13.61	13.23
60.4700	13.48	12.47	11.55	13.67	13.20
60.5664	13.55	12.44	11.59	13.67	13.24
60.6629	13.47	12.43	11.56	13.68	13.29
60.7593	13.45	12.43	11.59	13.62	13.31
60.8558	13.53	12.37	11.74	13.67	13.37
60.9522	13.52	12.34	11.84	13.73	13.49
61.0487	13.49	12.34	11.76	13.56	13.50
61.1451	13.43	12.29	11.73	13.46	13.48
61.2416	13.40	12.29	11.81	13.58	13.47
61.3380	13.47	12.28	11.77	13.58	13.41
61.4344	13.47	12.23	11.66	13.47	13.35
61.5309	13.35	12.25	11.60	13.49	13.28
61.6273	13.33	12.26	11.57	13.50	13.15
61.7238	13.39	12.22	11.56	13.47	13.07
61.8202	13.39	12.22	11.48	13.48	13.12
61.9167	13.36	12.20	11.46	13.41	13.15
62.0131	13.29	12.19	11.53	13.38	13.15
62.1095	13.28	12.18	11.55	13.41	13.15
62.2060	13.34	12.12	11.59	13.40	13.20
62.3024	13.30	12.11	11.65	13.40	13.31
62.3989	13.22	12.12	11.55	13.34	13.31
62.4953	13.23	12.04	11.56	13.27	13.22
62.5918	13.26	12.02	11.64	13.39	13.22
62.6882	13.25	12.02	11.47	13.39	13.20
62.7846	13.21	11.96	11.30	13.25	13.12
62.8811	13.19	11.96	11.32	13.29	13.08
62.9775	13.24	11.96	11.33	13.37	13.04
63.0740	13.28	11.91	11.22	13.25	13.02
63.1704	13.21	11.93	11.12	13.21	13.05

63.2669	13.18	11.94	11.14	13.25	13.04
63.3633	13.23	11.89	11.28	13.27	12.99
63.4598	13.22	11.91	11.24	13.30	12.98
63.5562	13.15	11.91	11.20	13.25	13.04
63.6526	13.12	11.88	11.28	13.23	13.05
63.7491	13.10	11.92	11.27	13.31	12.98
63.8455	13.11	11.91	11.26	13.32	13.01
63.9420	13.14	11.92	11.32	13.28	13.07
64.0384	13.08	12.00	11.22	13.29	13.09
64.1349	13.08	12.01	11.13	13.17	13.06
64.2313	13.16	12.02	11.19	13.15	13.04
64.3277	13.16	12.05	11.09	13.23	13.08
64.4242	13.14	12.04	10.98	13.08	13.07
64.5206	13.17	12.07	10.98	13.02	13.03
64.6171	13.18	12.05	11.01	13.18	13.03
64.7135	13.24	12.00	11.03	13.25	13.01
64.8100	13.22	12.03	11.04	13.26	13.02
64.9064	13.15	12.05	11.11	13.31	13.04
65.0028	13.21	12.03	11.28	13.38	13.03
65.0993	13.25	12.08	11.38	13.42	13.09
65.1957	13.20	12.13	11.34	13.36	13.18
65.2922	13.17	12.13	11.44	13.30	13.20
65.3886	13.16	12.21	11.52	13.33	13.21
65.4851	13.19	12.23	11.48	13.27	13.18
65.5815	13.25	12.18	11.43	13.17	13.17
65.6779	13.19	12.23	11.40	13.21	13.18
65.7744	13.16	12.23	11.35	13.22	13.10
65.8708	13.26	12.16	11.35	13.20	13.01
65.9673	13.28	12.16	11.31	13.28	13.04
66.0637	13.26	12.16	11.27	13.31	13.05
66.1602	13.24	12.15	11.33	13.29	13.07
66.2566	13.25	12.18	11.39	13.38	13.09
66.3531	13.30	12.16	11.50	13.45	13.14
66.4495	13.30	12.18	11.55	13.39	13.21
66.5459	13.20	12.24	11.56	13.35	13.24
66.6424	13.21	12.21	11.67	13.37	13.23
66.7388	13.26	12.21	11.72	13.37	13.26
66.8353	13.22	12.25	11.61	13.29	13.22
66.9317	13.18	12.20	11.52	13.22	13.15
67.0282	13.16	12.19	11.53	13.31	13.12
67.1246	13.20	12.20	11.47	13.36	13.07
67.2210	13.28	12.14	11.34	13.25	13.05
67.3175	13.24	12.12	11.28	13.28	13.09
67.4139	13.19	12.13	11.28	13.36	13.07
67.5104	13.28	12.09	11.28	13.30	13.07
67.6068	13.31	12.08	11.30	13.28	13.12
67.7033	13.22	12.10	11.31	13.29	13.14
67.7997	13.15	12.11	11.34	13.25	13.13
67.8961	13.13	12.10	11.39	13.25	13.10
67.9926	13.14	12.10	11.39	13.31	13.08
68.0890	13.17	12.11	11.37	13.24	13.14
68.1855	13.08	12.12	11.34	13.16	13.11
68.2819	13.04	12.07	11.25	13.16	13.00
68.3784	13.10	12.04	11.23	13.22	13.01
68.4748	13.12	12.01	11.12	13.17	13.01
68.5713	13.09	11.95	10.94	13.05	12.96
68.6677	13.09	11.91	10.96	13.09	12.96
68.7641	13.11	11.90	10.97	13.20	12.93
68.8606	13.15	11.84	10.86	13.16	12.90
68.9570	13.13	11.82	10.86	13.09	12.91
69.0535	13.04	11.87	10.97	13.17	12.91

69.1499	13.05	11.85	11.05	13.22	12.89
69.2464	13.08	11.83	11.10	13.14	12.87
69.3428	13.01	11.90	11.09	13.12	12.88
69.4392	12.92	11.89	11.14	13.15	12.94
69.5357	12.94	11.88	11.23	13.09	12.91
69.6321	13.00	11.92	11.16	13.06	12.92
69.7286	13.02	11.88	11.05	13.05	13.01
69.8250	13.00	11.87	11.02	13.00	12.98
69.9215	12.97	11.88	10.95	13.01	12.91
70.0179	13.04	11.82	10.89	13.06	12.89
70.1143	13.10	11.82	10.86	13.07	12.85
70.2108	13.02	11.85	10.76	13.05	12.81
70.3072	12.96	11.84	10.80	13.04	12.78
70.4037	12.98	11.86	10.97	13.14	12.74
70.5001	13.01	11.90	11.00	13.16	12.79
70.5966	13.00	11.90	11.05	13.03	12.89
70.6930	12.93	11.94	11.18	13.04	12.92
70.7894	12.91	11.96	11.33	13.17	12.93
70.8859	13.01	11.96	11.42	13.13	12.96
70.9823	13.04	11.96	11.33	13.04	13.04
71.0788	12.99	11.96	11.26	13.08	13.07
71.1752	13.00	11.96	11.32	13.16	13.01
71.2717	13.07	11.97	11.23	13.18	12.93
71.3681	13.12	11.94	11.06	13.17	12.94
71.4646	13.10	11.96	11.05	13.13	12.96
71.5610	13.05	12.00	11.03	13.14	12.92
71.6574	13.08	11.98	11.03	13.17	12.87
71.7539	13.13	11.99	11.14	13.17	12.89
71.8503	13.11	12.03	11.16	13.17	12.95
71.9468	13.05	12.03	11.20	13.18	12.99
72.0432	13.06	12.05	11.35	13.21	12.95
72.1397	13.11	12.09	11.42	13.31	12.97
72.2361	13.14	12.08	11.42	13.29	13.07
72.3325	13.11	12.09	11.38	13.22	13.09
72.4290	13.08	12.10	11.38	13.34	13.03
72.5254	13.14	12.06	11.42	13.37	13.03
72.6219	13.20	12.04	11.29	13.23	13.05
72.7183	13.15	12.04	11.14	13.20	13.06
72.8148	13.13	12.01	11.19	13.24	13.04
72.9112	13.19	12.01	11.19	13.23	13.00
73.0076	13.22	12.01	11.09	13.17	12.99
73.1041	13.18	11.98	11.13	13.11	13.03
73.2005	13.13	12.03	11.16	13.19	13.01
73.2970	13.10	12.05	11.20	13.31	12.93
73.3934	13.13	12.00	11.32	13.27	12.92
73.4899	13.13	12.03	11.31	13.23	12.98
73.5863	13.03	12.03	11.27	13.28	13.01
73.6828	12.99	11.99	11.33	13.27	12.96
73.7792	13.06	11.98	11.33	13.26	12.94
73.8756	13.09	11.93	11.26	13.22	13.01
73.9721	13.05	11.88	11.15	13.08	13.06
74.0685	13.03	11.87	11.04	13.06	12.99
74.1650	13.04	11.81	11.09	13.12	12.93
74.2614	13.10	11.78	11.05	13.06	12.91
74.3579	13.07	11.77	10.89	12.98	12.87
74.4543	12.95	11.75	10.92	13.02	12.81
74.5507	12.94	11.76	11.05	13.11	12.71
74.6472	12.96	11.76	11.04	13.11	12.67
74.7436	12.92	11.74	11.05	13.02	12.76
74.8401	12.89	11.76	11.12	13.00	12.83
74.9365	12.86	11.78	11.19	13.08	12.81

75.0330	12.88	11.72	11.24	13.06	12.83
75.1294	12.94	11.66	11.21	12.97	12.89
75.2258	12.90	11.65	11.16	12.98	12.94
75.3223	12.88	11.62	11.12	13.01	12.92
75.4187	12.96	11.56	11.07	12.99	12.83
75.5152	12.98	11.56	11.03	13.03	12.80
75.6116	12.94	11.54	10.95	13.02	12.80
75.7081	12.92	11.58	10.89	12.97	12.71
75.8045	12.89	11.61	10.94	13.03	12.63
75.9009	12.92	11.61	11.03	13.04	12.66
75.9974	12.92	11.65	11.03	12.93	12.72
76.0938	12.84	11.70	11.04	12.91	12.73
76.1903	12.84	11.71	11.18	12.97	12.74
76.2867	12.91	11.74	11.28	13.01	12.79
76.3832	12.92	11.77	11.24	12.97	12.89
76.4796	12.92	11.75	11.24	12.95	12.95
76.5761	12.91	11.77	11.29	13.05	12.94
76.6725	12.95	11.79	11.29	13.13	12.92
76.7689	13.03	11.76	11.23	13.08	12.92
76.8654	13.00	11.78	11.16	13.08	12.93
76.9618	12.97	11.83	11.15	13.16	12.91
77.0583	13.02	11.83	11.15	13.11	12.81
77.1547	13.05	11.86	11.12	13.06	12.79
77.2512	13.03	11.90	11.14	13.08	12.87
77.3476	13.01	11.92	11.12	13.06	12.86
77.4440	13.00	11.96	11.14	13.08	12.81
77.5405	13.03	11.98	11.26	13.15	12.86
77.6369	13.06	11.99	11.28	13.15	12.95
77.7334	13.02	12.01	11.24	13.14	12.98
77.8298	12.99	12.00	11.28	13.21	12.97
77.9263	13.04	12.00	11.35	13.24	12.97
78.0227	13.09	11.99	11.34	13.21	13.03
78.1191	13.04	11.97	11.26	13.12	13.06
78.2156	13.01	11.97	11.23	13.11	12.99
78.3120	13.04	11.98	11.24	13.19	12.94
78.4085	13.09	11.96	11.19	13.09	12.95
78.5049	13.08	11.96	11.12	12.97	12.94
78.6014	13.03	11.99	11.10	13.12	12.89
78.6978	13.03	11.98	11.12	13.19	12.82
78.7942	13.07	11.98	11.12	13.10	12.80
78.8907	13.06	11.99	11.14	13.10	12.90
78.9871	13.02	11.97	11.20	13.12	12.95
79.0836	12.99	11.96	11.24	13.12	12.90
79.1800	12.98	11.96	11.28	13.15	12.95
79.2765	13.03	11.87	11.33	13.06	13.03
79.3729	13.01	11.85	11.33	13.01	13.02
79.4694	12.92	11.85	11.28	13.08	12.98
79.5658	12.96	11.79	11.23	13.06	12.90
79.6622	13.02	11.78	11.19	13.02	12.89
79.7587	12.96	11.78	11.09	12.99	12.90
79.8551	12.91	11.75	11.00	12.93	12.77
79.9516	12.92	11.77	10.96	13.04	12.69
80.0480	12.92	11.78	10.95	13.04	12.71
80.1445	12.92	11.71	10.95	12.84	12.72
80.2409	12.85	11.76	10.95	12.88	12.75
80.3373	12.81	11.76	11.03	13.04	12.73
80.4338	12.87	11.70	11.07	12.96	12.72
80.5302	12.89	11.70	11.06	12.90	12.84
80.6267	12.85	11.67	11.12	12.95	12.90
80.7231	12.85	11.65	11.14	12.99	12.82
80.8196	12.84	11.66	11.07	13.02	12.80

80.9160	12.88	11.60	11.00	12.99	12.80
81.0124	12.89	11.58	10.99	12.95	12.78
81.1089	12.81	11.64	10.95	13.00	12.72
81.2053	12.83	11.60	10.85	12.98	12.64
81.3018	12.90	11.58	10.81	12.93	12.64
81.3982	12.87	11.60	10.82	12.90	12.70
81.4947	12.83	11.60	10.81	12.82	12.67
81.5911	12.84	11.63	10.83	12.88	12.66
81.6876	12.89	11.64	10.88	12.98	12.73
81.7840	12.92	11.63	10.88	12.91	12.83
81.8804	12.90	11.67	10.92	12.91	12.84
81.9769	12.85	11.70	11.01	13.07	12.83
82.0733	12.92	11.70	11.05	13.09	12.84
82.1698	12.96	11.72	11.01	13.00	12.88
82.2662	12.89	11.72	11.00	12.98	12.87
82.3627	12.86	11.74	11.07	13.00	12.83
82.4591	12.89	11.77	11.04	13.00	12.79
82.5555	12.95	11.76	10.95	12.95	12.81
82.6520	12.98	11.75	10.93	12.90	12.85
82.7484	12.94	11.79	10.95	12.98	12.84
82.8449	12.95	11.82	10.95	13.02	12.77
82.9413	13.02	11.79	10.94	13.03	12.78
83.0378	13.05	11.80	10.98	13.09	12.88
83.1342	13.01	11.85	11.01	13.11	12.91
83.2306	12.99	11.83	11.08	13.11	12.86
83.3271	13.00	11.85	11.16	13.14	12.91
83.4235	13.03	11.86	11.21	13.09	13.00
83.5200	12.98	11.86	11.21	13.01	13.00
83.6164	12.92	11.91	11.26	13.06	12.94
83.7129	12.94	11.92	11.28	13.11	12.90
83.8093	13.00	11.90	11.22	13.05	12.89
83.9057	12.97	11.91	11.14	13.01	12.90
84.0022	12.93	11.93	11.09	13.07	12.85
84.0986	12.96	11.93	11.08	13.17	12.76
84.1951	13.03	11.90	11.02	13.16	12.75
84.2915	13.03	11.86	10.95	13.11	12.81
84.3880	12.99	11.89	10.99	13.11	12.81
84.4844	12.95	11.93	11.07	13.17	12.78
84.5809	12.98	11.85	11.08	13.11	12.80
84.6773	13.02	11.81	11.11	13.01	12.92
84.7737	12.96	11.87	11.19	13.02	12.98
84.8702	12.90	11.87	11.21	13.05	12.92
84.9666	12.92	11.83	11.23	13.05	12.88
85.0631	12.95	11.82	11.19	13.05	12.91
85.1595	12.94	11.80	11.11	13.02	12.91
85.2560	12.88	11.85	11.10	13.03	12.83
85.3524	12.88	11.85	11.02	13.08	12.74
85.4488	12.93	11.76	10.96	13.07	12.72
85.5453	12.95	11.76	10.91	12.98	12.73
85.6417	12.90	11.79	10.82	12.94	12.72
85.7382	12.87	11.77	10.88	12.96	12.67
85.8346	12.88	11.74	10.94	12.95	12.67
85.9311	12.89	11.70	10.86	12.88	12.74
86.0275	12.85	11.70	10.89	12.82	12.80
86.1239	12.82	11.75	11.02	12.95	12.77
86.2204	12.83	11.71	11.01	13.02	12.76
86.3168	12.87	11.68	11.00	12.92	12.78
86.4133	12.83	11.71	10.99	12.91	12.81
86.5097	12.78	11.74	10.97	12.99	12.77
86.6062	12.79	11.72	10.96	12.94	12.69
86.7026	12.83	11.68	10.91	12.91	12.69

86.7991	12.84	11.66	10.83	12.88	12.71
86.8955	12.82	11.67	10.78	12.84	12.68
86.9919	12.81	11.68	10.75	12.87	12.62
87.0884	12.83	11.63	10.76	12.91	12.60
87.1848	12.88	11.60	10.80	12.89	12.66
87.2813	12.85	11.65	10.74	12.89	12.68
87.3777	12.79	11.65	10.80	12.93	12.65
87.4742	12.83	11.63	10.96	13.01	12.66
87.5706	12.85	11.65	10.95	13.00	12.75
87.6670	12.82	11.69	10.96	12.91	12.81
87.7635	12.79	11.74	11.05	12.94	12.77
87.8599	12.78	11.76	11.09	13.02	12.74
87.9564	12.82	11.74	11.05	12.94	12.75
88.0528	12.84	11.74	11.00	12.86	12.78
88.1493	12.79	11.76	10.95	12.93	12.74
88.2457	12.81	11.74	10.93	12.94	12.65
88.3421	12.87	11.72	10.89	12.90	12.64
88.4386	12.90	11.69	10.85	12.94	12.70
88.5350	12.90	11.71	10.88	12.96	12.71
88.6315	12.88	11.72	10.91	12.99	12.67
88.7279	12.90	11.70	11.01	12.98	12.70
88.8244	12.94	11.68	11.13	12.97	12.81
88.9208	12.91	11.75	11.15	12.98	12.89
89.0172	12.85	11.81	11.21	12.98	12.85
89.1137	12.87	11.78	11.33	13.00	12.83
89.2101	12.91	11.81	11.35	13.03	12.89
89.3066	12.90	11.86	11.25	12.98	12.93
89.4030	12.89	11.85	11.21	12.98	12.85
89.4995	12.90	11.85	11.21	13.10	12.78
89.5959	12.94	11.84	11.17	13.09	12.77
89.6924	12.98	11.77	11.09	12.99	12.79
89.7888	12.96	11.82	11.02	13.03	12.78
89.8852	12.94	11.83	11.07	13.08	12.72
89.9817	12.97	11.78	11.12	13.03	12.72
90.0781	12.98	11.79	11.12	12.97	12.82
90.1746	12.94	11.83	11.13	12.97	12.87
90.2710	12.91	11.86	11.19	13.04	12.86
90.3675	12.92	11.87	11.24	13.06	12.83
90.4639	12.95	11.86	11.26	13.04	12.89
90.5603	12.95	11.85	11.25	13.05	12.95
90.6568	12.88	11.89	11.18	13.09	12.87
90.7532	12.87	11.82	11.16	13.05	12.79
90.8497	12.93	11.76	11.15	13.04	12.82
90.9461	12.95	11.75	11.07	13.02	12.85
91.0426	12.91	11.72	10.97	12.95	12.81
91.1390	12.90	11.71	10.92	12.97	12.72
91.2354	12.91	11.70	10.93	13.00	12.69
91.3319	12.93	11.65	10.91	12.92	12.78
91.4283	12.91	11.67	10.87	12.87	12.77
91.5248	12.84	11.73	10.89	12.98	12.70
91.6212	12.84	11.69	10.94	13.01	12.71
91.7177	12.88	11.67	10.95	12.90	12.75
91.8141	12.82	11.69	10.96	12.88	12.81
91.9106	12.78	11.70	10.99	12.95	12.79
92.0070	12.79	11.69	10.98	12.93	12.73
92.1034	12.81	11.62	10.95	12.87	12.77
92.1999	12.82	11.56	10.93	12.81	12.83
92.2963	12.79	11.60	10.92	12.83	12.75
92.3928	12.77	11.58	10.82	12.87	12.65
92.4892	12.81	11.50	10.77	12.84	12.64
92.5857	12.83	11.51	10.77	12.82	12.66

92.6821	12.79	11.55	10.74	12.84	12.62
92.7785	12.78	11.54	10.74	12.87	12.54
92.8750	12.80	11.56	10.77	12.92	12.54
92.9714	12.82	11.53	10.83	12.90	12.65
93.0679	12.79	11.55	10.90	12.79	12.69
93.1643	12.73	11.64	10.96	12.83	12.67
93.2608	12.73	11.61	11.01	12.90	12.70
93.3572	12.79	11.55	11.06	12.84	12.75
93.4536	12.78	11.59	11.02	12.80	12.79
93.5501	12.74	11.59	11.01	12.88	12.78
93.6465	12.77	11.57	11.01	12.94	12.69
93.7430	12.80	11.56	10.90	12.92	12.68
93.8394	12.83	11.52	10.85	12.86	12.73
93.9359	12.83	11.57	10.86	12.89	12.67
94.0323	12.80	11.64	10.83	12.97	12.57
94.1287	12.83	11.60	10.81	12.90	12.59
94.2252	12.87	11.62	10.84	12.86	12.67
94.3216	12.83	11.72	10.90	12.90	12.71
94.4181	12.80	11.76	10.96	12.88	12.70
94.5145	12.81	11.77	11.01	12.88	12.73
94.6110	12.85	11.75	11.08	12.94	12.83
94.7074	12.87	11.75	11.13	12.93	12.88
94.8039	12.83	11.80	11.11	12.97	12.83
94.9003	12.84	11.78	11.12	13.06	12.82
94.9967	12.92	11.71	11.14	13.04	12.84
95.0932	12.95	11.73	11.04	13.00	12.86
95.1896	12.92	11.76	10.97	12.99	12.84
95.2861	12.92	11.77	11.00	13.00	12.78
95.3825	12.94	11.78	10.98	12.99	12.75
95.4790	12.96	11.76	10.88	12.92	12.80
95.5754	12.94	11.79	10.93	12.90	12.80
95.6718	12.88	11.89	11.00	13.01	12.76
95.7683	12.89	11.86	11.01	12.99	12.75
95.8647	12.93	11.79	11.05	12.94	12.79
95.9612	12.91	11.86	11.08	13.01	12.83
96.0576	12.86	11.88	11.15	13.09	12.82
96.1541	12.88	11.82	11.18	13.07	12.79
96.2505	12.91	11.78	11.15	13.04	12.83
96.3469	12.93	11.75	11.15	13.01	12.88
96.4434	12.90	11.78	11.12	13.00	12.86
96.5398	12.87	11.79	11.05	13.01	12.78
96.6363	12.91	11.71	11.03	12.95	12.76
96.7327	12.93	11.69	10.98	12.90	12.77
96.8292	12.87	11.75	10.86	12.90	12.74
96.9256	12.83	11.74	10.90	12.94	12.64
97.0221	12.84	11.70	10.95	12.96	12.61
97.1185	12.87	11.68	10.93	12.95	12.66
97.2149	12.84	11.67	10.93	12.89	12.69
97.3114	12.77	11.72	10.99	12.96	12.67
97.4078	12.75	11.70	11.08	12.98	12.68
97.5043	12.80	11.58	11.07	12.88	12.73
97.6007	12.81	11.58	11.04	12.85	12.78
97.6972	12.76	11.64	11.03	12.90	12.78
97.7936	12.73	11.59	10.99	12.89	12.71
97.8900	12.76	11.53	10.92	12.84	12.65
97.9865	12.77	11.53	10.86	12.81	12.68
98.0829	12.76	11.55	10.79	12.80	12.64
98.1794	12.72	11.58	10.75	12.85	12.53
98.2758	12.73	11.52	10.76	12.82	12.49
98.3723	12.76	11.49	10.77	12.80	12.55
98.4687	12.74	11.55	10.77	12.80	12.57

98.5651	12.69	11.58	10.80	12.79	12.55
98.6616	12.70	11.55	10.89	12.80	12.58
98.7580	12.73	11.52	10.95	12.81	12.66
98.8545	12.74	11.52	10.95	12.78	12.72
98.9509	12.72	11.56	10.95	12.79	12.70
99.0474	12.71	11.57	11.00	12.90	12.67
99.1438	12.75	11.51	11.00	12.91	12.68
99.2402	12.79	11.49	10.92	12.83	12.69
99.3367	12.77	11.58	10.88	12.84	12.67
99.4331	12.75	11.60	10.87	12.91	12.62
99.5296	12.79	11.54	10.84	12.87	12.58
99.6260	12.83	11.56	10.82	12.84	12.63
99.7225	12.82	11.61	10.80	12.85	12.67
99.8189	12.80	11.68	10.84	12.86	12.62
99.9154	12.79	11.68	10.88	12.88	12.61
100.0118	12.82	11.65	10.92	12.88	12.68
100.1082	12.84	11.70	10.98	12.91	12.73
100.2047	12.81	11.76	11.00	12.97	12.71
100.3011	12.78	11.71	11.04	12.98	12.69
100.3976	12.84	11.70	11.10	13.00	12.73
100.4940	12.87	11.73	11.09	13.01	12.82
100.5905	12.85	11.76	11.03	12.95	12.81
100.6869	12.82	11.79	11.04	12.95	12.76
100.7833	12.87	11.78	11.06	13.00	12.77
100.8798	12.91	11.74	10.99	12.93	12.80
100.9762	12.90	11.81	10.92	12.91	12.77
101.0727	12.85	11.85	10.91	12.99	12.72
101.1691	12.89	11.80	10.96	12.97	12.67
101.2656	12.92	11.78	10.97	12.94	12.70
101.3620	12.89	11.81	10.96	12.97	12.76
101.4584	12.87	11.84	11.01	13.05	12.73
101.5549	12.86	11.82	11.05	13.05	12.70
101.6513	12.87	11.75	11.10	12.99	12.80
101.7478	12.90	11.76	11.15	12.96	12.86
101.8442	12.86	11.83	11.13	13.03	12.86
101.9407	12.82	11.80	11.08	13.00	12.81
102.0371	12.86	11.74	11.10	12.93	12.78
102.1336	12.88	11.75	11.07	12.96	12.83
102.2300	12.85	11.78	10.98	12.93	12.80
102.3264	12.83	11.77	10.92	12.90	12.67
102.4229	12.84	11.73	10.89	12.95	12.64
102.5193	12.87	11.67	10.91	12.92	12.68
102.6158	12.86	11.68	10.89	12.84	12.67
102.7122	12.81	11.73	10.85	12.91	12.63
102.8087	12.81	11.66	10.92	12.96	12.64
102.9051	12.86	11.57	11.00	12.89	12.72
103.0015	12.82	11.62	11.01	12.84	12.80
103.0980	12.80	11.62	11.01	12.87	12.79
103.1944	12.78	11.61	11.04	12.96	12.75
103.2909	12.79	11.58	11.03	12.92	12.74
103.3873	12.79	11.55	11.01	12.85	12.74
103.4838	12.77	11.60	10.95	12.89	12.71
103.5802	12.72	11.61	10.86	12.90	12.62
103.6766	12.73	11.54	10.80	12.80	12.55
103.7731	12.79	11.51	10.80	12.78	12.59
103.8695	12.77	11.57	10.76	12.79	12.63
103.9660	12.74	11.56	10.70	12.77	12.57
104.0624	12.73	11.54	10.71	12.79	12.56
104.1589	12.76	11.51	10.77	12.80	12.62
104.2553	12.78	11.51	10.83	12.77	12.68
104.3517	12.74	11.55	10.79	12.82	12.66

104.4482	12.71	11.55	10.84	12.90	12.62
104.5446	12.73	11.51	10.91	12.91	12.63
104.6411	12.74	11.56	10.88	12.88	12.67
104.7375	12.71	11.60	10.86	12.85	12.66
104.8340	12.71	11.60	10.85	12.89	12.62
104.9304	12.73	11.60	10.84	12.87	12.63
105.0269	12.78	11.54	10.79	12.76	12.65
105.1233	12.77	11.56	10.76	12.76	12.67
105.2197	12.75	11.62	10.74	12.85	12.61
105.3162	12.76	11.57	10.72	12.81	12.58
105.4126	12.82	11.51	10.73	12.78	12.63
105.5091	12.81	11.55	10.78	12.84	12.67
105.6055	12.79	11.61	10.83	12.88	12.64
105.7020	12.79	11.59	10.85	12.92	12.63
105.7984	12.81	11.57	10.93	12.94	12.68
105.8948	12.82	11.62	11.00	12.92	12.77
105.9913	12.80	11.70	11.04	12.90	12.77
106.0877	12.75	11.73	11.05	12.92	12.71
106.1842	12.78	11.69	11.05	12.90	12.75
106.2806	12.82	11.68	11.06	12.88	12.79
106.3771	12.82	11.73	11.02	12.85	12.76
106.4735	12.80	11.74	10.96	12.85	12.71
106.5699	12.84	11.71	10.95	12.91	12.68
106.6664	12.88	11.67	10.94	12.91	12.69
106.7628	12.88	11.66	10.90	12.88	12.70
106.8593	12.85	11.74	10.94	12.96	12.68
106.9557	12.84	11.74	10.98	12.99	12.68
107.0522	12.88	11.66	11.02	12.93	12.73
107.1486	12.88	11.72	11.08	12.93	12.79
107.2450	12.84	11.82	11.12	12.96	12.82
107.3415	12.81	11.80	11.16	12.94	12.82
107.4379	12.82	11.79	11.19	12.91	12.80
107.5344	12.84	11.79	11.18	12.94	12.82
107.6308	12.83	11.80	11.14	12.96	12.80
107.7273	12.78	11.82	11.07	12.95	12.70
107.8237	12.79	11.76	11.00	12.91	12.68
107.9202	12.86	11.71	10.99	12.91	12.69
108.0166	12.85	11.74	10.92	12.91	12.67
108.1130	12.81	11.75	10.82	12.91	12.64
108.2095	12.80	11.71	10.83	12.88	12.64
108.3059	12.83	11.70	10.89	12.88	12.66
108.4024	12.84	11.67	10.85	12.85	12.71
108.4988	12.81	11.71	10.87	12.86	12.70
108.5953	12.76	11.73	10.94	12.92	12.69
108.6917	12.77	11.66	10.98	12.90	12.70
108.7881	12.79	11.65	10.98	12.86	12.72
108.8846	12.75	11.71	10.95	12.91	12.69
108.9810	12.71	11.68	10.97	12.94	12.66
109.0775	12.74	11.61	10.93	12.86	12.64
109.1739	12.77	11.58	10.87	12.82	12.67
109.2704	12.78	11.57	10.82	12.80	12.67
109.3668	12.75	11.59	10.78	12.82	12.61
109.4632	12.73	11.56	10.69	12.80	12.58
109.5597	12.79	11.49	10.70	12.77	12.60
109.6561	12.79	11.51	10.73	12.76	12.62
109.7526	12.73	11.57	10.67	12.77	12.59
109.8490	12.71	11.55	10.72	12.78	12.57
109.9455	12.72	11.52	10.82	12.84	12.58
110.0419	12.73	11.54	10.84	12.86	12.63
110.1384	12.69	11.59	10.87	12.77	12.63
110.2348	12.64	11.62	10.91	12.83	12.60

110.3312	12.65	11.56	10.93	12.86	12.62
110.4277	12.72	11.50	10.92	12.78	12.64
110.5241	12.70	11.56	10.86	12.74	12.65
110.6206	12.69	11.56	10.82	12.79	12.62
110.7170	12.70	11.50	10.79	12.78	12.57
110.8135	12.74	11.47	10.71	12.77	12.57
110.9099	12.76	11.49	10.70	12.75	12.58
111.0063	12.75	11.53	10.71	12.81	12.55
111.1028	12.71	11.56	10.69	12.83	12.54
111.1992	12.73	11.50	10.77	12.81	12.55
111.2957	12.76	11.51	10.87	12.83	12.60
111.3921	12.72	11.65	10.90	12.87	12.64
111.4886	12.68	11.63	10.95	12.84	12.65
111.5850	12.72	11.60	11.02	12.83	12.67
111.6814	12.75	11.59	11.07	12.88	12.74
111.7779	12.76	11.62	11.05	12.86	12.73
111.8743	12.74	11.64	10.99	12.88	12.69
111.9708	12.76	11.63	10.96	12.92	12.65
112.0672	12.82	11.57	10.95	12.92	12.67
112.1637	12.84	11.60	10.86	12.86	12.67
112.2601	12.81	11.66	10.83	12.87	12.62
112.3565	12.81	11.65	10.85	12.91	12.61
112.4530	12.83	11.62	10.87	12.93	12.65
112.5494	12.85	11.65	10.91	12.88	12.70
112.6459	12.84	11.70	10.97	12.88	12.73
112.7423	12.82	11.74	11.05	12.95	12.73
112.8388	12.82	11.72	11.10	12.94	12.75
112.9352	12.85	11.66	11.15	12.92	12.81
113.0317	12.85	11.74	11.15	12.98	12.82
113.1281	12.82	11.76	11.15	13.02	12.78
113.2245	12.83	11.67	11.12	12.98	12.74
113.3210	12.88	11.66	11.08	13.00	12.76
113.4174	12.88	11.71	11.04	12.99	12.79
113.5139	12.86	11.70	10.94	12.93	12.73
113.6103	12.84	11.69	10.90	12.92	12.68
113.7068	12.87	11.65	10.92	12.94	12.70
113.8032	12.88	11.65	10.91	12.92	12.70
113.8996	12.84	11.72	10.86	12.87	12.66
113.9961	12.80	11.71	10.89	12.91	12.67
114.0925	12.80	11.67	10.97	12.92	12.68
114.1890	12.82	11.69	10.99	12.91	12.69
114.2854	12.79	11.72	10.98	12.90	12.70
114.3819	12.73	11.70	10.98	12.96	12.70
114.4783	12.73	11.65	11.01	12.92	12.68
114.5747	12.76	11.58	10.99	12.83	12.70
114.6712	12.78	11.60	10.95	12.84	12.72
114.7676	12.75	11.62	10.89	12.90	12.69
114.8641	12.74	11.52	10.81	12.83	12.64
114.9605	12.77	11.49	10.80	12.76	12.63
115.0570	12.77	11.52	10.77	12.79	12.63
115.1534	12.75	11.52	10.71	12.84	12.57
115.2499	12.72	11.53	10.68	12.82	12.51
115.3463	12.72	11.49	10.74	12.80	12.53
115.4427	12.72	11.47	10.81	12.81	12.58
115.5392	12.69	11.54	10.82	12.77	12.55
115.6356	12.65	11.56	10.83	12.78	12.55
115.7321	12.66	11.48	10.91	12.79	12.62
115.8285	12.69	11.45	10.96	12.75	12.67
115.9250	12.68	11.48	10.93	12.69	12.69
116.0214	12.67	11.49	10.89	12.75	12.66
116.1178	12.68	11.46	10.87	12.82	12.61

116.2143	12.72	11.40	10.83	12.81	12.60
116.3107	12.73	11.41	10.77	12.73	12.60
116.4072	12.71	11.49	10.74	12.77	12.53
116.5036	12.68	11.49	10.72	12.82	12.48
116.6001	12.69	11.44	10.72	12.79	12.46
116.6965	12.72	11.49	10.75	12.78	12.51
116.7929	12.70	11.56	10.81	12.78	12.56
116.8894	12.68	11.59	10.86	12.76	12.54
116.9858	12.67	11.58	10.89	12.78	12.57
117.0823	12.72	11.55	10.96	12.82	12.66
117.1787	12.74	11.58	11.01	12.79	12.69
117.2752	12.70	11.64	10.98	12.84	12.70
117.3716	12.71	11.59	10.96	12.87	12.68
117.4680	12.78	11.55	10.99	12.91	12.67
117.5645	12.79	11.62	10.92	12.91	12.69
117.6609	12.76	11.65	10.87	12.86	12.66
117.7574	12.76	11.65	10.85	12.85	12.62
117.8538	12.77	11.66	10.85	12.89	12.62
117.9503	12.80	11.65	10.84	12.82	12.62
118.0467	12.79	11.72	10.83	12.80	12.61
118.1432	12.76	11.77	10.86	12.88	12.61
118.2396	12.78	11.73	10.92	12.82	12.64
118.3360	12.81	11.72	10.94	12.83	12.70
118.4325	12.80	11.78	10.98	12.91	12.73
118.5289	12.79	11.77	11.06	12.96	12.73
118.6254	12.80	11.74	11.04	12.94	12.76
118.7218	12.84	11.72	11.06	12.96	12.80
118.8183	12.85	11.74	11.09	12.93	12.83
118.9147	12.83	11.77	11.06	12.93	12.79
119.0111	12.81	11.74	10.99	12.89	12.74
119.1076	12.84	11.68	10.99	12.86	12.73
119.2040	12.85	11.70	10.98	12.88	12.74
119.3005	12.83	11.75	10.91	12.84	12.68
119.3969	12.81	11.72	10.89	12.83	12.63
119.4934	12.82	11.69	10.92	12.90	12.63
119.5898	12.82	11.66	10.95	12.90	12.65
119.6862	12.80	11.69	10.92	12.85	12.65
119.7827	12.77	11.72	10.98	12.91	12.67
119.8791	12.77	11.65	11.03	12.92	12.70
119.9756	12.79	11.58	11.03	12.89	12.73
120.0720	12.78	11.64	11.03	12.86	12.76
120.1685	12.74	11.67	11.03	12.84	12.75
120.2649	12.73	11.60	10.99	12.83	12.72
120.3614	12.74	11.56	10.93	12.83	12.68
120.4578	12.76	11.57	10.90	12.81	12.63
120.5542	12.74	11.60	10.84	12.83	12.59
120.6507	12.69	11.60	10.77	12.83	12.53
120.7471	12.70	11.53	10.75	12.77	12.49
120.8436	12.74	11.51	10.77	12.82	12.50
120.9400	12.71	11.60	10.76	12.83	12.51
121.0365	12.67	11.55	10.75	12.79	12.53
121.1329	12.68	11.50	10.80	12.77	12.56
121.2293	12.69	11.49	10.87	12.79	12.60
121.3258	12.70	11.49	10.87	12.74	12.65
121.4222	12.67	11.52	10.83	12.76	12.66
121.5187	12.64	11.51	10.87	12.79	12.66
121.6151	12.68	11.44	10.87	12.77	12.64
121.7116	12.70	11.47	10.80	12.74	12.61
121.8080	12.68	11.52	10.75	12.77	12.57
121.9044	12.66	11.50	10.72	12.80	12.55
122.0009	12.70	11.48	10.69	12.77	12.52

122.0973	12.71	11.47	10.67	12.71	12.53
122.1938	12.69	11.50	10.67	12.71	12.53
122.2902	12.67	11.54	10.68	12.78	12.50
122.3867	12.69	11.50	10.70	12.76	12.50
122.4831	12.73	11.44	10.72	12.74	12.58
122.5795	12.73	11.52	10.79	12.78	12.64
122.6760	12.71	11.55	10.82	12.82	12.65
122.7724	12.72	11.50	10.82	12.84	12.64
122.8689	12.74	11.52	10.88	12.88	12.69
122.9653	12.76	11.56	10.89	12.86	12.73
123.0618	12.74	11.58	10.89	12.80	12.70
123.1582	12.72	11.61	10.87	12.81	12.65
123.2547	12.74	11.56	10.86	12.87	12.63
123.3511	12.78	11.56	10.86	12.84	12.64
123.4475	12.76	11.64	10.79	12.77	12.64
123.5440	12.76	11.65	10.77	12.81	12.60
123.6404	12.79	11.62	10.81	12.89	12.58
123.7369	12.81	11.61	10.80	12.92	12.61
123.8333	12.81	11.66	10.79	12.88	12.64
123.9298	12.79	11.70	10.87	12.92	12.65
124.0262	12.77	11.69	10.89	12.94	12.66
124.1226	12.80	11.63	10.93	12.94	12.69
124.2191	12.81	11.69	11.00	12.91	12.75
124.3155	12.78	11.78	11.01	12.93	12.78
124.4120	12.75	11.71	11.02	12.87	12.76
124.5084	12.77	11.69	11.03	12.84	12.73
124.6049	12.80	11.71	11.01	12.91	12.74
124.7013	12.81	11.72	10.95	12.89	12.71
124.7977	12.77	11.74	10.89	12.88	12.64
124.8942	12.78	11.70	10.87	12.88	12.61
124.9906	12.83	11.64	10.88	12.93	12.62
125.0871	12.82	11.70	10.82	12.91	12.61
125.1835	12.79	11.72	10.81	12.91	12.60
125.2800	12.79	11.63	10.91	12.89	12.63
125.3764	12.80	11.62	10.96	12.91	12.68
125.4729	12.80	11.66	10.94	12.84	12.73
125.5693	12.78	11.67	10.99	12.86	12.73
125.6657	12.74	11.67	11.05	12.91	12.74
125.7622	12.76	11.61	11.04	12.85	12.73
125.8586	12.77	11.59	11.00	12.80	12.74
125.9551	12.75	11.66	10.95	12.88	12.70
126.0515	12.73	11.63	10.90	12.89	12.61
126.1480	12.73	11.56	10.85	12.82	12.57
126.2444	12.75	11.57	10.79	12.84	12.58
126.3408	12.75	11.57	10.75	12.79	12.59
126.4373	12.73	11.57	10.73	12.78	12.54
126.5337	12.71	11.54	10.72	12.77	12.53
126.6302	12.75	11.46	10.77	12.80	12.56
126.7266	12.74	11.51	10.80	12.78	12.61
126.8231	12.69	11.58	10.80	12.77	12.60
126.9195	12.66	11.51	10.85	12.79	12.60
127.0159	12.69	11.48	10.91	12.86	12.62
127.1124	12.70	11.54	10.89	12.83	12.64
127.2088	12.67	11.55	10.87	12.77	12.60
127.3053	12.63	11.52	10.84	12.81	12.58
127.4017	12.65	11.51	10.82	12.80	12.57
127.4982	12.69	11.47	10.79	12.71	12.55
127.5946	12.68	11.52	10.71	12.71	12.55
127.6910	12.66	11.54	10.67	12.74	12.53
127.7875	12.67	11.46	10.65	12.71	12.50
127.8839	12.69	11.45	10.66	12.72	12.50

127.9804	12.70	11.48	10.70	12.74	12.52
128.0768	12.67	11.50	10.72	12.79	12.52
128.1733	12.65	11.51	10.73	12.80	12.52
128.2697	12.69	11.46	10.82	12.79	12.55
128.3662	12.69	11.50	10.90	12.79	12.61
128.4626	12.65	11.59	10.91	12.82	12.61
128.5590	12.64	11.56	10.92	12.79	12.59
128.6555	12.68	11.52	10.95	12.78	12.62
128.7519	12.71	11.54	10.96	12.77	12.67
128.8484	12.70	11.56	10.92	12.72	12.65
128.9448	12.69	11.56	10.85	12.76	12.58
129.0413	12.71	11.56	10.84	12.83	12.55
129.1377	12.76	11.50	10.83	12.83	12.57
129.2341	12.77	11.54	10.79	12.78	12.58
129.3306	12.75	11.60	10.81	12.84	12.54
129.4270	12.74	11.57	10.88	12.89	12.55
129.5235	12.78	11.53	10.94	12.89	12.60
129.6199	12.77	11.61	10.97	12.83	12.67
129.7164	12.75	11.67	11.05	12.83	12.71
129.8128	12.74	11.68	11.11	12.85	12.70
129.9092	12.73	11.66	11.12	12.86	12.68
130.0057	12.75	11.64	11.11	12.85	12.74
130.1021	12.76	11.72	11.09	12.83	12.75
130.1986	12.74	11.72	11.05	12.84	12.69
130.2950	12.76	11.66	10.98	12.88	12.65
130.3915	12.80	11.66	10.96	12.94	12.65
130.4879	12.81	11.69	10.90	12.90	12.64
130.5844	12.79	11.68	10.86	12.83	12.65
130.6808	12.79	11.67	10.87	12.84	12.63
130.7772	12.81	11.65	10.93	12.92	12.64
130.8737	12.82	11.66	10.93	12.86	12.66
130.9701	12.78	11.73	10.92	12.83	12.67
131.0666	12.73	11.74	11.00	12.86	12.70
131.1630	12.75	11.66	11.06	12.87	12.70
131.2595	12.77	11.68	11.02	12.86	12.70
131.3559	12.75	11.73	10.98	12.88	12.72
131.4523	12.73	11.67	11.01	12.91	12.71
131.5488	12.74	11.63	10.96	12.85	12.67
131.6452	12.77	11.59	10.89	12.83	12.67
131.7417	12.77	11.60	10.87	12.84	12.67
131.8381	12.76	11.62	10.81	12.87	12.63
131.9346	12.75	11.54	10.74	12.78	12.61
132.0310	12.77	11.49	10.76	12.74	12.60
132.1274	12.75	11.55	10.76	12.77	12.59
132.2239	12.72	11.59	10.73	12.80	12.56
132.3203	12.69	11.55	10.75	12.77	12.55
132.4168	12.70	11.52	10.82	12.80	12.56
132.5132	12.70	11.53	10.86	12.80	12.60
132.6097	12.67	11.56	10.85	12.77	12.59
132.7061	12.64	11.54	10.86	12.82	12.59
132.8025	12.67	11.46	10.90	12.82	12.59
132.8990	12.69	11.43	10.87	12.79	12.62
132.9954	12.69	11.47	10.79	12.72	12.64
133.0919	12.67	11.46	10.77	12.74	12.61
133.1883	12.68	11.41	10.73	12.76	12.55
133.2848	12.70	11.37	10.66	12.77	12.54
133.3812	12.70	11.40	10.64	12.68	12.53
133.4777	12.68	11.47	10.64	12.72	12.51
133.5741	12.65	11.46	10.64	12.77	12.48
133.6705	12.66	11.39	10.70	12.75	12.46
133.7670	12.67	11.46	10.74	12.75	12.50

133.8634	12.65	11.54	10.79	12.74	12.56
133.9599	12.60	11.51	10.83	12.72	12.57
134.0563	12.61	11.48	10.87	12.75	12.57
134.1528	12.67	11.47	10.91	12.79	12.61
134.2492	12.67	11.49	10.88	12.73	12.65
134.3456	12.65	11.53	10.83	12.76	12.63
134.4421	12.66	11.48	10.82	12.78	12.60
134.5385	12.72	11.43	10.82	12.82	12.58
134.6350	12.73	11.50	10.73	12.79	12.58
134.7314	12.70	11.52	10.70	12.77	12.55
134.8279	12.71	11.50	10.73	12.79	12.52
134.9243	12.74	11.51	10.76	12.82	12.55
135.0207	12.76	11.53	10.77	12.75	12.59
135.1172	12.74	11.59	10.81	12.78	12.61
135.2136	12.71	11.65	10.88	12.85	12.62
135.3101	12.72	11.58	10.97	12.84	12.64
135.4065	12.76	11.57	10.97	12.82	12.70
135.5030	12.76	11.66	10.99	12.87	12.75
135.5994	12.74	11.64	11.03	12.93	12.72
135.6958	12.77	11.60	10.98	12.91	12.67
135.7923	12.81	11.61	10.95	12.92	12.70
135.8887	12.82	11.63	10.93	12.89	12.73
135.9852	12.79	11.65	10.88	12.88	12.69
136.0816	12.80	11.66	10.85	12.85	12.62
136.1781	12.81	11.59	10.87	12.87	12.64
136.2745	12.81	11.65	10.84	12.84	12.68
136.3710	12.80	11.74	10.85	12.80	12.66
136.4674	12.79	11.71	10.90	12.84	12.64
136.5638	12.79	11.68	10.93	12.93	12.65
136.6603	12.79	11.69	10.96	12.91	12.68
136.7567	12.78	11.72	10.96	12.85	12.70
136.8532	12.74	11.71	11.02	12.91	12.70
136.9496	12.74	11.65	11.04	12.94	12.68
137.0461	12.78	11.59	10.98	12.90	12.67
137.1425	12.78	11.66	10.95	12.85	12.70
137.2389	12.74	11.67	10.95	12.88	12.70
137.3354	12.75	11.58	10.89	12.82	12.65
137.4318	12.76	11.55	10.84	12.80	12.61
137.5283	12.75	11.59	10.81	12.82	12.62
137.6247	12.74	11.63	10.77	12.81	12.58
137.7212	12.69	11.62	10.76	12.79	12.53
137.8176	12.70	11.55	10.78	12.79	12.52
137.9140	12.72	11.55	10.80	12.82	12.55
138.0105	12.69	11.64	10.81	12.81	12.54
138.1069	12.65	11.58	10.82	12.78	12.55
138.2034	12.65	11.51	10.88	12.76	12.59
138.2998	12.67	11.50	10.92	12.78	12.62
138.3963	12.68	11.52	10.88	12.74	12.63
138.4927	12.65	11.52	10.85	12.77	12.61
138.5892	12.64	11.48	10.85	12.78	12.60
138.6856	12.68	11.40	10.82	12.73	12.58
138.7820	12.67	11.43	10.74	12.68	12.55
138.8785	12.64	11.50	10.69	12.76	12.49
138.9749	12.64	11.45	10.69	12.78	12.44
139.0714	12.66	11.41	10.69	12.71	12.44
139.1678	12.67	11.44	10.68	12.66	12.50
139.2643	12.65	11.50	10.69	12.70	12.50
139.3607	12.62	11.49	10.75	12.74	12.47
139.4571	12.62	11.46	10.78	12.72	12.52
139.5536	12.66	11.43	10.82	12.70	12.59
139.6500	12.66	11.50	10.86	12.70	12.62

139.7465	12.62	11.53	10.86	12.76	12.61
139.8429	12.64	11.45	10.84	12.76	12.56
139.9394	12.67	11.46	10.86	12.82	12.56
140.0358	12.67	11.51	10.82	12.76	12.59
140.1322	12.65	11.52	10.77	12.73	12.55
140.2287	12.65	11.54	10.75	12.79	12.48
140.3251	12.69	11.52	10.75	12.83	12.49
140.4216	12.71	11.53	10.74	12.72	12.54
140.5180	12.70	11.63	10.71	12.69	12.54
140.6145	12.68	11.65	10.75	12.77	12.55
140.7109	12.70	11.57	10.80	12.79	12.56
140.8073	12.73	11.61	10.81	12.80	12.59
140.9038	12.73	11.67	10.83	12.80	12.63
141.0002	12.70	11.64	10.93	12.87	12.64
141.0967	12.71	11.63	10.94	12.90	12.64
141.1931	12.75	11.60	10.95	12.89	12.66
141.2896	12.77	11.64	10.98	12.88	12.68
141.3860	12.73	11.70	10.97	12.92	12.69
141.4825	12.74	11.65	10.92	12.86	12.63
141.5789	12.77	11.62	10.93	12.84	12.64
141.6753	12.79	11.69	10.91	12.86	12.67
141.7718	12.77	11.70	10.84	12.82	12.65
141.8682	12.75	11.70	10.81	12.81	12.60
141.9647	12.77	11.67	10.86	12.85	12.61
142.0611	12.80	11.63	10.89	12.83	12.63
142.1576	12.78	11.69	10.85	12.83	12.65
142.2540	12.75	11.69	10.91	12.91	12.64
142.3504	12.76	11.61	11.00	12.89	12.65
142.4469	12.78	11.59	11.01	12.89	12.72
142.5433	12.77	11.64	11.00	12.84	12.76
142.6398	12.77	11.65	11.03	12.87	12.74
142.7362	12.74	11.64	11.03	12.89	12.70
142.8327	12.75	11.56	10.98	12.85	12.67
142.9291	12.75	11.58	10.93	12.78	12.68
143.0255	12.75	11.67	10.89	12.82	12.65
143.1220	12.72	11.64	10.84	12.82	12.58
143.2184	12.74	11.54	10.80	12.80	12.52
143.3149	12.74	11.57	10.80	12.83	12.56
143.4113	12.75	11.61	10.79	12.78	12.58
143.5078	12.71	11.57	10.79	12.78	12.57
143.6042	12.70	11.52	10.83	12.80	12.58
143.7007	12.73	11.48	10.88	12.82	12.63
143.7971	12.72	11.53	10.88	12.78	12.67
143.8935	12.67	11.57	10.87	12.78	12.65
143.9900	12.65	11.49	10.90	12.77	12.63
144.0864	12.67	11.44	10.88	12.81	12.62
144.1829	12.67	11.51	10.83	12.78	12.58
144.2793	12.65	11.52	10.78	12.75	12.54
144.3758	12.63	11.49	10.74	12.77	12.51
144.4722	12.65	11.46	10.72	12.77	12.48
144.5686	12.69	11.44	10.66	12.72	12.47
144.6651	12.67	11.48	10.64	12.71	12.50
144.7615	12.65	11.49	10.64	12.76	12.50
144.8580	12.66	11.39	10.66	12.70	12.51
144.9544	12.68	11.38	10.68	12.70	12.55
145.0509	12.68	11.46	10.72	12.74	12.57
145.1473	12.65	11.45	10.74	12.80	12.57
145.2437	12.64	11.42	10.78	12.76	12.57
145.3402	12.68	11.41	10.82	12.77	12.59
145.4366	12.68	11.45	10.82	12.75	12.62
145.5331	12.64	11.51	10.81	12.78	12.59

145.6295	12.63	11.49	10.76	12.76	12.53
145.7260	12.67	11.44	10.77	12.76	12.53
145.8224	12.69	11.48	10.76	12.73	12.58
145.9188	12.68	11.54	10.68	12.69	12.57
146.0153	12.67	11.49	10.66	12.72	12.53
146.1117	12.69	11.47	10.70	12.78	12.52
146.2082	12.73	11.45	10.70	12.75	12.56
146.3046	12.73	11.51	10.70	12.70	12.60
146.4011	12.69	11.56	10.77	12.79	12.58
146.4975	12.71	11.51	10.82	12.86	12.56
146.5940	12.72	11.49	10.86	12.84	12.61
146.6904	12.72	11.58	10.91	12.76	12.67
146.7868	12.70	11.65	10.96	12.80	12.69
146.8833	12.68	11.59	10.96	12.81	12.65
146.9797	12.69	11.59	10.95	12.82	12.62
147.0762	12.73	11.61	10.95	12.81	12.66
147.1726	12.73	11.66	10.94	12.79	12.67
147.2691	12.71	11.65	10.88	12.80	12.61
147.3655	12.73	11.60	10.84	12.84	12.57
147.4619	12.78	11.59	10.87	12.89	12.57
147.5584	12.78	11.65	10.82	12.85	12.59
147.6548	12.74	11.66	10.82	12.81	12.59
147.7513	12.74	11.62	10.89	12.85	12.59
147.8477	12.77	11.62	10.92	12.90	12.63
147.9442	12.76	11.65	10.94	12.81	12.67
148.0406	12.73	11.71	10.99	12.83	12.69
148.1370	12.71	11.69	11.03	12.87	12.70
148.2335	12.74	11.61	11.04	12.84	12.69
148.3299	12.74	11.65	11.01	12.81	12.71
148.4264	12.74	11.71	10.97	12.88	12.68
148.5228	12.72	11.65	10.96	12.88	12.63
148.6193	12.73	11.60	10.89	12.82	12.59
148.7157	12.76	11.60	10.83	12.83	12.59
148.8122	12.75	11.62	10.82	12.82	12.59
148.9086	12.73	11.61	10.78	12.84	12.56
149.0050	12.73	11.56	10.76	12.77	12.54
149.1015	12.74	11.51	10.83	12.76	12.60
149.1979	12.73	11.59	10.82	12.77	12.63
149.2944	12.70	11.62	10.84	12.79	12.61
149.3908	12.69	11.55	10.90	12.77	12.61
149.4873	12.70	11.53	10.92	12.83	12.63
149.5837	12.68	11.56	10.93	12.78	12.65
149.6801	12.66	11.57	10.90	12.76	12.60
149.7766	12.64	11.56	10.86	12.82	12.56
149.8730	12.66	11.48	10.85	12.80	12.55
149.9695	12.68	11.47	10.80	12.72	12.55
150.0659	12.67	11.55	10.71	12.70	12.54
150.1624	12.65	11.51	10.70	12.73	12.51
150.2588	12.65	11.42	10.67	12.71	12.50
150.3552	12.67	11.43	10.65	12.71	12.50
150.4517	12.68	11.48	10.66	12.67	12.50
150.5481	12.64	11.50	10.69	12.73	12.50
150.6446	12.61	11.48	10.71	12.74	12.49
150.7410	12.63	11.41	10.77	12.75	12.50
150.8375	12.64	11.46	10.80	12.76	12.54
150.9339	12.61	11.53	10.84	12.77	12.55
151.0303	12.58	11.47	10.84	12.71	12.55
151.1268	12.61	11.42	10.84	12.73	12.56
151.2232	12.64	11.46	10.85	12.74	12.58
151.3197	12.65	11.48	10.80	12.71	12.56
151.4161	12.63	11.48	10.74	12.72	12.52

151.5126	12.64	11.42	10.73	12.71	12.50
151.6090	12.69	11.37	10.73	12.71	12.52
151.7055	12.69	11.45	10.67	12.70	12.49
151.8019	12.64	11.48	10.68	12.78	12.45
151.8983	12.66	11.45	10.74	12.78	12.46
151.9948	12.67	11.45	10.78	12.78	12.52
152.0912	12.68	11.50	10.82	12.71	12.56
152.1877	12.66	11.56	10.87	12.78	12.59
152.2841	12.64	11.56	10.93	12.82	12.59
152.3806	12.66	11.50	10.97	12.76	12.61
152.4770	12.70	11.52	10.96	12.73	12.68
152.5734	12.69	11.61	10.95	12.80	12.68
152.6699	12.69	11.58	10.95	12.82	12.61
152.7663	12.72	11.51	10.88	12.80	12.59
152.8628	12.75	11.54	10.85	12.83	12.61
152.9592	12.76	11.57	10.85	12.81	12.62
153.0557	12.74	11.58	10.80	12.83	12.57
153.1521	12.75	11.60	10.80	12.86	12.53
153.2485	12.77	11.56	10.86	12.90	12.59
153.3450	12.77	11.62	10.88	12.82	12.64
153.4414	12.74	11.71	10.90	12.80	12.63
153.5379	12.73	11.66	10.95	12.86	12.65
153.6343	12.74	11.62	11.01	12.90	12.67
153.7308	12.75	11.66	11.00	12.85	12.69
153.8272	12.74	11.69	10.99	12.83	12.72
153.9237	12.72	11.65	11.00	12.88	12.69
154.0201	12.74	11.63	10.96	12.90	12.65
154.1165	12.78	11.59	10.90	12.87	12.67
154.2130	12.78	11.63	10.89	12.84	12.67
154.3094	12.75	11.67	10.86	12.86	12.64
154.4059	12.76	11.57	10.80	12.82	12.60
154.5023	12.76	11.55	10.79	12.82	12.61
154.5988	12.77	11.63	10.80	12.82	12.61
154.6952	12.74	11.65	10.80	12.81	12.58
154.7916	12.69	11.62	10.80	12.78	12.57
154.8881	12.71	11.56	10.85	12.82	12.59
154.9845	12.72	11.57	10.88	12.83	12.61
155.0810	12.69	11.64	10.87	12.84	12.61
155.1774	12.67	11.57	10.88	12.81	12.62
155.2739	12.69	11.48	10.91	12.78	12.63
155.3703	12.70	11.49	10.87	12.79	12.66
155.4667	12.71	11.53	10.81	12.76	12.66
155.5632	12.70	11.49	10.80	12.77	12.61
155.6596	12.67	11.45	10.77	12.76	12.57
155.7561	12.70	11.38	10.70	12.73	12.56
155.8525	12.68	11.44	10.65	12.66	12.54
155.9490	12.66	11.52	10.66	12.76	12.47
156.0454	12.65	11.46	10.66	12.75	12.45
156.1418	12.65	11.40	10.68	12.71	12.46
156.2383	12.64	11.47	10.70	12.71	12.49
156.3347	12.62	11.51	10.76	12.74	12.50
156.4312	12.59	11.47	10.78	12.73	12.51
156.5276	12.60	11.41	10.81	12.72	12.53
156.6241	12.63	11.37	10.84	12.71	12.59
156.7205	12.63	11.47	10.83	12.69	12.61
156.8170	12.61	11.46	10.79	12.72	12.58
156.9134	12.62	11.36	10.78	12.71	12.53
157.0098	12.65	11.36	10.75	12.76	12.53
157.1063	12.67	11.43	10.68	12.72	12.53
157.2027	12.64	11.45	10.67	12.69	12.49
157.2992	12.63	11.46	10.66	12.74	12.44

157.3956	12.65	11.43	10.67	12.80	12.45
157.4921	12.66	11.47	10.69	12.70	12.46
157.5885	12.64	11.58	10.73	12.71	12.48
157.6849	12.62	11.54	10.78	12.77	12.53
157.7814	12.64	11.47	10.84	12.74	12.55
157.8778	12.67	11.51	10.85	12.74	12.59
157.9743	12.67	11.58	10.88	12.76	12.64
158.0707	12.66	11.55	10.92	12.80	12.64
158.1672	12.67	11.52	10.86	12.81	12.62
158.2636	12.73	11.52	10.87	12.81	12.63
158.3600	12.74	11.58	10.85	12.79	12.65
158.4565	12.69	11.62	10.81	12.83	12.62
158.5529	12.71	11.59	10.78	12.76	12.55
158.6494	12.73	11.56	10.80	12.78	12.57
158.7458	12.74	11.64	10.79	12.79	12.60
158.8423	12.73	11.69	10.79	12.77	12.59
158.9387	12.72	11.66	10.83	12.77	12.57
159.0352	12.73	11.62	10.90	12.84	12.60
159.1316	12.75	11.63	10.93	12.81	12.65
159.2280	12.75	11.69	10.91	12.81	12.67
159.3245	12.73	11.68	10.99	12.91	12.67
159.4209	12.75	11.58	11.02	12.91	12.67
159.5174	12.76	11.59	10.97	12.87	12.70
159.6138	12.76	11.68	10.95	12.79	12.73
159.7103	12.75	11.66	10.95	12.83	12.70
159.8067	12.74	11.62	10.91	12.84	12.63
159.9031	12.74	11.59	10.88	12.81	12.61
159.9996	12.75	11.64	10.85	12.75	12.63
160.0960	12.73	11.71	10.83	12.79	12.60
160.1925	12.72	11.66	10.83	12.78	12.54
160.2889	12.72	11.57	10.84	12.82	12.54
160.3854	12.72	11.62	10.84	12.85	12.57
160.4818	12.72	11.68	10.86	12.84	12.57
160.5782	12.68	11.62	10.89	12.80	12.58
160.6747	12.68	11.53	10.92	12.83	12.60
160.7711	12.71	11.53	10.95	12.85	12.63
160.8676	12.71	11.59	10.91	12.76	12.66
160.9640	12.66	11.59	10.89	12.75	12.65
161.0605	12.65	11.51	10.90	12.76	12.62
161.1569	12.67	11.46	10.86	12.76	12.59
161.2533	12.67	11.53	10.78	12.72	12.56
161.3498	12.65	11.56	10.74	12.75	12.51
161.4462	12.64	11.51	10.72	12.75	12.48
161.5427	12.65	11.45	10.71	12.72	12.47
161.6391	12.65	11.48	10.67	12.72	12.47
161.7356	12.64	11.53	10.68	12.75	12.45
161.8320	12.61	11.49	10.73	12.76	12.46
161.9285	12.61	11.40	10.75	12.68	12.50
162.0249	12.63	11.41	10.76	12.68	12.55
162.1213	12.64	11.49	10.79	12.72	12.57
162.2178	12.61	11.47	10.80	12.73	12.57
162.3142	12.61	11.40	10.78	12.68	12.56
162.4107	12.63	11.40	10.79	12.71	12.58
162.5071	12.64	11.45	10.75	12.69	12.56
162.6036	12.60	11.48	10.69	12.72	12.51
162.7000	12.62	11.46	10.67	12.71	12.46
162.7964	12.65	11.39	10.67	12.72	12.49
162.8929	12.66	11.45	10.66	12.67	12.50
162.9893	12.65	11.54	10.62	12.69	12.49
163.0858	12.65	11.45	10.64	12.72	12.48
163.1822	12.65	11.40	10.72	12.74	12.50

163.2787	12.67	11.44	10.70	12.70	12.54
163.3751	12.68	11.51	10.73	12.69	12.57
163.4715	12.65	11.51	10.81	12.80	12.57
163.5680	12.66	11.46	10.82	12.83	12.57
163.6644	12.69	11.45	10.82	12.80	12.59
163.7609	12.69	11.55	10.86	12.78	12.63
163.8573	12.65	11.58	10.85	12.82	12.62
163.9538	12.67	11.51	10.81	12.76	12.57
164.0502	12.69	11.51	10.80	12.79	12.58
164.1466	12.72	11.58	10.81	12.79	12.60
164.2431	12.71	11.62	10.78	12.75	12.57
164.3395	12.69	11.60	10.73	12.76	12.55
164.4360	12.71	11.54	10.77	12.80	12.55
164.5324	12.74	11.56	10.80	12.82	12.57
164.6289	12.73	11.65	10.78	12.81	12.57
164.7253	12.70	11.61	10.83	12.84	12.58
164.8218	12.72	11.55	10.90	12.87	12.61
164.9182	12.74	11.57	10.93	12.90	12.66
165.0146	12.75	11.63	10.94	12.83	12.68
165.1111	12.72	11.64	10.99	12.86	12.70
165.2075	12.71	11.62	10.99	12.86	12.69
165.3040	12.73	11.57	10.98	12.80	12.66
165.4004	12.74	11.62	10.92	12.78	12.67
165.4969	12.73	11.70	10.89	12.85	12.64
165.5933	12.73	11.62	10.87	12.81	12.57
165.6897	12.75	11.56	10.81	12.79	12.57
165.7862	12.74	11.59	10.79	12.81	12.59
165.8826	12.75	11.62	10.81	12.81	12.57
165.9791	12.73	11.59	10.81	12.84	12.56
166.0755	12.73	11.52	10.84	12.83	12.58
166.1720	12.74	11.49	10.90	12.81	12.63
166.2684	12.73	11.59	10.90	12.80	12.68
166.3648	12.70	11.60	10.94	12.81	12.66
166.4613	12.69	11.50	10.96	12.79	12.63
166.5577	12.69	11.51	10.94	12.83	12.65
166.6542	12.68	11.56	10.90	12.76	12.64
166.7506	12.67	11.56	10.87	12.75	12.59
166.8471	12.66	11.54	10.82	12.80	12.55
166.9435	12.68	11.47	10.78	12.79	12.52
167.0400	12.70	11.47	10.72	12.73	12.53
167.1364	12.68	11.54	10.70	12.72	12.52
167.2328	12.66	11.50	10.71	12.74	12.51
167.3293	12.67	11.40	10.71	12.74	12.51
167.4257	12.67	11.42	10.71	12.75	12.54
167.5222	12.67	11.50	10.74	12.71	12.54
167.6186	12.64	11.49	10.78	12.74	12.57
167.7151	12.61	11.43	10.80	12.75	12.54
167.8115	12.63	11.41	10.80	12.75	12.54
167.9079	12.63	11.48	10.81	12.76	12.55
168.0044	12.59	11.52	10.81	12.77	12.53
168.1008	12.59	11.46	10.76	12.69	12.49
168.1973	12.60	11.40	10.74	12.70	12.51
168.2937	12.63	11.46	10.72	12.72	12.50
168.3902	12.63	11.48	10.65	12.68	12.48
168.4866	12.62	11.44	10.62	12.68	12.47
168.5830	12.63	11.38	10.66	12.69	12.47
168.6795	12.66	11.37	10.65	12.68	12.48
168.7759	12.64	11.46	10.62	12.68	12.49
168.8724	12.62	11.47	10.71	12.76	12.47
168.9688	12.63	11.40	10.77	12.76	12.49
169.0653	12.64	11.41	10.79	12.75	12.53

169.1617	12.65	11.51	10.82	12.70	12.55
169.2581	12.62	11.51	10.87	12.77	12.58
169.3546	12.61	11.50	10.90	12.75	12.54
169.4510	12.62	11.45	10.89	12.72	12.55
169.5475	12.66	11.49	10.88	12.68	12.60
169.6439	12.66	11.58	10.86	12.73	12.59
169.7404	12.66	11.53	10.81	12.73	12.53
169.8368	12.69	11.44	10.80	12.75	12.51
169.9333	12.70	11.50	10.80	12.78	12.54
170.0297	12.71	11.58	10.76	12.75	12.55
170.1261	12.69	11.55	10.77	12.75	12.54
170.2226	12.69	11.54	10.84	12.81	12.53
170.3190	12.72	11.55	10.89	12.85	12.57
170.4155	12.72	11.62	10.89	12.74	12.62
170.5119	12.68	11.67	10.95	12.76	12.64
170.6084	12.68	11.61	11.01	12.81	12.63
170.7048	12.70	11.58	11.02	12.82	12.65
170.8012	12.70	11.65	10.98	12.77	12.67
170.8977	12.70	11.68	10.98	12.79	12.67
170.9941	12.70	11.62	10.98	12.84	12.62
171.0906	12.72	11.59	10.90	12.86	12.59
171.1870	12.75	11.59	10.85	12.83	12.59
171.2835	12.74	11.64	10.84	12.82	12.60
171.3799	12.73	11.65	10.80	12.84	12.57
171.4763	12.73	11.56	10.80	12.78	12.57
171.5728	12.74	11.59	10.84	12.81	12.58
171.6692	12.74	11.67	10.84	12.81	12.62
171.7657	12.71	11.66	10.87	12.78	12.63
171.8621	12.68	11.61	10.93	12.75	12.61
171.9586	12.70	11.58	10.94	12.82	12.63
172.0550	12.70	11.62	10.95	12.80	12.65
172.1515	12.67	11.65	10.92	12.82	12.62
172.2479	12.67	11.59	10.91	12.84	12.59
172.3443	12.70	11.50	10.89	12.82	12.58
172.4408	12.70	11.54	10.82	12.79	12.60
172.5372	12.70	11.58	10.75	12.74	12.59
172.6337	12.70	11.50	10.74	12.76	12.54
172.7301	12.69	11.47	10.73	12.76	12.53
172.8266	12.69	11.45	10.69	12.72	12.54
172.9230	12.68	11.50	10.68	12.67	12.54
173.0194	12.66	11.55	10.71	12.74	12.53
173.1159	12.65	11.47	10.76	12.73	12.52
173.2123	12.65	11.41	10.79	12.72	12.53
173.3088	12.64	11.50	10.79	12.74	12.56
173.4052	12.62	11.53	10.82	12.77	12.55
173.5017	12.60	11.43	10.84	12.72	12.53
173.5981	12.61	11.39	10.81	12.75	12.54
173.6945	12.63	11.41	10.81	12.73	12.56
173.7910	12.63	11.46	10.77	12.70	12.56
173.8874	12.61	11.43	10.69	12.69	12.51
173.9839	12.62	11.34	10.70	12.70	12.48
174.0803	12.65	11.36	10.66	12.72	12.48
174.1768	12.63	11.46	10.59	12.68	12.46
174.2732	12.61	11.45	10.60	12.66	12.44
174.3696	12.60	11.40	10.65	12.72	12.45
174.4661	12.61	11.39	10.67	12.74	12.47
174.5625	12.63	11.44	10.69	12.66	12.48
174.6590	12.60	11.49	10.75	12.72	12.51
174.7554	12.59	11.45	10.81	12.73	12.54
174.8519	12.61	11.38	10.85	12.68	12.56
174.9483	12.63	11.45	10.81	12.70	12.59

175.0448	12.63	11.51	10.83	12.77	12.60
175.1412	12.64	11.46	10.81	12.74	12.57
175.2376	12.65	11.42	10.75	12.73	12.56
175.3341	12.69	11.44	10.74	12.76	12.55
175.4305	12.69	11.50	10.71	12.76	12.54
175.5270	12.66	11.52	10.68	12.78	12.50
175.6234	12.69	11.49	10.69	12.75	12.48
175.7199	12.70	11.47	10.75	12.77	12.55
175.8163	12.71	11.56	10.76	12.75	12.57
175.9127	12.69	11.60	10.79	12.77	12.57
176.0092	12.70	11.55	10.85	12.78	12.59
176.1056	12.70	11.54	10.92	12.82	12.64
176.2021	12.71	11.58	10.92	12.75	12.66
176.2985	12.70	11.63	10.91	12.80	12.68
176.3950	12.71	11.61	10.94	12.88	12.65
176.4914	12.74	11.55	10.92	12.87	12.63
176.5878	12.75	11.56	10.87	12.82	12.64
176.6843	12.74	11.65	10.84	12.81	12.64
176.7807	12.74	11.62	10.84	12.85	12.61
176.8772	12.74	11.57	10.81	12.84	12.57
176.9736	12.75	11.58	10.80	12.84	12.58
177.0701	12.75	11.66	10.80	12.79	12.61
177.1665	12.74	11.68	10.83	12.80	12.60
177.2630	12.72	11.62	10.83	12.81	12.59
177.3594	12.73	11.59	10.87	12.84	12.61
177.4558	12.73	11.64	10.89	12.83	12.62
177.5523	12.70	11.69	10.91	12.82	12.63
177.6487	12.68	11.61	10.90	12.81	12.64
177.7452	12.70	11.54	10.92	12.84	12.62
177.8416	12.72	11.58	10.92	12.86	12.64
177.9381	12.71	11.61	10.85	12.79	12.64
178.0345	12.68	11.58	10.83	12.78	12.61
178.1309	12.69	11.53	10.82	12.78	12.58
178.2274	12.69	11.50	10.77	12.78	12.56
178.3238	12.68	11.58	10.71	12.73	12.52
178.4203	12.66	11.60	10.72	12.76	12.50
178.5167	12.65	11.51	10.74	12.74	12.48
178.6132	12.65	11.49	10.72	12.73	12.49
178.7096	12.65	11.52	10.72	12.71	12.51
178.8060	12.64	11.55	10.78	12.75	12.51
178.9025	12.62	11.49	10.81	12.74	12.53
178.9989	12.62	11.40	10.81	12.70	12.56
179.0954	12.64	11.42	10.83	12.69	12.59
179.1918	12.63	11.50	10.82	12.73	12.60
179.2883	12.61	11.45	10.80	12.73	12.58
179.3847	12.62	11.36	10.78	12.67	12.53
179.4811	12.63	11.38	10.75	12.72	12.52
179.5776	12.61	11.44	10.70	12.69	12.50
179.6740	12.60	11.45	10.67	12.69	12.43
179.7705	12.60	11.42	10.65	12.72	12.40
179.8669	12.61	11.37	10.67	12.72	12.42
179.9634	12.62	11.44	10.66	12.62	12.43
180.0598	12.60	11.50	10.66	12.67	12.44
180.1563	12.59	11.44	10.74	12.70	12.46
180.2527	12.61	11.37	10.77	12.70	12.50
180.3491	12.62	11.43	10.75	12.67	12.55
180.4456	12.62	11.50	10.80	12.67	12.58
180.5420	12.60	11.47	10.83	12.74	12.58
180.6385	12.61	11.42	10.79	12.77	12.54
180.7349	12.64	11.42	10.79	12.74	12.53
180.8314	12.64	11.52	10.78	12.76	12.54

180.9278	12.61	11.54	10.74	12.76	12.51
181.0242	12.63	11.47	10.73	12.71	12.44
181.1207	12.65	11.48	10.72	12.75	12.47
181.2171	12.67	11.58	10.72	12.74	12.50
181.3136	12.66	11.60	10.72	12.71	12.49
181.4100	12.64	11.55	10.74	12.73	12.50
181.5065	12.67	11.52	10.81	12.77	12.55
181.6029	12.70	11.55	10.81	12.75	12.59
181.6993	12.69	11.61	10.81	12.78	12.61
181.7958	12.67	11.57	10.89	12.81	12.62
181.8922	12.70	11.52	10.92	12.84	12.63
181.9887	12.71	11.56	10.90	12.84	12.65
182.0851	12.72	11.63	10.90	12.79	12.65
182.1816	12.69	11.62	10.92	12.81	12.64
182.2780	12.68	11.59	10.89	12.82	12.59
182.3745	12.70	11.57	10.87	12.76	12.58
182.4709	12.73	11.64	10.84	12.72	12.61
182.5673	12.71	11.70	10.82	12.81	12.58
182.6638	12.71	11.61	10.85	12.78	12.54
182.7602	12.73	11.53	10.83	12.78	12.56
182.8567	12.73	11.62	10.84	12.80	12.61
182.9531	12.74	11.64	10.87	12.82	12.61
183.0496	12.72	11.56	10.91	12.83	12.61
183.1460	12.72	11.52	10.95	12.85	12.62
183.2424	12.73	11.53	10.96	12.82	12.67
183.3389	12.73	11.61	10.94	12.79	12.70
183.4353	12.69	11.60	10.96	12.79	12.67
183.5318	12.69	11.51	10.96	12.78	12.63
183.6282	12.70	11.52	10.91	12.81	12.62
183.7247	12.69	11.61	10.86	12.73	12.60
183.8211	12.67	11.60	10.80	12.73	12.57
183.9175	12.66	11.54	10.79	12.82	12.50
184.0140	12.69	11.50	10.77	12.80	12.48
184.1104	12.68	11.53	10.72	12.73	12.50
184.2069	12.66	11.58	10.73	12.76	12.50
184.3033	12.64	11.51	10.78	12.78	12.50
184.3998	12.65	11.42	10.78	12.75	12.52
184.4962	12.66	11.46	10.77	12.75	12.56
184.5926	12.65	11.53	10.81	12.74	12.60
184.6891	12.62	11.48	10.83	12.73	12.60
184.7855	12.60	11.42	10.82	12.70	12.57
184.8820	12.62	11.42	10.80	12.72	12.56
184.9784	12.63	11.48	10.78	12.73	12.55
185.0749	12.60	11.50	10.74	12.72	12.50
185.1713	12.61	11.41	10.68	12.70	12.45
185.2678	12.62	11.38	10.69	12.72	12.47
185.3642	12.63	11.45	10.64	12.71	12.46
185.4606	12.63	11.46	10.59	12.68	12.45
185.5571	12.62	11.39	10.61	12.69	12.46
185.6535	12.63	11.34	10.68	12.71	12.49
185.7500	12.64	11.37	10.64	12.67	12.52
185.8464	12.64	11.44	10.66	12.67	12.52
185.9429	12.61	11.42	10.73	12.75	12.54
186.0393	12.63	11.35	10.76	12.72	12.54
186.1357	12.63	11.37	10.77	12.69	12.56
186.2322	12.63	11.47	10.76	12.70	12.57
186.3286	12.61	11.47	10.79	12.75	12.55
186.4251	12.61	11.42	10.76	12.72	12.49
186.5215	12.62	11.40	10.74	12.71	12.52
186.6180	12.66	11.47	10.73	12.68	12.54
186.7144	12.64	11.53	10.69	12.71	12.53

186.8108	12.64	11.46	10.67	12.71	12.49
186.9073	12.66	11.39	10.70	12.72	12.50
187.0037	12.68	11.46	10.72	12.73	12.51
187.1002	12.67	11.54	10.70	12.74	12.53
187.1966	12.67	11.49	10.75	12.74	12.53
187.2931	12.67	11.45	10.84	12.81	12.56
187.3895	12.68	11.50	10.86	12.83	12.59
187.4860	12.68	11.57	10.88	12.74	12.61
187.5824	12.65	11.59	10.91	12.79	12.62
187.6788	12.65	11.55	10.93	12.81	12.61
187.7753	12.67	11.52	10.94	12.76	12.61
187.8717	12.69	11.62	10.88	12.75	12.62
187.9682	12.69	11.64	10.86	12.79	12.60
188.0646	12.68	11.57	10.84	12.77	12.56
188.1611	12.70	11.55	10.80	12.79	12.55
188.2575	12.73	11.58	10.78	12.80	12.54
188.3539	12.72	11.62	10.80	12.81	12.54
188.4504	12.70	11.60	10.79	12.82	12.54
188.5468	12.72	11.52	10.83	12.79	12.56
188.6433	12.72	11.56	10.89	12.81	12.60
188.7397	12.71	11.65	10.91	12.83	12.63
188.8362	12.70	11.60	10.96	12.81	12.64
188.9326	12.68	11.56	10.97	12.79	12.65
189.0290	12.69	11.57	10.98	12.81	12.66
189.1255	12.70	11.61	10.96	12.76	12.66
189.2219	12.69	11.63	10.92	12.80	12.62
189.3184	12.70	11.57	10.87	12.82	12.58
189.4148	12.71	11.51	10.85	12.80	12.56
189.5113	12.71	11.55	10.79	12.76	12.56
189.6077	12.70	11.59	10.74	12.76	12.54
189.7041	12.70	11.52	10.76	12.76	12.52
189.8006	12.69	11.47	10.75	12.78	12.53
189.8970	12.69	11.49	10.76	12.74	12.55
189.9935	12.68	11.56	10.80	12.70	12.56
190.0899	12.65	11.55	10.83	12.78	12.57
190.1864	12.64	11.46	10.85	12.76	12.55
190.2828	12.64	11.46	10.85	12.74	12.56
190.3793	12.63	11.55	10.87	12.75	12.58
190.4757	12.61	11.55	10.85	12.75	12.56
190.5721	12.61	11.45	10.80	12.72	12.50
190.6686	12.62	11.43	10.75	12.75	12.51
190.7650	12.63	11.49	10.74	12.71	12.52
190.8615	12.62	11.50	10.67	12.67	12.50
190.9579	12.60	11.45	10.63	12.65	12.47
191.0544	12.62	11.38	10.66	12.68	12.47
191.1508	12.63	11.40	10.64	12.69	12.47
191.2472	12.62	11.48	10.63	12.67	12.45
191.3437	12.60	11.46	10.68	12.68	12.46
191.4401	12.60	11.39	10.74	12.73	12.47
191.5366	12.60	11.39	10.74	12.73	12.48
191.6330	12.59	11.47	10.77	12.68	12.49
191.7295	12.57	11.50	10.81	12.73	12.52
191.8259	12.57	11.43	10.82	12.71	12.50
191.9223	12.58	11.37	10.79	12.67	12.51
192.0188	12.60	11.45	10.77	12.66	12.54
192.1152	12.60	11.50	10.76	12.71	12.53
192.2117	12.61	11.42	10.72	12.67	12.49
192.3081	12.62	11.36	10.68	12.66	12.49
192.4046	12.64	11.42	10.68	12.70	12.49
192.5010	12.65	11.47	10.68	12.72	12.47
192.5975	12.63	11.45	10.69	12.74	12.43

192.6939	12.64	11.42	10.73	12.74	12.46
192.7903	12.66	11.42	10.78	12.75	12.51
192.8868	12.65	11.53	10.80	12.72	12.54
192.9832	12.62	11.56	10.85	12.75	12.54
193.0797	12.63	11.49	10.91	12.77	12.55
193.1761	12.65	11.49	10.93	12.78	12.60
193.2726	12.67	11.57	10.90	12.70	12.64
193.3690	12.67	11.59	10.90	12.74	12.63
193.4654	12.68	11.55	10.91	12.80	12.58
193.5619	12.70	11.50	10.83	12.81	12.58
193.6583	12.72	11.53	10.79	12.76	12.58
193.7548	12.71	11.61	10.79	12.79	12.57
193.8512	12.70	11.59	10.78	12.82	12.55
193.9477	12.72	11.54	10.78	12.80	12.53
194.0441	12.72	11.57	10.80	12.79	12.56
194.1405	12.72	11.68	10.83	12.78	12.59
194.2370	12.69	11.67	10.86	12.77	12.61
194.3334	12.68	11.60	10.90	12.80	12.59
194.4299	12.69	11.60	10.93	12.83	12.62
194.5263	12.71	11.66	10.93	12.80	12.65
194.6228	12.68	11.67	10.92	12.81	12.65
194.7192	12.69	11.58	10.92	12.82	12.62
194.8156	12.72	11.54	10.91	12.85	12.62
194.9121	12.73	11.60	10.83	12.85	12.64
195.0085	12.73	11.61	10.80	12.78	12.61
195.1050	12.71	11.57	10.78	12.78	12.58
195.2014	12.70	11.51	10.77	12.80	12.58
195.2979	12.71	11.52	10.75	12.75	12.57
195.3943	12.71	11.60	10.73	12.72	12.55
195.4908	12.69	11.59	10.76	12.79	12.55
195.5872	12.67	11.50	10.81	12.75	12.54
195.6836	12.67	11.49	10.81	12.75	12.54
195.7801	12.66	11.56	10.79	12.76	12.58
195.8765	12.66	11.55	10.85	12.79	12.58
195.9730	12.64	11.48	10.85	12.80	12.56
196.0694	12.65	11.42	10.83	12.77	12.57
196.1659	12.67	11.47	10.81	12.74	12.60
196.2623	12.65	11.51	10.77	12.75	12.59
196.3587	12.64	11.44	10.73	12.71	12.53
196.4552	12.65	11.36	10.72	12.69	12.52
196.5516	12.64	11.40	10.67	12.70	12.53
196.6481	12.63	11.48	10.62	12.64	12.48
196.7445	12.62	11.43	10.63	12.65	12.43
196.8410	12.61	11.39	10.65	12.73	12.44
196.9374	12.61	11.37	10.67	12.72	12.45
197.0338	12.61	11.44	10.66	12.64	12.45
197.1303	12.58	11.48	10.70	12.71	12.48
197.2267	12.58	11.39	10.79	12.73	12.50
197.3232	12.59	11.33	10.79	12.71	12.51
197.4196	12.60	11.42	10.74	12.69	12.54
197.5161	12.60	11.46	10.79	12.70	12.56
197.6125	12.59	11.39	10.78	12.69	12.53
197.7089	12.60	11.36	10.72	12.70	12.50
197.8054	12.62	11.39	10.69	12.68	12.50
197.9018	12.61	11.46	10.66	12.70	12.49
197.9983	12.60	11.48	10.63	12.70	12.44
198.0947	12.62	11.40	10.64	12.67	12.43
198.1912	12.63	11.42	10.66	12.72	12.47
198.2876	12.63	11.52	10.66	12.71	12.48
198.3841	12.63	11.53	10.71	12.69	12.49
198.4805	12.62	11.47	10.75	12.72	12.52

198.5769	12.63	11.44	10.83	12.76	12.56
198.6734	12.66	11.51	10.82	12.72	12.59
198.7698	12.65	11.56	10.82	12.75	12.60
198.8663	12.64	11.51	10.87	12.78	12.59
198.9627	12.68	11.45	10.86	12.78	12.60
199.0592	12.69	11.53	10.82	12.76	12.61
199.1556	12.69	11.59	10.79	12.77	12.59
199.2520	12.69	11.56	10.80	12.79	12.57
199.3485	12.69	11.53	10.78	12.77	12.55
199.4449	12.69	11.54	10.78	12.74	12.56
199.5414	12.72	11.61	10.76	12.73	12.58
199.6378	12.71	11.65	10.79	12.78	12.57
199.7343	12.70	11.56	10.83	12.77	12.55
199.8307	12.70	11.53	10.84	12.78	12.59
199.9271	12.71	11.64	10.89	12.79	12.61
200.0236	12.70	11.65	10.90	12.81	12.62
200.1200	12.69	11.57	10.92	12.82	12.62
200.2165	12.70	11.55	10.94	12.85	12.63
200.3129	12.72	11.59	10.94	12.82	12.64
200.4094	12.70	11.65	10.89	12.79	12.64
200.5058	12.68	11.62	10.88	12.79	12.61
200.6023	12.69	11.55	10.88	12.80	12.57
200.6987	12.70	11.57	10.84	12.77	12.56
200.7951	12.68	11.67	10.80	12.73	12.57
200.8916	12.68	11.65	10.77	12.74	12.55
200.9880	12.68	11.56	10.81	12.78	12.52
201.0845	12.68	11.54	10.78	12.79	12.51
201.1809	12.68	11.60	10.77	12.76	12.53
201.2774	12.67	11.62	10.83	12.78	12.53
201.3738	12.64	11.52	10.86	12.79	12.57
201.4702	12.66	11.45	10.85	12.75	12.57
201.5667	12.66	11.53	10.87	12.76	12.58
201.6631	12.65	11.57	10.89	12.78	12.60
201.7596	12.63	11.48	10.86	12.72	12.59
201.8560	12.62	11.43	10.83	12.69	12.55
201.9525	12.63	11.47	10.80	12.72	12.54
202.0489	12.62	11.52	10.77	12.70	12.51
202.1453	12.60	11.51	10.70	12.70	12.46
202.2418	12.62	11.44	10.67	12.69	12.44
202.3382	12.63	11.40	10.69	12.71	12.46
202.4347	12.61	11.48	10.65	12.67	12.44
202.5311	12.60	11.48	10.65	12.67	12.44
202.6276	12.61	11.38	10.72	12.67	12.47
202.7240	12.59	11.35	10.74	12.69	12.51
202.8204	12.61	11.41	10.72	12.64	12.53
202.9169	12.60	11.44	10.78	12.67	12.54
203.0133	12.59	11.41	10.82	12.73	12.54
203.1098	12.60	11.34	10.77	12.70	12.53
203.2062	12.61	11.37	10.75	12.65	12.51
203.3027	12.58	11.48	10.75	12.70	12.52
203.3991	12.59	11.45	10.71	12.72	12.47
203.4956	12.60	11.40	10.67	12.69	12.42
203.5920	12.60	11.40	10.65	12.71	12.45
203.6884	12.63	11.48	10.64	12.66	12.48
203.7849	12.62	11.50	10.64	12.66	12.47
203.8813	12.61	11.42	10.65	12.68	12.46
203.9778	12.63	11.37	10.70	12.70	12.49
204.0742	12.64	11.47	10.71	12.70	12.52
204.1707	12.64	11.52	10.74	12.72	12.55
204.2671	12.63	11.44	10.80	12.72	12.55
204.3635	12.64	11.43	10.84	12.80	12.55

204.4600	12.65	11.49	10.82	12.80	12.57
204.5564	12.64	11.55	10.84	12.74	12.56
204.6529	12.62	11.54	10.84	12.78	12.55
204.7493	12.64	11.51	10.82	12.79	12.52
204.8458	12.66	11.49	10.81	12.75	12.53
204.9422	12.67	11.60	10.76	12.74	12.54
205.0386	12.67	11.61	10.77	12.75	12.54
205.1351	12.68	11.51	10.78	12.73	12.51
205.2315	12.69	11.49	10.77	12.75	12.54
205.3280	12.71	11.56	10.76	12.77	12.56
205.4244	12.70	11.58	10.83	12.82	12.56
205.5209	12.69	11.51	10.85	12.83	12.57
205.6173	12.70	11.47	10.89	12.80	12.61
205.7138	12.71	11.54	10.91	12.81	12.65
205.8102	12.70	11.61	10.93	12.84	12.66
205.9066	12.69	11.57	10.96	12.79	12.64
206.0031	12.69	11.53	10.94	12.79	12.63
206.0995	12.69	11.57	10.92	12.80	12.64
206.1960	12.70	11.62	10.89	12.73	12.62
206.2924	12.69	11.62	10.84	12.75	12.58
206.3889	12.70	11.56	10.82	12.80	12.55
206.4853	12.71	11.50	10.80	12.79	12.54
206.5817	12.71	11.56	10.76	12.73	12.55
206.6782	12.70	11.60	10.76	12.78	12.54
206.7746	12.69	11.50	10.82	12.81	12.54
206.8711	12.70	11.44	10.83	12.79	12.57
206.9675	12.69	11.53	10.82	12.74	12.61
207.0640	12.69	11.57	10.87	12.76	12.63
207.1604	12.65	11.52	10.91	12.78	12.63
207.2568	12.64	11.47	10.89	12.75	12.59
207.3533	12.65	11.49	10.86	12.73	12.59
207.4497	12.65	11.57	10.85	12.76	12.59
207.5462	12.61	11.55	10.80	12.74	12.54
207.6426	12.63	11.45	10.75	12.73	12.48
207.7391	12.64	11.44	10.73	12.78	12.48
207.8355	12.64	11.50	10.68	12.74	12.49
207.9319	12.64	11.48	10.64	12.69	12.46
208.0284	12.62	11.41	10.65	12.71	12.45
208.1248	12.63	11.36	10.70	12.73	12.49
208.2213	12.65	11.41	10.66	12.68	12.52
208.3177	12.62	11.48	10.67	12.68	12.51
208.4142	12.60	11.42	10.75	12.72	12.52
208.5106	12.60	11.37	10.78	12.71	12.52
208.6071	12.59	11.42	10.73	12.70	12.52
208.7035	12.59	11.48	10.74	12.70	12.52
208.7999	12.58	11.46	10.78	12.73	12.51
208.8964	12.58	11.41	10.74	12.70	12.47
208.9928	12.59	11.38	10.71	12.68	12.47
209.0893	12.62	11.44	10.67	12.68	12.49
209.1857	12.61	11.47	10.66	12.70	12.46
209.2822	12.60	11.37	10.64	12.65	12.44
209.3786	12.62	11.31	10.66	12.66	12.47
209.4750	12.64	11.41	10.64	12.67	12.49
209.5715	12.62	11.45	10.64	12.68	12.48
209.6679	12.61	11.41	10.71	12.69	12.47
209.7644	12.62	11.38	10.75	12.74	12.49
209.8608	12.61	11.42	10.78	12.70	12.54
209.9573	12.61	11.51	10.79	12.68	12.55
210.0537	12.59	11.51	10.84	12.71	12.55
210.1501	12.61	11.44	10.87	12.74	12.53
210.2466	12.62	11.45	10.86	12.71	12.56

210.3430	12.64	11.54	10.81	12.68	12.57
210.4395	12.64	11.56	10.81	12.71	12.56
210.5359	12.64	11.48	10.81	12.74	12.51
210.6324	12.65	11.45	10.75	12.75	12.50
210.7288	12.68	11.52	10.73	12.71	12.50
210.8253	12.67	11.58	10.73	12.76	12.51
210.9217	12.66	11.54	10.77	12.78	12.51
211.0181	12.68	11.49	10.81	12.76	12.52
211.1146	12.69	11.56	10.83	12.78	12.56
211.2110	12.67	11.65	10.87	12.79	12.61
211.3075	12.66	11.60	10.93	12.74	12.62
211.4039	12.66	11.56	10.95	12.77	12.62
211.5004	12.68	11.58	10.96	12.80	12.64
211.5968	12.68	11.63	10.95	12.78	12.64
211.6932	12.67	11.65	10.90	12.79	12.62
211.7897	12.68	11.57	10.90	12.79	12.59
211.8861	12.70	11.53	10.89	12.81	12.57
211.9826	12.71	11.62	10.79	12.81	12.56
212.0790	12.71	11.62	10.76	12.78	12.53
212.1755	12.70	11.55	10.78	12.78	12.53
212.2719	12.70	11.53	10.80	12.80	12.55
212.3683	12.70	11.57	10.78	12.73	12.56
212.4648	12.70	11.63	10.80	12.75	12.57
212.5612	12.68	11.61	10.86	12.79	12.60
212.6577	12.67	11.52	10.90	12.75	12.60
212.7541	12.66	11.53	10.88	12.74	12.60
212.8506	12.66	11.62	10.89	12.77	12.61
212.9470	12.66	11.58	10.89	12.79	12.60
213.0434	12.65	11.51	10.85	12.78	12.56
213.1399	12.65	11.47	10.82	12.76	12.56
213.2363	12.67	11.52	10.79	12.72	12.56
213.3328	12.66	11.56	10.71	12.74	12.53
213.4292	12.63	11.45	10.68	12.72	12.48
213.5257	12.66	11.39	10.71	12.71	12.48
213.6221	12.65	11.48	10.68	12.70	12.50
213.7186	12.64	11.53	10.65	12.66	12.48
213.8150	12.62	11.46	10.69	12.68	12.49
213.9114	12.61	11.42	10.74	12.75	12.50
214.0079	12.61	11.44	10.75	12.73	12.49
214.1043	12.60	11.50	10.75	12.67	12.51
214.2008	12.57	11.50	10.77	12.72	12.53
214.2972	12.58	11.40	10.80	12.71	12.52
214.3937	12.59	11.35	10.76	12.68	12.51
214.4901	12.59	11.46	10.73	12.67	12.52
214.5865	12.58	11.47	10.72	12.69	12.51
214.6830	12.59	11.36	10.68	12.66	12.48
214.7794	12.60	11.34	10.64	12.66	12.46
214.8759	12.61	11.40	10.62	12.67	12.46
214.9723	12.60	11.44	10.62	12.69	12.43
215.0688	12.59	11.42	10.60	12.68	12.41
215.1652	12.60	11.35	10.65	12.69	12.43
215.2616	12.60	11.39	10.68	12.72	12.46
215.3581	12.59	11.49	10.72	12.71	12.47
215.4545	12.58	11.46	10.74	12.68	12.50
215.5510	12.60	11.40	10.79	12.69	12.52
215.6474	12.60	11.40	10.83	12.70	12.56
215.7439	12.63	11.47	10.79	12.67	12.59
215.8403	12.62	11.50	10.79	12.71	12.58
215.9368	12.63	11.45	10.79	12.74	12.54
216.0332	12.65	11.39	10.76	12.74	12.54
216.1296	12.66	11.48	10.70	12.70	12.54

216.2261	12.65	11.55	10.70	12.75	12.52
216.3225	12.68	11.48	10.70	12.78	12.48
216.4190	12.67	11.45	10.70	12.78	12.48
216.5154	12.67	11.50	10.72	12.73	12.51
216.6119	12.68	11.58	10.75	12.74	12.53
216.7083	12.67	11.58	10.80	12.77	12.54
216.8047	12.66	11.52	10.82	12.76	12.57
216.9012	12.68	11.51	10.87	12.76	12.61
216.9976	12.69	11.62	10.90	12.77	12.64
217.0941	12.68	11.62	10.88	12.79	12.65
217.1905	12.70	11.53	10.88	12.81	12.61
217.2870	12.71	11.52	10.89	12.85	12.61
217.3834	12.72	11.59	10.85	12.82	12.64
217.4798	12.71	11.62	10.80	12.79	12.60
217.5763	12.70	11.57	10.80	12.81	12.56
217.6727	12.71	11.53	10.80	12.83	12.56
217.7692	12.72	11.58	10.78	12.78	12.55
217.8656	12.70	11.67	10.77	12.75	12.55
217.9621	12.70	11.62	10.80	12.77	12.56
218.0585	12.69	11.54	10.84	12.78	12.56
218.1549	12.68	11.57	10.82	12.78	12.57
218.2514	12.68	11.62	10.84	12.77	12.59
218.3478	12.67	11.61	10.89	12.81	12.61
218.4443	12.67	11.52	10.89	12.80	12.61
218.5407	12.68	11.47	10.86	12.77	12.60
218.6372	12.68	11.56	10.85	12.78	12.62
218.7336	12.67	11.59	10.84	12.81	12.62
218.8301	12.66	11.47	10.80	12.73	12.56
218.9265	12.65	11.44	10.77	12.72	12.55
219.0229	12.66	11.52	10.71	12.74	12.55
219.1194	12.65	11.54	10.72	12.70	12.50
219.2158	12.63	11.49	10.70	12.69	12.45
219.3123	12.63	11.43	10.69	12.73	12.47
219.4087	12.63	11.43	10.72	12.71	12.47
219.5052	12.61	11.49	10.71	12.68	12.46
219.6016	12.60	11.47	10.75	12.72	12.48
219.6980	12.61	11.38	10.81	12.72	12.51
219.7945	12.61	11.36	10.80	12.71	12.54
219.8909	12.61	11.44	10.77	12.65	12.57
219.9874	12.60	11.46	10.81	12.70	12.56
220.0838	12.58	11.39	10.79	12.72	12.52
220.1803	12.59	11.33	10.74	12.68	12.50
220.2767	12.60	11.40	10.69	12.62	12.49
220.3731	12.58	11.47	10.67	12.68	12.47
220.4696	12.58	11.42	10.66	12.67	12.41
220.5660	12.59	11.36	10.63	12.66	12.39
220.6625	12.59	11.40	10.62	12.69	12.41
220.7589	12.60	11.48	10.65	12.66	12.41
220.8554	12.58	11.45	10.67	12.66	12.43
220.9518	12.58	11.38	10.72	12.70	12.45
221.0483	12.59	11.37	10.76	12.71	12.50
221.1447	12.61	11.45	10.76	12.68	12.53
221.2411	12.59	11.49	10.77	12.70	12.56
221.3376	12.60	11.41	10.82	12.72	12.54
221.4340	12.61	11.40	10.81	12.76	12.54
221.5305	12.62	11.49	10.75	12.72	12.53
221.6269	12.61	11.52	10.74	12.70	12.52
221.7234	12.61	11.50	10.74	12.73	12.49
221.8198	12.63	11.46	10.74	12.72	12.47
221.9162	12.64	11.48	10.70	12.68	12.48
222.0127	12.65	11.58	10.69	12.71	12.49

222.1091	12.65	11.56	10.74	12.73	12.49
222.2056	12.64	11.48	10.79	12.70	12.50
222.3020	12.65	11.48	10.78	12.72	12.54
222.3985	12.67	11.57	10.79	12.74	12.57
222.4949	12.67	11.57	10.86	12.78	12.59
222.5913	12.67	11.51	10.87	12.78	12.59
222.6878	12.67	11.48	10.89	12.80	12.60
222.7842	12.69	11.57	10.88	12.77	12.63
222.8807	12.68	11.63	10.87	12.77	12.62
222.9771	12.66	11.56	10.89	12.75	12.59
223.0736	12.68	11.52	10.88	12.78	12.58
223.1700	12.68	11.59	10.85	12.75	12.58
223.2664	12.69	11.63	10.80	12.71	12.56
223.3629	12.70	11.59	10.81	12.74	12.55
223.4593	12.70	11.55	10.84	12.79	12.55
223.5558	12.69	11.52	10.82	12.76	12.54
223.6522	12.70	11.59	10.80	12.75	12.54
223.7487	12.69	11.60	10.84	12.81	12.57
223.8451	12.69	11.52	10.91	12.83	12.58
223.9416	12.69	11.48	10.90	12.80	12.59
224.0380	12.69	11.57	10.90	12.77	12.61
224.1344	12.68	11.62	10.91	12.77	12.63
224.2309	12.65	11.52	10.92	12.77	12.62
224.3273	12.64	11.50	10.89	12.75	12.58
224.4238	12.66	11.54	10.86	12.74	12.57
224.5202	12.65	11.59	10.83	12.74	12.56
224.6167	12.63	11.55	10.76	12.72	12.51
224.7131	12.65	11.46	10.75	12.72	12.49
224.8095	12.65	11.47	10.74	12.75	12.48
224.9060	12.64	11.54	10.70	12.74	12.47
225.0024	12.64	11.51	10.68	12.71	12.46
225.0989	12.63	11.41	10.75	12.72	12.48
225.1953	12.62	11.40	10.78	12.75	12.52
225.2918	12.63	11.47	10.74	12.69	12.54
225.3882	12.62	11.49	10.77	12.70	12.54
225.4846	12.59	11.42	10.81	12.73	12.56
225.5811	12.60	11.36	10.81	12.69	12.54
225.6775	12.60	11.44	10.76	12.67	12.53
225.7740	12.59	11.48	10.75	12.72	12.51
225.8704	12.60	11.42	10.72	12.71	12.48
225.9669	12.60	11.37	10.67	12.68	12.46
226.0633	12.60	11.38	10.65	12.67	12.46
226.1597	12.62	11.42	10.62	12.66	12.46
226.2562	12.61	11.43	10.59	12.68	12.44
226.3526	12.60	11.34	10.60	12.65	12.44
226.4491	12.61	11.30	10.66	12.65	12.47
226.5455	12.62	11.43	10.64	12.65	12.51
226.6420	12.61	11.44	10.67	12.67	12.51
226.7384	12.61	11.36	10.74	12.69	12.50
226.8349	12.60	11.36	10.76	12.75	12.52
226.9313	12.61	11.42	10.77	12.70	12.54
227.0277	12.60	11.47	10.77	12.69	12.53
227.1242	12.59	11.45	10.79	12.73	12.51
227.2206	12.60	11.39	10.77	12.74	12.49
227.3171	12.62	11.42	10.74	12.70	12.49
227.4135	12.62	11.51	10.70	12.67	12.52
227.5100	12.63	11.48	10.69	12.68	12.51
227.6064	12.65	11.41	10.69	12.71	12.49
227.7028	12.64	11.41	10.67	12.71	12.49
227.7993	12.66	11.49	10.70	12.69	12.51
227.8957	12.65	11.52	10.73	12.75	12.53

227.9922	12.64	11.46	10.77	12.78	12.52
228.0886	12.66	11.42	10.81	12.78	12.53
228.1851	12.66	11.53	10.84	12.79	12.57
228.2815	12.64	11.60	10.89	12.81	12.59
228.3779	12.64	11.51	10.90	12.74	12.57
228.4744	12.64	11.52	10.89	12.77	12.57
228.5708	12.66	11.57	10.88	12.78	12.59
228.6673	12.67	11.60	10.86	12.76	12.59
228.7637	12.67	11.60	10.82	12.74	12.56
228.8602	12.68	11.53	10.80	12.75	12.55
228.9566	12.70	11.50	10.79	12.77	12.55
229.0531	12.69	11.58	10.74	12.77	12.55
229.1495	12.71	11.59	10.77	12.77	12.53
229.2459	12.71	11.51	10.81	12.80	12.54
229.3424	12.69	11.49	10.82	12.82	12.57
229.4388	12.69	11.57	10.83	12.74	12.59
229.5353	12.70	11.62	10.91	12.80	12.61
229.6317	12.67	11.56	10.95	12.82	12.62
229.7282	12.66	11.51	10.92	12.76	12.62
229.8246	12.67	11.56	10.91	12.73	12.62
229.9210	12.66	11.63	10.91	12.79	12.62
230.0175	12.67	11.57	10.88	12.77	12.57
230.1139	12.68	11.50	10.79	12.76	12.55
230.2104	12.68	11.50	10.77	12.76	12.54
230.3068	12.68	11.54	10.76	12.73	12.55
230.4033	12.68	11.55	10.69	12.72	12.52
230.4997	12.65	11.46	10.70	12.73	12.51
230.5961	12.67	11.41	10.73	12.76	12.52
230.6926	12.67	11.51	10.72	12.71	12.53
230.7890	12.64	11.57	10.74	12.68	12.54
230.8855	12.62	11.47	10.81	12.72	12.55
230.9819	12.61	11.44	10.83	12.75	12.53
231.0784	12.60	11.51	10.79	12.71	12.52
231.1748	12.59	11.54	10.80	12.71	12.52
231.2712	12.58	11.50	10.82	12.75	12.51
231.3677	12.60	11.43	10.77	12.72	12.48
231.4641	12.60	11.41	10.70	12.68	12.49
231.5606	12.59	11.49	10.69	12.70	12.48
231.6570	12.60	11.46	10.65	12.70	12.46
231.7535	12.61	11.36	10.63	12.65	12.46
231.8499	12.60	11.35	10.62	12.66	12.46
231.9464	12.61	11.43	10.61	12.66	12.46
232.0428	12.60	11.45	10.63	12.66	12.45
232.1392	12.57	11.40	10.67	12.65	12.43
232.2357	12.58	11.35	10.71	12.69	12.46
232.3321	12.58	11.43	10.71	12.68	12.47
232.4286	12.56	11.50	10.75	12.70	12.47
232.5250	12.55	11.43	10.78	12.69	12.48
232.6215	12.57	11.39	10.80	12.69	12.49
232.7179	12.57	11.43	10.78	12.68	12.50
232.8143	12.59	11.46	10.74	12.65	12.52
232.9108	12.60	11.46	10.75	12.68	12.50
233.0072	12.61	11.41	10.72	12.70	12.48
233.1037	12.62	11.35	10.69	12.68	12.49
233.2001	12.63	11.45	10.66	12.64	12.48
233.2966	12.63	11.50	10.67	12.71	12.46
233.3930	12.64	11.42	10.72	12.72	12.46
233.4894	12.63	11.40	10.73	12.72	12.47
233.5859	12.64	11.50	10.74	12.70	12.51
233.6823	12.64	11.56	10.81	12.73	12.54
233.7788	12.62	11.52	10.88	12.73	12.54

233.8752	12.63	11.48	10.87	12.75	12.56
233.9717	12.64	11.52	10.89	12.74	12.59
234.0681	12.64	11.59	10.89	12.75	12.61
234.1646	12.64	11.57	10.86	12.75	12.59
234.2610	12.67	11.50	10.86	12.78	12.55
234.3574	12.68	11.50	10.82	12.81	12.56
234.4539	12.69	11.58	10.78	12.77	12.55
234.5503	12.69	11.59	10.73	12.74	12.55
234.6468	12.69	11.55	10.77	12.78	12.53
234.7432	12.68	11.52	10.79	12.80	12.54
234.8397	12.70	11.60	10.76	12.73	12.55
234.9361	12.69	11.67	10.78	12.75	12.57
235.0325	12.67	11.61	10.86	12.77	12.59
235.1290	12.67	11.54	10.93	12.75	12.59
235.2254	12.67	11.60	10.86	12.77	12.61
235.3219	12.67	11.64	10.89	12.81	12.63
235.4183	12.68	11.60	10.93	12.81	12.61
235.5148	12.67	11.54	10.88	12.81	12.60
235.6112	12.68	11.52	10.85	12.81	12.58
235.7076	12.69	11.58	10.82	12.80	12.59
235.8041	12.70	11.59	10.77	12.79	12.56
235.9005	12.69	11.49	10.74	12.72	12.54
235.9970	12.68	11.46	10.76	12.74	12.54
236.0934	12.67	11.56	10.70	12.74	12.54
236.1899	12.68	11.57	10.72	12.70	12.52
236.2863	12.66	11.50	10.75	12.70	12.52
236.3827	12.64	11.46	10.78	12.75	12.54
236.4792	12.64	11.48	10.79	12.71	12.54
236.5756	12.63	11.54	10.77	12.73	12.53
236.6721	12.62	11.50	10.82	12.76	12.55
236.7685	12.63	11.39	10.83	12.76	12.54
236.8650	12.62	11.42	10.79	12.73	12.55
236.9614	12.63	11.48	10.75	12.70	12.56
237.0579	12.62	11.46	10.75	12.72	12.54
237.1543	12.61	11.38	10.71	12.71	12.49
237.2507	12.61	11.34	10.67	12.67	12.47
237.3472	12.62	11.42	10.64	12.64	12.47
237.4436	12.61	11.47	10.62	12.68	12.45
237.5401	12.58	11.38	10.64	12.67	12.42
237.6365	12.59	11.34	10.64	12.67	12.42
237.7330	12.59	11.42	10.65	12.68	12.45
237.8294	12.58	11.47	10.68	12.68	12.45
237.9258	12.57	11.41	10.70	12.67	12.48
238.0223	12.58	11.36	10.75	12.69	12.50
238.1187	12.58	11.39	10.76	12.70	12.51
238.2152	12.58	11.44	10.74	12.67	12.53
238.3116	12.57	11.45	10.74	12.67	12.53
238.4081	12.59	11.38	10.75	12.68	12.50
238.5045	12.59	11.35	10.72	12.70	12.49
238.6009	12.60	11.44	10.65	12.67	12.47
238.6974	12.60	11.47	10.64	12.67	12.45
238.7938	12.61	11.41	10.65	12.70	12.44
238.8903	12.61	11.38	10.66	12.71	12.45
238.9867	12.62	11.45	10.63	12.66	12.47
239.0832	12.63	11.52	10.66	12.71	12.48
239.1796	12.62	11.47	10.73	12.72	12.50
239.2761	12.62	11.41	10.77	12.70	12.52
239.3725	12.63	11.45	10.77	12.69	12.56
239.4689	12.64	11.53	10.81	12.73	12.60
239.5654	12.65	11.50	10.84	12.74	12.61
239.6618	12.66	11.46	10.82	12.75	12.57

239.7583	12.66	11.47	10.85	12.79	12.57
239.8547	12.68	11.53	10.82	12.76	12.58
239.9512	12.67	11.58	10.79	12.75	12.57
240.0476	12.68	11.52	10.79	12.77	12.51
240.1440	12.68	11.48	10.79	12.80	12.53
240.2405	12.68	11.56	10.76	12.73	12.54
240.3369	12.68	11.63	10.75	12.72	12.54
240.4334	12.69	11.56	10.81	12.74	12.53
240.5298	12.68	11.53	10.83	12.79	12.56
240.6263	12.68	11.56	10.82	12.74	12.57
240.7227	12.68	11.62	10.85	12.74	12.59
240.8191	12.68	11.61	10.90	12.80	12.62
240.9156	12.68	11.53	10.90	12.82	12.61
241.0120	12.69	11.51	10.89	12.79	12.59
241.1085	12.67	11.61	10.90	12.80	12.61
241.2049	12.67	11.62	10.88	12.81	12.62
241.3014	12.67	11.52	10.87	12.76	12.57
241.3978	12.66	11.51	10.84	12.77	12.54
241.4942	12.67	11.58	10.80	12.77	12.55
241.5907	12.67	11.62	10.78	12.73	12.52
241.6871	12.65	11.56	10.77	12.72	12.49
241.7836	12.66	11.48	10.78	12.73	12.50
241.8800	12.65	11.53	10.75	12.75	12.51
241.9765	12.63	11.58	10.76	12.74	12.49
242.0729	12.64	11.52	10.80	12.73	12.52
242.1694	12.64	11.45	10.84	12.74	12.55
242.2658	12.63	11.46	10.83	12.75	12.57
242.3622	12.63	11.50	10.82	12.70	12.57
242.4587	12.62	11.51	10.85	12.73	12.57
242.5551	12.61	11.44	10.84	12.72	12.56
242.6516	12.61	11.36	10.81	12.67	12.53
242.7480	12.61	11.47	10.75	12.65	12.51
242.8445	12.60	11.51	10.72	12.70	12.48
242.9409	12.60	11.40	10.71	12.68	12.43
243.0373	12.60	11.37	10.67	12.66	12.42
243.1338	12.59	11.43	10.64	12.66	12.44
243.2302	12.60	11.44	10.65	12.66	12.42
243.3267	12.59	11.40	10.66	12.68	12.43
243.4231	12.59	11.34	10.70	12.67	12.47
243.5196	12.60	11.34	10.74	12.66	12.50
243.6160	12.59	11.44	10.74	12.67	12.52
243.7124	12.58	11.43	10.75	12.67	12.53
243.8089	12.59	11.35	10.78	12.67	12.53
243.9053	12.58	11.36	10.78	12.72	12.52
244.0018	12.58	11.44	10.75	12.66	12.50
244.0982	12.58	11.47	10.71	12.66	12.48
244.1947	12.57	11.43	10.70	12.72	12.44
244.2911	12.58	11.38	10.69	12.70	12.42
244.3876	12.60	11.45	10.64	12.65	12.43
244.4840	12.59	11.52	10.62	12.67	12.44
244.5804	12.59	11.46	10.67	12.68	12.44
244.6769	12.62	11.38	10.68	12.69	12.45
244.7733	12.61	11.43	10.66	12.69	12.48
244.8698	12.62	11.48	10.73	12.69	12.51
244.9662	12.62	11.48	10.77	12.73	12.54
245.0627	12.62	11.44	10.80	12.73	12.54
245.1591	12.63	11.41	10.80	12.74	12.55
245.2555	12.63	11.52	10.82	12.76	12.56
245.3520	12.61	11.57	10.84	12.76	12.56
245.4484	12.63	11.48	10.82	12.70	12.52
245.5449	12.63	11.47	10.82	12.75	12.53

245.6413	12.65	11.55	10.78	12.74	12.54
245.7378	12.66	11.58	10.76	12.71	12.53
245.8342	12.66	11.53	10.77	12.72	12.51
245.9306	12.68	11.49	10.80	12.75	12.53
246.0271	12.68	11.49	10.76	12.74	12.54
246.1235	12.67	11.56	10.75	12.75	12.54
246.2200	12.69	11.55	10.84	12.78	12.55
246.3164	12.70	11.48	10.87	12.80	12.58
246.4129	12.68	11.50	10.87	12.79	12.60
246.5093	12.67	11.57	10.86	12.76	12.63
246.6057	12.69	11.60	10.93	12.79	12.63
246.7022	12.67	11.55	10.94	12.78	12.62
246.7986	12.67	11.50	10.90	12.75	12.61
246.8951	12.68	11.56	10.87	12.72	12.62
246.9915	12.67	11.63	10.85	12.75	12.59
247.0880	12.68	11.54	10.82	12.74	12.55
247.1844	12.69	11.48	10.78	12.76	12.54
247.2809	12.69	11.52	10.77	12.78	12.52
247.3773	12.68	11.56	10.74	12.77	12.51
247.4737	12.67	11.52	10.73	12.75	12.52
247.5702	12.67	11.46	10.78	12.78	12.52
247.6666	12.67	11.46	10.81	12.79	12.54
247.7631	12.65	11.54	10.79	12.73	12.55
247.8595	12.65	11.57	10.81	12.74	12.58
247.9560	12.63	11.47	10.87	12.73	12.59
248.0524	12.61	11.45	10.85	12.73	12.57
248.1488	12.61	11.53	10.80	12.71	12.56
248.2453	12.62	11.55	10.78	12.73	12.55
248.3417	12.61	11.47	10.77	12.74	12.51
248.4382	12.62	11.41	10.72	12.73	12.48
248.5346	12.62	11.44	10.65	12.71	12.47
248.6311	12.62	11.49	10.65	12.71	12.45
248.7275	12.61	11.44	10.63	12.72	12.45
248.8239	12.62	11.34	10.63	12.66	12.45
248.9204	12.61	11.37	10.65	12.68	12.47
249.0168	12.62	11.45	10.65	12.69	12.48
249.1133	12.60	11.44	10.69	12.68	12.49
249.2097	12.59	11.39	10.73	12.66	12.50
249.3062	12.58	11.36	10.75	12.70	12.52
249.4026	12.59	11.43	10.74	12.67	12.52
249.4991	12.57	11.48	10.74	12.69	12.52
249.5955	12.58	11.40	10.75	12.71	12.49
249.6919	12.59	11.33	10.75	12.71	12.48
249.7884	12.59	11.42	10.69	12.66	12.49
249.8848	12.61	11.44	10.64	12.65	12.47
249.9813	12.60	11.37	10.67	12.66	12.46
250.0777	12.61	11.35	10.64	12.68	12.47
250.1742	12.61	11.34	10.63	12.64	12.46
250.2706	12.61	11.42	10.63	12.62	12.45
250.3670	12.61	11.45	10.66	12.70	12.48
250.4635	12.62	11.38	10.72	12.72	12.47
250.5599	12.60	11.38	10.74	12.71	12.48
250.6564	12.60	11.50	10.76	12.70	12.52
250.7528	12.60	11.53	10.80	12.71	12.55
250.8493	12.60	11.46	10.84	12.71	12.53
250.9457	12.59	11.44	10.84	12.74	12.54
251.0421	12.63	11.50	10.83	12.70	12.55
251.1386	12.63	11.56	10.80	12.69	12.57
251.2350	12.62	11.51	10.76	12.69	12.54
251.3315	12.65	11.45	10.77	12.71	12.51
251.4279	12.66	11.49	10.75	12.75	12.51

251.5244	12.66	11.56	10.70	12.74	12.50
251.6208	12.66	11.54	10.71	12.72	12.50
251.7172	12.67	11.52	10.78	12.78	12.50
251.8137	12.66	11.51	10.81	12.80	12.52
251.9101	12.66	11.58	10.81	12.73	12.54
252.0066	12.66	11.64	10.85	12.78	12.58
252.1030	12.65	11.56	10.92	12.80	12.58
252.1995	12.65	11.51	10.93	12.75	12.59
252.2959	12.66	11.62	10.88	12.74	12.63
252.3924	12.67	11.65	10.90	12.78	12.63
252.4888	12.68	11.56	10.90	12.76	12.60
252.5852	12.68	11.52	10.84	12.77	12.57
252.6817	12.68	11.55	10.80	12.77	12.56
252.7781	12.69	11.57	10.78	12.79	12.55
252.8746	12.70	11.57	10.75	12.76	12.52
252.9710	12.69	11.51	10.76	12.74	12.52
253.0675	12.68	11.49	10.78	12.77	12.53
253.1639	12.67	11.59	10.76	12.76	12.54
253.2603	12.67	11.60	10.80	12.72	12.54
253.3568	12.66	11.53	10.86	12.75	12.56
253.4532	12.64	11.50	10.88	12.78	12.57
253.5497	12.64	11.56	10.85	12.70	12.58
253.6461	12.63	11.59	10.83	12.72	12.58
253.7426	12.62	11.53	10.87	12.77	12.56
253.8390	12.64	11.45	10.83	12.76	12.54
253.9354	12.64	11.49	10.75	12.70	12.54
254.0319	12.63	11.53	10.73	12.71	12.53
254.1283	12.64	11.48	10.71	12.71	12.50
254.2248	12.63	11.41	10.67	12.69	12.49
254.3212	12.62	11.41	10.65	12.67	12.47
254.4177	12.62	11.49	10.65	12.67	12.47
254.5141	12.61	11.50	10.66	12.69	12.46
254.6105	12.59	11.43	10.69	12.67	12.46
254.7070	12.58	11.39	10.71	12.70	12.46
254.8034	12.57	11.48	10.72	12.70	12.47
254.8999	12.56	11.51	10.74	12.69	12.47
254.9963	12.55	11.41	10.75	12.67	12.49
255.0928	12.57	11.37	10.77	12.69	12.49
255.1892	12.58	11.43	10.74	12.68	12.50
255.2857	12.58	11.44	10.72	12.66	12.50
255.3821	12.57	11.40	10.70	12.66	12.48
255.4785	12.59	11.34	10.69	12.66	12.48
255.5750	12.59	11.34	10.65	12.65	12.48
255.6714	12.59	11.42	10.62	12.65	12.43
255.7679	12.59	11.43	10.63	12.69	12.42
255.8643	12.60	11.36	10.65	12.69	12.42
255.9608	12.59	11.37	10.66	12.68	12.43
256.0572	12.59	11.44	10.67	12.66	12.45
256.1536	12.59	11.48	10.74	12.70	12.47
256.2501	12.58	11.43	10.77	12.70	12.48
256.3465	12.59	11.37	10.78	12.69	12.51
256.4430	12.61	11.44	10.79	12.67	12.55
256.5394	12.61	11.51	10.81	12.72	12.57
256.6359	12.62	11.44	10.81	12.71	12.55
256.7323	12.64	11.39	10.76	12.72	12.53
256.8287	12.64	11.45	10.74	12.74	12.55
256.9252	12.65	11.49	10.72	12.72	12.53
257.0216	12.66	11.50	10.72	12.72	12.50
257.1181	12.66	11.47	10.70	12.76	12.49
257.2145	12.65	11.46	10.73	12.76	12.50
257.3110	12.67	11.54	10.73	12.70	12.50

257.4074	12.65	11.61	10.74	12.72	12.53
257.5039	12.65	11.53	10.84	12.76	12.55
257.6003	12.65	11.50	10.86	12.78	12.56
257.6967	12.67	11.58	10.83	12.74	12.58
257.7932	12.66	11.61	10.87	12.76	12.62
257.8896	12.66	11.56	10.92	12.81	12.62
257.9861	12.68	11.51	10.87	12.81	12.60
258.0825	12.70	11.52	10.83	12.79	12.59
258.1790	12.68	11.59	10.83	12.81	12.59
258.2754	12.69	11.58	10.80	12.79	12.58
258.3718	12.69	11.51	10.79	12.75	12.55
258.4683	12.68	11.53	10.76	12.77	12.55
258.5647	12.68	11.59	10.75	12.76	12.55
258.6612	12.69	11.61	10.76	12.72	12.54
258.7576	12.67	11.55	10.78	12.73	12.54
258.8541	12.67	11.50	10.83	12.76	12.55
258.9505	12.66	11.56	10.81	12.75	12.56
259.0469	12.65	11.60	10.82	12.78	12.57
259.1434	12.66	11.51	10.88	12.78	12.58
259.2398	12.66	11.45	10.88	12.77	12.59
259.3363	12.65	11.50	10.82	12.77	12.58
259.4327	12.65	11.51	10.82	12.75	12.58
259.5292	12.66	11.48	10.83	12.75	12.57
259.6256	12.65	11.44	10.78	12.74	12.55
259.7220	12.64	11.40	10.74	12.68	12.52
259.8185	12.62	11.48	10.70	12.66	12.52
259.9149	12.63	11.52	10.70	12.71	12.48
260.0114	12.63	11.42	10.70	12.67	12.45
260.1078	12.61	11.37	10.68	12.69	12.45
260.2043	12.60	11.46	10.69	12.69	12.46
260.3007	12.61	11.47	10.72	12.69	12.46
260.3972	12.58	11.40	10.74	12.70	12.48
260.4936	12.58	11.35	10.76	12.71	12.49
260.5900	12.59	11.39	10.77	12.69	12.51
260.6865	12.59	11.46	10.75	12.69	12.52
260.7829	12.57	11.41	10.77	12.68	12.51
260.8794	12.59	11.34	10.76	12.66	12.49
260.9758	12.57	11.37	10.71	12.68	12.49
261.0723	12.57	11.44	10.67	12.63	12.46
261.1687	12.57	11.42	10.63	12.64	12.44
261.2651	12.58	11.40	10.65	12.68	12.42
261.3616	12.57	11.35	10.65	12.69	12.41
261.4580	12.59	11.42	10.61	12.63	12.41
261.5545	12.58	11.49	10.62	12.67	12.43
261.6509	12.59	11.40	10.70	12.69	12.44
261.7474	12.58	11.34	10.72	12.67	12.48
261.8438	12.59	11.44	10.71	12.67	12.50
261.9402	12.60	11.48	10.76	12.70	12.53
262.0367	12.59	11.43	10.78	12.71	12.54
262.1331	12.60	11.41	10.78	12.70	12.52
262.2296	12.61	11.42	10.78	12.71	12.52
262.3260	12.61	11.49	10.77	12.72	12.52
262.4225	12.60	11.51	10.74	12.71	12.50
262.5189	12.63	11.44	10.73	12.69	12.47
262.6154	12.62	11.43	10.75	12.73	12.49
262.7118	12.63	11.53	10.71	12.70	12.50
262.8082	12.65	11.55	10.70	12.68	12.50
262.9047	12.65	11.48	10.75	12.69	12.49
263.0011	12.64	11.45	10.80	12.74	12.53
263.0976	12.65	11.51	10.76	12.70	12.56
263.1940	12.66	11.56	10.80	12.71	12.56

263.2905	12.66	11.52	10.87	12.78	12.57
263.3869	12.67	11.47	10.87	12.79	12.58
263.4833	12.66	11.52	10.87	12.74	12.59
263.5798	12.66	11.59	10.88	12.76	12.61
263.6762	12.67	11.57	10.90	12.78	12.60
263.7727	12.66	11.52	10.87	12.77	12.55
263.8691	12.66	11.53	10.85	12.77	12.54
263.9656	12.67	11.59	10.84	12.73	12.56
264.0620	12.67	11.63	10.80	12.73	12.56
264.1584	12.67	11.55	10.80	12.72	12.52
264.2549	12.67	11.50	10.80	12.75	12.52
264.3513	12.67	11.58	10.80	12.76	12.53
264.4478	12.67	11.61	10.79	12.75	12.54
264.5442	12.66	11.53	10.83	12.74	12.54
264.6407	12.66	11.50	10.87	12.79	12.56
264.7371	12.66	11.53	10.86	12.79	12.57
264.8335	12.65	11.57	10.87	12.74	12.58
264.9300	12.64	11.56	10.89	12.76	12.58
265.0264	12.64	11.48	10.90	12.77	12.58
265.1229	12.63	11.48	10.86	12.74	12.54
265.2193	12.61	11.55	10.81	12.73	12.54
265.3158	12.63	11.55	10.77	12.73	12.52
265.4122	12.63	11.48	10.76	12.71	12.49
265.5087	12.63	11.43	10.73	12.71	12.47
265.6051	12.62	11.47	10.67	12.70	12.48
265.7015	12.64	11.51	10.69	12.71	12.46
265.7980	12.62	11.44	10.69	12.72	12.47
265.8944	12.62	11.35	10.72	12.66	12.49
265.9909	12.61	11.42	10.73	12.69	12.53
266.0873	12.61	11.48	10.74	12.72	12.53
266.1838	12.60	11.42	10.79	12.69	12.53
266.2802	12.59	11.38	10.78	12.67	12.53
266.3766	12.58	11.40	10.78	12.70	12.53
266.4731	12.58	11.44	10.76	12.66	12.51
266.5695	12.57	11.46	10.72	12.68	12.48
266.6660	12.59	11.41	10.68	12.69	12.45
266.7624	12.59	11.35	10.69	12.68	12.44
266.8589	12.59	11.42	10.62	12.64	12.45
266.9553	12.60	11.45	10.58	12.64	12.44
267.0517	12.60	11.36	10.63	12.65	12.43
267.1482	12.60	11.32	10.62	12.68	12.46
267.2446	12.60	11.38	10.61	12.63	12.48
267.3411	12.60	11.45	10.65	12.64	12.49
267.4375	12.59	11.40	10.72	12.71	12.51
267.5340	12.59	11.37	10.72	12.70	12.51
267.6304	12.59	11.39	10.72	12.68	12.50
267.7269	12.58	11.47	10.76	12.72	12.51
267.8233	12.58	11.47	10.78	12.71	12.51
267.9197	12.59	11.41	10.75	12.69	12.48
268.0162	12.59	11.42	10.73	12.74	12.48
268.1126	12.61	11.48	10.73	12.71	12.48
268.2091	12.61	11.51	10.68	12.68	12.48
268.3055	12.61	11.46	10.68	12.69	12.48
268.4020	12.64	11.40	10.71	12.71	12.49
268.4984	12.65	11.47	10.67	12.70	12.51
268.5948	12.64	11.53	10.68	12.71	12.50
268.6913	12.64	11.47	10.75	12.74	12.51
268.7877	12.65	11.45	10.80	12.78	12.53
268.8842	12.65	11.49	10.79	12.76	12.55
268.9806	12.64	11.54	10.82	12.74	12.56
269.0771	12.64	11.56	10.88	12.78	12.59

269.1735	12.64	11.52	10.89	12.77	12.57
269.2699	12.65	11.49	10.87	12.74	12.56
269.3664	12.65	11.58	10.84	12.75	12.59
269.4628	12.67	11.62	10.84	12.76	12.58
269.5593	12.68	11.51	10.81	12.73	12.55
269.6557	12.68	11.47	10.78	12.76	12.55
269.7522	12.68	11.55	10.76	12.76	12.55
269.8486	12.69	11.57	10.75	12.76	12.54
269.9450	12.69	11.52	10.76	12.77	12.52
270.0415	12.69	11.49	10.79	12.78	12.55
270.1379	12.69	11.52	10.82	12.77	12.57
270.2344	12.66	11.61	10.82	12.75	12.58
270.3308	12.66	11.58	10.86	12.74	12.59
270.4273	12.66	11.52	10.90	12.76	12.61
270.5237	12.65	11.54	10.89	12.76	12.60
270.6202	12.64	11.58	10.87	12.72	12.60
270.7166	12.65	11.58	10.83	12.73	12.58
270.8130	12.65	11.53	10.84	12.77	12.54
270.9095	12.65	11.46	10.78	12.76	12.51
271.0059	12.65	11.50	10.72	12.73	12.51
271.1024	12.66	11.55	10.70	12.74	12.49
271.1988	12.64	11.47	10.70	12.75	12.49
271.2953	12.65	11.41	10.70	12.72	12.49
271.3917	12.64	11.47	10.67	12.71	12.49
271.4881	12.63	11.53	10.71	12.71	12.51
271.5846	12.62	11.50	10.74	12.69	12.53
271.6810	12.61	11.45	10.78	12.68	12.52
271.7775	12.60	11.44	10.76	12.71	12.52
271.8739	12.58	11.50	10.78	12.72	12.52
271.9704	12.57	11.51	10.77	12.71	12.50
272.0668	12.59	11.42	10.76	12.68	12.49
272.1632	12.59	11.38	10.76	12.72	12.49
272.2597	12.58	11.45	10.68	12.72	12.47
272.3561	12.59	11.45	10.65	12.68	12.45
272.4526	12.59	11.38	10.65	12.68	12.43
272.5490	12.59	11.33	10.66	12.68	12.45
272.6455	12.60	11.38	10.60	12.62	12.45
272.7419	12.59	11.43	10.60	12.63	12.43
272.8384	12.58	11.42	10.65	12.68	12.44
272.9348	12.59	11.36	10.70	12.65	12.45
273.0312	12.57	11.39	10.70	12.65	12.46
273.1277	12.56	11.46	10.70	12.66	12.47
273.2241	12.57	11.44	10.77	12.68	12.49
273.3206	12.57	11.40	10.78	12.68	12.49
273.4170	12.57	11.37	10.78	12.68	12.50
273.5135	12.59	11.43	10.78	12.66	12.52
273.6099	12.59	11.49	10.75	12.70	12.51
273.7063	12.60	11.40	10.72	12.67	12.47
273.8028	12.60	11.35	10.72	12.68	12.48
273.8992	12.61	11.44	10.69	12.69	12.49
273.9957	12.61	11.49	10.66	12.67	12.47
274.0921	12.62	11.45	10.69	12.67	12.44
274.1886	12.63	11.44	10.71	12.75	12.46
274.2850	12.62	11.47	10.74	12.73	12.47
274.3814	12.62	11.54	10.76	12.68	12.49
274.4779	12.61	11.57	10.79	12.72	12.54
274.5743	12.63	11.49	10.87	12.75	12.55
274.6708	12.62	11.48	10.86	12.74	12.57
274.7672	12.63	11.57	10.85	12.72	12.58
274.8637	12.64	11.58	10.87	12.73	12.61
274.9601	12.65	11.52	10.87	12.76	12.58

275.0565	12.65	11.49	10.82	12.76	12.55
275.1530	12.68	11.53	10.78	12.74	12.55
275.2494	12.67	11.60	10.77	12.78	12.55
275.3459	12.67	11.55	10.76	12.77	12.50
275.4423	12.68	11.50	10.78	12.74	12.51
275.5388	12.68	11.57	10.76	12.77	12.53
275.6352	12.67	11.62	10.78	12.78	12.54
275.7317	12.67	11.60	10.83	12.73	12.55
275.8281	12.66	11.55	10.86	12.74	12.57
275.9245	12.66	11.54	10.89	12.77	12.59
276.0210	12.66	11.58	10.85	12.74	12.60
276.1174	12.66	11.61	10.87	12.76	12.61
276.2139	12.67	11.53	10.90	12.79	12.59
276.3103	12.67	11.46	10.87	12.78	12.58
276.4068	12.66	11.54	10.79	12.75	12.57
276.5032	12.67	11.56	10.77	12.74	12.56
276.5996	12.68	11.48	10.78	12.77	12.53
276.6961	12.66	11.46	10.74	12.76	12.52
276.7925	12.66	11.49	10.71	12.70	12.51
276.8890	12.65	11.54	10.69	12.70	12.50
276.9854	12.64	11.52	10.73	12.72	12.49
277.0819	12.64	11.46	10.75	12.70	12.50
277.1783	12.62	11.45	10.75	12.71	12.50
277.2747	12.60	11.51	10.77	12.72	12.51
277.3712	12.61	11.51	10.78	12.71	12.52
277.4676	12.61	11.43	10.79	12.71	12.53
277.5641	12.59	11.39	10.80	12.73	12.52
277.6605	12.61	11.44	10.78	12.70	12.54
277.7570	12.60	11.47	10.72	12.68	12.53
277.8534	12.59	11.40	10.73	12.68	12.50
277.9499	12.60	11.33	10.72	12.68	12.49
278.0463	12.59	11.39	10.66	12.67	12.48
278.1427	12.58	11.45	10.63	12.64	12.43
278.2392	12.59	11.39	10.63	12.66	12.43
278.3356	12.59	11.37	10.66	12.68	12.43
278.4321	12.57	11.37	10.65	12.68	12.41
278.5285	12.56	11.41	10.64	12.66	12.41
278.6250	12.56	11.45	10.68	12.70	12.44
278.7214	12.57	11.37	10.72	12.68	12.47
278.8178	12.57	11.32	10.73	12.65	12.50
278.9143	12.57	11.42	10.72	12.66	12.52
279.0107	12.58	11.44	10.74	12.69	12.54
279.1072	12.58	11.36	10.74	12.67	12.52
279.2036	12.59	11.34	10.74	12.66	12.50
279.3001	12.60	11.40	10.69	12.68	12.51
279.3965	12.60	11.44	10.67	12.69	12.48
279.4929	12.60	11.42	10.67	12.68	12.44
279.5894	12.62	11.39	10.66	12.69	12.45
279.6858	12.61	11.41	10.68	12.71	12.46
279.7823	12.61	11.49	10.66	12.69	12.45
279.8787	12.62	11.49	10.68	12.70	12.47
279.9752	12.63	11.44	10.76	12.72	12.50
280.0716	12.61	11.43	10.79	12.72	12.54
280.1680	12.64	11.49	10.76	12.67	12.55
280.2645	12.64	11.52	10.81	12.71	12.58
280.3609	12.65	11.48	10.86	12.78	12.59
280.4574	12.65	11.42	10.83	12.77	12.58
280.5538	12.66	11.49	10.81	12.73	12.57
280.6503	12.65	11.57	10.79	12.76	12.57
280.7467	12.66	11.51	10.81	12.77	12.54
280.8432	12.66	11.48	10.78	12.76	12.52

280.9396	12.67	11.53	10.75	12.76	12.52
281.0360	12.67	11.59	10.77	12.74	12.52
281.1325	12.66	11.58	10.76	12.72	12.52
281.2289	12.67	11.53	10.79	12.74	12.53
281.3254	12.66	11.52	10.83	12.76	12.54
281.4218	12.66	11.59	10.84	12.77	12.55
281.5183	12.67	11.60	10.83	12.77	12.59
281.6147	12.67	11.52	10.89	12.77	12.59
281.7111	12.67	11.50	10.90	12.82	12.59
281.8076	12.67	11.55	10.86	12.80	12.60
281.9040	12.67	11.58	10.86	12.75	12.60
282.0005	12.65	11.54	10.86	12.78	12.59
282.0969	12.66	11.48	10.85	12.75	12.56
282.1934	12.65	11.52	10.79	12.72	12.54
282.2898	12.64	11.58	10.76	12.73	12.53
282.3862	12.65	11.56	10.77	12.71	12.51
282.4827	12.65	11.49	10.76	12.69	12.49
282.5791	12.64	11.48	10.73	12.71	12.49
282.6756	12.62	11.52	10.73	12.72	12.48
282.7720	12.63	11.53	10.78	12.74	12.49
282.8685	12.62	11.47	10.78	12.74	12.52
282.9649	12.62	11.39	10.81	12.71	12.52
283.0613	12.62	11.46	10.80	12.71	12.55
283.1578	12.61	11.51	10.80	12.73	12.56
283.2542	12.61	11.42	10.83	12.68	12.54
283.3507	12.60	11.37	10.80	12.67	12.53
283.4471	12.60	11.44	10.75	12.68	12.52
283.5436	12.58	11.46	10.73	12.64	12.49
283.6400	12.59	11.44	10.70	12.65	12.46
283.7365	12.59	11.39	10.67	12.68	12.44
283.8329	12.59	11.38	10.67	12.66	12.42
283.9293	12.58	11.43	10.61	12.64	12.41
284.0258	12.59	11.45	10.63	12.68	12.42
284.1222	12.59	11.37	10.70	12.70	12.44
284.2187	12.58	11.33	10.69	12.69	12.46
284.3151	12.58	11.42	10.69	12.65	12.47
284.4116	12.58	11.45	10.74	12.67	12.50
284.5080	12.57	11.40	10.77	12.70	12.51
284.6044	12.57	11.36	10.75	12.67	12.50
284.7009	12.58	11.41	10.72	12.66	12.50
284.7973	12.57	11.48	10.72	12.70	12.48
284.8938	12.56	11.45	10.71	12.67	12.46
284.9902	12.58	11.39	10.68	12.65	12.44
285.0867	12.59	11.43	10.66	12.69	12.45
285.1831	12.59	11.48	10.66	12.68	12.43
285.2795	12.59	11.47	10.63	12.67	12.44
285.3760	12.61	11.43	10.67	12.68	12.44
285.4724	12.61	11.39	10.71	12.70	12.48
285.5689	12.62	11.46	10.68	12.68	12.50
285.6653	12.61	11.51	10.72	12.71	12.51
285.7618	12.62	11.44	10.80	12.72	12.52
285.8582	12.62	11.41	10.81	12.74	12.54
285.9547	12.62	11.49	10.78	12.71	12.54
286.0511	12.62	11.54	10.81	12.73	12.55
286.1475	12.63	11.50	10.85	12.75	12.55
286.2440	12.62	11.48	10.82	12.72	12.54
286.3404	12.64	11.50	10.79	12.70	12.53
286.4369	12.65	11.56	10.79	12.72	12.54
286.5333	12.66	11.56	10.79	12.73	12.53
286.6298	12.67	11.49	10.76	12.71	12.52
286.7262	12.67	11.47	10.77	12.72	12.52

286.8226	12.66	11.55	10.77	12.74	12.54
286.9191	12.67	11.57	10.77	12.75	12.54
287.0155	12.68	11.51	10.82	12.76	12.53
287.1120	12.67	11.48	10.85	12.81	12.56
287.2084	12.67	11.54	10.85	12.77	12.59
287.3049	12.66	11.60	10.86	12.75	12.60
287.4013	12.65	11.54	10.91	12.77	12.60
287.4977	12.66	11.49	10.91	12.78	12.60
287.5942	12.66	11.54	10.87	12.75	12.59
287.6906	12.65	11.59	10.84	12.73	12.58
287.7871	12.66	11.55	10.82	12.73	12.57
287.8835	12.67	11.50	10.81	12.76	12.54
287.9800	12.67	11.49	10.76	12.75	12.52
288.0764	12.66	11.53	10.73	12.72	12.51
288.1728	12.66	11.56	10.71	12.75	12.50
288.2693	12.65	11.49	10.75	12.77	12.50
288.3657	12.65	11.43	10.77	12.75	12.50
288.4622	12.64	11.53	10.74	12.76	12.52
288.5586	12.63	11.56	10.77	12.75	12.55
288.6551	12.62	11.47	10.83	12.71	12.54
288.7515	12.60	11.45	10.84	12.71	12.54
288.8480	12.60	11.48	10.80	12.73	12.55
288.9444	12.60	11.51	10.79	12.72	12.53
289.0408	12.59	11.50	10.75	12.72	12.51
289.1373	12.62	11.42	10.72	12.70	12.49
289.2337	12.62	11.41	10.71	12.70	12.48
289.3302	12.60	11.46	10.63	12.70	12.47
289.4266	12.62	11.45	10.60	12.67	12.45
289.5231	12.62	11.38	10.62	12.68	12.45
289.6195	12.60	11.35	10.65	12.69	12.47
289.7159	12.61	11.40	10.61	12.63	12.47
289.8124	12.60	11.45	10.63	12.66	12.48
289.9088	12.58	11.40	10.71	12.71	12.49
290.0053	12.59	11.33	10.72	12.66	12.49
290.1017	12.57	11.41	10.71	12.65	12.51
290.1982	12.57	11.46	10.73	12.70	12.51
290.2946	12.58	11.40	10.76	12.70	12.49
290.3910	12.58	11.37	10.71	12.68	12.47
290.4875	12.57	11.39	10.70	12.68	12.49
290.5839	12.59	11.41	10.70	12.65	12.48
290.6804	12.59	11.43	10.64	12.66	12.47
290.7768	12.60	11.37	10.63	12.64	12.44
290.8733	12.60	11.34	10.65	12.66	12.47
290.9697	12.60	11.42	10.64	12.66	12.47
291.0662	12.60	11.46	10.62	12.64	12.46
291.1626	12.61	11.41	10.69	12.68	12.47
291.2590	12.60	11.39	10.73	12.75	12.49
291.3555	12.60	11.46	10.74	12.70	12.49
291.4519	12.60	11.50	10.76	12.70	12.50
291.5484	12.58	11.49	10.81	12.75	12.52
291.6448	12.61	11.43	10.84	12.73	12.52
291.7413	12.60	11.47	10.81	12.71	12.53
291.8377	12.61	11.54	10.80	12.71	12.54
291.9341	12.62	11.51	10.79	12.71	12.54
292.0306	12.64	11.48	10.76	12.70	12.53
292.1270	12.65	11.46	10.73	12.71	12.52
292.2235	12.66	11.52	10.73	12.72	12.52
292.3199	12.66	11.57	10.71	12.75	12.51
292.4164	12.66	11.52	10.73	12.74	12.50
292.5128	12.66	11.47	10.79	12.76	12.51
292.6092	12.66	11.56	10.79	12.77	12.53

292.7057	12.65	11.62	10.82	12.77	12.55
292.8021	12.65	11.54	10.86	12.73	12.55
292.8986	12.64	11.52	10.90	12.76	12.58
292.9950	12.65	11.57	10.91	12.75	12.59
293.0915	12.65	11.59	10.88	12.73	12.60
293.1879	12.66	11.58	10.88	12.75	12.60
293.2843	12.68	11.53	10.86	12.78	12.57
293.3808	12.68	11.48	10.82	12.76	12.55
293.4772	12.67	11.55	10.77	12.74	12.55
293.5737	12.68	11.57	10.75	12.74	12.54
293.6701	12.69	11.49	10.76	12.76	12.53
293.7666	12.67	11.47	10.75	12.77	12.52
293.8630	12.67	11.53	10.74	12.72	12.52
293.9595	12.66	11.59	10.77	12.72	12.54
294.0559	12.64	11.53	10.83	12.73	12.54
294.1523	12.64	11.48	10.82	12.72	12.55
294.2488	12.64	11.52	10.82	12.71	12.55
294.3452	12.61	11.58	10.85	12.73	12.56
294.4417	12.62	11.52	10.84	12.72	12.56
294.5381	12.62	11.46	10.82	12.73	12.53
294.6346	12.62	11.46	10.78	12.75	12.51
294.7310	12.61	11.48	10.75	12.73	12.51
294.8274	12.62	11.48	10.71	12.69	12.50
294.9239	12.62	11.43	10.70	12.69	12.48
295.0203	12.61	11.38	10.68	12.70	12.47
295.1168	12.60	11.44	10.64	12.66	12.46
295.2132	12.60	11.50	10.63	12.64	12.43
295.3097	12.58	11.42	10.68	12.67	12.47
295.4061	12.58	11.39	10.72	12.66	12.46
295.5025	12.57	11.43	10.68	12.66	12.45
295.5990	12.56	11.46	10.71	12.67	12.45
295.6954	12.55	11.44	10.77	12.70	12.48
295.7919	12.57	11.37	10.77	12.68	12.47
295.8883	12.56	11.36	10.74	12.66	12.47
295.9848	12.56	11.42	10.74	12.68	12.49
296.0812	12.57	11.42	10.73	12.69	12.49
296.1777	12.59	11.35	10.70	12.64	12.46
296.2741	12.58	11.32	10.70	12.65	12.46
296.3705	12.58	11.40	10.65	12.66	12.47
296.4670	12.59	11.44	10.63	12.65	12.43
296.5634	12.59	11.38	10.64	12.65	12.41
296.6599	12.59	11.35	10.67	12.69	12.44
296.7563	12.59	11.41	10.68	12.66	12.45
296.8528	12.58	11.48	10.68	12.67	12.44
296.9492	12.58	11.43	10.75	12.69	12.48
297.0456	12.60	11.38	10.79	12.70	12.50
297.1421	12.60	11.43	10.79	12.70	12.53
297.2385	12.60	11.47	10.78	12.67	12.55
297.3350	12.61	11.46	10.82	12.70	12.56
297.4314	12.63	11.44	10.80	12.75	12.54
297.5279	12.63	11.41	10.77	12.72	12.53
297.6243	12.64	11.47	10.76	12.69	12.52
297.7207	12.64	11.54	10.72	12.75	12.51
297.8172	12.65	11.48	10.74	12.73	12.49
297.9136	12.64	11.45	10.73	12.73	12.48
298.0101	12.65	11.54	10.71	12.73	12.50
298.1065	12.65	11.59	10.75	12.73	12.51
298.2030	12.64	11.54	10.79	12.72	12.52
298.2994	12.65	11.51	10.82	12.75	12.55
298.3958	12.66	11.53	10.84	12.75	12.57
298.4923	12.65	11.58	10.85	12.75	12.60

298.5887	12.65	11.57	10.85	12.75	12.61
298.6852	12.67	11.50	10.89	12.77	12.59
298.7816	12.67	11.50	10.86	12.82	12.59
298.8781	12.66	11.56	10.80	12.79	12.57
298.9745	12.67	11.57	10.80	12.75	12.56
299.0710	12.68	11.53	10.80	12.78	12.54
299.1674	12.67	11.49	10.79	12.77	12.53
299.2638	12.67	11.55	10.74	12.71	12.53
299.3603	12.67	11.60	10.74	12.74	12.53
299.4567	12.66	11.54	10.78	12.75	12.52
299.5532	12.66	11.48	10.80	12.71	12.54
299.6496	12.66	11.53	10.78	12.73	12.55
299.7461	12.63	11.56	10.81	12.75	12.55
299.8425	12.65	11.50	10.84	12.76	12.56
299.9389	12.65	11.47	10.82	12.76	12.57
300.0354	12.65	11.45	10.85	12.75	12.56
300.1318	12.64	11.48	10.82	12.75	12.57

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_2\Relazione\L2-B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 2 - Portata massima 250 l/s
 Filename = L2-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_2\Relazione\L2-B.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 25: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 35: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 103: Air Valve Performance Data
==-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 104: Air Valve Performance Data
==-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 106: Air Valve Performance Data
==-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 107: Air Valve Performance Data
==-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)

Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

PUMP at Node 501: Pump Performance Data
=====-
Not available for other pump options

PUMP at Node 502: Pump Performance Data
=====-
Not available for other pump options

PUMP at Node 503: Pump Performance Data
=====-
Not available for other pump options

AIRV at Node 632: Air Valve Performance Data
=====-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

3. Comizio irriguo n.3

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_3\Relazione\L3_D.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 3 - Portata massima 200 l/s
Filename = L3_D.PIC

****
*
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_3\Relazione\L3_D.lis
****
*

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	81.01	7.45	87.50	13.94
1	2	80.96	7.41	87.51	13.96
2	1	92.02	5.71	97.72	11.41
2	2	91.89	5.73	97.62	11.46
2	3	91.75	5.76	97.52	11.52
2	4	91.61	5.82	97.41	11.62
2	5	91.47	5.92	97.30	11.75
2	6	91.33	6.02	97.19	11.89
2	7	91.18	6.14	97.07	12.04
2	8	91.03	6.20	96.95	12.13
2	9	90.89	6.27	96.85	12.23
2	10	90.74	6.30	96.73	12.30
2	11	90.60	6.33	96.63	12.36
2	12	90.46	6.37	96.51	12.43
2	13	90.31	6.41	96.40	12.50
2	14	90.16	6.42	96.28	12.54
2	15	89.99	6.43	96.15	12.58
2	16	89.85	6.48	96.04	12.67
2	17	89.72	6.53	95.94	12.75
3	1	89.72	6.53	95.94	12.75
3	2	89.57	6.61	95.82	12.86
3	3	89.42	6.71	95.71	12.99
3	4	89.26	6.85	95.58	13.17
3	5	89.13	6.98	95.48	13.34
3	6	88.99	7.09	95.37	13.48
3	7	88.84	7.21	95.26	13.63
3	8	88.70	7.33	95.15	13.78
3	9	88.53	7.38	95.01	13.86
3	10	88.38	7.47	94.90	13.99
3	11	88.24	7.51	94.79	14.06
5	1	85.89	8.19	91.93	14.23
5	2	85.83	8.19	91.90	14.25
5	3	85.77	8.19	91.86	14.28
5	4	85.70	8.18	91.81	14.29
5	5	85.63	8.16	91.76	14.29
5	6	85.60	8.13	91.76	14.29
5	7	85.55	8.08	91.73	14.27
5	8	85.48	8.02	91.69	14.23

5	9	85.43	8.02	91.66	14.25
5	10	85.38	8.04	91.64	14.29
5	11	85.32	8.00	91.60	14.28
5	12	85.29	7.93	91.59	14.23
5	13	85.23	7.89	91.55	14.22
5	14	85.17	7.93	91.52	14.27
5	15	85.14	7.95	91.51	14.33
5	16	85.08	7.98	91.48	14.37
5	17	85.02	8.00	91.44	14.42
6	1	85.02	8.00	91.44	14.42
6	2	84.97	8.00	91.40	14.42
6	3	84.94	7.98	91.36	14.41
6	4	84.93	8.02	91.36	14.45
6	5	84.90	8.06	91.34	14.49
6	6	84.86	8.10	91.30	14.53
6	7	84.82	8.12	91.26	14.56
6	8	84.77	8.15	91.21	14.60
6	9	84.73	8.12	91.18	14.57
6	10	84.70	8.12	91.15	14.57
6	11	84.68	8.08	91.13	14.53
6	12	84.64	8.04	91.09	14.50
6	13	84.61	8.06	91.07	14.52
6	14	84.59	8.09	91.05	14.56
6	15	84.55	8.13	91.02	14.60
6	16	84.55	8.09	91.02	14.56
6	17	84.54	8.06	91.01	14.54
6	18	84.52	8.07	91.00	14.55
6	19	84.49	8.11	90.97	14.59
7	1	84.49	8.11	90.97	14.59
7	2	84.46	7.99	90.98	14.51
7	3	84.38	7.93	90.95	14.49
7	4	84.30	7.87	90.91	14.48
7	5	84.21	7.83	90.86	14.48
7	6	84.11	7.79	90.80	14.49
7	7	84.03	7.76	90.77	14.50
7	8	83.95	7.70	90.74	14.48
7	9	83.86	7.69	90.69	14.52
7	10	83.82	7.70	90.69	14.57
7	11	83.74	7.70	90.65	14.62
7	12	83.66	7.68	90.61	14.64
7	13	83.60	7.64	90.60	14.64
7	14	83.53	7.57	90.57	14.62
7	15	83.46	7.49	90.55	14.57
7	16	83.40	7.44	90.53	14.57
7	17	83.32	7.46	90.49	14.63
7	18	83.24	7.42	90.46	14.64
7	19	83.19	7.40	90.45	14.66
8	1	82.89	7.12	90.25	14.48
8	2	82.92	7.11	90.26	14.44
8	3	82.91	7.07	90.22	14.38
8	4	82.91	7.14	90.20	14.43
8	5	82.92	7.19	90.18	14.46
8	6	82.91	7.20	90.16	14.45
8	7	82.94	7.23	90.16	14.45
8	8	82.93	7.25	90.13	14.45
8	9	82.93	7.26	90.11	14.44
8	10	82.92	7.25	90.07	14.40
8	11	82.91	7.26	90.04	14.39
8	12	82.90	7.30	90.00	14.41
8	13	82.87	7.36	89.96	14.44

8	14	82.86	7.35	89.92	14.42
8	15	82.84	7.37	89.88	14.41
10	1	92.02	5.71	97.72	11.41
10	2	91.97	5.68	97.70	11.40
10	3	91.94	5.65	97.69	11.39
10	4	91.90	5.64	97.67	11.41
10	5	91.84	5.59	97.63	11.38
10	6	91.78	5.50	97.59	11.32
10	7	91.73	5.46	97.57	11.30
11	1	91.73	5.46	97.57	11.30
11	2	91.65	5.42	97.53	11.29
11	3	91.60	5.44	97.52	11.36
11	4	91.53	5.40	97.48	11.36
11	5	91.49	5.37	97.48	11.36
11	6	91.41	5.39	97.44	11.42
11	7	91.34	5.45	97.40	11.52
11	8	91.28	5.52	97.38	11.62
11	9	91.22	5.60	97.36	11.74
11	10	91.16	5.70	97.34	11.88
11	11	91.10	5.77	97.32	11.99
11	12	91.04	5.84	97.30	12.10
11	13	90.97	5.93	97.26	12.23
11	14	90.91	5.92	97.24	12.25
11	15	90.85	5.96	97.22	12.33
11	16	90.77	5.99	97.18	12.40
11	17	90.70	6.05	97.14	12.50
11	18	90.64	6.12	97.12	12.60
11	19	90.56	6.14	97.09	12.67
11	20	90.49	6.18	97.05	12.74
13	1	90.24	6.71	96.62	13.09
13	2	90.24	6.64	96.60	13.00
13	3	90.24	6.53	96.58	12.87
13	4	90.24	6.39	96.55	12.70
13	5	90.25	6.25	96.54	12.54
13	6	90.25	6.14	96.51	12.40
13	7	90.25	6.14	96.49	12.39
13	8	90.25	6.13	96.47	12.35
13	9	90.26	6.10	96.45	12.30
13	10	90.26	6.10	96.43	12.27
13	11	90.25	6.06	96.40	12.21
13	12	90.26	6.00	96.39	12.13
13	13	90.26	5.87	96.36	11.97
13	14	90.26	5.72	96.34	11.80
13	15	90.26	5.59	96.31	11.64
13	16	90.27	5.51	96.30	11.54
13	17	90.25	5.48	96.26	11.49
13	18	90.25	5.48	96.23	11.46
13	19	90.24	5.46	96.21	11.42
13	20	90.24	5.41	96.18	11.35
14	1	90.24	5.41	96.18	11.35
14	2	90.24	5.36	96.16	11.28
14	3	90.24	5.35	96.14	11.24
14	4	90.24	5.35	96.11	11.22
14	5	90.24	5.32	96.08	11.16
14	6	90.24	5.30	96.06	11.12
15	1	90.24	5.30	96.06	11.12
15	2	90.18	5.21	96.03	11.06
15	3	90.09	5.14	95.97	11.02
15	4	90.04	5.03	95.94	10.94
15	5	89.97	4.95	95.90	10.89

15	6	89.88	4.88	95.84	10.85
15	7	89.79	4.82	95.79	10.81
15	8	89.72	4.78	95.74	10.80
15	9	89.65	4.70	95.70	10.76
15	10	89.56	4.64	95.64	10.72
15	11	89.48	4.61	95.59	10.72
15	12	89.40	4.68	95.54	10.82
16	1	89.40	4.68	95.54	10.82
16	2	89.33	4.72	95.50	10.88
16	3	89.27	4.71	95.45	10.89
16	4	89.20	4.70	95.41	10.91
16	5	89.13	4.64	95.37	10.87
16	6	89.07	4.55	95.32	10.81
16	7	88.99	4.47	95.27	10.75
16	8	88.92	4.48	95.22	10.79
16	9	88.84	4.50	95.17	10.82
16	10	88.78	4.51	95.13	10.86
16	11	88.72	4.49	95.09	10.86
16	12	88.65	4.45	95.04	10.85
16	13	88.59	4.42	95.00	10.83
16	14	88.52	4.37	94.96	10.81
16	15	88.46	4.32	94.92	10.79
16	16	88.39	4.33	94.88	10.82
16	17	88.32	4.32	94.83	10.83
16	18	88.26	4.32	94.79	10.85
16	19	88.19	4.37	94.75	10.93
16	20	88.13	4.46	94.71	11.04
17	1	88.13	4.46	94.71	11.04
17	2	88.04	4.52	94.65	11.13
17	3	87.97	4.64	94.60	11.27
17	4	87.90	4.72	94.55	11.37
17	5	87.83	4.77	94.50	11.44
17	6	87.76	4.82	94.46	11.51
17	7	87.69	4.91	94.41	11.63
17	8	87.62	4.96	94.36	11.71
17	9	87.56	5.04	94.33	11.81
17	10	87.49	5.16	94.27	11.95
17	11	87.42	5.23	94.24	12.04
17	12	87.36	5.33	94.19	12.16
17	13	87.28	5.39	94.14	12.24
17	14	87.21	5.45	94.09	12.33
17	15	87.13	5.59	94.04	12.50
17	16	87.06	5.65	93.99	12.57
17	17	86.99	5.62	93.94	12.57
17	18	86.91	5.66	93.88	12.63
17	19	86.84	5.67	93.84	12.67
17	20	86.77	5.58	93.79	12.60
18	1	86.77	5.58	93.79	12.60
18	2	86.69	5.46	93.78	12.55
19	1	87.01	5.47	93.67	12.13
19	2	87.02	5.33	93.66	11.96
19	3	87.02	5.11	93.63	11.72
19	4	87.03	4.91	93.62	11.50
19	5	87.05	4.74	93.62	11.30
19	6	87.07	4.64	93.62	11.18
19	7	87.08	4.56	93.60	11.09
19	8	87.08	4.55	93.58	11.05
19	9	87.09	4.48	93.57	10.96
19	10	87.09	4.40	93.54	10.86
19	11	87.09	4.35	93.53	10.79

19	12	87.10	4.38	93.51	10.79
19	13	87.11	4.41	93.49	10.80
19	14	87.13	4.44	93.49	10.80
19	15	87.13	4.42	93.47	10.76
21	1	86.94	7.22	94.04	14.32
21	2	86.94	7.24	94.02	14.32
21	3	86.96	7.18	94.01	14.23
21	4	86.97	7.07	94.00	14.10
21	5	86.96	6.95	93.96	13.96
21	6	86.95	6.80	93.94	13.78
21	7	86.95	6.73	93.91	13.69
21	8	86.94	6.68	93.88	13.62
21	9	86.94	6.59	93.85	13.50
21	10	86.96	6.51	93.85	13.40
21	11	86.98	6.33	93.84	13.20
21	12	86.97	6.15	93.81	12.99
21	13	86.98	6.03	93.80	12.85
21	14	86.98	5.95	93.78	12.75
21	15	86.98	5.87	93.76	12.65
21	16	86.97	5.78	93.73	12.53
21	17	86.98	5.71	93.71	12.44
21	18	86.98	5.65	93.68	12.36
21	19	86.99	5.59	93.67	12.27
21	20	87.01	5.47	93.67	12.13
22	1	86.94	7.22	94.04	14.32
22	2	86.90	7.24	93.98	14.32
22	3	86.86	7.17	93.92	14.22
22	4	86.82	7.10	93.85	14.13
22	5	86.79	7.07	93.79	14.07
22	6	86.75	7.04	93.73	14.02
22	7	86.72	7.12	93.67	14.08
22	8	86.69	7.22	93.62	14.15
22	9	86.66	7.30	93.57	14.21
22	10	86.62	7.31	93.50	14.20
22	11	86.57	7.29	93.43	14.15
22	12	86.54	7.37	93.38	14.21
22	13	86.50	7.49	93.31	14.30
22	14	86.45	7.51	93.24	14.30
22	15	86.40	7.55	93.16	14.32
22	16	86.34	7.57	93.08	14.31
23	1	86.34	7.57	93.08	14.31
23	2	86.29	7.55	93.00	14.26
23	3	86.24	7.51	92.93	14.19
23	4	86.22	7.48	92.88	14.15
23	5	86.18	7.50	92.81	14.14
23	6	86.13	7.58	92.75	14.19
23	7	86.11	7.57	92.69	14.16
23	8	86.07	7.57	92.63	14.13
23	9	86.03	7.60	92.56	14.13
23	10	85.98	7.65	92.49	14.16
23	11	85.95	7.68	92.43	14.16
23	12	85.91	7.68	92.36	14.13
23	13	85.87	7.70	92.30	14.13
23	14	85.82	7.75	92.22	14.16
23	15	85.78	7.85	92.15	14.22
23	16	85.76	7.91	92.11	14.26
23	17	85.73	7.88	92.05	14.21
23	18	85.69	7.88	91.99	14.18
24	1	85.69	7.88	91.99	14.18
24	2	85.65	7.86	91.98	14.19

24	3	85.63	7.85	91.98	14.20
24	4	85.56	7.79	91.94	14.16
24	5	85.47	7.74	91.87	14.13
24	6	85.43	7.72	91.85	14.14
24	7	85.38	7.75	91.82	14.19
24	8	85.30	7.80	91.77	14.26
24	9	85.24	7.85	91.73	14.34
24	10	85.17	7.85	91.68	14.37
24	11	85.11	7.84	91.65	14.38
24	12	85.06	7.83	91.62	14.39
24	13	85.01	7.85	91.59	14.44
24	14	84.96	7.83	91.57	14.44
24	15	84.89	7.86	91.52	14.49
24	16	84.83	7.79	91.48	14.44
24	17	84.77	7.68	91.45	14.36
25	1	84.77	7.68	91.45	14.36
25	2	84.72	7.64	91.42	14.34
25	3	84.66	7.63	91.39	14.36
25	4	84.64	7.64	91.39	14.39
25	5	84.56	7.67	91.33	14.44
25	6	84.51	7.67	91.31	14.46
25	7	84.47	7.61	91.29	14.43
25	8	84.42	7.58	91.27	14.43
25	9	84.37	7.57	91.24	14.43
25	10	84.31	7.53	91.20	14.42
25	11	84.24	7.47	91.15	14.38
25	12	84.20	7.44	91.14	14.38
25	13	84.13	7.47	91.09	14.43
25	14	84.09	7.44	91.07	14.42
25	15	84.03	7.36	91.04	14.37
25	16	83.97	7.29	91.00	14.32
25	17	83.91	7.24	90.96	14.29
25	18	83.85	7.19	90.93	14.27
25	19	83.80	7.16	90.90	14.26
26	1	83.80	7.16	90.90	14.26
26	2	83.77	7.06	90.93	14.22
27	1	83.77	7.06	90.93	14.22
27	2	83.79	7.05	90.93	14.19
27	3	83.80	7.06	90.91	14.18
27	4	83.79	7.05	90.88	14.14
27	5	83.80	7.06	90.86	14.12
27	6	83.78	7.09	90.82	14.13
27	7	83.78	7.06	90.79	14.08
27	8	83.77	7.05	90.76	14.04
27	9	83.77	7.07	90.73	14.04
27	10	83.76	7.17	90.70	14.11
27	11	83.74	7.26	90.66	14.18
27	12	83.73	7.28	90.63	14.18
27	13	83.73	7.27	90.60	14.14
27	14	83.70	7.25	90.55	14.09
27	15	83.71	7.27	90.53	14.09
27	16	83.70	7.28	90.50	14.08
28	1	83.70	7.28	90.50	14.08
28	2	83.70	7.27	90.47	14.05
28	3	83.71	7.25	90.47	14.01
28	4	83.70	7.29	90.43	14.02
28	5	83.68	7.35	90.39	14.05
28	6	83.68	7.43	90.36	14.12
28	7	83.69	7.53	90.35	14.19
28	8	83.68	7.58	90.32	14.21

28	9	83.66	7.63	90.27	14.25
28	10	83.65	7.69	90.24	14.28
28	11	83.64	7.78	90.21	14.35
28	12	83.64	7.87	90.19	14.41
28	13	83.63	7.96	90.15	14.48
28	14	83.60	8.04	90.10	14.54
28	15	83.58	8.04	90.05	14.52
28	16	83.57	8.07	90.02	14.52
28	17	83.55	8.08	89.98	14.50
28	18	83.53	8.09	89.93	14.49
28	19	83.54	8.03	89.92	14.41
30	1	87.13	4.42	93.47	10.76
30	2	87.14	4.45	93.46	10.76
30	3	87.17	4.49	93.46	10.78
30	4	87.18	4.53	93.45	10.80
30	5	87.20	4.60	93.44	10.84
30	6	87.20	4.64	93.42	10.86
30	7	87.19	4.74	93.39	10.94
30	8	87.21	4.80	93.39	10.98
30	9	87.20	4.83	93.35	10.98
30	10	87.20	4.86	93.33	10.99
30	11	87.21	4.97	93.32	11.08
30	12	87.21	5.11	93.29	11.19
30	13	87.22	5.12	93.28	11.18
30	14	87.21	5.12	93.25	11.16
30	15	87.22	5.13	93.24	11.14
30	16	87.22	5.22	93.22	11.21
30	17	87.23	5.34	93.19	11.31
30	18	87.22	5.44	93.16	11.39
30	19	87.22	5.58	93.15	11.51
30	20	87.22	5.74	93.12	11.64
31	1	87.30	6.61	93.06	12.37
31	2	87.27	6.74	93.05	12.52
31	3	87.23	6.82	93.04	12.62
31	4	87.18	6.96	93.01	12.79
31	5	87.15	7.08	93.00	12.93
31	6	87.10	7.16	92.98	13.04
31	7	87.05	7.31	92.95	13.21
31	8	87.01	7.50	92.94	13.43
31	9	86.96	7.63	92.92	13.58
31	10	86.93	7.70	92.90	13.67
31	11	86.89	7.71	92.89	13.71
31	12	86.85	7.79	92.88	13.81
31	13	86.81	7.67	92.85	13.72
31	14	86.75	7.53	92.82	13.60
32	1	86.75	7.53	92.82	13.60
32	2	86.71	7.42	92.81	13.52
32	3	86.68	7.31	92.79	13.43
32	4	86.64	7.17	92.78	13.31
32	5	86.60	7.08	92.76	13.24
32	6	86.56	6.91	92.74	13.10
32	7	86.51	6.75	92.71	12.96
32	8	86.46	6.58	92.69	12.82
32	9	86.42	6.47	92.67	12.73
32	10	86.38	6.35	92.66	12.63
32	11	86.34	6.25	92.64	12.56
32	12	86.30	6.12	92.63	12.44
32	13	86.28	5.96	92.63	12.30
32	14	86.23	5.76	92.60	12.13
32	15	86.20	5.59	92.59	11.98

32	16	86.17	5.44	92.58	11.86
32	17	86.12	5.27	92.56	11.71
32	18	86.09	5.04	92.56	11.50
32	19	86.04	4.85	92.53	11.34
32	20	86.00	4.70	92.51	11.21
33	1	85.40	3.54	92.24	10.38
33	2	85.42	3.39	92.24	10.20
33	3	85.36	3.30	92.16	10.09
33	4	85.29	3.28	92.06	10.06
33	5	85.22	3.24	91.97	10.00
33	6	85.14	3.15	91.87	9.88
34	1	85.14	3.15	91.87	9.88
34	2	85.08	3.09	91.78	9.80
34	3	85.00	3.11	91.69	9.80
34	4	84.92	3.04	91.58	9.70
34	5	84.86	2.94	91.49	9.58
34	6	84.78	2.89	91.39	9.50
34	7	84.71	2.81	91.30	9.40
34	8	84.65	2.85	91.22	9.41
34	9	84.59	2.95	91.13	9.49
34	10	84.51	2.91	91.03	9.43
34	11	84.44	2.91	90.93	9.40
34	12	84.37	2.89	90.84	9.36
34	13	84.30	2.88	90.74	9.33
34	14	84.23	2.95	90.65	9.37
34	15	84.16	3.06	90.56	9.46
34	16	84.09	3.13	90.46	9.50
34	17	84.01	3.22	90.36	9.57
36	1	84.01	3.22	90.36	9.57
36	2	83.92	3.40	90.24	9.72
36	3	83.84	3.58	90.14	9.88
36	4	83.77	3.69	90.05	9.96
36	5	83.68	3.80	89.93	10.05
36	6	83.61	3.77	89.84	10.00
36	7	83.53	3.81	89.74	10.02
36	8	83.48	3.99	89.66	10.17
36	9	83.42	4.23	89.58	10.39
36	10	83.35	4.28	89.48	10.41
36	11	83.26	4.43	89.37	10.54
36	12	83.20	4.74	89.29	10.83
36	13	83.13	5.05	89.19	11.11
36	14	83.04	5.21	89.08	11.25
36	15	82.97	5.35	88.98	11.37
36	16	82.89	5.37	88.88	11.36
36	17	82.80	5.49	88.77	11.46
36	18	82.73	5.66	88.67	11.61
36	19	82.63	5.83	88.55	11.75
36	20	82.53	5.95	88.43	11.84
36	21	82.46	6.11	88.33	11.98
36	22	82.38	6.38	88.23	12.23
37	1	82.38	6.38	88.23	12.23
37	2	82.01	6.48	88.09	12.56
37	3	81.65	6.49	87.95	12.79
38	1	82.84	7.37	89.88	14.41
38	2	82.85	7.41	89.87	14.43
38	3	82.84	7.45	89.84	14.44
38	4	82.83	7.43	89.80	14.40
38	5	82.85	7.44	89.79	14.39
38	6	82.83	7.45	89.75	14.37
38	7	82.81	7.43	89.71	14.32

38	8	82.81	7.42	89.69	14.29
38	9	82.80	7.41	89.65	14.26
38	10	82.78	7.39	89.60	14.21
38	11	82.75	7.44	89.55	14.24
38	12	82.73	7.51	89.51	14.29
38	13	82.71	7.54	89.47	14.29
38	14	82.69	7.56	89.42	14.28
38	15	82.67	7.66	89.37	14.36
38	16	82.65	7.65	89.33	14.33
38	17	82.62	7.61	89.28	14.26
38	18	82.61	7.61	89.24	14.24
38	19	82.60	7.63	89.21	14.23
38	20	82.61	7.68	89.19	14.26
38	21	82.61	7.76	89.17	14.32
39	1	82.61	7.76	89.17	14.32
39	2	82.63	7.85	89.16	14.39
39	3	82.65	7.88	89.16	14.40
39	4	82.65	7.86	89.14	14.35
39	5	82.66	7.91	89.13	14.37
39	6	82.68	7.95	89.12	14.40
39	7	82.68	7.99	89.10	14.41
39	8	82.69	8.07	89.09	14.47
39	9	82.70	8.15	89.07	14.52
39	10	82.71	8.14	89.06	14.49
39	11	82.73	8.15	89.05	14.48
39	12	82.74	8.16	89.05	14.46
39	13	82.76	8.14	89.04	14.42
40	1	82.76	8.14	89.04	14.42
40	2	82.81	8.10	89.05	14.34
40	3	82.87	8.10	89.07	14.30
40	4	82.92	8.07	89.07	14.23
40	5	82.95	8.11	89.06	14.22
40	6	82.98	8.17	89.05	14.24
40	7	83.01	8.23	89.04	14.25
40	8	83.04	8.30	89.02	14.29
40	9	83.06	8.36	89.00	14.31
40	10	83.09	8.43	89.00	14.33
40	11	83.11	8.49	88.97	14.35
40	12	83.14	8.49	88.96	14.31
40	13	83.18	8.53	88.95	14.30
40	14	83.22	8.59	88.95	14.32
40	15	83.27	8.70	88.96	14.39
40	16	83.31	8.76	88.95	14.40
40	17	83.33	8.79	88.94	14.40
40	18	83.36	8.85	88.93	14.41
40	19	83.42	8.87	88.94	14.39
40	20	83.46	8.90	88.94	14.38
41	1	83.08	8.49	88.86	14.27
41	2	83.02	8.47	88.82	14.27
41	3	82.96	8.40	88.79	14.23
41	4	82.90	8.30	88.75	14.15
41	5	82.84	8.27	88.71	14.15
41	6	82.77	8.24	88.67	14.14
41	7	82.68	8.13	88.60	14.05
41	8	82.61	8.05	88.56	13.99
41	9	82.54	7.99	88.51	13.96
41	10	82.48	7.96	88.47	13.95
41	11	82.41	7.87	88.43	13.88
41	12	82.33	7.78	88.37	13.82
41	13	82.29	7.74	88.35	13.80

41	14	82.22	7.70	88.30	13.78
41	15	82.16	7.57	88.27	13.68
41	16	82.07	7.46	88.20	13.60
41	17	82.02	7.34	88.18	13.50
42	1	82.02	7.34	88.18	13.50
42	2	81.97	7.25	88.15	13.44
42	3	81.91	7.20	88.12	13.41
42	4	81.84	7.13	88.07	13.36
42	5	81.78	7.10	88.03	13.35
42	6	81.67	7.10	87.95	13.38
42	7	81.61	7.11	87.91	13.41
42	8	81.54	7.14	87.86	13.47
42	9	81.48	7.19	87.83	13.54
42	10	81.38	7.30	87.75	13.67
42	11	81.29	7.42	87.69	13.81
42	12	81.22	7.45	87.64	13.87
42	13	81.16	7.47	87.60	13.91
42	14	81.08	7.51	87.55	13.97
42	15	81.01	7.45	87.50	13.94
43	1	83.46	8.90	88.94	14.38
43	2	83.35	8.81	88.93	14.39
43	3	83.21	8.61	88.89	14.29
43	4	83.08	8.49	88.86	14.27
44	1	80.59	7.50	86.53	13.44
44	2	80.47	7.48	86.39	13.40
44	3	80.36	7.28	86.25	13.18
44	4	80.25	7.18	86.12	13.05
44	5	80.14	7.11	85.99	12.96
44	6	80.05	7.12	85.87	12.94
44	7	79.93	7.04	85.73	12.84
44	8	79.83	6.93	85.60	12.71
44	9	79.68	6.76	85.43	12.52
44	10	79.55	6.66	85.28	12.39
44	11	79.45	6.66	85.16	12.37
44	12	79.30	6.59	84.99	12.27
44	13	79.19	6.54	84.85	12.20
44	14	79.10	6.56	84.74	12.20
44	15	79.04	6.55	84.65	12.17
44	16	78.91	6.55	84.51	12.14
44	17	78.82	6.48	84.39	12.05
44	18	78.76	6.48	84.30	12.02
44	19	78.67	6.50	84.20	12.02
44	20	78.62	6.50	84.12	12.00
45	1	83.19	7.40	90.45	14.66
45	2	83.13	7.34	90.41	14.63
45	3	83.05	7.27	90.36	14.58
45	4	82.96	7.21	90.30	14.55
45	5	82.89	7.12	90.25	14.48
46	1	83.44	8.18	89.49	14.23
46	2	83.37	8.21	89.45	14.29
46	3	83.29	8.20	89.39	14.30
46	4	83.24	8.21	89.36	14.33
46	5	83.15	8.26	89.29	14.40
46	6	83.10	8.23	89.26	14.39
46	7	83.02	8.20	89.21	14.38
46	8	82.97	8.17	89.18	14.38
49	1	82.59	7.73	89.08	14.22
49	2	82.55	7.81	89.06	14.32
49	3	82.51	7.81	89.05	14.35
49	4	82.47	7.74	89.03	14.30

49	5	82.44	7.67	89.02	14.26
49	6	82.39	7.62	89.00	14.23
49	7	82.37	7.60	89.00	14.23
49	8	82.33	7.57	88.98	14.23
49	9	82.31	7.55	88.99	14.22
49	10	82.27	7.53	88.97	14.22
49	11	82.25	7.50	88.97	14.22
49	12	82.24	7.46	88.98	14.20
49	13	82.20	7.43	88.97	14.20
49	14	82.16	7.33	88.95	14.12
49	15	82.15	7.24	88.96	14.05
49	16	82.11	7.19	88.95	14.03
49	17	82.08	7.18	88.94	14.04
49	18	82.04	7.13	88.93	14.01
49	19	82.02	7.06	88.92	13.97
49	20	81.99	7.02	88.92	13.95
51	1	81.99	7.02	88.92	13.95
51	2	82.02	7.06	88.92	13.97
51	3	81.97	6.99	88.86	13.88
51	4	81.98	6.99	88.84	13.85
51	5	81.95	6.98	88.79	13.82
51	6	81.91	6.99	88.73	13.80
51	7	81.90	6.91	88.69	13.70
51	8	81.88	6.89	88.65	13.66
51	9	81.85	6.94	88.60	13.69
51	10	81.81	7.06	88.53	13.78
51	11	81.80	7.15	88.49	13.85
51	12	81.79	7.23	88.46	13.90
51	13	81.78	7.31	88.43	13.96
51	14	81.77	7.34	88.40	13.97
51	15	81.75	7.41	88.36	14.02
51	16	81.72	7.40	88.30	13.98
51	17	81.70	7.40	88.26	13.96
51	18	81.69	7.41	88.22	13.95
51	19	81.66	7.41	88.17	13.92
51	20	81.63	7.43	88.12	13.92
52	1	90.49	6.18	97.05	12.74
52	2	90.45	6.22	97.03	12.81
52	3	90.40	6.22	97.01	12.82
52	4	90.37	6.28	96.99	12.91
52	5	90.31	6.37	96.96	13.02
52	6	90.28	6.47	96.95	13.14
52	7	90.24	6.51	96.93	13.20
53	1	81.20	7.56	87.23	13.59
53	2	81.02	7.37	87.10	13.45
53	3	80.83	7.20	86.96	13.33
53	4	80.64	7.11	86.81	13.28
53	5	80.45	7.09	86.67	13.31
53	6	80.28	7.07	86.54	13.34
53	7	80.09	6.95	86.40	13.27
53	8	79.88	6.84	86.24	13.20
53	9	79.70	6.75	86.11	13.16
53	10	79.51	6.70	85.97	13.16
53	11	79.33	6.68	85.83	13.19
53	12	79.13	6.61	85.68	13.16
53	13	78.94	6.50	85.54	13.09
53	14	78.75	6.44	85.39	13.09
53	15	78.56	6.40	85.25	13.09
53	16	78.37	6.28	85.11	13.02
53	17	78.19	6.13	84.98	12.92

53	18	77.99	6.01	84.83	12.85
53	19	77.80	5.89	84.68	12.78
53	20	77.62	5.86	84.55	12.79
53	21	77.43	5.80	84.41	12.78
53	22	77.25	5.73	84.27	12.76
53	23	77.07	5.60	84.14	12.68
53	24	76.88	5.53	84.00	12.65
53	25	76.69	5.39	83.85	12.56
53	26	76.49	5.15	83.70	12.37
53	27	76.31	5.03	83.57	12.29
53	28	76.12	5.00	83.43	12.31
53	29	75.94	4.89	83.29	12.25
53	30	75.76	4.68	83.16	12.08
53	31	75.58	4.52	83.03	11.97
53	32	75.39	4.28	82.89	11.78
54	1	86.69	5.46	93.78	12.55
54	2	86.71	5.43	93.78	12.49
54	3	86.68	5.43	93.72	12.47
54	4	86.65	5.41	93.67	12.43
54	5	86.63	5.32	93.63	12.31
54	6	86.60	5.16	93.57	12.14
54	7	86.56	5.04	93.51	11.99
54	8	86.53	4.91	93.46	11.84
54	9	86.50	4.85	93.40	11.75
54	10	86.46	4.76	93.34	11.64
54	11	86.44	4.70	93.29	11.56
54	12	86.41	4.61	93.24	11.44
54	13	86.38	4.57	93.19	11.38
54	14	86.35	4.61	93.14	11.40
54	15	86.32	4.67	93.09	11.44
54	16	86.30	4.66	93.04	11.40
54	17	86.26	4.59	92.98	11.30
54	18	86.24	4.47	92.94	11.17
54	19	86.22	4.40	92.89	11.07
55	1	86.22	4.40	92.89	11.07
55	2	86.17	4.26	92.82	10.92
55	3	86.09	4.12	92.73	10.75
55	4	86.03	3.99	92.65	10.60
55	5	85.96	3.82	92.56	10.42
55	6	85.89	3.63	92.47	10.21
55	7	85.82	3.44	92.39	10.01
55	8	85.75	3.17	92.30	9.71
55	9	85.68	2.91	92.21	9.44
55	10	85.60	2.70	92.12	9.21
55	11	85.54	2.55	92.03	9.05
55	12	85.46	2.41	91.94	8.89
55	13	85.38	2.35	91.84	8.81
55	14	85.31	2.21	91.76	8.66
55	15	85.22	2.07	91.65	8.50
55	16	85.15	1.93	91.56	8.33
55	17	85.07	1.87	91.46	8.26
56	1	85.07	1.87	91.46	8.26
56	2	85.03	1.78	91.38	8.13
56	3	84.98	1.65	91.30	7.96
56	4	84.93	1.56	91.20	7.83
56	5	84.88	1.58	91.11	7.81
56	6	84.83	1.63	91.02	7.82
56	7	84.77	1.66	90.93	7.82
56	8	84.72	1.66	90.84	7.78
57	1	84.72	1.66	90.84	7.78

57	2	84.61	1.58	90.75	7.73
57	3	84.48	1.52	90.65	7.69
57	4	84.35	1.57	90.54	7.76
57	5	84.22	1.73	90.44	7.95
57	6	84.09	1.87	90.34	8.11
57	7	83.97	2.11	90.24	8.38
57	8	83.85	2.28	90.15	8.57
57	9	83.73	2.40	90.05	8.72
57	10	83.62	2.44	89.96	8.78
57	11	83.50	2.72	89.86	9.09
57	12	83.38	2.85	89.77	9.24
58	1	83.38	2.85	89.77	9.24
58	2	83.27	3.09	89.68	9.51
58	3	83.15	3.49	89.59	9.93
58	4	83.02	3.79	89.48	10.25
58	5	82.90	3.89	89.38	10.37
58	6	82.77	3.98	89.28	10.48
58	7	82.65	4.06	89.18	10.59
58	8	82.53	4.23	89.08	10.78
58	9	82.41	4.43	88.98	11.01
58	10	82.30	4.60	88.90	11.20
58	11	82.19	4.80	88.81	11.42
58	12	82.07	4.90	88.71	11.55
58	13	81.96	5.06	88.63	11.73
58	14	81.84	5.23	88.54	11.92
58	15	81.73	5.44	88.45	12.15
58	16	81.62	5.61	88.36	12.35
58	17	81.49	5.71	88.25	12.47
58	18	81.36	5.88	88.15	12.66
58	19	81.24	6.00	88.05	12.81
58	20	81.13	6.14	87.96	12.97
59	1	81.13	6.14	87.96	12.97
59	2	81.01	6.08	87.86	12.93
59	3	80.89	6.04	87.77	12.91
59	4	80.77	6.07	87.66	12.97
59	5	80.64	6.23	87.56	13.15
59	6	80.52	6.33	87.46	13.27
59	7	80.39	6.48	87.36	13.45
59	8	80.26	6.62	87.25	13.60
59	9	80.14	6.63	87.14	13.64
59	10	79.99	6.45	87.02	13.48
60	1	79.99	6.45	87.02	13.48
60	2	80.19	6.60	87.02	13.43
60	3	80.39	6.68	87.02	13.31
60	4	80.60	6.84	87.02	13.27
60	5	80.80	7.01	87.02	13.23
60	6	81.00	7.10	87.02	13.12
61	1	81.00	7.10	87.02	13.12
61	2	80.88	6.89	86.88	12.89
61	3	80.76	6.80	86.73	12.77
61	4	80.64	6.77	86.60	12.72
61	5	80.52	6.73	86.45	12.66
61	6	80.40	6.77	86.31	12.68
61	7	80.28	6.63	86.17	12.51
61	8	80.23	6.70	86.10	12.56
61	9	80.15	6.81	85.99	12.65
61	10	80.07	6.67	85.88	12.49
61	11	79.95	6.62	85.75	12.42
61	12	79.87	6.59	85.64	12.36
61	13	79.75	6.57	85.50	12.32

63	1	81.65	6.49	87.95	12.79
63	2	81.63	6.45	87.95	12.77
63	3	81.58	6.39	87.93	12.73
63	4	81.56	6.24	87.93	12.61
63	5	81.52	6.18	87.92	12.57
63	6	81.50	6.01	87.92	12.43
63	7	81.47	5.76	87.91	12.20
63	8	81.45	5.61	87.91	12.07
63	9	81.41	5.39	87.90	11.88
63	10	81.38	5.18	87.89	11.69
63	11	81.31	4.94	87.84	11.48
63	12	81.26	4.77	87.82	11.32
63	13	81.23	4.55	87.81	11.13
63	14	81.17	4.34	87.77	10.95
63	15	81.15	4.19	87.78	10.82
63	16	81.09	4.02	87.74	10.66
63	17	81.04	3.87	87.71	10.54
63	18	81.00	3.73	87.69	10.42
63	19	80.95	3.56	87.67	10.27
63	20	80.92	3.38	87.66	10.12
64	1	80.92	3.38	87.66	10.12
64	2	80.89	3.18	87.65	9.95
64	3	80.87	2.92	87.66	9.71
64	4	80.85	2.86	87.65	9.67
64	5	80.81	2.81	87.64	9.64
64	6	80.77	2.76	87.62	9.61
64	7	80.75	2.52	87.62	9.40
64	8	80.72	2.43	87.62	9.33
64	9	80.70	2.36	87.62	9.28
65	1	80.86	2.72	87.52	9.38
65	2	80.88	2.69	87.51	9.33
65	3	80.88	2.71	87.49	9.32
65	4	80.88	2.79	87.47	9.38
65	5	80.90	2.90	87.47	9.46
65	6	80.91	3.05	87.46	9.60
65	7	80.90	3.26	87.42	9.78
65	8	80.91	3.42	87.41	9.92
65	9	80.91	3.63	87.38	10.11
65	10	80.90	3.82	87.35	10.27
65	11	80.91	4.12	87.33	10.55
65	12	80.90	4.44	87.31	10.85
65	13	80.90	4.79	87.28	11.18
65	14	80.91	5.08	87.26	11.44
65	15	80.92	5.29	87.25	11.63
65	16	80.91	5.40	87.22	11.71
65	17	80.92	5.44	87.21	11.72
65	18	80.93	5.57	87.19	11.83
65	19	80.93	5.72	87.17	11.97
65	20	80.95	5.89	87.17	12.11
67	1	80.95	5.89	87.17	12.11
67	2	80.96	6.07	87.16	12.26
67	3	80.98	6.25	87.15	12.42
67	4	80.98	6.47	87.13	12.63
67	5	80.99	6.59	87.12	12.72
67	6	80.99	6.74	87.10	12.85
67	7	80.99	6.78	87.08	12.86
67	8	81.01	6.88	87.07	12.95
67	9	81.00	7.03	87.04	13.07
67	10	81.00	7.10	87.02	13.12
68	1	80.96	7.63	87.31	13.98

68	2	80.90	7.62	87.23	13.95
68	3	80.88	7.61	87.18	13.91
68	4	80.87	7.62	87.14	13.90
68	5	80.85	7.62	87.10	13.88
68	6	80.81	7.65	87.04	13.88
68	7	80.79	7.63	87.00	13.84
68	8	80.77	7.61	86.95	13.79
68	9	80.76	7.58	86.92	13.74
68	10	80.74	7.60	86.87	13.73
68	11	80.72	7.62	86.82	13.73
68	12	80.70	7.53	86.78	13.62
68	13	80.68	7.55	86.74	13.61
68	14	80.66	7.58	86.69	13.61
68	15	80.64	7.56	86.65	13.57
68	16	80.62	7.53	86.61	13.52
68	17	80.60	7.53	86.57	13.50
68	18	80.59	7.50	86.53	13.44
69	1	80.89	7.66	87.30	14.07
69	2	80.96	7.63	87.31	13.98
70	1	80.96	7.41	87.51	13.96
70	2	80.99	7.40	87.52	13.93
70	3	80.98	7.45	87.48	13.95
70	4	80.98	7.56	87.46	14.04
70	5	80.95	7.63	87.41	14.09
70	6	80.94	7.64	87.37	14.08
70	7	80.89	7.66	87.30	14.07
71	1	90.24	6.51	96.93	13.20
71	2	90.26	6.56	96.93	13.22
71	3	90.26	6.64	96.90	13.28
71	4	90.26	6.78	96.88	13.40
71	5	90.26	6.94	96.86	13.53
71	6	90.25	6.96	96.82	13.53
71	7	90.24	6.98	96.79	13.52
71	8	90.24	7.00	96.77	13.53
71	9	90.24	6.99	96.74	13.49
71	10	90.24	6.98	96.72	13.45
71	11	90.24	6.96	96.69	13.41
71	12	90.25	6.92	96.68	13.35
71	13	90.24	6.82	96.65	13.22
71	14	90.24	6.71	96.62	13.09
72	1	79.99	6.45	87.02	13.48
72	2	79.83	6.45	86.88	13.50
72	3	79.67	6.47	86.74	13.55
72	4	79.51	6.38	86.60	13.48
72	5	79.35	6.06	86.47	13.18
72	6	79.19	5.97	86.33	13.12
72	7	79.05	5.78	86.22	12.95
72	8	78.88	5.59	86.07	12.78
72	9	78.73	5.53	85.94	12.74
72	10	78.57	5.47	85.81	12.71
72	11	78.41	5.30	85.67	12.56
72	12	78.24	5.18	85.53	12.47
72	13	78.08	5.11	85.38	12.42
72	14	77.93	5.13	85.25	12.46
72	15	77.77	5.14	85.12	12.49
72	16	77.63	5.13	85.01	12.51
72	17	77.49	5.06	84.89	12.46
72	18	77.37	4.99	84.79	12.41
72	19	77.22	4.82	84.67	12.26
72	20	77.10	4.68	84.57	12.15

72	21	76.95	4.60	84.44	12.09
73	1	81.29	7.45	87.45	13.61
73	2	81.28	7.35	87.41	13.49
73	3	81.25	7.32	87.37	13.44
73	4	81.24	7.40	87.33	13.50
73	5	81.22	7.46	87.29	13.53
73	6	81.21	7.54	87.26	13.59
73	7	81.20	7.56	87.23	13.59
74	1	81.29	7.45	87.45	13.61
74	2	81.26	7.49	87.48	13.71
74	3	81.21	7.47	87.50	13.76
74	4	81.15	7.42	87.51	13.78
74	5	81.09	7.41	87.51	13.84
74	6	81.01	7.45	87.50	13.94
75	1	81.63	7.43	88.12	13.92
75	2	81.61	7.49	88.07	13.95
75	3	81.58	7.55	88.02	13.99
75	4	81.54	7.52	87.96	13.94
75	5	81.52	7.55	87.91	13.95
75	6	81.48	7.60	87.86	13.97
75	7	81.46	7.61	87.81	13.96
75	8	81.45	7.63	87.78	13.95
75	9	81.42	7.57	87.72	13.87
75	10	81.40	7.56	87.67	13.84
75	11	81.36	7.48	87.61	13.74
75	12	81.34	7.43	87.57	13.66
75	13	81.32	7.43	87.53	13.64
75	14	81.32	7.43	87.50	13.61
75	15	81.29	7.45	87.45	13.61
76	1	82.97	8.17	89.18	14.38
76	2	82.94	8.18	89.17	14.42
76	3	82.92	8.22	89.18	14.47
76	4	82.89	8.06	89.17	14.34
76	5	82.87	7.92	89.17	14.22
76	6	82.83	7.79	89.16	14.12
76	7	82.79	7.73	89.14	14.08
76	8	82.77	7.73	89.14	14.10
76	9	82.73	7.75	89.13	14.14
76	10	82.71	7.71	89.13	14.13
76	11	82.66	7.69	89.10	14.14
76	12	82.64	7.71	89.11	14.18
76	13	82.59	7.73	89.08	14.22
77	1	83.54	8.03	89.92	14.41
77	2	83.52	8.01	89.88	14.36
77	3	83.51	7.93	89.84	14.26
77	4	83.50	7.86	89.81	14.17
77	5	83.49	7.85	89.78	14.14
77	6	83.49	7.86	89.75	14.13
77	7	83.48	7.92	89.72	14.15
77	8	83.47	7.98	89.69	14.19
77	9	83.48	8.06	89.67	14.25
77	10	83.47	8.05	89.64	14.22
77	11	83.47	8.05	89.62	14.19
77	12	83.46	8.06	89.58	14.18
77	13	83.46	8.08	89.56	14.18
77	14	83.44	8.09	89.51	14.17
77	15	83.44	8.18	89.49	14.23
78	1	85.69	7.88	91.99	14.18
78	2	85.74	7.91	91.99	14.16
78	3	85.79	7.99	91.98	14.18

78	4	85.83	8.06	91.97	14.21
78	5	85.86	8.16	91.95	14.26
78	6	85.89	8.19	91.93	14.23
79	1	88.24	7.51	94.79	14.06
79	2	88.00	7.48	94.65	14.13
79	3	87.75	7.47	94.50	14.21
79	4	87.50	7.39	94.35	14.24
79	5	87.26	7.36	94.21	14.30
79	6	87.01	7.28	94.06	14.33
80	1	87.22	5.74	93.12	11.64
80	2	87.24	5.86	93.11	11.74
80	3	87.24	5.99	93.10	11.84
80	4	87.26	6.17	93.09	12.00
80	5	87.26	6.32	93.07	12.13
80	6	87.29	6.45	93.08	12.23
80	7	87.30	6.61	93.06	12.37
81	1	86.00	4.70	92.51	11.21
81	2	85.95	4.62	92.49	11.15
81	3	85.91	4.47	92.47	11.03
81	4	85.87	4.30	92.45	10.88
81	5	85.82	4.15	92.43	10.75
81	6	85.79	4.03	92.41	10.65
81	7	85.74	3.94	92.39	10.60
81	8	85.70	3.92	92.38	10.59
81	9	85.63	3.89	92.33	10.59
81	10	85.59	3.86	92.31	10.58
81	11	85.54	3.83	92.29	10.57
81	12	85.51	3.80	92.28	10.57
81	13	85.47	3.76	92.26	10.55
81	14	85.43	3.66	92.24	10.48
81	15	85.40	3.54	92.24	10.38
82	1	80.70	2.36	87.62	9.28
82	2	80.72	2.42	87.62	9.32
82	3	80.74	2.48	87.62	9.35
82	4	80.77	2.48	87.62	9.33
82	5	80.78	2.50	87.61	9.33
82	6	80.79	2.57	87.60	9.38
82	7	80.81	2.69	87.58	9.46
82	8	80.82	2.69	87.58	9.45
82	9	80.84	2.72	87.58	9.45
82	10	80.87	2.74	87.58	9.45
82	11	80.88	2.78	87.56	9.46
82	12	80.86	2.72	87.52	9.38
101	1	7.18	-2.27	15.62	6.17
101	2	11.41	-6.52	20.56	2.63
102	1	7.18	-2.27	15.62	6.17
102	2	11.53	-4.85	20.68	4.30
103	1	7.18	-2.27	15.62	6.17
103	2	11.69	-6.89	20.84	2.26
104	1	88.62	-0.02	97.77	9.13
104	2	87.29	-0.38	97.69	10.02
105	1	88.67	-0.60	97.82	8.55
105	2	87.32	-0.46	97.72	9.94
106	1	88.65	0.68	97.80	9.83
106	2	87.30	-0.13	97.70	10.27
107	1	87.29	-0.38	97.69	10.02
107	2	87.32	-0.46	97.72	9.94
108	1	87.32	-0.46	97.72	9.94
108	2	87.30	-0.13	97.70	10.27
109	1	87.30	-0.13	97.70	10.27

109	2	87.34	0.14	97.74	10.54
110	1	87.34	0.14	97.74	10.54
110	2	89.83	3.02	97.73	10.92
111	1	89.83	3.02	97.73	10.92
111	2	92.02	5.71	97.72	11.41
112	1	88.67	-0.27	97.82	8.88
112	2	88.62	-0.02	97.77	9.13
113	1	88.67	-0.93	97.82	8.22
113	2	88.67	-0.60	97.82	8.55
114	1	88.66	0.63	97.81	9.78
114	2	88.65	0.68	97.80	9.83
115	1	78.58	6.50	84.08	12.00
115	2	78.57	6.45	84.07	11.95
116	1	78.53	6.45	84.03	11.95
116	2	75.76	3.62	84.06	11.92
117	1	75.35	4.28	82.85	11.78
117	2	75.35	4.09	82.85	11.59
118	1	75.31	4.09	82.81	11.59
118	2	73.77	2.52	82.81	11.56
119	1	82.61	7.76	89.17	14.32
119	2	82.63	7.75	89.19	14.31
120	1	82.60	7.75	89.16	14.31
120	2	82.65	7.75	89.21	14.31
121	1	82.61	7.75	89.17	14.31
121	2	80.59	5.69	89.19	14.29
122	1	82.97	8.17	89.18	14.38
122	2	82.98	8.14	89.19	14.35
123	1	82.95	8.14	89.16	14.35
123	2	82.95	8.03	89.16	14.24
124	1	82.91	8.03	89.12	14.24
124	2	80.63	5.67	89.13	14.17
125	1	86.22	4.40	92.89	11.07
125	2	86.23	4.29	92.90	10.96
126	1	86.19	4.29	92.86	10.96
126	2	86.19	4.22	92.86	10.89
127	1	86.15	4.22	92.82	10.89
127	2	84.26	2.30	92.83	10.87
128	1	81.65	6.49	87.95	12.79
128	2	81.66	6.40	87.96	12.70
129	1	81.62	6.40	87.92	12.70
129	2	81.62	6.24	87.92	12.54
130	1	81.59	6.24	87.89	12.54
130	2	79.54	4.15	87.90	12.51
131	1	79.71	6.57	85.46	12.32
131	2	79.74	6.45	85.49	12.20
132	1	79.70	6.45	85.45	12.20
132	2	77.13	3.78	85.47	12.12
133	1	76.91	4.60	84.40	12.09
133	2	76.90	4.57	84.39	12.06
134	1	76.87	4.57	84.36	12.06
134	2	75.17	2.82	84.37	12.02
135	1	0.00	-0.44	8.44	8.00
135	2	7.18	-2.27	15.62	6.17
137	1	87.01	7.28	94.06	14.33
137	2	86.94	7.22	94.04	14.32

Date Created: Friday, January 22, 2021 - Time: 7 : 6 PM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 3 - Portata massima 200 l/s

5	1	
79	4	50
74	4	50
60	4	50
2	6	30
19	7	40
100.00	-10.00	
300.0000	0.0446	

Time	Pipe 79@ 50%	Pipe 74@ 50%	Pipe 60@ 50%	Pipe 2@ 30%	Pipe 19@ 40%
0.0000	82.39	75.17	74.51	86.41	81.80
0.0446	82.39	75.17	74.51	86.41	81.80
0.0891	82.26	75.10	74.51	86.41	81.80
0.1337	82.27	75.10	74.51	86.49	81.80
0.1782	82.28	75.10	74.51	86.58	81.80
0.2228	82.29	75.08	74.51	86.72	81.80
0.2674	82.29	75.08	74.51	86.90	81.80
0.3119	82.29	75.08	74.51	86.90	81.80
0.3565	82.29	75.09	74.51	86.87	81.80
0.4011	82.29	75.09	75.41	87.03	81.80
0.4456	82.29	75.09	75.41	87.16	81.80
0.4902	82.29	75.08	75.39	87.20	81.80
0.5347	82.29	75.08	75.47	87.28	81.80
0.5793	82.29	75.08	76.38	87.42	81.86
0.6239	82.29	75.08	76.38	87.45	81.83
0.6684	82.36	75.07	76.45	87.48	81.81
0.7130	82.45	75.07	76.45	87.42	81.80
0.7576	82.58	75.07	76.46	87.47	81.81
0.8021	82.73	75.07	76.48	87.61	81.81
0.8467	82.71	75.08	76.49	87.60	81.80
0.8912	82.65	75.08	76.50	87.57	81.81
0.9358	82.75	75.07	76.49	87.66	81.81
0.9804	82.87	76.36	76.51	87.77	81.81
1.0249	82.91	76.37	76.29	87.79	81.81
1.0695	82.91	75.98	76.31	87.74	81.81
1.1140	82.97	77.27	76.32	87.74	81.81
1.1586	83.09	77.29	76.31	87.79	81.81
1.2032	83.10	77.39	76.34	87.84	81.81
1.2477	83.01	76.90	76.35	87.83	81.81
1.2923	83.02	76.86	76.49	87.83	81.86
1.3369	83.13	77.03	76.50	87.87	81.92
1.3814	83.15	77.03	76.50	87.90	82.01
1.4260	83.11	77.06	76.53	87.85	82.13
1.4705	83.15	76.97	76.51	87.77	82.13
1.5151	83.24	77.13	76.64	87.77	82.12
1.5597	83.26	77.78	76.87	87.83	82.22
1.6042	83.19	78.29	77.51	87.82	82.31
1.6488	83.17	78.30	77.61	87.77	82.32
1.6933	83.21	77.72	77.49	87.77	82.35
1.7379	83.27	77.56	77.42	87.83	82.42
1.7825	83.26	77.61	77.45	87.83	82.44
1.8270	83.24	77.88	77.51	87.77	82.46
1.8716	83.28	78.06	77.58	87.75	82.41
1.9162	83.33	78.02	77.57	87.80	82.44
1.9607	83.31	77.98	77.57	87.82	82.53
2.0053	83.27	77.91	77.59	87.79	82.51

2.0498	83.26	77.84	77.59	87.78	82.48
2.0944	83.31	77.87	77.61	87.81	82.53
2.1390	83.35	77.90	77.60	87.82	82.60
2.1835	83.31	78.06	77.61	87.79	82.61
2.2281	83.30	77.98	77.72	87.77	82.59
2.2727	83.34	77.97	77.74	87.80	82.58
2.3172	83.35	77.94	77.74	87.81	82.61
2.3618	83.30	77.97	77.75	87.81	82.65
2.4063	83.23	77.95	77.73	87.79	82.64
2.4509	83.26	77.47	77.78	87.81	82.63
2.4955	83.28	77.47	77.77	87.83	82.67
2.5400	83.27	77.47	77.91	87.83	82.70
2.5846	83.26	77.35	77.91	87.80	82.69
2.6291	83.28	77.32	77.94	87.81	82.66
2.6737	83.30	77.46	77.94	87.84	82.65
2.7183	83.28	77.27	78.04	87.83	82.68
2.7628	83.26	77.24	78.06	87.70	82.68
2.8074	83.28	77.36	78.07	87.69	82.65
2.8520	83.54	77.34	78.04	87.70	83.33
2.8965	83.53	77.39	78.04	87.69	83.41
2.9411	83.54	77.26	78.06	87.63	83.43
2.9856	83.75	77.36	78.08	87.62	83.25
3.0302	83.75	77.45	78.09	87.64	83.23
3.0748	83.78	77.52	78.11	87.65	83.26
3.1193	83.71	77.79	78.12	87.65	83.31
3.1639	83.71	77.44	78.13	87.66	83.29
3.2085	83.70	77.42	78.13	87.68	83.29
3.2530	83.73	77.35	78.16	88.28	83.31
3.2976	83.62	77.47	77.95	88.31	83.34
3.3421	83.64	77.69	77.63	88.30	83.57
3.3867	83.64	77.57	77.62	88.34	83.54
3.4313	83.67	77.58	77.69	88.36	83.57
3.4758	84.03	77.50	77.89	88.44	83.77
3.5204	84.03	77.55	77.87	88.66	83.75
3.5649	84.07	77.56	77.71	88.70	83.78
3.6095	84.01	77.65	77.51	88.62	83.73
3.6541	84.01	77.66	77.52	88.51	83.75
3.6986	84.03	77.63	77.50	88.51	83.73
3.7432	84.07	77.63	77.64	88.49	83.75
3.7878	84.63	77.61	77.64	88.49	83.75
3.8323	84.66	77.46	77.66	88.58	83.78
3.8769	84.65	77.48	77.63	88.54	83.78
3.9214	84.32	77.39	77.70	88.54	83.70
3.9660	84.34	77.42	77.70	88.54	83.41
4.0106	84.40	77.48	77.68	88.85	83.42
4.0551	84.48	77.58	77.64	88.81	83.45
4.0997	84.52	77.62	77.68	88.83	83.51
4.1443	84.41	77.57	77.68	88.70	83.49
4.1888	84.36	77.60	77.65	88.69	83.51
4.2334	84.40	77.59	77.61	88.67	83.52
4.2779	84.45	77.67	77.56	88.70	83.51
4.3225	84.44	77.63	77.66	88.68	83.53
4.3671	84.56	77.56	77.69	88.68	83.56
4.4116	84.54	77.59	77.72	88.62	83.97
4.4562	84.56	77.52	77.63	88.50	84.00
4.5007	84.51	77.57	77.54	88.47	83.98
4.5453	84.47	77.44	77.62	88.46	84.18
4.5899	84.42	77.31	77.63	88.44	84.21
4.6344	84.43	77.28	77.83	88.45	84.25
4.6790	84.41	77.49	77.79	88.44	84.40

4.7236	84.45	77.52	77.82	88.42	84.49
4.7681	84.43	77.48	77.88	88.42	84.47
4.8127	84.45	77.32	77.96	88.49	84.51
4.8572	84.44	77.25	78.00	88.49	84.92
4.9018	84.38	77.30	78.06	88.51	84.98
4.9464	84.32	77.42	78.12	88.50	84.94
4.9909	84.35	77.47	78.19	88.79	85.15
5.0355	84.35	77.49	78.21	89.03	85.12
5.0800	84.57	77.40	78.20	89.07	85.15
5.1246	84.52	77.47	78.24	89.13	85.14
5.1692	84.71	77.58	78.30	89.20	85.06
5.2137	84.78	77.72	78.23	89.25	85.02
5.2583	84.79	77.73	78.27	89.28	85.08
5.3029	84.81	77.71	78.29	89.21	85.04
5.3474	85.04	77.77	78.36	89.17	85.08
5.3920	85.31	77.82	78.36	89.14	84.97
5.4365	85.35	77.92	78.30	89.07	85.00
5.4811	85.65	78.00	78.29	89.06	85.06
5.5257	85.99	78.01	78.34	89.03	85.08
5.5702	86.29	77.85	78.31	89.02	85.25
5.6148	86.33	77.80	78.38	89.21	85.31
5.6594	86.30	78.11	78.46	89.24	85.19
5.7039	86.29	78.45	78.52	89.42	85.25
5.7485	86.31	78.53	78.54	89.41	85.24
5.7930	86.30	78.24	78.59	89.42	85.19
5.8376	86.23	78.17	78.68	89.43	85.34
5.8822	86.23	78.22	78.76	89.67	85.63
5.9267	86.13	78.35	78.79	89.91	85.57
5.9713	86.25	78.40	78.85	89.98	85.50
6.0158	86.25	78.33	78.89	90.14	85.56
6.0604	86.22	78.35	78.88	90.20	85.62
6.1050	86.26	78.48	78.88	90.20	85.47
6.1495	86.23	78.58	78.89	90.15	85.66
6.1941	86.26	78.62	78.90	90.24	85.83
6.2387	86.30	78.54	78.96	90.10	85.87
6.2832	86.26	78.47	78.96	90.03	85.98
6.3278	86.25	78.46	78.96	90.01	86.03
6.3723	86.24	78.53	78.94	90.03	86.06
6.4169	86.32	78.65	78.96	90.12	86.10
6.4615	86.25	78.65	78.96	90.05	86.15
6.5060	86.32	78.66	79.03	90.09	86.15
6.5506	86.18	78.60	78.98	90.10	86.12
6.5952	86.14	78.59	79.00	90.10	86.10
6.6397	86.12	78.65	79.00	90.06	86.11
6.6843	86.12	78.71	79.04	90.03	86.08
6.7288	86.25	78.75	79.04	90.03	86.08
6.7734	86.22	78.76	79.08	90.13	86.04
6.8180	86.16	78.78	79.08	90.23	86.08
6.8625	86.13	78.77	79.09	90.24	86.13
6.9071	86.15	78.80	79.09	90.19	86.08
6.9516	86.17	78.76	79.12	90.27	86.11
6.9962	86.19	78.77	79.15	90.19	86.19
7.0408	86.16	78.85	79.15	90.14	86.21
7.0853	86.14	78.82	79.15	90.11	86.17
7.1299	86.09	78.85	79.16	90.10	86.17
7.1745	86.02	78.89	79.21	90.13	86.10
7.2190	85.99	78.95	79.21	90.22	86.05
7.2636	86.00	78.86	79.18	90.18	86.02
7.3081	86.10	78.83	79.19	90.21	85.97
7.3527	86.21	78.89	79.17	90.21	86.15

7.3973	86.27	78.95	79.22	90.15	86.09
7.4418	86.24	79.03	79.19	90.05	85.98
7.4864	86.32	79.01	79.26	90.07	85.96
7.5310	86.26	79.03	79.24	90.10	85.89
7.5755	86.23	79.23	79.26	90.15	85.92
7.6201	86.24	79.21	79.25	90.13	85.78
7.6646	86.24	79.07	79.22	90.10	85.69
7.7092	86.29	79.26	79.22	90.09	85.71
7.7538	86.33	79.32	79.39	90.12	85.75
7.7983	86.34	79.25	79.40	90.13	85.76
7.8429	86.36	79.24	79.43	90.16	85.74
7.8874	86.40	79.51	79.42	90.19	85.79
7.9320	86.39	79.40	79.45	90.18	85.92
7.9766	86.33	79.34	79.47	90.19	85.99
8.0211	86.40	79.76	79.45	90.24	85.98
8.0657	86.38	79.91	79.48	90.20	85.91
8.1103	86.41	79.87	79.61	90.25	85.85
8.1548	86.35	80.10	79.56	90.18	85.88
8.1994	86.34	80.07	79.47	90.10	85.86
8.2439	86.32	80.11	79.44	90.13	85.87
8.2885	86.32	80.06	79.46	90.12	85.87
8.3331	86.33	80.04	79.42	90.15	85.91
8.3776	86.35	80.06	79.39	90.13	86.00
8.4222	86.40	80.10	79.39	90.17	85.98
8.4667	86.35	80.12	79.43	90.21	85.98
8.5113	86.35	80.00	79.39	90.19	86.01
8.5559	86.39	80.01	79.37	90.21	86.00
8.6004	86.43	80.02	79.54	90.15	85.98
8.6450	86.44	80.10	79.73	90.19	86.02
8.6896	86.34	80.00	79.75	90.12	85.99
8.7341	86.28	79.98	79.75	90.09	86.06
8.7787	86.31	80.08	79.72	90.03	86.00
8.8232	86.32	80.12	79.74	90.00	85.96
8.8678	86.31	80.13	79.75	90.06	85.99
8.9124	86.27	80.02	79.70	90.07	86.03
8.9569	86.27	79.98	79.67	90.18	86.03
9.0015	86.30	79.98	79.72	90.18	86.04
9.0461	86.26	80.10	79.67	90.22	86.05
9.0906	86.26	80.07	79.65	90.24	86.14
9.1352	86.21	80.03	79.63	90.29	86.15
9.1797	86.23	79.99	79.64	90.33	86.19
9.2243	86.20	80.04	79.63	90.29	86.22
9.2689	86.22	80.06	79.66	90.28	86.22
9.3134	86.10	80.09	79.64	90.29	86.12
9.3580	86.09	80.09	79.65	90.27	86.13
9.4025	86.10	80.10	79.66	90.24	86.23
9.4471	86.12	80.08	79.68	90.19	86.29
9.4917	86.23	80.00	79.63	90.16	86.30
9.5362	86.27	80.10	79.59	90.16	86.30
9.5808	86.25	80.20	79.64	90.13	86.29
9.6254	86.24	80.03	79.62	90.13	86.25
9.6699	86.29	80.03	79.62	90.07	86.25
9.7145	86.43	80.26	79.61	90.05	86.32
9.7590	86.41	80.37	79.55	90.05	86.35
9.8036	86.40	80.31	79.53	90.07	86.33
9.8482	86.37	80.39	79.59	90.00	86.29
9.8927	86.36	80.64	79.54	89.98	86.26
9.9373	86.30	80.85	79.46	89.98	86.31
9.9819	86.33	80.86	79.54	90.02	86.34
10.0264	86.37	80.70	79.49	90.08	86.48

10.0710	86.44	80.71	79.45	90.08	86.43
10.1155	86.44	80.79	79.58	90.06	86.45
10.1601	86.44	80.85	79.55	90.05	86.42
10.2047	86.42	80.82	79.60	90.10	86.42
10.2492	86.39	80.83	79.70	90.20	86.40
10.2938	86.44	80.82	79.76	90.20	86.40
10.3383	86.49	80.87	79.75	90.19	86.38
10.3829	86.53	80.85	79.82	90.17	86.34
10.4275	86.54	80.80	79.87	90.29	86.30
10.4720	86.58	80.82	79.97	90.25	86.25
10.5166	86.58	80.83	80.15	90.35	86.20
10.5612	86.56	80.87	80.20	90.38	86.19
10.6057	86.54	80.88	80.37	90.47	86.19
10.6503	86.63	80.82	80.35	90.49	86.14
10.6948	86.68	80.78	80.42	90.54	86.13
10.7394	86.70	80.82	80.45	90.52	86.15
10.7840	86.68	80.84	80.41	90.51	86.11
10.8285	86.70	80.83	80.34	90.53	86.02
10.8731	86.72	80.84	80.32	90.56	86.08
10.9177	86.71	80.83	80.31	90.61	86.03
10.9622	86.84	80.79	80.26	90.63	86.03
11.0068	86.85	80.83	80.19	90.67	86.05
11.0513	86.90	80.80	80.15	90.68	86.00
11.0959	86.84	80.83	80.24	90.65	86.00
11.1405	86.82	80.82	80.22	90.62	86.02
11.1850	86.79	80.89	80.26	90.67	86.09
11.2296	86.86	80.85	80.31	90.74	86.14
11.2741	86.84	80.91	80.34	90.79	86.15
11.3187	86.78	80.92	80.40	90.78	86.13
11.3633	86.76	80.86	80.38	90.77	86.09
11.4078	86.74	80.85	80.34	90.82	86.13
11.4524	86.76	80.91	80.34	90.78	86.22
11.4970	86.82	80.86	80.31	90.81	86.29
11.5415	86.85	80.81	80.22	90.75	86.27
11.5861	86.87	80.86	80.23	90.73	86.38
11.6306	86.86	80.81	80.21	90.68	86.30
11.6752	86.85	80.80	80.18	90.69	86.32
11.7198	86.80	80.88	80.13	90.63	86.28
11.7643	86.82	80.93	80.12	90.67	86.29
11.8089	86.87	80.90	80.10	90.66	86.27
11.8534	86.89	80.93	80.10	90.60	86.28
11.8980	86.88	81.00	80.01	90.59	86.27
11.9426	86.91	81.04	79.94	90.56	86.31
11.9871	86.86	81.04	79.97	90.56	86.29
12.0317	86.88	81.02	79.93	90.64	86.30
12.0763	86.86	80.99	79.93	90.67	86.34
12.1208	86.87	80.97	79.93	90.70	86.35
12.1654	86.80	80.95	79.89	90.69	86.43
12.2099	86.82	80.97	79.92	90.74	86.40
12.2545	86.80	80.96	79.91	90.70	86.42
12.2991	86.79	80.95	79.87	90.74	86.42
12.3436	86.77	80.88	79.87	90.87	86.39
12.3882	86.81	80.91	79.90	90.87	86.51
12.4328	86.82	80.93	79.91	90.91	86.57
12.4773	86.83	80.88	79.86	90.93	86.64
12.5219	86.81	80.85	79.84	90.89	86.63
12.5664	86.85	80.86	79.84	90.87	86.62
12.6110	86.90	80.90	79.87	90.90	86.54
12.6556	86.96	80.94	79.88	90.92	86.52
12.7001	86.96	80.89	79.88	90.82	86.47

12.7447	86.99	80.91	79.90	90.81	86.50
12.7892	86.98	80.92	79.90	90.76	86.44
12.8338	87.02	80.93	79.92	90.75	86.44
12.8784	87.15	80.88	79.90	90.70	86.49
12.9229	87.13	80.83	79.92	90.78	86.51
12.9675	87.18	80.87	79.95	90.80	86.54
13.0121	87.21	80.90	79.91	90.86	86.49
13.0566	87.20	80.83	79.96	90.83	86.48
13.1012	87.18	80.78	79.96	90.81	86.50
13.1457	87.18	80.81	80.00	90.83	86.50
13.1903	87.14	80.86	79.98	90.87	86.52
13.2349	87.10	80.84	79.98	90.92	86.53
13.2794	87.09	80.83	79.95	90.92	86.50
13.3240	87.06	80.80	79.93	90.94	86.47
13.3686	87.09	80.76	79.94	90.99	86.49
13.4131	87.05	80.77	79.90	91.02	86.45
13.4577	87.06	80.77	79.90	91.02	86.51
13.5022	87.06	80.73	79.89	91.03	86.54
13.5468	87.12	80.74	79.91	91.07	86.56
13.5914	87.11	80.75	79.87	91.07	86.57
13.6359	87.06	80.75	79.82	91.06	86.60
13.6805	87.04	80.76	79.84	91.05	86.58
13.7250	87.07	80.79	79.86	91.07	86.55
13.7696	87.09	80.80	79.83	91.03	86.54
13.8142	87.12	80.77	79.82	91.03	86.53
13.8587	87.11	80.84	79.84	91.05	86.48
13.9033	87.14	80.90	79.86	91.08	86.52
13.9479	87.14	80.95	79.84	91.09	86.51
13.9924	87.13	80.88	79.84	91.07	86.48
14.0370	87.12	80.83	79.82	91.05	86.46
14.0815	87.18	80.87	79.81	91.07	86.47
14.1261	87.20	80.95	79.81	91.06	86.44
14.1707	87.16	80.97	79.77	91.03	86.47
14.2152	87.15	80.95	79.79	91.04	86.45
14.2598	87.21	81.00	79.80	91.06	86.42
14.3044	87.17	80.98	79.79	91.03	86.39
14.3489	87.18	80.94	79.77	91.04	86.40
14.3935	87.16	80.94	79.81	90.99	86.44
14.4380	87.15	80.94	79.80	91.02	86.47
14.4826	87.18	80.95	79.77	91.01	86.50
14.5272	87.18	80.93	79.78	90.97	86.60
14.5717	87.16	80.93	79.79	90.97	86.60
14.6163	87.16	80.95	79.82	91.01	86.67
14.6608	87.16	80.96	79.81	91.00	86.62
14.7054	87.18	80.97	79.77	91.02	86.66
14.7500	87.17	80.96	79.74	91.00	86.71
14.7945	87.19	80.95	79.77	91.02	86.73
14.8391	87.17	80.97	79.79	91.06	86.80
14.8837	87.14	81.02	79.79	91.06	86.83
14.9282	87.09	81.00	79.78	90.99	86.79
14.9728	87.13	80.97	79.79	90.97	86.84
15.0173	87.08	80.94	79.79	90.99	86.85
15.0619	87.06	80.97	79.76	90.99	86.87
15.1065	87.07	80.90	79.75	90.98	86.92
15.1510	87.08	80.90	79.75	90.98	86.93
15.1956	87.07	80.94	79.77	91.01	86.95
15.2401	87.12	80.91	79.80	91.02	86.93
15.2847	87.10	80.94	79.82	91.04	86.94
15.3293	87.10	80.98	79.81	91.07	86.96
15.3738	87.17	81.00	79.82	91.06	86.98

15.4184	87.18	81.03	79.85	91.05	86.99
15.4630	87.17	81.06	79.87	91.04	86.99
15.5075	87.17	81.04	79.88	91.04	86.98
15.5521	87.19	81.03	79.91	90.99	87.01
15.5966	87.21	81.07	79.94	91.01	87.06
15.6412	87.19	81.05	79.92	91.01	87.02
15.6858	87.22	81.02	79.94	91.03	87.03
15.7303	87.23	80.99	79.92	91.03	87.03
15.7749	87.22	80.98	79.95	91.05	86.99
15.8195	87.29	80.97	80.01	91.04	86.98
15.8640	87.27	81.00	80.03	91.09	86.99
15.9086	87.26	81.04	80.03	91.14	86.96
15.9531	87.30	81.05	80.03	91.16	86.94
15.9977	87.32	81.07	80.08	91.19	86.97
16.0423	87.31	81.05	80.07	91.22	86.96
16.0868	87.30	81.03	80.06	91.23	86.92
16.1314	87.34	81.04	80.08	91.23	86.87
16.1759	87.35	81.00	80.08	91.23	86.87
16.2205	87.38	80.98	80.06	91.25	86.84
16.2651	87.38	81.02	80.05	91.24	86.83
16.3096	87.39	81.08	80.07	91.22	86.83
16.3542	87.41	81.08	80.08	91.23	86.85
16.3988	87.44	81.08	80.10	91.20	86.85
16.4433	87.49	81.04	80.10	91.22	86.85
16.4879	87.49	81.02	80.10	91.24	86.85
16.5324	87.46	80.99	80.10	91.21	86.85
16.5770	87.47	80.95	80.08	91.20	86.84
16.6216	87.48	80.95	80.08	91.20	86.90
16.6661	87.44	80.92	80.11	91.26	86.90
16.7107	87.43	80.94	80.14	91.27	86.88
16.7553	87.43	80.96	80.14	91.28	86.89
16.7998	87.40	80.98	80.13	91.29	86.90
16.8444	87.38	80.93	80.14	91.29	86.90
16.8889	87.36	80.90	80.13	91.29	86.94
16.9335	87.37	80.94	80.11	91.30	86.91
16.9781	87.41	80.98	80.11	91.32	86.94
17.0226	87.42	81.01	80.11	91.32	86.96
17.0672	87.38	80.95	80.12	91.27	86.91
17.1117	87.37	80.98	80.10	91.23	86.95
17.1563	87.35	81.00	80.15	91.24	86.93
17.2009	87.40	81.06	80.15	91.21	86.96
17.2454	87.39	81.10	80.16	91.21	86.95
17.2900	87.38	81.05	80.17	91.19	86.93
17.3346	87.35	81.08	80.16	91.21	86.96
17.3791	87.33	81.11	80.18	91.18	86.98
17.4237	87.33	81.15	80.18	91.18	86.96
17.4682	87.33	81.10	80.19	91.18	86.98
17.5128	87.32	81.06	80.22	91.19	87.00
17.5574	87.30	81.05	80.25	91.20	87.01
17.6019	87.30	81.05	80.28	91.20	87.02
17.6465	87.31	81.03	80.28	91.19	86.99
17.6911	87.28	80.94	80.29	91.18	86.98
17.7356	87.28	80.95	80.33	91.19	86.96
17.7802	87.29	80.96	80.36	91.18	86.97
17.8247	87.31	80.97	80.38	91.18	87.00
17.8693	87.32	80.93	80.36	91.17	86.97
17.9139	87.30	80.91	80.37	91.16	86.97
17.9584	87.30	80.93	80.38	91.19	86.98
18.0030	87.27	80.93	80.39	91.17	86.99
18.0475	87.27	80.89	80.37	91.17	87.00

18.0921	87.28	80.87	80.36	91.15	87.05
18.1367	87.31	80.89	80.37	91.17	87.07
18.1812	87.33	80.89	80.38	91.18	87.08
18.2258	87.31	80.88	80.38	91.17	87.04
18.2704	87.30	80.86	80.38	91.18	87.04
18.3149	87.29	80.86	80.38	91.15	87.00
18.3595	87.31	80.90	80.37	91.17	87.00
18.4040	87.32	80.91	80.39	91.16	87.01
18.4486	87.32	80.92	80.37	91.16	86.96
18.4932	87.34	80.93	80.39	91.18	86.98
18.5377	87.33	80.88	80.39	91.14	86.97
18.5823	87.33	80.84	80.40	91.15	86.96
18.6268	87.34	80.83	80.42	91.16	86.96
18.6714	87.34	80.84	80.45	91.17	86.96
18.7160	87.34	80.85	80.45	91.18	86.94
18.7605	87.35	80.83	80.45	91.17	86.96
18.8051	87.35	80.80	80.48	91.16	86.99
18.8497	87.32	80.82	80.48	91.14	86.99
18.8942	87.34	80.79	80.48	91.16	86.96
18.9388	87.32	80.79	80.50	91.15	86.96
18.9833	87.34	80.77	80.48	91.16	86.97
19.0279	87.35	80.74	80.48	91.18	86.98
19.0725	87.33	80.77	80.47	91.18	87.00
19.1170	87.36	80.80	80.47	91.19	87.02
19.1616	87.34	80.76	80.46	91.21	86.99
19.2062	87.33	80.76	80.45	91.20	86.97
19.2507	87.33	80.79	80.47	91.20	86.97
19.2953	87.33	80.78	80.49	91.19	86.96
19.3398	87.30	80.77	80.49	91.20	86.95
19.3844	87.28	80.78	80.53	91.19	86.96
19.4290	87.29	80.77	80.53	91.20	86.97
19.4735	87.29	80.80	80.54	91.18	86.95
19.5181	87.30	80.80	80.56	91.19	86.97
19.5626	87.33	80.76	80.55	91.19	86.99
19.6072	87.32	80.78	80.54	91.18	86.99
19.6518	87.33	80.83	80.56	91.20	86.97
19.6963	87.34	80.82	80.56	91.16	86.98
19.7409	87.35	80.82	80.54	91.15	86.98
19.7855	87.35	80.83	80.56	91.15	87.00
19.8300	87.33	80.83	80.57	91.15	86.98
19.8746	87.35	80.86	80.55	91.11	86.95
19.9191	87.35	80.84	80.55	91.11	86.92
19.9637	87.35	80.82	80.54	91.13	86.93
20.0083	87.35	80.80	80.52	91.13	86.91
20.0528	87.35	80.83	80.49	91.14	86.92
20.0974	87.35	80.86	80.50	91.16	86.92
20.1420	87.36	80.83	80.48	91.16	86.95
20.1865	87.35	80.82	80.45	91.17	86.94
20.2311	87.32	80.85	80.44	91.02	86.95
20.2756	87.32	80.86	80.44	90.22	86.96
20.3202	87.33	80.88	80.45	88.93	86.97
20.3648	87.35	80.87	80.42	87.25	86.97
20.4093	87.34	80.86	80.43	85.30	86.99
20.4539	87.34	80.87	80.45	83.40	86.98
20.4984	87.34	80.87	80.44	81.84	86.98
20.5430	87.34	80.85	80.44	80.49	86.98
20.5876	87.34	80.84	80.46	79.32	86.94
20.6321	87.34	80.83	80.46	78.07	86.93
20.6767	87.36	80.85	80.47	76.56	86.93
20.7213	87.36	80.86	80.50	74.87	86.94

20.7658	87.23	80.89	80.49	72.98	86.98
20.8104	86.47	80.89	80.50	70.96	86.94
20.8549	85.23	80.90	80.51	69.15	86.94
20.8995	83.67	80.87	80.50	67.64	86.93
20.9441	82.03	80.89	80.50	66.25	86.92
20.9886	80.55	80.91	80.49	65.00	86.94
21.0332	79.50	80.87	80.49	63.77	86.94
21.0777	78.72	80.83	80.50	62.36	86.92
21.1223	78.09	80.85	80.49	60.81	86.96
21.1669	77.32	80.86	80.49	59.19	86.96
21.2114	76.24	80.85	80.51	57.62	86.97
21.2560	74.95	80.84	80.52	56.20	86.96
21.3006	73.49	80.82	80.53	55.01	86.96
21.3451	71.98	80.84	80.56	53.92	86.94
21.3897	70.72	80.84	80.56	52.96	86.83
21.4342	69.75	80.83	80.58	52.03	86.30
21.4788	68.98	80.82	80.58	51.14	85.42
21.5234	68.28	80.84	80.59	50.30	84.26
21.5679	67.53	80.88	80.59	49.53	82.95
21.6125	66.59	80.86	80.59	48.80	81.67
21.6571	65.45	80.84	80.58	48.19	80.61
21.7016	64.24	80.84	80.55	47.61	79.72
21.7462	63.11	80.85	80.56	47.02	78.92
21.7907	62.17	80.86	80.57	46.41	78.09
21.8353	61.41	80.84	80.55	45.80	77.08
21.8799	60.76	80.84	80.54	45.57	75.94
21.9244	60.18	80.84	80.54	45.46	74.66
21.9690	59.58	80.85	80.53	45.06	73.31
22.0135	58.81	80.84	80.52	44.90	72.09
22.0581	57.95	80.83	80.52	44.65	71.09
22.1027	57.05	80.85	80.53	44.65	70.16
22.1472	56.16	80.85	80.53	44.95	69.31
22.1918	55.40	80.84	80.52	45.45	68.53
22.2364	54.76	80.86	80.52	45.83	67.60
22.2809	54.14	80.85	80.51	46.82	66.57
22.3255	53.57	80.83	80.52	48.04	65.45
22.3700	53.04	80.86	80.51	48.94	64.36
22.4146	52.87	80.85	80.50	49.25	63.37
22.4592	52.82	80.86	80.50	49.43	62.52
22.5037	52.53	80.86	80.48	49.52	61.77
22.5483	52.29	80.83	80.48	49.65	61.08
22.5929	51.93	80.86	80.48	49.51	60.42
22.6374	51.92	80.86	80.47	49.25	59.69
22.6820	52.13	80.87	80.46	49.13	58.88
22.7265	52.59	80.88	80.47	49.37	58.06
22.7711	52.87	80.87	80.47	49.70	57.25
22.8157	53.67	80.89	80.44	50.30	56.53
22.8602	54.64	80.91	80.44	51.03	55.97
22.9048	55.34	80.92	80.45	51.61	55.48
22.9493	55.26	80.91	80.45	51.96	55.05
22.9939	55.01	80.92	80.45	52.53	54.65
23.0385	54.76	80.93	80.46	53.22	54.43
23.0830	54.70	80.90	80.48	53.72	54.21
23.1276	54.44	80.89	80.45	53.69	53.75
23.1722	54.10	80.89	80.45	53.45	53.37
23.2167	53.89	80.88	80.45	53.29	52.98
23.2613	54.09	80.87	80.46	53.46	52.81
23.3058	54.41	80.85	80.46	53.47	52.89
23.3504	54.96	80.86	80.45	53.35	53.20
23.3950	55.52	80.88	80.45	53.15	53.44

23.4395	55.85	80.88	80.45	53.05	54.03
23.4841	55.78	80.86	80.44	52.88	54.74
23.5287	55.82	80.85	80.43	52.83	55.20
23.5732	56.01	80.85	80.43	52.82	55.20
23.6178	56.23	80.87	80.42	52.73	55.17
23.6623	55.96	80.85	80.43	52.36	55.11
23.7069	55.46	80.83	80.43	51.99	55.15
23.7515	55.13	80.83	80.44	51.78	55.01
23.7960	55.24	80.86	80.44	51.76	54.80
23.8406	55.32	80.87	80.45	51.62	54.63
23.8851	55.21	80.87	80.46	51.40	54.66
23.9297	54.94	80.86	80.46	51.21	54.76
23.9743	54.72	80.87	80.46	51.26	55.03
24.0188	54.63	80.88	80.48	51.24	55.40
24.0634	54.80	80.87	80.46	51.11	55.67
24.1080	54.93	80.86	80.47	50.94	55.73
24.1525	54.83	80.83	80.46	50.85	55.91
24.1971	54.36	80.82	80.46	50.69	56.16
24.2416	53.83	80.85	80.46	50.63	56.33
24.2862	53.43	80.85	80.44	50.67	56.16
24.3308	53.26	80.84	80.44	50.81	55.86
24.3753	52.82	80.83	80.45	50.87	55.69
24.4199	52.28	80.85	80.44	50.82	55.73
24.4644	51.92	80.85	80.43	50.70	55.65
24.5090	51.98	80.84	80.42	50.68	55.49
24.5536	52.10	80.82	80.43	50.66	55.30
24.5981	52.17	80.83	80.36	50.64	55.11
24.6427	52.06	80.84	79.98	50.57	55.02
24.6873	51.96	80.83	79.37	50.64	55.03
24.7318	51.85	80.82	78.54	50.67	55.01
24.7764	51.84	80.80	77.43	50.72	54.81
24.8209	51.83	80.81	76.26	50.82	54.44
24.8655	51.82	80.83	75.16	50.99	53.95
24.9101	51.55	80.83	74.13	50.98	53.52
24.9546	51.20	80.83	73.22	50.91	53.14
24.9992	50.96	80.85	72.35	50.89	52.61
25.0438	50.90	80.74	71.37	51.18	51.94
25.0883	50.83	80.46	70.30	51.45	51.37
25.1329	50.69	80.06	69.08	51.67	51.00
25.1774	50.51	79.36	67.70	51.79	50.74
25.2220	50.56	78.48	66.37	52.05	50.46
25.2666	50.71	77.53	65.14	52.35	50.10
25.3111	50.87	76.52	63.95	52.75	49.64
25.3557	51.01	75.54	62.80	53.01	49.12
25.4002	51.10	74.67	61.70	53.11	48.60
25.4448	51.13	73.83	60.48	52.97	48.05
25.4894	51.13	73.01	59.16	52.93	47.55
25.5339	51.15	72.18	57.75	53.06	47.01
25.5785	51.28	71.13	56.30	53.35	46.48
25.6231	51.26	70.01	54.87	53.41	46.02
25.6676	51.11	68.91	53.40	53.33	45.69
25.7122	50.86	67.79	51.83	53.24	45.42
25.7567	50.79	66.73	50.18	53.46	45.03
25.8013	50.83	65.81	48.42	53.71	44.60
25.8459	50.96	64.91	46.48	53.79	44.21
25.8904	50.99	64.04	44.56	53.63	43.86
25.9350	50.90	63.18	42.67	53.53	43.57
25.9796	50.60	62.25	40.83	53.52	43.37
26.0241	50.41	61.23	39.19	53.64	43.18
26.0687	50.32	60.26	37.69	53.71	43.02

26.1132	50.33	59.30	36.24	53.64	42.85
26.1578	50.09	58.43	34.86	53.38	42.72
26.2024	49.73	57.63	33.44	53.14	42.71
26.2469	49.37	56.84	32.16	53.03	42.70
26.2915	49.34	56.07	30.95	53.06	42.63
26.3360	49.36	55.28	29.61	52.99	42.53
26.3806	49.18	54.39	28.40	52.76	42.56
26.4252	48.78	53.47	27.25	52.46	42.70
26.4697	48.46	52.58	26.30	52.21	42.92
26.5143	48.27	51.68	25.52	51.84	43.10
26.5589	48.25	50.81	24.90	51.23	43.24
26.6034	48.21	49.98	24.29	50.44	43.27
26.6480	48.10	49.17	23.99	49.74	43.30
26.6925	47.92	48.43	23.87	49.18	43.44
26.7371	47.85	47.60	23.64	48.75	43.57
26.7817	47.93	46.80	23.17	48.26	43.64
26.8262	48.06	46.09	22.73	47.75	43.69
26.8708	47.96	45.34	22.23	47.18	43.87
26.9154	47.63	44.80	21.73	46.56	44.32
26.9599	47.29	44.24	21.09	45.91	44.99
27.0045	47.07	43.80	20.38	45.37	45.63
27.0490	46.91	43.59	19.74	44.89	46.01
27.0936	46.56	43.58	19.33	44.43	46.25
27.1382	46.03	43.47	19.01	44.01	46.44
27.1827	45.61	43.39	18.92	43.68	46.68
27.2273	45.40	43.24	19.01	43.36	46.90
27.2718	45.28	42.95	19.09	43.00	47.03
27.3164	45.08	42.42	19.13	42.51	47.15
27.3610	44.74	41.82	19.19	41.98	47.38
27.4055	44.30	41.17	19.18	41.41	47.79
27.4501	43.96	40.60	19.07	40.89	48.27
27.4947	43.78	40.02	18.77	40.42	48.64
27.5392	43.79	39.48	18.46	40.12	48.87
27.5838	43.89	39.07	18.33	39.95	49.02
27.6283	43.98	38.81	18.50	39.76	49.12
27.6729	43.96	38.53	18.84	39.51	49.22
27.7175	43.90	38.23	19.31	39.35	49.24
27.7620	43.79	37.98	19.89	39.23	49.17
27.8066	43.59	37.78	20.38	39.14	49.02
27.8511	43.23	37.51	20.77	39.02	48.94
27.8957	42.88	37.21	21.10	38.84	48.89
27.9403	42.61	36.84	21.33	38.69	48.84
27.9848	42.49	36.46	21.37	38.71	48.63
28.0294	42.40	36.00	21.27	38.88	48.30
28.0740	42.33	35.44	21.10	39.21	47.87
28.1185	42.21	34.96	20.98	39.56	47.43
28.1631	42.00	34.66	20.99	39.81	47.14
28.2076	41.67	34.33	21.03	39.96	47.00
28.2522	41.33	34.02	21.10	40.16	46.90
28.2968	41.07	33.84	21.25	40.39	46.71
28.3413	40.90	33.76	21.50	40.51	46.42
28.3859	40.71	33.67	21.85	40.49	46.09
28.4305	40.47	33.47	22.28	40.49	45.71
28.4750	40.21	33.21	22.71	40.69	45.27
28.5196	40.01	33.01	23.05	41.07	44.71
28.5641	39.88	32.82	23.28	41.41	44.13
28.6087	39.73	32.60	23.48	41.54	43.72
28.6533	39.54	32.36	23.70	41.53	43.41
28.6978	39.30	32.18	23.94	41.59	43.16
28.7424	39.16	32.05	24.11	41.73	42.80

28.7869	39.17	31.97	24.23	41.81	42.30
28.8315	39.28	31.93	24.36	41.80	41.63
28.8761	39.25	31.97	24.60	41.70	40.96
28.9206	39.05	31.98	24.94	41.59	40.16
28.9652	38.79	31.97	25.31	41.63	39.38
29.0098	38.66	31.93	25.66	41.76	38.49
29.0543	38.66	31.96	25.95	41.80	37.64
29.0989	38.62	32.01	26.13	41.80	36.77
29.1434	38.34	32.06	26.30	41.77	35.99
29.1880	38.05	32.08	26.54	41.96	35.22
29.2326	38.03	32.17	26.78	42.45	34.65
29.2771	38.26	32.27	26.98	42.98	34.01
29.3217	38.50	32.35	27.17	43.31	33.23
29.3663	38.45	32.34	27.45	43.54	32.34
29.4108	38.15	32.29	27.87	43.77	31.49
29.4554	37.83	32.24	28.35	44.03	30.71
29.4999	37.71	32.20	28.64	44.26	29.94
29.5445	37.58	32.18	28.73	44.42	29.07
29.5891	37.31	32.27	28.85	44.48	28.27
29.6336	36.87	32.41	29.02	44.60	27.64
29.6782	36.49	32.56	29.16	44.83	27.18
29.7227	36.44	32.69	29.24	45.13	26.69
29.7673	36.64	32.78	29.32	45.50	26.17
29.8119	36.71	32.79	29.42	45.80	25.60
29.8564	36.57	32.74	29.62	45.99	25.14
29.9010	36.28	32.61	29.92	46.15	24.76
29.9456	36.07	32.56	30.30	46.30	24.53
29.9901	36.03	32.53	30.63	46.41	24.33
30.0347	35.98	32.54	30.86	46.47	24.12
30.0792	35.74	32.52	31.06	46.34	23.89
30.1238	35.41	32.53	31.37	46.08	23.77
30.1684	35.18	32.49	31.70	45.73	23.74
30.2129	35.15	32.40	31.89	45.41	23.76
30.2575	35.19	32.25	32.00	45.14	23.84
30.3021	35.08	32.10	32.12	44.82	24.00
30.3466	34.70	31.96	32.36	44.34	24.26
30.3912	34.29	31.86	32.68	43.80	24.76
30.4357	34.07	31.77	32.96	43.19	25.29
30.4803	34.02	31.70	33.25	42.58	25.83
30.5249	33.97	31.61	33.53	41.93	26.36
30.5694	33.82	31.50	33.84	41.16	26.81
30.6140	33.61	31.30	34.14	40.16	27.24
30.6585	33.41	31.11	34.44	39.05	27.79
30.7031	33.26	30.86	34.71	37.95	28.29
30.7477	33.10	30.56	34.88	36.95	28.83
30.7922	32.85	30.25	34.93	36.03	29.40
30.8368	32.51	30.05	34.96	35.02	30.06
30.8814	32.20	29.89	35.03	33.88	30.81
30.9259	31.92	29.73	35.10	32.80	31.65
30.9705	31.69	29.49	35.08	31.87	32.35
31.0150	31.44	29.29	35.03	31.11	32.91
31.0596	31.11	29.13	34.99	30.29	33.32
31.1042	30.67	29.00	34.96	29.26	33.67
31.1487	30.18	28.79	34.94	28.09	33.96
31.1933	29.56	28.55	34.88	27.07	34.22
31.2378	28.89	28.34	34.79	26.30	34.35
31.2824	28.29	28.14	34.68	25.53	34.43
31.3270	27.76	27.91	34.56	24.64	34.45
31.3715	27.28	27.57	34.45	23.73	34.53
31.4161	26.87	27.20	34.39	22.99	34.57

31.4607	26.46	26.84	34.35	22.49	34.56
31.5052	26.16	26.43	34.22	22.18	34.43
31.5498	25.97	26.07	34.05	21.79	34.21
31.5943	25.69	25.72	33.90	21.28	33.86
31.6389	25.13	25.41	33.83	20.71	33.51
31.6835	24.37	25.12	33.76	20.33	33.09
31.7280	23.71	24.89	33.71	20.05	32.57
31.7726	23.24	24.66	33.67	19.77	31.90
31.8172	22.78	24.49	33.69	19.36	31.10
31.8617	22.16	24.25	33.71	18.89	30.16
31.9063	21.51	23.95	33.69	18.63	29.28
31.9508	21.02	23.65	33.62	18.61	28.46
31.9954	20.74	23.40	33.43	18.66	27.65
32.0400	20.56	23.15	33.18	18.67	26.76
32.0845	20.23	22.92	32.94	18.57	25.90
32.1291	19.76	22.67	32.78	18.53	25.11
32.1736	19.28	22.50	32.71	18.57	24.44
32.2182	18.97	22.37	32.62	18.65	23.75
32.2628	18.81	22.26	32.42	18.72	22.93
32.3073	18.57	22.12	32.22	18.72	21.97
32.3519	18.07	22.00	32.05	18.71	21.07
32.3965	17.47	21.81	31.93	18.73	20.25
32.4410	17.02	21.65	31.84	18.80	19.47
32.4856	16.75	21.56	31.74	18.90	18.67
32.5301	16.52	21.56	31.68	18.96	17.90
32.5747	16.15	21.55	31.75	18.93	17.15
32.6193	15.72	21.48	31.93	18.87	16.58
32.6638	15.45	21.39	32.16	18.85	16.18
32.7084	15.43	21.35	32.33	18.83	15.88
32.7530	15.57	21.30	32.40	18.81	15.56
32.7975	15.62	21.21	32.37	18.72	15.25
32.8421	15.52	21.05	32.29	18.54	14.95
32.8866	15.42	20.93	32.20	18.31	14.83
32.9312	15.42	20.89	32.06	18.02	14.73
32.9758	15.48	20.92	31.85	17.71	14.60
33.0203	15.46	20.92	31.64	17.45	14.45
33.0649	15.23	20.88	31.52	17.22	14.38
33.1094	14.97	20.83	31.50	17.00	14.36
33.1540	14.84	20.80	31.50	16.82	14.49
33.1986	14.84	20.77	31.42	16.65	14.66
33.2431	14.88	20.76	31.28	16.52	14.79
33.2877	14.87	20.77	31.09	16.47	14.94
33.3323	14.79	20.80	30.90	16.30	15.14
33.3768	14.78	20.85	30.66	16.00	15.41
33.4214	14.84	20.87	30.41	15.61	15.81
33.4659	14.83	20.93	30.14	15.21	16.23
33.5105	14.74	20.96	29.90	14.85	16.65
33.5551	14.61	20.95	29.64	14.48	17.09
33.5996	14.51	20.89	29.36	13.96	17.56
33.6442	14.53	20.84	29.10	13.42	18.04
33.6888	14.59	20.76	28.87	12.99	18.49
33.7333	14.58	20.63	28.61	12.69	18.84
33.7779	14.52	20.41	28.37	12.45	19.15
33.8224	14.55	20.17	28.17	12.22	19.45
33.8670	14.58	19.93	28.02	11.94	19.78
33.9116	14.59	19.71	27.89	11.72	20.13
33.9561	14.47	19.52	27.75	11.63	20.47
34.0007	14.34	19.37	27.53	11.57	20.74
34.0452	14.30	19.22	27.30	11.40	20.96
34.0898	14.39	19.15	27.06	11.10	21.10

34.1344	14.42	19.07	26.82	10.75	21.27
34.1789	14.34	18.94	26.60	10.54	21.51
34.2235	14.24	18.74	26.39	10.48	21.76
34.2681	14.19	18.55	26.16	10.56	21.91
34.3126	14.15	18.42	25.95	10.43	21.99
34.3572	14.09	18.31	25.83	10.43	22.04
34.4017	13.95	18.17	25.83	10.58	22.09
34.4463	13.81	18.08	25.87	10.81	22.10
34.4909	13.81	18.08	25.88	11.04	22.00
34.5354	13.91	18.13	25.84	11.30	21.80
34.5800	13.96	18.11	25.81	11.37	21.56
34.6245	13.91	18.02	25.85	11.53	21.31
34.6691	13.78	17.92	25.87	11.82	21.07
34.7137	13.69	17.87	25.85	12.16	20.80
34.7582	13.74	17.83	25.80	12.37	20.44
34.8028	13.94	17.83	25.80	12.57	20.03
34.8474	13.93	17.89	25.90	12.71	19.62
34.8919	13.93	17.94	26.01	12.99	19.23
34.9365	14.04	17.93	26.06	13.38	18.82
34.9810	14.26	17.90	26.04	13.79	18.37
35.0256	14.51	17.90	25.93	14.10	17.85
35.0702	14.70	17.88	25.81	14.48	17.30
35.1147	14.61	17.81	25.74	14.87	16.80
35.1593	14.51	17.73	25.67	15.34	16.36
35.2039	14.55	17.74	25.53	15.80	15.84
35.2484	14.68	17.80	25.35	16.19	15.26
35.2930	14.69	17.83	25.18	16.47	14.61
35.3375	14.66	17.75	25.07	16.83	13.94
35.3821	14.61	17.66	24.99	17.19	13.34
35.4267	14.78	17.53	24.85	17.55	12.88
35.4712	15.12	17.37	24.64	17.83	12.34
35.5158	15.39	17.17	24.42	18.20	11.85
35.5603	15.41	17.01	24.23	18.51	11.44
35.6049	15.41	16.90	24.07	18.84	11.00
35.6495	15.42	16.82	23.86	19.13	10.62
35.6940	15.56	16.73	23.53	19.38	10.31
35.7386	15.64	16.62	23.15	19.53	9.86
35.7832	15.63	16.57	22.77	19.69	9.36
35.8277	15.48	16.52	22.46	19.78	8.98
35.8723	15.44	16.39	22.19	19.79	8.69
35.9168	15.44	16.25	21.89	19.78	8.45
35.9614	15.44	16.10	21.54	19.84	8.28
36.0060	15.31	15.92	21.20	19.90	8.07
36.0505	15.16	15.67	20.92	19.98	7.92
36.0951	15.01	15.39	20.66	19.92	7.87
36.1397	15.04	15.14	20.28	19.76	7.89
36.1842	15.07	14.88	19.85	19.59	7.93
36.2288	15.01	14.62	19.36	19.48	8.01
36.2733	14.81	14.43	18.88	19.27	8.04
36.3179	14.59	14.32	18.39	19.01	8.11
36.3625	14.35	14.25	17.90	18.67	8.23
36.4070	14.13	14.12	17.43	18.37	8.41
36.4516	13.82	13.91	17.00	18.13	8.59
36.4961	13.48	13.74	16.62	17.90	8.82
36.5407	13.19	13.58	16.32	17.56	9.07
36.5853	13.03	13.37	16.10	17.12	9.36
36.6298	12.84	13.08	15.90	16.66	9.68
36.6744	12.66	12.79	15.67	16.28	10.04
36.7190	12.45	12.52	15.40	15.94	10.35
36.7635	12.26	12.30	15.11	15.56	10.63

36.8081	12.08	12.14	14.77	14.99	10.92
36.8526	11.92	11.97	14.42	14.36	11.23
36.8972	11.70	11.78	14.10	13.74	11.64
36.9418	11.48	11.64	13.83	13.24	12.09
36.9863	11.29	11.50	13.58	12.70	12.52
37.0309	11.18	11.43	13.32	12.12	12.91
37.0755	11.10	11.37	13.11	11.51	13.29
37.1200	10.97	11.31	12.99	10.99	13.64
37.1646	10.78	11.21	12.94	10.60	14.00
37.2091	10.64	11.12	12.85	10.30	14.33
37.2537	10.58	11.07	12.67	9.96	14.56
37.2983	10.54	11.03	12.50	9.57	14.75
37.3428	10.38	10.96	12.39	9.16	14.97
37.3874	10.14	10.85	12.27	8.86	15.21
37.4319	9.93	10.74	12.13	8.62	15.44
37.4765	9.87	10.71	11.92	8.38	15.57
37.5211	9.85	10.74	11.68	8.05	15.61
37.5656	9.83	10.77	11.49	7.82	15.62
37.6102	9.74	10.78	11.38	7.62	15.63
37.6548	9.73	10.82	11.32	7.45	15.58
37.6993	9.85	10.88	11.25	7.47	15.50
37.7439	10.03	10.96	11.15	7.52	15.39
37.7884	10.14	10.98	11.05	7.47	15.26
37.8330	10.16	10.95	11.05	7.54	15.12
37.8776	10.12	10.95	11.12	7.63	14.99
37.9221	10.22	11.02	11.15	7.69	14.82
37.9667	10.40	11.11	11.04	7.80	14.60
38.0112	10.55	11.22	10.89	7.91	14.27
38.0558	10.54	11.33	10.79	8.06	13.90
38.1004	10.54	11.46	10.76	8.45	13.51
38.1449	10.52	11.60	10.73	8.84	13.15
38.1895	10.52	11.71	10.64	9.15	12.78
38.2341	10.61	11.78	10.56	9.49	12.37
38.2786	10.67	11.86	10.50	9.94	11.95
38.3232	10.63	11.95	10.45	10.29	11.60
38.3677	10.70	12.05	10.43	10.51	11.26
38.4123	10.84	12.11	10.41	10.66	10.93
38.4569	10.93	12.16	10.39	10.86	10.56
38.5014	10.91	12.24	10.39	11.14	10.18
38.5460	10.77	12.29	10.40	11.43	9.77
38.5906	10.64	12.37	10.44	11.62	9.43
38.6351	10.73	12.48	10.58	11.81	9.10
38.6797	10.84	12.61	10.66	12.00	8.78
38.7242	10.81	12.75	10.80	12.18	8.55
38.7688	10.73	12.94	11.02	12.30	8.24
38.8134	10.79	13.16	11.22	12.43	7.86
38.8579	10.84	13.36	11.40	12.53	7.63
38.9025	10.80	13.47	11.66	12.59	7.44
38.9470	10.60	13.50	11.60	12.67	7.18
38.9916	10.33	13.51	11.55	12.83	6.91
39.0362	10.15	13.57	11.53	12.94	6.64
39.0807	10.07	13.66	11.52	12.96	6.37
39.1253	9.98	13.71	11.44	12.91	6.17
39.1699	9.90	13.78	11.48	12.90	5.98
39.2144	9.78	13.83	11.56	13.00	5.85
39.2590	9.63	13.93	11.71	13.10	5.79
39.3035	9.52	14.03	11.86	13.09	5.69
39.3481	9.47	14.15	11.96	13.10	5.55
39.3927	9.34	14.16	12.05	13.17	5.53
39.4372	9.12	14.12	12.13	13.21	5.62

39.4818	8.90	14.06	12.02	13.24	5.67
39.5264	8.81	14.08	11.90	13.25	5.61
39.5709	8.84	14.09	11.88	13.26	5.58
39.6155	8.81	14.09	11.85	13.30	5.61
39.6600	8.66	13.97	11.67	13.26	5.71
39.7046	8.54	13.86	11.69	13.21	5.77
39.7492	8.53	13.85	11.80	13.14	5.78
39.7937	8.53	13.94	11.98	13.00	5.81
39.8383	8.49	13.99	12.20	12.85	5.94
39.8828	8.43	13.99	12.35	12.75	6.15
39.9274	8.35	13.96	12.56	12.69	6.43
39.9720	8.33	14.04	12.83	12.62	6.71
40.0165	8.41	14.11	12.95	12.47	6.98
40.0611	8.53	14.10	13.10	12.32	7.24
40.1057	8.65	13.94	13.34	12.26	7.64
40.1502	8.71	13.78	13.46	12.17	7.96
40.1948	8.69	13.65	13.46	12.03	8.14
40.2393	8.74	13.53	13.55	11.82	8.32
40.2839	8.81	13.42	13.77	11.60	8.57
40.3285	8.80	13.35	13.94	11.39	8.92
40.3730	8.76	13.28	14.08	11.20	9.35
40.4176	8.77	13.24	14.22	10.98	9.72
40.4621	8.92	13.21	14.16	10.72	10.03
40.5067	9.11	13.20	14.16	10.49	10.35
40.5513	9.23	13.19	14.28	10.27	10.67
40.5958	9.29	13.14	14.45	10.09	10.87
40.6404	9.43	13.02	14.43	9.96	11.05
40.6850	9.62	12.93	14.41	9.76	11.27
40.7295	9.82	12.82	14.31	9.51	11.58
40.7741	9.87	12.73	14.17	9.32	11.91
40.8186	9.78	12.55	14.04	9.18	12.15
40.8632	9.72	12.39	13.94	9.04	12.36
40.9078	9.79	12.21	13.93	8.85	12.52
40.9523	9.92	12.11	13.92	8.61	12.65
40.9969	9.96	12.07	13.74	8.44	12.76
41.0415	9.99	12.09	13.73	8.33	12.86
41.0860	9.97	12.11	13.65	8.23	12.89
41.1306	9.99	12.07	13.43	8.12	12.90
41.1751	10.07	12.01	13.16	8.06	12.83
41.2197	10.03	11.98	12.93	8.04	12.75
41.2643	9.85	11.99	12.77	8.11	12.75
41.3088	9.74	11.94	12.66	8.14	12.75
41.3534	9.77	11.83	12.49	8.06	12.63
41.3979	9.84	11.68	12.19	7.95	12.45
41.4425	9.83	11.59	11.88	7.96	12.25
41.4871	9.72	11.48	11.67	8.05	12.07
41.5316	9.57	11.45	11.49	8.15	11.89
41.5762	9.49	11.46	11.31	8.29	11.65
41.6208	9.44	11.46	11.02	8.39	11.34
41.6653	9.38	11.38	10.76	8.47	11.07
41.7099	9.28	11.29	10.54	8.66	10.78
41.7544	9.19	11.23	10.34	8.84	10.52
41.7990	9.15	11.23	10.26	8.89	10.23
41.8436	9.20	11.20	10.30	8.91	9.87
41.8881	9.23	11.12	10.07	9.02	9.44
41.9327	9.13	11.00	9.98	9.19	9.04
41.9773	8.99	10.96	9.76	9.38	8.66
42.0218	8.87	11.00	9.66	9.50	8.32
42.0664	8.82	11.03	9.63	9.55	7.91
42.1109	8.79	10.97	9.64	9.68	7.50

42.1555	8.68	10.84	9.50	9.90	7.11
42.2001	8.53	10.76	9.44	10.08	6.76
42.2446	8.50	10.79	9.32	10.21	6.49
42.2892	8.57	10.89	9.18	10.34	6.32
42.3337	8.58	10.93	9.07	10.43	6.14
42.3783	8.50	10.86	8.98	10.57	5.99
42.4229	8.37	10.71	8.93	10.77	5.87
42.4674	8.28	10.67	8.93	10.91	5.80
42.5120	8.29	10.72	8.85	10.96	5.78
42.5566	8.29	10.68	8.71	10.98	5.71
42.6011	8.20	10.57	8.82	10.99	5.57
42.6457	8.14	10.50	8.96	11.05	5.44
42.6902	8.15	10.52	9.06	11.06	5.38
42.7348	8.17	10.59	9.11	11.01	5.49
42.7794	8.17	10.67	9.13	10.95	5.70
42.8239	8.11	10.71	9.16	10.98	5.93
42.8685	8.06	10.73	9.01	11.06	6.14
42.9131	8.07	10.81	8.95	11.09	6.43
42.9576	8.18	10.84	8.85	11.01	6.70
43.0022	8.31	10.84	8.84	10.91	7.03
43.0467	8.40	10.91	8.91	10.85	7.40
43.0913	8.43	10.89	8.92	10.83	7.78
43.1359	8.54	10.73	8.99	10.76	8.15
43.1804	8.70	10.63	9.19	10.63	8.60
43.2250	8.84	10.60	9.23	10.48	9.07
43.2695	8.90	10.53	9.25	10.37	9.59
43.3141	8.87	10.43	9.32	10.29	10.11
43.3587	8.91	10.36	9.41	10.20	10.48
43.4032	9.09	10.30	9.52	10.17	10.82
43.4478	9.28	10.28	9.64	10.18	11.24
43.4924	9.35	10.24	9.77	10.24	11.61
43.5369	9.37	10.20	10.03	10.24	12.03
43.5815	9.44	10.20	10.13	9.97	12.51
43.6260	9.61	10.18	10.11	9.67	13.00
43.6706	9.82	10.03	10.14	9.34	13.44
43.7152	9.95	9.87	10.33	9.11	13.81
43.7597	10.02	9.79	10.56	8.91	14.15
43.8043	10.14	9.75	10.70	8.73	14.41
43.8488	10.38	9.69	10.81	8.43	14.63
43.8934	10.66	9.61	10.95	8.10	14.82
43.9380	10.96	9.56	10.89	7.78	14.92
43.9825	11.16	9.60	10.89	7.59	15.12
44.0271	11.36	9.51	10.70	7.41	15.33
44.0717	11.48	9.35	10.48	7.25	15.54
44.1162	11.36	9.30	10.35	7.15	15.65
44.1608	11.23	9.30	10.11	7.12	15.76
44.2053	11.03	9.29	9.99	7.14	15.83
44.2499	10.97	9.23	10.01	7.16	15.86
44.2945	10.98	9.25	10.00	7.31	15.81
44.3390	11.02	9.28	9.86	7.42	15.62
44.3836	10.97	9.35	9.73	7.57	15.39
44.4282	10.76	9.38	9.64	7.69	15.28
44.4727	10.44	9.39	9.61	7.88	15.19
44.5173	10.26	9.48	9.61	8.18	15.07
44.5618	10.15	9.61	9.71	8.37	14.98
44.6064	10.09	9.74	9.68	8.50	14.85
44.6510	10.07	9.86	9.60	8.72	14.74
44.6955	10.03	9.96	9.39	9.04	14.57
44.7401	10.00	10.07	9.10	9.40	14.05
44.7846	10.00	10.20	8.89	9.83	13.58

44.8292	10.12	10.37	8.77	10.23	13.10
44.8738	10.15	10.50	8.73	10.72	12.70
44.9183	10.12	10.53	8.69	11.20	12.26
44.9629	9.95	10.56	8.68	11.51	11.84
45.0075	9.85	10.55	8.79	11.75	11.30
45.0520	9.94	10.49	8.74	12.00	10.82
45.0966	9.93	10.51	8.65	12.21	10.35
45.1411	9.83	10.61	8.52	12.50	10.05
45.1857	9.82	10.77	8.38	12.82	9.78
45.2303	9.88	10.86	8.34	13.07	9.34
45.2748	9.98	10.88	8.29	13.24	8.77
45.3194	10.06	10.91	8.24	13.48	8.24
45.3640	10.05	10.98	8.29	13.76	7.73
45.4085	10.18	11.03	8.37	13.95	7.17
45.4531	10.32	10.92	8.33	14.05	6.76
45.4976	10.35	10.82	8.22	14.06	6.42
45.5422	10.30	10.77	8.29	14.02	6.15
45.5868	10.18	10.86	8.45	14.06	5.85
45.6313	10.01	10.90	8.48	14.10	5.51
45.6759	10.01	10.77	8.50	14.05	5.28
45.7204	10.09	10.60	8.53	14.02	5.06
45.7650	10.17	10.53	8.47	13.95	4.91
45.8096	10.17	10.46	8.47	13.94	4.90
45.8541	10.11	10.29	8.48	13.94	4.88
45.8987	10.03	10.13	8.38	13.88	4.83
45.9433	9.98	10.04	8.35	13.81	4.87
45.9878	9.87	10.06	8.34	13.74	4.96
46.0324	9.70	9.99	8.42	13.64	5.23
46.0769	9.51	9.86	8.59	13.44	5.50
46.1215	9.40	9.76	8.93	13.22	5.65
46.1661	9.37	9.72	9.11	12.95	5.80
46.2106	9.23	9.62	9.17	12.70	6.02
46.2552	9.08	9.48	9.20	12.60	6.17
46.2998	8.90	9.40	9.18	12.62	6.42
46.3443	8.79	9.38	9.13	12.74	6.79
46.3889	8.76	9.36	9.13	12.62	7.07
46.4334	8.83	9.37	9.02	12.23	7.37
46.4780	8.79	9.46	9.08	11.86	7.90
46.5226	8.75	9.51	9.25	11.61	8.51
46.5671	8.73	9.43	9.29	11.33	8.95
46.6117	8.70	9.43	9.39	11.04	9.30
46.6562	8.73	9.48	9.60	10.70	9.69
46.7008	8.73	9.51	9.75	10.40	10.06
46.7454	8.59	9.43	9.84	10.16	10.55
46.7899	8.49	9.32	9.82	9.94	10.90
46.8345	8.52	9.27	9.84	9.71	11.03
46.8791	8.71	9.37	9.83	9.36	11.23
46.9236	8.82	9.42	9.90	8.98	11.43
46.9682	8.77	9.40	9.92	8.73	11.69
47.0127	8.62	9.24	9.81	8.49	11.90
47.0573	8.65	9.13	9.75	8.29	12.06
47.1019	8.86	9.11	9.70	7.99	12.20
47.1464	9.06	9.07	9.74	7.66	12.30
47.1910	9.08	9.01	9.87	7.47	12.42
47.2355	9.07	8.98	9.91	7.33	12.48
47.2801	9.26	8.95	9.85	7.14	12.54
47.3247	9.56	8.93	9.72	6.83	12.56
47.3692	9.84	8.90	9.58	6.58	12.60
47.4138	9.87	8.97	9.46	6.48	12.62
47.4584	9.75	9.05	9.29	6.32	12.66

47.5029	9.66	9.02	9.14	6.29	12.79
47.5475	9.68	9.06	9.05	6.19	12.93
47.5920	9.74	9.12	9.06	6.16	12.87
47.6366	9.67	9.28	9.21	6.31	12.73
47.6812	9.55	9.45	9.24	6.50	12.65
47.7257	9.55	9.66	9.36	6.56	12.53
47.7703	9.56	9.91	9.52	6.67	12.41
47.8149	9.59	9.91	9.52	6.78	12.19
47.8594	9.47	9.89	9.48	6.98	11.94
47.9040	9.33	9.87	9.47	7.29	11.86
47.9485	9.31	9.86	9.45	7.59	11.90
47.9931	9.24	9.86	9.50	7.79	11.91
48.0377	9.21	9.81	9.59	7.94	11.75
48.0822	9.17	9.74	9.67	8.30	11.52
48.1268	9.14	9.72	9.69	8.77	11.32
48.1713	9.18	9.75	9.67	9.24	11.23
48.2159	9.23	9.79	9.70	9.64	10.96
48.2605	9.23	9.90	9.71	10.06	10.63
48.3050	9.22	10.06	9.85	10.60	10.27
48.3496	9.13	10.11	9.96	11.14	9.88
48.3942	9.03	10.08	10.01	11.54	9.60
48.4387	8.97	9.98	9.99	11.86	9.30
48.4833	8.99	9.90	9.99	12.17	8.98
48.5278	9.01	9.89	9.92	12.46	8.60
48.5724	8.97	9.72	9.97	12.77	8.25
48.6170	9.09	9.54	9.97	12.95	7.86
48.6615	9.30	9.48	10.00	13.07	7.52
48.7061	9.55	9.44	10.01	13.29	7.27
48.7507	9.67	9.47	10.15	13.41	7.06
48.7952	9.78	9.28	10.33	13.60	6.79
48.8398	9.91	8.99	10.59	13.77	6.55
48.8843	10.13	8.77	10.80	13.86	6.24
48.9289	10.27	8.70	10.97	13.83	5.99
48.9735	10.22	8.67	11.01	13.68	5.64
49.0180	10.21	8.67	11.09	13.62	5.30
49.0626	10.12	8.62	11.06	13.57	5.01
49.1071	10.11	8.60	11.03	13.43	4.77
49.1517	10.01	8.40	10.93	13.29	4.63
49.1963	9.87	8.28	10.81	13.19	4.57
49.2408	9.78	8.10	10.65	13.16	4.74
49.2854	9.59	8.07	10.60	13.12	4.86
49.3300	9.56	8.09	10.54	13.01	5.02
49.3745	9.57	8.04	10.49	12.71	5.24
49.4191	9.53	8.25	10.39	12.47	5.55
49.4636	9.34	8.44	10.33	12.33	5.93
49.5082	9.07	8.53	10.22	12.15	6.24
49.5528	8.97	8.73	10.13	12.01	6.53
49.5973	8.88	8.97	10.04	11.84	6.71
49.6419	8.72	9.22	9.91	11.55	6.96
49.6865	8.53	9.50	9.89	11.24	7.22
49.7310	8.35	9.74	9.94	10.99	7.40
49.7756	8.26	10.02	9.92	10.71	7.47
49.8201	8.23	10.28	9.97	10.46	7.64
49.8647	8.21	10.52	10.13	10.28	7.94
49.9093	8.11	10.79	10.35	10.07	8.23
49.9538	7.93	11.00	10.55	9.93	8.52
49.9984	7.91	11.11	10.61	9.74	8.73
50.0429	7.98	11.19	10.63	9.41	9.03
50.0875	7.99	11.11	10.64	9.12	9.34
50.1321	7.94	11.03	10.69	8.92	9.54

50.1766	7.82	10.93	10.66	8.69	9.71
50.2212	7.68	10.89	10.59	8.38	9.93
50.2658	7.63	10.83	10.61	8.10	10.14
50.3103	7.60	10.83	10.70	7.92	10.37
50.3549	7.53	10.81	10.74	7.74	10.50
50.3994	7.48	10.87	10.84	7.67	10.77
50.4440	7.52	10.90	10.86	7.58	10.99
50.4886	7.62	10.94	10.73	7.43	11.24
50.5331	7.75	10.91	10.51	7.39	11.36
50.5777	7.80	10.65	10.31	7.40	11.42
50.6222	7.72	10.44	10.22	7.38	11.39
50.6668	7.78	10.35	10.14	7.32	11.35
50.7114	7.91	10.22	10.15	7.35	11.25
50.7559	7.97	10.17	10.26	7.36	11.32
50.8005	7.96	10.28	10.31	7.50	11.28
50.8451	8.14	10.42	10.34	7.78	11.18
50.8896	8.33	10.40	10.47	7.99	11.09
50.9342	8.60	10.34	10.56	8.17	10.93
50.9787	8.79	10.26	10.46	8.45	10.87
51.0233	8.98	10.19	10.25	8.71	10.86
51.0679	9.19	10.17	10.04	9.02	10.82
51.1124	9.42	10.09	9.86	9.29	10.81
51.1570	9.63	10.09	9.92	9.51	10.67
51.2016	9.81	10.23	10.04	9.65	10.57
51.2461	9.95	10.34	9.98	9.80	10.41
51.2907	10.01	10.39	9.76	9.99	10.27
51.3352	10.08	10.36	9.54	10.07	10.02
51.3798	10.23	10.25	9.35	10.21	9.70
51.4244	10.41	10.25	9.36	10.44	9.52
51.4689	10.50	10.31	9.29	10.68	9.55
51.5135	10.54	10.25	9.31	10.88	9.47
51.5580	10.48	10.41	9.34	11.11	9.41
51.6026	10.58	10.57	9.26	11.28	9.17
51.6472	10.63	10.67	9.09	11.47	8.94
51.6917	10.70	10.70	8.97	11.67	8.76
51.7363	10.63	10.80	8.93	11.89	8.59
51.7809	10.48	10.79	8.91	11.97	8.48
51.8254	10.45	10.80	8.81	11.98	8.34
51.8700	10.41	10.48	8.92	11.92	8.18
51.9145	10.25	10.15	9.03	11.89	8.04
51.9591	10.05	9.91	9.11	11.95	7.93
52.0037	9.91	9.76	9.13	11.99	7.83
52.0482	9.83	9.66	9.14	11.90	7.75
52.0928	9.76	9.55	9.16	11.79	7.69
52.1374	9.67	9.56	9.14	11.80	7.64
52.1819	9.61	9.54	9.07	11.85	7.55
52.2265	9.52	9.48	9.08	11.99	7.44
52.2710	9.48	9.43	9.22	12.05	7.40
52.3156	9.35	9.58	9.26	12.04	7.41
52.3602	9.15	9.56	9.06	12.06	7.46
52.4047	8.92	9.37	9.10	12.04	7.42
52.4493	8.73	9.30	9.15	11.97	7.45
52.4938	8.66	9.31	9.08	11.80	7.48
52.5384	8.68	9.38	9.04	11.70	7.37
52.5830	8.60	9.32	9.08	11.57	7.36
52.6275	8.47	9.19	9.09	11.49	7.50
52.6721	8.36	9.12	9.22	11.51	7.65
52.7167	8.40	8.99	9.32	11.56	7.81
52.7612	8.53	8.88	9.31	11.49	7.94
52.8058	8.54	8.88	9.27	11.42	8.18

52.8503	8.44	9.03	9.27	11.25	8.48
52.8949	8.31	9.24	9.29	11.11	8.79
52.9395	8.11	9.25	9.50	10.97	9.03
52.9840	8.03	9.35	9.60	10.68	9.24
53.0286	7.99	9.54	9.68	10.32	9.47
53.0732	7.96	9.71	9.81	9.98	9.80
53.1177	7.84	9.77	10.03	9.67	10.19
53.1623	7.72	9.58	10.21	9.41	10.59
53.2068	7.77	9.51	10.34	9.18	10.87
53.2514	7.93	9.59	10.36	9.04	11.20
53.2960	8.06	9.81	10.39	8.84	11.55
53.3405	8.16	10.02	10.43	8.57	11.92
53.3851	8.22	10.00	10.48	8.35	12.28
53.4296	8.39	9.95	10.46	8.12	12.50
53.4742	8.61	10.04	10.44	7.76	12.60
53.5188	8.66	10.13	10.41	7.49	12.84
53.5633	8.55	10.08	10.40	7.29	12.95
53.6079	8.40	10.15	10.50	7.14	13.08
53.6525	8.39	10.05	10.63	6.97	13.23
53.6970	8.57	10.02	10.77	6.74	13.24
53.7416	8.78	9.83	10.90	6.49	13.20
53.7861	8.98	9.59	11.03	6.36	13.17
53.8307	9.01	9.34	11.20	6.28	13.18
53.8753	9.06	9.11	11.25	6.18	13.11
53.9198	9.26	8.92	11.28	6.12	13.06
53.9644	9.52	8.70	11.20	6.07	13.16
54.0089	9.68	8.47	11.14	6.05	13.20
54.0535	9.74	8.24	11.07	6.09	13.16
54.0981	9.79	8.13	11.02	6.16	13.13
54.1426	10.00	8.13	11.02	6.18	13.07
54.1872	10.14	8.20	10.90	6.30	12.97
54.2318	10.13	8.13	10.79	6.59	12.80
54.2763	10.11	7.90	10.72	6.89	12.57
54.3209	10.04	7.84	10.73	7.31	12.38
54.3654	9.97	7.77	10.63	7.71	12.25
54.4100	9.92	7.69	10.37	8.02	12.18
54.4546	9.84	7.66	10.10	8.34	11.97
54.4991	9.74	7.66	9.83	8.92	11.68
54.5437	9.67	7.55	9.64	9.44	11.43
54.5883	9.73	7.42	9.45	9.78	11.22
54.6328	9.86	7.51	9.26	10.09	11.02
54.6774	9.85	7.74	9.20	10.51	10.79
54.7219	9.80	8.01	9.13	10.88	10.37
54.7665	9.81	8.15	8.96	11.17	9.97
54.8111	9.81	8.13	8.77	11.46	9.66
54.8556	9.89	8.26	8.47	11.76	9.41
54.9002	9.96	8.44	8.21	12.11	9.04
54.9447	9.86	8.30	8.10	12.44	8.65
54.9893	9.65	8.17	8.02	12.69	8.36
55.0339	9.74	8.08	7.95	12.92	8.08
55.0784	9.80	8.13	7.76	13.09	7.99
55.1230	9.71	8.25	7.62	13.27	7.78
55.1676	9.57	8.29	7.54	13.40	7.50
55.2121	9.42	8.53	7.56	13.45	7.18
55.2567	9.36	8.79	7.56	13.48	6.99
55.3012	9.39	8.94	7.48	13.46	6.83
55.3458	9.33	9.00	7.36	13.43	6.68
55.3904	9.30	9.13	7.46	13.34	6.47
55.4349	9.34	9.32	7.62	13.20	6.16
55.4795	9.41	9.38	7.80	13.05	6.01

55.5241	9.40	9.38	7.94	12.89	5.93
55.5686	9.35	9.40	7.92	12.75	5.93
55.6132	9.22	9.53	7.92	12.63	5.92
55.6577	9.06	9.63	8.03	12.50	6.08
55.7023	9.03	9.61	8.23	12.30	6.17
55.7469	9.05	9.78	8.38	12.19	6.26
55.7914	9.07	9.90	8.55	12.21	6.55
55.8360	9.11	10.05	8.71	12.21	6.86
55.8805	9.11	10.09	8.90	12.11	6.97
55.9251	9.18	10.18	8.93	11.94	7.02
55.9697	9.29	10.30	9.01	11.76	7.05
56.0142	9.40	10.25	9.16	11.69	7.34
56.0588	9.46	10.11	9.39	11.36	7.70
56.1034	9.45	9.94	9.66	11.01	8.05
56.1479	9.36	9.78	9.98	10.72	8.37
56.1925	9.35	9.61	10.18	10.54	8.64
56.2370	9.34	9.42	10.35	10.56	8.94
56.2816	9.40	9.23	10.46	10.59	9.26
56.3262	9.47	9.15	10.52	10.57	9.50
56.3707	9.55	9.04	10.52	10.51	9.63
56.4153	9.64	8.91	10.56	10.33	9.79
56.4599	9.63	8.89	10.58	10.27	9.92
56.5044	9.63	8.85	10.49	10.24	10.18
56.5490	9.69	8.85	10.50	10.07	10.34
56.5935	9.57	8.69	10.58	9.84	10.41
56.6381	9.47	8.55	10.62	9.62	10.60
56.6827	9.38	8.38	10.55	9.35	10.90
56.7272	9.51	8.22	10.54	9.13	11.06
56.7718	9.62	8.17	10.55	8.97	11.10
56.8163	9.66	8.02	10.53	8.81	11.24
56.8609	9.68	8.02	10.59	8.63	11.40
56.9055	9.71	8.13	10.62	8.50	11.69
56.9500	9.60	8.26	10.81	8.39	11.90
56.9946	9.43	8.41	11.01	8.27	12.11
57.0392	9.26	8.41	11.02	8.10	12.32
57.0837	9.08	8.40	11.01	7.88	12.44
57.1283	8.92	8.57	11.06	7.72	12.55
57.1728	8.75	8.62	11.14	7.64	12.70
57.2174	8.68	8.78	10.84	7.59	12.60
57.2620	8.80	8.98	10.77	7.60	12.35
57.3065	8.88	9.11	10.71	7.51	12.22
57.3511	8.96	9.22	10.58	7.43	12.23
57.3956	8.95	9.39	10.39	7.44	12.27
57.4402	8.98	9.60	10.28	7.57	12.29
57.4848	8.97	9.70	10.22	7.72	12.19
57.5293	9.02	9.85	10.24	7.82	11.93
57.5739	9.00	9.97	10.23	7.81	11.66
57.6185	8.92	10.24	10.22	7.89	11.40
57.6630	8.86	10.51	10.25	8.05	11.17
57.7076	8.85	10.71	10.23	8.19	10.88
57.7521	8.84	10.82	10.10	8.37	10.61
57.7967	8.74	10.84	9.92	8.75	10.27
57.8413	8.54	11.07	9.62	9.10	10.01
57.8858	8.35	11.23	9.45	9.48	9.75
57.9304	8.35	11.23	9.06	9.71	9.48
57.9750	8.53	11.20	8.75	9.99	9.27
58.0195	8.63	10.76	8.60	10.22	9.08
58.0641	8.70	10.52	8.50	10.47	8.98
58.1086	8.65	10.39	8.47	10.72	8.89
58.1532	8.58	10.48	8.31	11.03	8.81

58.1978	8.58	10.71	8.21	11.34	8.62
58.2423	8.54	10.71	8.19	11.64	8.30
58.2869	8.44	10.77	8.09	11.92	8.02
58.3314	8.34	10.83	8.00	12.21	7.85
58.3760	8.33	10.86	8.01	12.43	7.74
58.4206	8.42	10.66	7.83	12.57	7.52
58.4651	8.47	10.44	7.58	12.67	7.33
58.5097	8.47	10.29	7.28	12.87	7.10
58.5543	8.42	10.15	7.09	13.00	6.91
58.5988	8.40	10.03	7.00	13.04	6.76
58.6434	8.47	9.93	6.91	13.06	6.48
58.6879	8.67	9.86	6.95	13.01	6.38
58.7325	8.85	9.80	7.08	12.87	6.19
58.7771	8.99	9.74	7.17	12.66	5.95
58.8216	9.09	9.59	7.39	12.46	5.78
58.8662	9.25	9.32	7.58	12.26	5.64
58.9108	9.37	9.07	7.76	11.99	5.56
58.9553	9.43	9.01	7.98	11.81	5.60
58.9999	9.42	9.14	8.09	11.64	5.77
59.0444	9.38	9.14	8.20	11.51	5.97
59.0890	9.42	8.99	8.24	11.35	6.10
59.1336	9.49	8.96	8.36	11.22	6.26
59.1781	9.53	9.08	8.36	11.09	6.38
59.2227	9.55	9.30	8.53	11.04	6.48
59.2672	9.40	9.56	8.86	10.90	6.41
59.3118	9.27	9.75	9.04	10.72	6.36
59.3564	9.24	9.96	9.01	10.46	6.45
59.4009	9.17	10.11	9.18	10.23	6.70
59.4455	9.04	10.29	9.29	9.96	6.95
59.4901	8.91	10.37	9.53	9.68	7.25
59.5346	8.71	10.51	9.45	9.52	7.50
59.5792	8.69	10.57	9.33	9.33	7.77
59.6237	8.71	10.67	9.17	9.18	8.10
59.6683	8.74	10.71	9.03	9.16	8.39
59.7129	8.70	10.93	8.96	9.05	8.65
59.7574	8.70	11.08	8.95	8.93	8.96
59.8020	8.62	10.92	8.97	8.68	9.28
59.8466	8.56	10.71	9.00	8.52	9.54
59.8911	8.37	10.63	8.92	8.33	9.75
59.9357	8.12	10.78	9.04	8.15	10.10
59.9802	7.91	10.81	9.18	8.08	10.35
60.0248	7.81	10.88	9.26	7.98	10.52
60.0694	7.80	10.80	9.40	7.74	10.57
60.1139	7.81	10.72	9.49	7.57	10.60
60.1585	7.80	10.46	9.64	7.43	10.72
60.2030	7.82	10.27	9.73	7.41	10.94
60.2476	7.85	10.13	9.74	7.43	11.02
60.2922	7.85	10.18	9.77	7.48	11.05
60.3367	7.86	10.14	9.69	7.44	11.09
60.3813	7.84	10.02	9.59	7.44	11.26
60.4259	7.75	9.96	9.61	7.45	11.36
60.4704	7.64	9.87	9.60	7.29	11.39
60.5150	7.65	10.04	9.58	7.13	11.38
60.5595	7.84	10.18	9.49	7.15	11.37
60.6041	7.91	10.14	9.45	7.21	11.36
60.6487	7.86	10.10	9.38	7.36	11.29
60.6932	7.77	10.01	9.50	7.60	11.27
60.7378	7.79	9.86	9.54	7.84	11.04
60.7823	7.86	9.81	9.59	7.98	10.70
60.8269	8.03	9.81	9.57	8.17	10.56

60.8715	8.05	9.84	9.63	8.39	10.39
60.9160	8.03	9.88	9.78	8.60	10.14
60.9606	8.11	9.78	9.97	8.83	9.87
61.0052	8.16	9.74	9.89	8.93	9.70
61.0497	8.17	9.71	9.83	9.06	9.47
61.0943	8.24	9.62	9.93	9.48	9.33
61.1388	8.37	9.54	9.90	9.88	9.12
61.1834	8.49	9.38	9.90	10.14	9.05
61.2280	8.70	9.42	9.89	10.23	9.00
61.2725	8.96	9.66	9.83	10.44	8.88
61.3171	9.10	9.70	9.81	10.68	8.63
61.3617	9.17	9.53	9.84	10.98	8.43
61.4062	9.18	9.38	9.90	11.17	8.30
61.4508	9.27	9.32	9.97	11.24	8.13
61.4953	9.40	9.27	9.86	11.27	7.77
61.5399	9.44	9.21	9.83	11.41	7.51
61.5845	9.40	9.12	9.71	11.52	7.25
61.6290	9.53	9.02	9.61	11.66	7.01
61.6736	9.70	8.92	9.62	11.69	6.73
61.7181	9.83	8.83	9.45	11.73	6.60
61.7627	9.73	8.90	9.29	11.85	6.48
61.8073	9.75	9.06	9.48	11.99	6.28
61.8518	9.79	9.16	9.58	12.08	6.35
61.8964	9.94	9.20	9.71	12.07	6.61
61.9410	10.04	9.11	9.76	12.06	6.73
61.9855	10.09	8.98	10.01	12.00	6.85
62.0301	10.14	8.82	10.32	12.02	6.96
62.0746	10.15	8.70	10.51	12.02	6.92
62.1192	10.03	8.70	10.49	11.98	6.97
62.1638	10.00	8.77	10.42	12.00	7.07
62.2083	9.84	8.89	10.45	12.00	7.07
62.2529	9.72	8.84	10.45	11.97	7.13
62.2975	9.58	8.80	10.26	11.91	7.24
62.3420	9.54	8.85	10.35	11.87	7.32
62.3866	9.38	9.03	10.43	11.78	7.39
62.4311	9.22	9.32	10.37	11.79	7.70
62.4757	9.28	9.28	10.26	11.84	7.96
62.5203	9.27	9.14	10.15	11.67	8.13
62.5648	9.31	9.08	10.24	11.48	8.33
62.6094	9.32	9.07	10.33	11.26	8.60
62.6539	9.41	9.33	10.20	11.10	8.86
62.6985	9.41	9.57	10.12	11.06	9.14
62.7431	9.39	9.59	10.07	10.92	9.22
62.7876	9.29	9.47	10.03	10.70	9.23
62.8322	9.14	9.27	9.90	10.31	9.15
62.8768	9.03	9.18	9.79	10.21	9.15
62.9213	8.95	9.23	9.80	9.94	9.23
62.9659	8.92	9.26	9.82	9.69	9.39
63.0104	8.90	9.41	9.72	9.49	9.61
63.0550	8.70	9.58	9.73	9.38	9.98
63.0996	8.45	9.83	9.78	9.18	10.39
63.1441	8.17	10.11	9.72	8.99	10.65
63.1887	8.15	10.21	9.74	8.78	10.94
63.2332	8.23	10.14	9.85	8.48	11.21
63.2778	8.22	10.11	9.77	8.25	11.55
63.3224	8.15	10.14	9.64	7.94	11.82
63.3669	8.03	10.08	9.48	7.50	12.10
63.4115	8.10	10.08	9.35	7.17	12.26
63.4561	8.07	10.15	9.33	6.95	12.48
63.5006	8.11	10.00	9.38	6.75	12.69

63.5452	8.08	9.87	9.31	6.62	12.84
63.5897	8.20	9.79	9.14	6.61	12.88
63.6343	8.33	9.68	8.94	6.53	12.95
63.6789	8.52	9.40	8.87	6.39	12.95
63.7234	8.59	9.13	8.89	6.29	12.87
63.7680	8.69	9.02	9.03	6.23	12.70
63.8126	8.81	8.97	9.04	6.20	12.70
63.8571	8.83	8.80	9.08	6.21	12.72
63.9017	8.77	8.43	9.08	6.20	12.64
63.9462	8.80	8.34	9.15	6.23	12.51
63.9908	8.87	8.39	9.19	6.25	12.43
64.0354	8.93	8.30	9.19	6.32	12.43
64.0799	9.05	8.13	9.19	6.42	12.31
64.1245	9.25	7.98	9.17	6.72	12.18
64.1690	9.43	7.95	9.22	7.13	11.94
64.2136	9.46	7.91	9.39	7.59	11.64
64.2582	9.40	7.86	9.37	7.99	11.33
64.3027	9.39	7.98	9.29	8.44	11.12
64.3473	9.38	8.24	9.22	8.80	10.80
64.3919	9.41	8.39	9.17	9.15	10.31
64.4364	9.35	8.60	9.06	9.44	9.92
64.4810	9.26	8.56	8.88	9.74	9.51
64.5255	9.18	8.77	8.72	10.18	9.16
64.5701	9.10	8.99	8.61	10.58	8.79
64.6147	9.11	9.05	8.56	10.90	8.38
64.6592	9.04	9.07	8.54	11.28	8.05
64.7038	8.97	8.99	8.49	11.75	7.79
64.7484	9.00	9.01	8.39	12.10	7.58
64.7929	9.02	9.14	8.36	12.38	7.18
64.8375	8.97	9.29	8.31	12.72	6.92
64.8820	8.88	9.50	8.31	13.06	6.77
64.9266	8.90	9.68	8.27	13.34	6.59
64.9712	8.87	9.74	8.25	13.25	6.39
65.0157	8.83	9.69	8.07	13.34	6.27
65.0603	8.84	9.59	7.84	13.41	6.09
65.1048	8.82	9.53	7.79	13.40	5.97
65.1494	8.83	9.61	7.73	13.48	5.89
65.1940	8.85	9.72	7.82	13.27	5.83
65.2385	8.92	9.80	7.98	13.09	5.77
65.2831	9.10	9.92	8.00	12.90	5.85
65.3277	9.19	9.97	8.06	12.73	6.01
65.3722	9.29	10.03	8.07	12.60	6.20
65.4168	9.40	10.13	8.07	12.50	6.42
65.4613	9.49	10.22	8.09	12.30	6.63
65.5059	9.26	10.04	8.04	12.20	6.77
65.5505	9.27	9.84	8.05	12.01	6.95
65.5950	9.32	9.83	8.11	11.72	7.16
65.6396	9.39	9.86	8.13	11.41	7.37
65.6842	9.29	9.89	8.25	11.23	7.69
65.7287	9.13	9.78	8.40	10.97	7.88
65.7733	9.11	9.69	8.55	10.69	8.17
65.8178	9.02	9.65	8.63	10.46	8.55
65.8624	9.01	9.66	8.64	10.19	8.82
65.9070	9.13	9.51	8.64	9.94	9.17
65.9515	9.26	9.34	8.66	9.77	9.57
65.9961	9.24	9.38	8.69	9.62	9.95
66.0406	9.26	9.43	8.66	9.46	10.35
66.0852	9.31	9.47	8.67	9.27	10.77
66.1298	9.34	9.42	8.84	9.10	10.94
66.1743	9.25	9.43	9.02	9.02	11.22

66.2189	9.20	9.46	9.00	8.72	11.67
66.2635	9.17	9.23	9.26	8.63	12.12
66.3080	9.15	9.05	9.56	8.54	12.44
66.3526	9.03	8.79	9.82	8.50	12.56
66.3971	8.94	8.86	9.99	8.55	12.61
66.4417	8.92	8.86	10.05	8.46	12.70
66.4863	8.89	8.81	10.08	8.43	12.72
66.5308	8.84	8.74	10.07	8.38	12.72
66.5754	8.92	8.65	10.02	8.35	12.75
66.6199	8.87	8.49	10.01	8.44	12.77
66.6645	8.81	8.62	10.08	8.55	12.83
66.7091	8.77	8.72	10.07	8.54	12.88
66.7536	8.72	8.82	9.95	8.53	12.91
66.7982	8.87	8.74	9.84	8.60	13.02
66.8428	9.02	8.61	9.93	8.65	13.14
66.8873	9.18	8.57	10.15	8.65	13.07
66.9319	9.28	8.87	10.21	8.63	12.94
66.9764	9.19	9.15	10.26	8.71	12.88
67.0210	9.17	9.28	10.29	8.73	12.74
67.0656	9.23	9.34	10.22	8.73	12.44
67.1101	9.30	9.41	10.16	8.73	12.17
67.1547	9.38	9.67	10.15	8.68	11.98
67.1993	9.34	9.80	10.16	8.63	11.72
67.2438	9.29	9.88	10.20	8.57	11.39
67.2884	9.27	9.94	10.40	8.67	11.05
67.3329	9.31	10.04	10.45	8.78	10.76
67.3775	9.35	10.28	10.49	9.07	10.39
67.4221	9.50	10.32	10.52	9.30	10.10
67.4666	9.52	10.39	10.62	9.42	9.80
67.5112	9.55	10.32	10.64	9.58	9.55
67.5557	9.63	10.32	10.58	9.79	9.32
67.6003	9.71	10.20	10.61	10.00	9.02
67.6449	9.66	9.90	10.39	10.12	8.84
67.6894	9.56	9.66	10.24	10.18	8.54
67.7340	9.39	9.52	10.11	10.22	8.30
67.7786	9.15	9.61	10.04	10.44	8.22
67.8231	9.10	9.59	9.84	10.70	8.04
67.8677	9.02	9.59	9.55	10.89	7.81
67.9122	8.98	9.40	9.26	10.98	7.47
67.9568	8.92	9.32	9.07	11.29	7.09
68.0014	8.83	9.25	9.10	11.55	6.76
68.0459	8.82	9.25	9.04	11.77	6.60
68.0905	8.90	9.24	9.06	11.96	6.49
68.1351	8.82	9.21	9.05	12.13	6.47
68.1796	8.71	9.05	9.01	12.23	6.46
68.2242	8.57	9.19	8.98	12.35	6.42
68.2687	8.46	9.33	8.95	12.36	6.14
68.3133	8.53	9.38	8.96	12.26	6.07
68.3579	8.65	9.41	8.86	12.22	5.97
68.4024	8.69	9.25	8.86	12.16	5.78
68.4470	8.54	9.40	8.85	12.13	5.59
68.4915	8.48	9.47	8.89	12.20	5.45
68.5361	8.51	9.58	8.90	12.23	5.53
68.5807	8.64	9.56	8.71	12.10	5.64
68.6252	8.69	9.37	8.57	12.08	5.66
68.6698	8.69	9.20	8.63	11.97	5.77
68.7144	8.69	8.91	8.76	11.78	5.87
68.7589	8.78	8.71	8.71	11.63	5.88
68.8035	8.85	8.68	8.83	11.43	5.95
68.8480	8.84	8.74	8.79	11.18	5.99

68.8926	8.77	8.75	8.88	10.99	6.06
68.9372	8.73	8.49	8.94	10.88	6.30
68.9817	8.70	8.29	8.82	10.74	6.65
69.0263	8.77	8.25	8.66	10.50	7.05
69.0709	8.81	8.30	8.69	10.17	7.47
69.1154	8.82	8.30	8.73	9.95	7.86
69.1600	8.87	8.36	8.92	9.83	8.24
69.2045	8.90	8.56	9.18	9.72	8.59
69.2491	8.88	8.80	9.36	9.61	8.86
69.2937	8.95	8.92	9.39	9.47	9.02
69.3382	8.96	8.77	9.51	9.32	9.01
69.3828	8.89	8.64	9.61	9.18	9.12
69.4273	8.93	8.72	9.62	9.06	9.37
69.4719	8.96	8.93	9.76	8.98	9.65
69.5165	9.05	8.87	10.01	8.76	9.82
69.5610	8.99	8.83	9.88	8.57	9.97
69.6056	8.75	9.02	9.94	8.38	10.22
69.6502	8.56	9.28	9.90	8.27	10.54
69.6947	8.65	9.48	9.85	8.27	10.81
69.7393	8.74	9.39	9.89	8.20	11.08
69.7838	8.80	9.38	9.87	8.20	11.21
69.8284	8.80	9.38	9.86	8.19	11.44
69.8730	8.71	9.24	9.88	8.13	11.56
69.9175	8.51	9.22	10.04	8.12	11.75
69.9621	8.44	9.20	10.11	8.11	11.84
70.0066	8.36	9.13	10.10	8.04	11.84
70.0512	8.31	9.14	10.24	7.91	11.86
70.0958	8.30	9.17	10.41	7.76	11.87
70.1403	8.22	9.17	10.52	7.56	11.89
70.1849	8.15	9.15	10.51	7.50	11.87
70.2295	8.22	9.11	10.55	7.64	11.69
70.2740	8.22	8.93	10.69	7.77	11.48
70.3186	8.30	9.00	10.82	7.85	11.29
70.3631	8.40	9.05	10.81	7.99	11.09
70.4077	8.38	9.00	10.72	7.99	10.82
70.4523	8.43	9.10	10.65	7.89	10.57
70.4968	8.38	8.96	10.36	7.95	10.36
70.5414	8.32	8.97	10.26	8.05	10.22
70.5860	8.16	9.02	10.18	8.23	10.05
70.6305	7.97	9.07	10.21	8.40	9.93
70.6751	7.94	9.09	10.13	8.56	9.70
70.7196	8.01	8.91	10.02	8.74	9.44
70.7642	8.13	8.84	9.94	8.98	9.10
70.8088	8.22	8.84	9.75	9.20	8.75
70.8533	8.16	8.89	9.66	9.55	8.41
70.8979	8.19	8.84	9.65	9.92	8.09
70.9424	8.16	8.85	9.54	10.25	7.89
70.9870	8.10	9.05	9.48	10.52	7.65
71.0316	8.03	9.13	9.43	10.74	7.45
71.0761	8.02	9.25	9.38	10.98	7.33
71.1207	8.09	9.23	9.31	10.87	7.02
71.1653	8.19	9.33	9.22	10.79	6.76
71.2098	8.35	9.44	9.20	10.94	6.43
71.2544	8.54	9.59	9.19	11.08	6.22
71.2989	8.77	9.79	9.11	11.31	6.16
71.3435	8.93	9.78	9.00	11.38	6.11
71.3881	9.09	9.80	9.05	11.41	6.09
71.4326	9.16	9.68	9.04	11.52	6.24
71.4772	9.21	9.60	9.02	11.65	6.32
71.5218	9.18	9.66	9.06	11.65	6.43

71.5663	9.26	9.76	9.18	11.48	6.43
71.6109	9.36	9.88	8.99	11.31	6.47
71.6554	9.15	9.87	8.78	11.28	6.58
71.7000	9.03	9.78	8.74	11.25	6.88
71.7446	9.02	9.83	8.87	11.32	7.00
71.7891	9.05	10.11	8.96	11.47	7.04
71.8337	9.15	10.32	8.96	11.63	7.30
71.8782	9.00	10.29	9.01	11.75	7.62
71.9228	8.98	10.25	9.19	11.80	7.78
71.9674	9.08	10.35	9.34	11.77	8.01
72.0119	9.17	10.32	9.57	11.59	8.21
72.0565	9.21	10.12	9.71	11.33	8.31
72.1011	9.12	9.82	9.83	11.10	8.49
72.1456	9.08	9.70	9.87	10.94	8.63
72.1902	9.09	9.81	9.85	10.82	8.87
72.2347	9.08	9.98	9.76	10.70	9.18
72.2793	9.08	10.09	9.77	10.56	9.23
72.3239	9.13	10.30	9.63	10.56	9.24
72.3684	9.18	10.40	9.45	10.49	9.31
72.4130	9.22	10.36	9.39	10.29	9.28
72.4576	9.40	10.33	9.42	10.12	9.42
72.5021	9.60	10.26	9.37	9.99	9.44
72.5467	9.55	10.22	9.35	9.86	9.49
72.5912	9.46	10.24	9.37	9.77	9.44
72.6358	9.22	10.10	9.38	9.54	9.50
72.6804	9.06	10.01	9.51	9.41	9.62
72.7249	9.03	9.79	9.44	9.35	9.70
72.7695	8.93	9.51	9.31	9.43	9.64
72.8140	8.90	9.29	9.26	9.46	9.65
72.8586	8.95	9.34	9.23	9.47	9.75
72.9032	8.97	9.46	9.29	9.57	10.05
72.9477	8.95	9.53	9.37	9.45	10.38
72.9923	8.82	9.53	9.31	9.41	10.53
73.0369	8.68	9.44	9.24	9.54	10.88
73.0814	8.56	9.65	9.22	9.52	11.25
73.1260	8.52	9.85	9.08	9.35	11.54
73.1705	8.43	9.92	9.01	9.03	11.82
73.2151	8.38	9.86	8.98	8.77	12.00
73.2597	8.38	9.66	8.99	8.65	11.91
73.3042	8.47	9.63	9.03	8.53	11.89
73.3488	8.59	9.72	8.99	8.34	11.96
73.3933	8.71	9.88	9.20	8.17	11.98
73.4379	8.96	9.92	9.39	8.13	12.12
73.4825	8.99	9.93	9.43	8.09	12.30
73.5270	9.01	9.82	9.52	7.94	12.35
73.5716	9.15	9.75	9.56	7.76	12.32
73.6162	9.26	9.69	9.51	7.62	12.24
73.6607	9.30	9.75	9.43	7.48	12.10
73.7053	9.20	9.71	9.46	7.46	12.02
73.7498	9.08	9.59	9.44	7.48	12.08
73.7944	9.17	9.47	9.35	7.53	11.88
73.8390	9.25	9.63	9.41	7.61	11.65
73.8835	9.06	9.68	9.40	7.75	11.51
73.9281	8.89	9.57	9.33	7.82	11.39
73.9727	8.92	9.49	9.33	8.04	11.31
74.0172	9.02	9.43	9.34	8.28	11.11
74.0618	9.11	9.44	9.44	8.48	11.01
74.1063	9.13	9.47	9.42	8.74	10.74
74.1509	9.13	9.44	9.30	8.91	10.39
74.1955	9.13	9.31	9.24	9.09	10.14

74.2400	9.22	9.19	9.14	9.27	9.93
74.2846	9.27	9.02	9.03	9.46	9.64
74.3291	9.25	8.96	8.93	9.80	9.30
74.3737	9.26	9.10	8.83	10.15	8.97
74.4183	9.26	9.12	8.78	10.35	8.58
74.4628	9.21	9.23	8.63	10.56	8.26
74.5074	9.25	9.20	8.52	10.96	7.91
74.5520	9.31	9.18	8.58	11.30	7.54
74.5965	9.28	9.22	8.60	11.59	7.16
74.6411	9.23	9.15	8.66	12.00	6.87
74.6856	9.24	9.28	8.79	12.28	6.74
74.7302	9.15	9.38	8.70	12.55	6.57
74.7748	9.03	9.29	8.63	12.81	6.41
74.8193	9.04	9.13	8.66	12.96	6.19
74.8639	9.00	8.83	8.68	13.01	5.92
74.9085	9.02	8.66	8.79	13.13	5.85
74.9530	9.00	8.58	8.82	13.07	5.97
74.9976	8.98	8.63	8.78	13.03	6.09
75.0421	9.00	8.54	8.64	13.05	6.14
75.0867	8.84	8.40	8.64	13.03	6.10
75.1313	8.65	8.17	8.68	12.86	6.21
75.1758	8.67	8.12	8.73	12.66	6.41
75.2204	8.72	8.13	8.97	12.57	6.62
75.2649	8.75	8.17	9.14	12.41	6.78
75.3095	8.72	8.03	9.32	12.12	6.99
75.3541	8.71	7.89	9.38	12.02	7.16
75.3986	8.71	7.90	9.27	11.85	7.31
75.4432	8.87	8.07	9.11	11.50	7.59
75.4878	8.87	8.09	9.05	11.12	7.82
75.5323	8.81	8.00	8.98	10.78	8.28
75.5769	8.89	7.95	8.90	10.54	8.57
75.6214	9.06	7.88	8.91	10.17	8.90
75.6660	9.07	7.83	8.98	9.74	9.20
75.7106	8.98	7.94	9.08	9.34	9.57
75.7551	8.89	8.10	9.11	9.21	10.01
75.7997	8.71	8.29	9.28	9.10	10.38
75.8443	8.60	8.44	9.35	8.91	10.70
75.8888	8.72	8.58	9.31	8.68	10.93
75.9334	8.77	8.61	9.33	8.46	11.24
75.9779	8.63	8.65	9.30	8.34	11.50
76.0225	8.50	8.45	9.42	8.11	11.67
76.0671	8.53	8.37	9.43	7.79	11.87
76.1116	8.70	8.46	9.31	7.59	12.02
76.1562	8.89	8.57	9.10	7.50	12.25
76.2007	8.90	8.73	9.01	7.35	12.40
76.2453	8.91	8.94	9.16	7.11	12.53
76.2899	8.96	9.25	9.24	6.88	12.52
76.3344	9.07	9.36	9.35	6.64	12.50
76.3790	9.21	9.45	9.59	6.61	12.64
76.4236	9.22	9.32	9.78	6.67	12.71
76.4681	9.14	9.35	9.98	6.77	12.70
76.5127	9.06	9.41	9.97	6.84	12.83
76.5572	9.05	9.52	9.79	6.87	12.78
76.6018	8.97	9.61	9.70	7.02	12.62
76.6464	8.95	9.64	9.49	7.33	12.35
76.6909	8.94	9.61	9.35	7.67	12.28
76.7355	8.92	9.58	9.35	7.86	12.15
76.7800	8.99	9.56	9.28	7.91	11.91
76.8246	9.02	9.69	9.24	7.87	11.62
76.8692	9.03	9.74	9.15	7.92	11.35

76.9137	9.06	9.71	9.27	8.06	11.20
76.9583	9.08	9.61	9.24	8.22	11.14
77.0029	9.09	9.62	9.11	8.42	10.97
77.0474	9.12	9.61	9.02	8.59	10.77
77.0920	9.13	9.64	9.02	8.81	10.47
77.1365	9.07	9.73	9.04	9.02	10.22
77.1811	9.11	9.53	9.18	9.21	9.99
77.2257	9.26	9.43	9.14	9.44	9.75
77.2702	9.34	9.30	9.08	9.68	9.52
77.3148	9.27	9.24	9.11	9.97	9.21
77.3594	9.13	9.14	9.17	10.18	8.85
77.4039	9.01	9.10	9.19	10.35	8.50
77.4485	9.00	9.17	9.34	10.40	8.14
77.4930	9.07	9.16	9.45	10.57	7.79
77.5376	9.14	9.13	9.42	10.62	7.44
77.5822	9.25	8.95	9.40	10.78	7.10
77.6267	9.28	8.93	9.36	11.02	6.84
77.6713	9.23	9.13	9.23	11.22	6.68
77.7158	9.14	9.20	9.15	11.31	6.51
77.7604	9.11	9.15	9.08	11.53	6.56
77.8050	9.02	9.32	8.90	11.69	6.60
77.8495	8.99	9.49	8.87	11.93	6.64
77.8941	8.97	9.55	8.75	12.11	6.62
77.9387	8.95	9.63	8.72	12.22	6.54
77.9832	8.84	9.88	8.73	12.44	6.49
78.0278	8.85	9.95	8.77	12.66	6.26
78.0723	8.81	9.91	8.84	12.69	6.10
78.1169	8.96	9.78	8.91	12.84	6.06
78.1615	9.07	9.93	8.87	12.93	6.04
78.2060	9.22	10.16	8.86	12.89	6.05
78.2506	9.20	10.15	8.98	12.78	6.17
78.2952	9.13	10.17	9.21	12.78	6.23
78.3397	9.00	10.32	9.48	12.64	6.22
78.3843	9.09	10.63	9.58	12.55	6.08
78.4288	9.12	10.63	9.63	12.46	6.09
78.4734	9.03	10.40	9.59	12.39	6.20
78.5180	8.90	10.23	9.27	12.24	6.30
78.5625	8.88	10.01	9.19	12.08	6.62
78.6071	8.94	9.93	9.06	11.90	6.80
78.6516	8.92	9.72	9.01	11.78	7.11
78.6962	8.90	9.62	8.87	11.48	7.43
78.7408	8.79	9.73	8.79	11.22	7.79
78.7853	8.69	9.83	8.76	10.93	8.09
78.8299	8.66	9.90	8.65	10.61	8.49
78.8745	8.75	9.91	8.54	10.24	8.60
78.9190	8.82	9.83	8.66	10.03	8.76
78.9636	8.82	9.80	8.77	9.78	8.87
79.0081	8.73	9.89	8.90	9.58	9.01
79.0527	8.67	9.77	8.98	9.22	9.28
79.0973	8.67	9.69	9.13	8.97	9.49
79.1418	8.53	9.56	9.26	8.85	9.72
79.1864	8.40	9.50	9.45	8.64	9.96
79.2310	8.17	9.67	9.59	8.42	10.23
79.2755	8.13	9.85	9.63	8.16	10.52
79.3201	8.19	9.85	9.77	7.86	10.82
79.3646	8.24	9.86	9.84	7.66	11.14
79.4092	8.21	10.03	9.97	7.79	11.25
79.4538	8.20	10.09	10.09	7.89	11.44
79.4983	8.21	10.04	10.09	7.84	11.65
79.5429	8.39	10.17	10.03	7.60	11.86

79.5874	8.41	10.16	10.10	7.49	12.03
79.6320	8.37	9.92	10.05	7.55	12.19
79.6766	8.24	9.80	9.97	7.54	12.26
79.7211	8.23	9.76	9.76	7.51	12.27
79.7657	8.17	9.79	9.69	7.50	12.22
79.8103	8.11	9.83	9.74	7.62	12.10
79.8548	8.02	9.91	9.63	7.78	11.86
79.8994	7.98	9.80	9.49	7.93	11.70
79.9439	8.13	9.79	9.46	8.03	11.42
79.9885	8.36	9.90	9.38	8.07	11.28
80.0331	8.33	9.95	9.49	8.05	11.17
80.0776	8.22	9.99	9.55	8.13	11.09
80.1222	8.16	10.11	9.58	8.26	10.93
80.1667	8.29	10.12	9.60	8.31	10.64
80.2113	8.57	10.14	9.64	8.27	10.27
80.2559	8.79	10.12	9.62	8.34	9.95
80.3004	8.86	10.09	9.63	8.50	9.63
80.3450	8.87	10.01	9.52	8.67	9.21
80.3896	8.85	10.18	9.39	8.86	8.74
80.4341	8.92	10.09	9.15	9.01	8.24
80.4787	9.04	10.07	9.05	9.15	7.76
80.5232	9.05	10.12	8.97	9.44	7.45
80.5678	8.90	10.29	8.92	9.62	7.40
80.6124	8.76	10.48	8.84	9.78	7.24
80.6569	8.83	10.45	8.72	9.91	7.08
80.7015	8.90	10.24	8.59	10.12	7.01
80.7461	8.92	10.10	8.56	10.45	6.87
80.7906	8.86	10.06	8.56	10.84	6.68
80.8352	8.84	10.12	8.36	11.09	6.70
80.8797	8.88	10.13	8.24	11.20	6.59
80.9243	8.92	10.05	8.18	11.32	6.54
80.9689	8.80	9.83	8.16	11.60	6.53
81.0134	8.57	9.68	8.02	11.92	6.36
81.0580	8.42	9.64	7.93	12.27	6.31
81.1025	8.36	9.76	7.81	12.25	6.31
81.1471	8.43	9.74	7.85	12.09	6.27
81.1917	8.44	9.51	7.96	12.07	6.11
81.2362	8.38	9.39	7.97	12.12	6.11
81.2808	8.37	9.41	8.00	12.23	6.34
81.3254	8.49	9.40	8.12	12.23	6.51
81.3699	8.58	9.39	8.25	12.14	6.63
81.4145	8.60	9.57	8.58	12.05	6.75
81.4590	8.57	9.70	8.81	11.93	6.94
81.5036	8.62	9.50	8.87	11.81	7.16
81.5482	8.67	9.39	8.84	11.60	7.30
81.5927	8.86	9.48	8.78	11.39	7.41
81.6373	8.77	9.51	8.66	11.16	7.51
81.6819	8.57	9.52	8.68	11.08	7.61
81.7264	8.43	9.48	8.71	10.95	7.81
81.7710	8.43	9.31	8.75	10.77	8.11
81.8155	8.52	9.30	8.66	10.56	8.21
81.8601	8.63	9.28	8.67	10.36	8.30
81.9047	8.72	9.30	8.63	10.26	8.35
81.9492	8.67	9.27	8.54	10.08	8.39
81.9938	8.56	9.37	8.60	9.80	8.52
82.0383	8.68	9.33	8.74	9.44	8.60
82.0829	8.80	9.18	8.96	9.07	8.84
82.1275	8.91	9.07	9.17	8.84	9.23
82.1720	8.87	9.07	9.31	8.67	9.50
82.2166	8.98	9.18	9.45	8.44	9.76

82.2612	9.05	9.35	9.43	8.19	9.79
82.3057	9.17	9.30	9.41	8.05	9.80
82.3503	9.16	9.03	9.50	8.03	9.92
82.3948	9.09	8.94	9.59	8.04	9.89
82.4394	9.09	8.94	9.68	8.01	9.79
82.4840	9.04	8.89	9.72	7.88	9.78
82.5285	8.98	8.83	9.79	7.69	10.00
82.5731	8.93	8.58	9.98	7.72	10.25
82.6176	8.84	8.58	10.10	7.75	10.45
82.6622	8.79	8.87	10.18	7.80	10.75
82.7068	8.88	8.93	10.21	7.77	11.01
82.7513	8.94	8.86	10.30	7.77	11.17
82.7959	8.86	8.89	10.40	7.90	11.32
82.8405	8.78	8.99	10.44	8.16	11.42
82.8850	8.74	9.10	10.58	8.40	11.40
82.9296	8.74	9.31	10.62	8.56	11.38
82.9741	8.78	9.31	10.62	8.59	11.36
83.0187	8.75	9.25	10.61	8.73	11.37
83.0633	8.58	9.11	10.50	8.99	11.58
83.1078	8.61	9.02	10.52	9.17	11.62
83.1524	8.67	9.03	10.54	9.23	11.65
83.1970	8.81	9.11	10.60	9.22	11.45
83.2415	8.90	9.24	10.71	9.17	11.24
83.2861	8.84	9.27	10.73	9.23	11.14
83.3306	8.81	9.24	10.76	9.35	11.20
83.3752	8.92	9.18	10.73	9.47	11.09
83.4198	9.10	9.26	10.72	9.41	10.93
83.4643	9.23	9.20	10.59	9.33	10.89
83.5089	9.23	8.96	10.51	9.48	11.01
83.5534	9.30	8.89	10.55	9.59	11.09
83.5980	9.47	8.94	10.55	9.64	11.05
83.6426	9.56	8.71	10.41	9.74	10.83
83.6871	9.59	8.49	10.27	9.89	10.58
83.7317	9.41	8.21	10.36	10.12	10.51
83.7763	9.22	8.19	10.10	10.32	10.26
83.8208	9.09	8.21	9.91	10.43	10.09
83.8654	9.13	8.06	9.76	10.36	9.92
83.9099	9.28	8.07	9.62	10.42	9.54
83.9545	9.26	8.22	9.52	10.48	9.31
83.9991	9.12	8.40	9.38	10.64	9.12
84.0436	9.22	8.58	9.32	10.78	9.05
84.0882	9.46	8.70	9.18	10.76	8.94
84.1328	9.68	8.77	9.02	10.75	8.69
84.1773	9.80	8.65	8.78	10.88	8.60
84.2219	9.84	8.59	8.61	11.11	8.55
84.2664	9.83	8.46	8.42	11.17	8.38
84.3110	9.84	8.57	8.34	11.24	8.12
84.3556	9.91	8.66	8.27	11.29	7.88
84.4001	9.80	8.78	8.25	11.32	7.56
84.4447	9.75	8.92	8.41	11.37	7.36
84.4892	9.66	9.05	8.48	11.44	7.24
84.5338	9.62	9.39	8.52	11.51	7.24
84.5784	9.57	9.47	8.55	11.63	7.14
84.6229	9.44	9.38	8.56	11.89	6.92
84.6675	9.22	9.42	8.58	12.13	6.87
84.7121	9.12	9.48	8.47	12.29	6.92
84.7566	9.10	9.37	8.42	12.40	6.95
84.8012	9.11	9.21	8.38	12.39	7.04
84.8457	9.02	9.09	8.51	12.31	7.07
84.8903	8.96	9.02	8.50	12.37	7.23

84.9349	8.85	8.94	8.43	12.28	7.24
84.9794	8.77	8.82	8.44	12.10	7.45
85.0240	8.67	8.72	8.34	11.98	7.66
85.0686	8.76	8.79	8.23	11.82	7.87
85.1131	8.72	8.83	8.28	11.67	8.04
85.1577	8.76	8.88	8.42	11.47	8.20
85.2022	8.81	8.79	8.60	11.16	8.34
85.2468	8.88	8.79	8.62	10.83	8.46
85.2914	8.92	8.77	8.54	10.56	8.46
85.3359	8.90	8.81	8.61	10.40	8.52
85.3805	8.83	8.84	8.74	10.22	8.85
85.4250	8.84	9.09	8.85	9.94	9.19
85.4696	8.81	9.17	9.00	9.66	9.22
85.5142	8.78	9.07	9.21	9.44	9.31
85.5587	8.66	9.01	9.44	9.30	9.50
85.6033	8.62	9.05	9.60	9.18	9.76
85.6479	8.75	9.15	9.69	8.92	10.06
85.6924	8.83	9.38	9.76	8.69	10.43
85.7370	8.78	9.36	9.89	8.45	10.76
85.7815	8.68	9.39	9.97	8.29	11.15
85.8261	8.66	9.58	9.88	8.24	11.41
85.8707	8.69	9.60	9.84	8.12	11.62
85.9152	8.78	9.60	9.67	7.89	11.75
85.9598	8.80	9.70	9.64	7.56	12.00
86.0043	8.80	9.67	9.58	7.45	12.09
86.0489	8.75	9.67	9.50	7.39	12.12
86.0935	8.75	9.57	9.42	7.12	12.07
86.1380	8.72	9.45	9.38	7.01	12.10
86.1826	8.67	9.58	9.21	6.97	12.18
86.2272	8.65	9.75	9.13	7.07	12.24
86.2717	8.61	9.72	9.24	7.04	12.34
86.3163	8.68	9.73	9.37	7.04	12.40
86.3608	8.92	9.71	9.48	7.03	12.42
86.4054	9.18	9.77	9.61	6.97	12.23
86.4500	9.19	9.83	9.67	6.97	12.19
86.4945	9.00	9.82	9.67	7.09	12.13
86.5391	8.97	9.88	9.41	7.23	12.01
86.5837	9.05	9.98	9.28	7.29	11.99
86.6282	9.04	9.88	9.10	7.30	11.93
86.6728	8.97	9.71	9.08	7.46	11.76
86.7173	8.79	9.64	9.03	7.74	11.55
86.7619	8.82	9.60	8.90	8.08	11.25
86.8065	8.81	9.45	8.88	8.34	10.87
86.8510	8.75	9.30	8.82	8.58	10.64
86.8956	8.61	9.08	8.75	8.94	10.40
86.9401	8.39	9.08	8.82	9.37	10.24
86.9847	8.32	9.19	8.86	9.63	10.07
87.0293	8.31	9.13	8.85	9.78	9.99
87.0738	8.28	9.15	8.76	9.90	9.80
87.1184	8.24	9.10	8.67	10.21	9.51
87.1630	8.21	8.91	8.62	10.47	9.33
87.2075	8.35	8.72	8.53	10.62	8.99
87.2521	8.65	8.60	8.37	10.68	8.57
87.2966	8.95	8.63	8.17	10.76	8.29
87.3412	9.02	8.66	8.18	10.88	7.89
87.3858	8.96	8.68	8.36	11.06	7.61
87.4303	8.86	8.59	8.52	11.32	7.39
87.4749	8.98	8.71	8.59	11.58	7.25
87.5195	9.11	8.84	8.78	11.75	7.27
87.5640	9.13	9.02	8.84	11.87	7.11

87.6086	9.00	9.18	8.94	11.99	6.96
87.6531	8.99	9.05	8.89	12.10	6.80
87.6977	9.05	9.13	8.82	12.27	6.66
87.7423	9.11	9.27	8.85	12.40	6.74
87.7868	9.11	9.55	8.88	12.53	6.77
87.8314	8.96	9.82	8.98	12.63	6.84
87.8759	8.78	9.86	9.15	12.64	6.77
87.9205	8.71	9.99	9.26	12.52	6.70
87.9651	8.80	10.08	9.39	12.31	6.69
88.0096	8.98	10.14	9.33	12.32	6.65
88.0542	9.00	10.11	9.30	12.33	6.52
88.0988	8.93	10.07	9.26	12.34	6.60
88.1433	8.94	10.09	9.27	12.31	6.45
88.1879	9.04	10.10	9.27	12.22	6.41
88.2324	9.24	10.10	9.42	12.14	6.44
88.2770	9.18	10.11	9.68	12.00	6.68
88.3216	9.00	10.20	9.97	11.94	6.95
88.3661	9.00	10.24	10.06	11.76	7.24
88.4107	9.07	10.16	10.09	11.37	7.42
88.4553	9.15	10.13	10.18	11.00	7.54
88.4998	9.08	10.06	10.17	10.78	7.67
88.5444	8.95	9.93	10.22	10.64	7.83
88.5889	8.83	9.98	10.38	10.42	8.10
88.6335	8.78	9.92	10.43	10.10	8.38
88.6781	8.81	9.76	10.37	9.76	8.66
88.7226	8.92	9.53	10.42	9.60	9.02
88.7672	8.79	9.24	10.56	9.50	9.36
88.8117	8.72	9.24	10.57	9.17	9.57
88.8563	8.83	9.15	10.55	8.86	9.78
88.9009	8.97	9.00	10.70	8.75	10.11
88.9454	8.95	8.77	10.86	8.58	10.44
88.9900	8.86	8.64	10.86	8.47	10.58
89.0346	8.96	8.53	10.83	8.33	10.64
89.0791	9.13	8.51	10.75	8.07	10.75
89.1237	9.11	8.65	10.66	7.81	10.84
89.1682	8.92	8.63	10.60	7.59	11.00
89.2128	8.73	8.49	10.52	7.39	11.16
89.2574	8.72	8.45	10.48	7.42	11.30
89.3019	8.75	8.34	10.32	7.33	11.56
89.3465	8.70	8.40	10.31	7.26	11.73
89.3910	8.66	8.43	10.21	7.26	11.70
89.4356	8.59	8.71	10.18	7.48	11.63
89.4802	8.50	8.74	10.17	7.62	11.60
89.5247	8.45	8.73	10.06	7.68	11.40
89.5693	8.54	8.65	9.99	7.88	11.26
89.6139	8.50	8.74	9.80	8.05	11.13
89.6584	8.30	8.89	9.71	8.08	11.01
89.7030	8.13	9.04	9.63	8.02	10.93
89.7475	8.06	9.04	9.62	8.05	10.95
89.7921	8.10	9.04	9.64	8.16	10.88
89.8367	8.18	9.23	9.46	8.39	10.69
89.8812	8.13	9.35	9.27	8.57	10.52
89.9258	8.08	9.42	9.15	8.78	10.26
89.9704	8.24	9.45	9.11	8.95	9.93
90.0149	8.35	9.52	9.08	9.10	9.57
90.0595	8.42	9.53	9.29	9.27	9.17
90.1040	8.47	9.42	9.48	9.56	8.89
90.1486	8.34	9.44	9.57	9.78	8.55
90.1932	8.30	9.42	9.71	9.86	8.14
90.2377	8.30	9.52	9.72	9.80	7.85

90.2823	8.27	9.53	9.72	9.77	7.50
90.3268	8.27	9.53	9.69	9.89	7.30
90.3714	8.36	9.55	9.55	10.14	7.13
90.4160	8.49	9.64	9.46	10.36	7.03
90.4605	8.77	9.84	9.34	10.60	6.93
90.5051	8.94	9.92	9.21	10.82	6.94
90.5497	8.94	9.89	9.17	11.07	6.81
90.5942	8.82	9.86	9.19	11.21	6.74
90.6388	8.79	9.92	9.24	11.30	6.72
90.6833	8.88	9.99	9.15	11.24	6.75
90.7279	8.95	9.94	9.22	11.35	6.71
90.7725	8.85	9.82	9.39	11.42	6.49
90.8170	8.71	9.72	9.50	11.43	6.33
90.8616	8.69	9.53	9.42	11.54	6.09
90.9062	8.79	9.40	9.37	11.76	5.93
90.9507	8.96	9.32	9.41	12.01	5.86
90.9953	9.06	9.38	9.40	12.37	5.83
91.0398	9.10	9.42	9.38	12.71	5.94
91.0844	9.16	9.35	9.29	12.62	6.00
91.1290	9.14	9.34	9.18	12.38	6.00
91.1735	9.11	9.20	9.12	12.22	6.13
91.2181	9.12	9.04	9.06	12.03	6.17
91.2626	9.12	8.87	9.07	12.08	6.30
91.3072	9.14	8.69	9.10	11.93	6.66
91.3518	9.15	8.54	9.02	11.76	6.89
91.3963	9.06	8.38	8.95	11.64	7.11
91.4409	9.13	8.32	8.95	11.60	7.12
91.4855	9.19	8.26	8.93	11.55	7.13
91.5300	9.19	8.22	9.01	11.38	7.32
91.5746	9.40	8.42	8.88	11.14	7.66
91.6191	9.27	8.73	8.83	10.86	7.94
91.6637	9.10	8.78	8.78	10.64	8.10
91.7083	8.97	8.80	8.83	10.41	8.43
91.7528	8.86	8.93	8.93	10.26	8.69
91.7974	8.96	9.10	8.81	9.96	8.99
91.8420	8.98	9.23	8.65	9.64	9.30
91.8865	8.87	9.26	8.72	9.29	9.50
91.9311	8.73	9.24	8.95	8.93	9.61
91.9756	8.73	9.17	9.01	8.68	9.76
92.0202	8.81	9.22	9.01	8.51	9.91
92.0648	8.81	9.30	9.12	8.17	10.31
92.1093	8.73	9.37	9.32	7.99	10.62
92.1539	8.62	9.50	9.43	7.83	10.83
92.1984	8.61	9.43	9.47	7.64	11.20
92.2430	8.72	9.48	9.49	7.32	11.40
92.2876	8.80	9.58	9.49	7.14	11.51
92.3321	8.80	9.76	9.59	7.08	11.77
92.3767	8.68	9.88	9.60	7.04	11.80
92.4213	8.45	9.92	9.75	6.99	11.84
92.4658	8.41	10.09	9.80	6.89	11.88
92.5104	8.42	10.18	9.68	6.83	11.92
92.5549	8.44	10.09	9.66	6.87	12.14
92.5995	8.34	9.92	9.76	6.92	12.43
92.6441	8.28	9.74	9.68	7.00	12.60
92.6886	8.37	9.76	9.59	7.08	12.68
92.7332	8.46	9.79	9.46	7.15	12.60
92.7777	8.44	9.62	9.35	7.28	12.55
92.8223	8.35	9.57	9.40	7.57	12.63
92.8669	8.29	9.53	9.51	8.05	12.54
92.9114	8.30	9.45	9.43	8.37	12.31

92.9560	8.42	9.32	9.34	8.56	11.98
93.0006	8.41	9.20	9.19	8.74	11.70
93.0451	8.29	9.04	9.02	8.99	11.48
93.0897	8.10	9.05	8.86	9.19	11.31
93.1342	8.00	9.21	8.92	9.38	11.12
93.1788	8.13	9.33	8.81	9.60	11.06
93.2234	8.21	9.47	8.72	9.90	10.80
93.2679	8.20	9.47	8.84	10.18	10.55
93.3125	8.18	9.36	8.97	10.45	10.32
93.3571	8.28	9.27	8.96	10.68	9.96
93.4016	8.57	9.22	8.91	10.81	9.55
93.4462	8.78	9.30	8.80	10.94	9.33
93.4907	8.93	9.41	8.75	11.21	9.05
93.5353	8.90	9.42	8.83	11.41	8.67
93.5799	8.93	9.31	8.99	11.42	8.39
93.6244	9.02	9.34	8.85	11.36	8.16
93.6690	9.19	9.45	8.71	11.27	7.89
93.7135	9.35	9.41	8.63	11.26	7.68
93.7581	9.43	9.19	8.53	11.37	7.39
93.8027	9.50	8.99	8.58	11.47	7.11
93.8472	9.58	8.99	8.53	11.59	6.89
93.8918	9.75	9.09	8.39	11.52	6.67
93.9364	9.93	9.41	8.36	11.56	6.43
93.9809	9.87	9.49	8.49	11.69	6.43
94.0255	9.83	9.57	8.57	11.74	6.45
94.0700	9.95	9.56	8.61	11.55	6.41
94.1146	10.03	9.48	8.43	11.36	6.31
94.1592	10.05	9.55	8.40	11.38	6.34
94.2037	9.98	9.63	8.39	11.40	6.41
94.2483	9.77	9.61	8.42	11.42	6.43
94.2929	9.60	9.58	8.43	11.39	6.36
94.3374	9.64	9.68	8.45	11.43	6.51
94.3820	9.68	9.73	8.46	11.40	6.78
94.4265	9.51	9.66	8.37	11.42	7.04
94.4711	9.36	9.61	8.32	11.58	7.28
94.5157	9.30	9.61	8.38	11.54	7.61
94.5602	9.29	9.75	8.36	11.33	7.85
94.6048	9.15	9.94	8.19	11.16	8.06
94.6493	8.91	9.84	8.14	11.11	8.34
94.6939	8.85	9.92	8.27	11.04	8.58
94.7385	8.74	10.13	8.32	11.02	8.69
94.7830	8.77	10.09	8.22	10.94	8.75
94.8276	8.85	10.08	8.09	10.65	8.86
94.8722	8.91	9.86	8.12	10.58	9.02
94.9167	8.86	9.63	8.15	10.54	9.30
94.9613	8.78	9.59	8.18	10.40	9.49
95.0058	8.90	9.71	8.21	10.24	9.62
95.0504	9.03	9.64	8.33	10.06	9.70
95.0950	9.04	9.52	8.58	9.91	9.77
95.1395	9.00	9.46	8.80	9.78	9.91
95.1841	8.97	9.37	8.82	9.54	10.07
95.2287	8.98	9.42	8.86	9.27	10.23
95.2732	9.10	9.66	8.92	9.03	10.22
95.3178	9.08	9.70	8.90	9.05	10.58
95.3623	8.98	9.68	8.95	9.12	10.89
95.4069	8.90	9.56	9.03	9.16	11.09
95.4515	8.87	9.47	9.24	9.02	11.15
95.4960	8.91	9.45	9.30	8.82	11.36
95.5406	8.97	9.47	9.61	8.67	11.48
95.5851	8.94	9.53	9.89	8.63	11.58

95.6297	8.79	9.45	10.11	8.64	11.79
95.6743	8.71	9.34	10.22	8.68	11.89
95.7188	8.61	9.23	10.21	8.49	11.87
95.7634	8.47	9.16	10.14	8.41	11.92
95.8080	8.41	9.35	10.11	8.38	12.05
95.8525	8.52	9.31	10.03	8.37	12.18
95.8971	8.62	9.18	9.85	8.30	12.23
95.9416	8.88	9.06	9.82	8.08	12.20
95.9862	9.06	8.89	9.87	7.95	12.06
96.0308	9.02	8.87	9.84	7.96	11.94
96.0753	8.90	8.92	9.77	7.98	11.84
96.1199	8.99	8.88	9.70	7.95	11.83
96.1644	9.15	8.99	9.74	7.85	11.78
96.2090	9.33	8.85	9.83	7.87	11.74
96.2536	9.30	8.77	9.88	8.02	11.51
96.2981	9.30	8.79	9.91	8.10	11.44
96.3427	9.26	8.78	10.07	8.15	11.39
96.3873	9.34	8.80	10.02	8.16	11.15
96.4318	9.38	8.56	10.00	8.11	10.74
96.4764	9.23	8.53	10.05	8.35	10.52
96.5209	9.03	8.48	9.94	8.70	10.36
96.5655	9.00	8.40	10.10	8.75	10.22
96.6101	9.05	8.44	10.21	8.75	10.18
96.6546	9.01	8.39	10.10	8.96	10.13
96.6992	8.98	8.46	10.05	9.28	10.06
96.7438	9.13	8.36	9.87	9.63	9.88
96.7883	9.33	8.19	9.72	9.91	9.72
96.8329	9.49	8.21	9.58	10.09	9.59
96.8774	9.44	8.17	9.45	10.13	9.30
96.9220	9.31	8.27	9.51	10.27	9.03
96.9666	9.16	8.26	9.45	10.40	8.80
97.0111	9.03	8.36	9.31	10.55	8.56
97.0557	8.94	8.45	9.21	10.52	8.15
97.1002	8.77	8.51	9.24	10.60	7.81
97.1448	8.59	8.57	9.20	10.76	7.57
97.1894	8.38	8.49	9.02	10.88	7.42
97.2339	8.46	8.55	8.94	10.98	7.25
97.2785	8.55	8.70	8.98	11.14	6.97
97.3231	8.67	8.87	9.04	11.25	6.69
97.3676	8.64	9.04	9.09	11.45	6.64
97.4122	8.53	9.17	9.11	11.54	6.60
97.4567	8.56	9.32	9.19	11.63	6.38
97.5013	8.57	9.38	9.25	11.60	6.27
97.5459	8.65	9.31	9.26	11.46	6.18
97.5904	8.68	9.37	9.23	11.29	6.16
97.6350	8.65	9.38	9.13	11.28	6.20
97.6796	8.49	9.57	8.99	11.21	6.24
97.7241	8.44	9.61	8.87	11.05	6.17
97.7687	8.37	9.65	8.75	11.00	6.12
97.8132	8.30	9.64	8.80	11.00	6.06
97.8578	8.22	9.80	8.87	11.09	6.16
97.9024	8.20	9.90	8.71	11.07	6.29
97.9469	8.22	10.12	8.61	10.91	6.56
97.9915	8.30	10.19	8.57	10.84	6.72
98.0360	8.28	10.25	8.55	10.75	6.84
98.0806	8.09	10.05	8.61	10.62	6.92
98.1252	8.04	9.99	8.49	10.55	7.12
98.1697	8.17	10.00	8.39	10.43	7.54
98.2143	8.35	10.01	8.36	10.09	7.95
98.2589	8.50	10.07	8.38	9.92	8.18

98.3034	8.51	10.00	8.57	9.76	8.42
98.3480	8.47	9.92	8.75	9.62	8.67
98.3925	8.51	9.99	8.78	9.42	8.95
98.4371	8.62	10.00	8.93	9.15	9.33
98.4817	8.60	9.77	9.08	8.99	9.69
98.5262	8.55	9.62	9.29	8.99	10.02
98.5708	8.53	9.54	9.35	8.93	10.20
98.6154	8.47	9.46	9.51	8.69	10.46
98.6599	8.51	9.23	9.53	8.35	10.60
98.7045	8.61	9.09	9.55	8.19	10.84
98.7490	8.61	9.05	9.81	8.12	11.05
98.7936	8.69	9.02	9.95	8.03	11.24
98.8382	8.87	9.03	9.96	7.85	11.29
98.8827	9.01	8.82	10.05	7.67	11.34
98.9273	9.03	8.76	10.16	7.45	11.45
98.9718	9.01	8.68	10.17	7.42	11.51
99.0164	9.03	8.62	10.19	7.47	11.51
99.0610	9.25	8.80	10.19	7.45	11.46
99.1055	9.51	8.87	9.99	7.48	11.38
99.1501	9.51	8.99	9.84	7.48	11.28
99.1947	9.17	9.11	9.72	7.49	11.20
99.2392	9.04	9.30	9.69	7.61	11.00
99.2838	8.87	9.47	9.64	7.82	10.81
99.3283	8.82	9.44	9.62	7.90	10.67
99.3729	8.79	9.56	9.67	8.10	10.66
99.4175	8.67	9.64	9.72	8.20	10.78
99.4620	8.50	9.78	9.71	8.36	10.74
99.5066	8.50	9.74	9.56	8.50	10.61
99.5511	8.55	9.85	9.52	8.66	10.36
99.5957	8.57	10.03	9.40	8.96	10.29
99.6403	8.50	10.13	9.25	9.37	10.13
99.6848	8.40	10.18	9.26	9.56	9.90
99.7294	8.30	10.23	9.32	9.64	9.63
99.7740	8.24	10.51	9.37	9.79	9.39
99.8185	8.21	10.64	9.22	9.88	9.05
99.8631	8.19	10.59	9.17	10.13	8.81
99.9076	8.18	10.71	9.14	10.41	8.48
99.9522	8.12	10.98	9.11	10.55	8.21
99.9968	8.24	10.82	9.11	10.59	8.05
100.0413	8.45	10.58	9.04	10.66	7.84
100.0859	8.57	10.64	8.99	10.82	7.64
100.1305	8.58	10.73	9.13	11.04	7.41
100.1750	8.58	10.73	9.12	11.15	7.21
100.2196	8.62	10.58	8.99	11.18	7.00
100.2641	8.74	10.48	8.99	11.22	6.88
100.3087	8.75	10.54	8.90	11.28	6.81
100.3533	8.71	10.50	8.92	11.32	6.83
100.3978	8.76	10.57	8.94	11.42	6.73
100.4424	8.82	10.60	9.00	11.51	6.75
100.4869	8.87	10.55	9.17	11.58	6.54
100.5315	8.83	10.55	9.21	11.69	6.47
100.5761	8.81	10.47	9.28	11.99	6.43
100.6206	8.85	10.36	9.37	12.18	6.34
100.6652	8.91	10.27	9.48	12.17	6.18
100.7098	8.99	10.06	9.49	12.01	6.07
100.7543	8.96	9.72	9.37	11.90	6.14
100.7989	8.81	9.38	9.28	11.79	6.25
100.8434	8.74	9.29	9.37	11.70	6.38
100.8880	8.81	9.32	9.49	11.65	6.60
100.9326	8.91	9.50	9.41	11.61	6.82

100.9771	9.04	9.55	9.29	11.53	6.89
101.0217	9.01	9.43	9.18	11.60	6.99
101.0663	9.00	9.37	9.30	11.67	7.09
101.1108	9.02	9.33	9.35	11.81	7.11
101.1554	9.11	9.43	9.27	11.89	7.14
101.1999	9.20	9.30	9.20	11.80	7.25
101.2445	9.11	9.17	9.17	11.64	7.49
101.2891	8.99	9.05	9.15	11.49	7.68
101.3336	8.84	9.01	9.03	11.18	7.89
101.3782	8.78	9.06	9.06	10.94	8.05
101.4227	8.79	9.08	9.03	10.68	8.25
101.4673	8.80	9.02	9.00	10.49	8.59
101.5119	8.78	9.05	9.04	10.49	8.98
101.5564	8.93	9.12	9.23	10.36	9.26
101.6010	9.05	9.30	9.45	10.18	9.56
101.6456	9.19	9.40	9.44	10.00	9.83
101.6901	9.26	9.56	9.41	9.80	10.12
101.7347	9.17	9.65	9.42	9.73	10.50
101.7792	9.02	9.71	9.54	9.57	10.83
101.8238	9.06	9.83	9.61	9.38	11.06
101.8684	9.00	9.67	9.61	9.03	11.06
101.9129	8.94	9.59	9.59	8.72	11.14
101.9575	8.81	9.51	9.66	8.39	11.24
102.0020	8.62	9.43	9.72	8.29	11.31
102.0466	8.62	9.43	9.76	8.24	11.30
102.0912	8.77	9.39	9.84	8.13	11.47
102.1357	8.82	9.40	9.71	7.97	11.62
102.1803	8.81	9.34	9.60	7.81	11.91
102.2249	8.79	9.38	9.46	7.65	12.18
102.2694	8.89	9.52	9.41	7.43	12.40
102.3140	8.98	9.60	9.31	7.20	12.62
102.3585	9.10	9.50	9.20	7.13	12.73
102.4031	8.94	9.27	9.10	7.06	12.63
102.4477	8.74	9.12	9.01	7.00	12.58
102.4922	8.56	9.07	8.79	6.94	12.38
102.5368	8.65	9.09	8.80	6.94	12.16
102.5814	8.77	9.02	8.73	7.01	11.92
102.6259	8.80	8.97	8.60	7.17	11.54
102.6705	8.69	8.92	8.58	7.29	11.31
102.7150	8.72	9.07	8.71	7.30	11.19
102.7596	8.80	9.16	8.86	7.41	11.00
102.8042	8.84	9.26	8.94	7.68	10.80
102.8487	8.76	9.18	8.94	7.92	10.56
102.8933	8.65	8.91	8.91	8.28	10.29
102.9378	8.57	8.74	8.75	8.53	9.85
102.9824	8.55	8.83	8.65	8.62	9.70
103.0270	8.44	8.99	8.54	8.84	9.48
103.0715	8.43	9.09	8.44	9.28	9.09
103.1161	8.37	8.98	8.37	9.70	8.77
103.1607	8.34	9.00	8.34	10.02	8.64
103.2052	8.28	9.05	8.22	10.22	8.59
103.2498	8.14	9.14	8.17	10.52	8.46
103.2943	8.12	9.14	8.07	10.77	8.40
103.3389	8.22	8.90	8.09	11.09	8.01
103.3835	8.26	8.84	8.18	11.22	7.63
103.4280	8.39	8.75	8.35	11.33	7.26
103.4726	8.49	8.89	8.43	11.41	6.89
103.5172	8.48	8.96	8.33	11.50	6.73
103.5617	8.52	8.82	8.42	11.57	6.55
103.6063	8.74	8.78	8.36	11.64	6.46

103.6508	9.04	8.56	8.35	11.63	6.40
103.6954	9.15	8.39	8.41	11.69	6.35
103.7400	9.19	8.16	8.57	11.80	6.28
103.7845	9.23	8.17	8.66	11.71	6.30
103.8291	9.31	8.17	8.87	11.84	6.26
103.8736	9.38	8.12	9.02	11.99	6.07
103.9182	9.50	8.15	9.09	11.96	6.00
103.9628	9.52	8.18	9.19	12.03	6.05
104.0073	9.49	8.09	9.25	12.04	5.99
104.0519	9.53	8.01	9.21	11.98	6.14
104.0965	9.58	7.95	9.25	11.75	6.32
104.1410	9.66	8.05	9.17	11.66	6.51
104.1856	9.65	7.99	9.08	11.68	6.75
104.2301	9.64	7.90	9.14	11.55	7.04
104.2747	9.60	7.82	9.26	11.42	7.26
104.3193	9.50	7.86	9.22	11.36	7.59
104.3638	9.59	8.17	9.24	11.39	7.91
104.4084	9.63	8.31	9.32	11.23	8.27
104.4530	9.58	8.38	9.44	11.27	8.48
104.4975	9.43	8.44	9.49	11.26	8.87
104.5421	9.41	8.46	9.46	11.08	9.28
104.5866	9.47	8.51	9.54	10.88	9.71
104.6312	9.24	8.45	9.63	10.56	10.00
104.6758	9.12	8.55	9.73	10.41	10.19
104.7203	9.00	8.63	9.69	10.23	10.33
104.7649	9.02	8.60	9.58	10.07	10.52
104.8094	9.05	8.61	9.69	9.73	10.75
104.8540	9.11	8.90	9.84	9.48	11.02
104.8986	9.15	9.02	9.81	9.25	11.19
104.9431	9.09	9.11	9.89	9.08	11.26
104.9877	9.14	9.03	9.92	8.95	11.44
105.0323	9.27	8.97	9.92	8.70	11.65
105.0768	9.14	9.20	9.97	8.58	11.74
105.1214	8.95	9.23	10.17	8.55	11.90
105.1659	8.66	9.26	10.37	8.43	11.97
105.2105	8.55	9.29	10.52	8.35	11.91
105.2551	8.59	9.42	10.36	8.23	11.89
105.2996	8.63	9.45	10.25	8.24	12.06
105.3442	8.51	9.31	10.25	8.18	12.14
105.3887	8.45	9.26	10.14	8.19	12.11
105.4333	8.41	9.36	9.82	8.25	12.03
105.4779	8.50	9.45	9.66	8.25	12.10
105.5224	8.56	9.36	9.72	8.20	12.10
105.5670	8.65	9.28	9.80	8.19	12.01
105.6116	8.69	9.34	9.86	8.16	11.83
105.6561	8.71	9.36	9.85	8.17	11.73
105.7007	8.73	9.22	9.86	8.09	11.56
105.7452	8.80	8.99	9.91	8.08	11.49
105.7898	8.80	8.95	9.96	8.33	11.36
105.8344	8.77	8.95	10.08	8.48	11.20
105.8789	8.80	8.71	10.15	8.43	10.95
105.9235	8.96	8.69	10.05	8.39	10.71
105.9681	9.17	8.90	9.86	8.49	10.66
106.0126	9.32	9.15	9.81	8.73	10.62
106.0572	9.30	9.34	9.90	8.96	10.55
106.1017	9.36	9.40	10.01	9.19	10.35
106.1463	9.46	9.37	9.96	9.26	10.25
106.1909	9.59	9.33	9.94	9.33	10.17
106.2354	9.47	9.46	9.92	9.44	10.22
106.2800	9.38	9.62	9.93	9.65	10.23

106.3245	9.53	9.50	10.00	9.78	10.20
106.3691	9.65	9.45	9.82	9.93	10.13
106.4137	9.59	9.43	9.66	10.05	10.01
106.4582	9.35	9.57	9.66	10.21	9.88
106.5028	9.29	9.52	9.67	10.53	9.76
106.5474	9.26	9.46	9.65	10.86	9.66
106.5919	9.35	9.53	9.64	10.96	9.57
106.6365	9.45	9.62	9.57	11.06	9.41
106.6810	9.49	9.70	9.54	11.22	9.21
106.7256	9.43	9.71	9.45	11.29	8.93
106.7702	9.40	9.53	9.37	11.20	8.64
106.8147	9.41	9.58	9.27	11.16	8.42
106.8593	9.44	9.64	9.05	11.31	8.13
106.9039	9.49	9.61	8.92	11.47	7.73
106.9484	9.42	9.68	8.92	11.54	7.52
106.9930	9.39	9.75	8.91	11.58	7.36
107.0375	9.48	9.83	8.97	11.55	7.08
107.0821	9.61	9.98	9.02	11.47	6.80
107.1267	9.48	10.00	8.94	11.52	6.79
107.1712	9.30	10.05	8.89	11.58	6.74
107.2158	9.15	10.00	8.86	11.66	6.69
107.2603	9.00	9.90	8.76	11.63	6.58
107.3049	8.85	9.93	8.52	11.47	6.43
107.3495	8.74	9.90	8.42	11.34	6.33
107.3940	8.70	9.79	8.43	11.25	6.34
107.4386	8.60	9.63	8.50	11.08	6.41
107.4832	8.54	9.45	8.50	10.93	6.47
107.5277	8.52	9.42	8.40	10.84	6.49
107.5723	8.46	9.55	8.41	10.84	6.54
107.6168	8.34	9.58	8.43	10.80	6.65
107.6614	8.18	9.38	8.52	10.72	6.88
107.7060	8.16	9.19	8.53	10.59	7.17
107.7505	8.23	8.89	8.53	10.36	7.30
107.7951	8.15	8.87	8.48	10.23	7.54
107.8397	7.99	9.08	8.40	10.06	7.86
107.8842	7.90	9.15	8.42	9.86	8.01
107.9288	7.76	9.24	8.45	9.64	8.12
107.9733	7.69	9.45	8.40	9.38	8.43
108.0179	7.64	9.71	8.33	9.27	8.76
108.0625	7.56	9.95	8.43	9.05	9.08
108.1070	7.61	10.02	8.55	8.96	9.36
108.1516	7.57	10.13	8.63	8.91	9.69
108.1961	7.56	9.87	8.74	8.67	9.96
108.2407	7.62	9.63	8.83	8.58	10.05
108.2853	7.59	9.52	9.08	8.46	10.18
108.3298	7.60	9.52	9.33	8.24	10.44
108.3744	7.54	9.78	9.50	8.06	10.71
108.4190	7.57	9.72	9.60	7.95	10.85
108.4635	7.64	9.76	9.70	7.80	11.00
108.5081	7.65	9.71	9.76	7.67	11.28
108.5526	7.76	9.62	9.82	7.56	11.46
108.5972	7.83	9.56	9.80	7.37	11.62
108.6418	7.91	9.53	9.81	7.13	11.71
108.6863	8.17	9.60	9.77	6.92	11.66
108.7309	8.39	9.89	9.68	6.77	11.66
108.7754	8.56	9.79	9.77	6.71	11.56
108.8200	8.59	9.64	9.83	6.70	11.52
108.8646	8.64	9.63	9.93	6.69	11.47
108.9091	8.71	9.54	10.15	6.63	11.26
108.9537	8.95	9.43	10.34	6.71	11.20

108.9983	9.11	9.25	10.33	6.96	11.07
109.0428	9.03	9.26	10.33	7.15	10.92
109.0874	9.00	9.49	10.32	7.34	10.68
109.1319	8.99	9.55	10.24	7.48	10.45
109.1765	8.88	9.63	10.24	7.60	10.31
109.2211	8.87	9.82	10.17	7.95	10.19
109.2656	8.83	9.98	10.23	8.34	10.13
109.3102	8.79	9.97	10.22	8.65	10.00
109.3548	8.87	9.86	10.28	8.97	9.90
109.3993	8.87	9.71	10.39	9.22	9.77
109.4439	8.89	9.60	10.39	9.45	9.54
109.4884	8.90	9.52	10.32	9.83	9.33
109.5330	8.95	9.40	10.27	10.23	9.01
109.5776	9.02	9.07	10.28	10.40	8.80
109.6221	9.11	8.87	10.19	10.58	8.58
109.6667	9.07	8.89	10.04	10.87	8.20
109.7112	9.02	8.97	9.82	11.03	7.90
109.7558	9.07	9.01	9.63	11.35	7.56
109.8004	9.13	8.95	9.52	11.50	7.30
109.8449	9.20	8.82	9.41	11.61	7.26
109.8895	9.28	8.75	9.48	11.84	7.20
109.9341	9.27	8.87	9.34	11.97	7.01
109.9786	9.24	8.95	9.11	12.08	6.90
110.0232	9.15	9.00	9.17	12.15	6.85
110.0677	9.09	9.00	9.13	12.16	6.74
110.1123	8.96	8.91	9.01	12.26	6.81
110.1569	8.77	9.01	9.02	12.41	6.83
110.2014	8.71	9.06	8.98	12.37	6.73
110.2460	8.59	9.05	8.95	12.32	6.60
110.2906	8.60	9.02	8.94	12.31	6.55
110.3351	8.54	8.78	8.95	12.34	6.47
110.3797	8.53	8.70	8.95	12.37	6.50
110.4242	8.56	8.64	8.92	12.37	6.62
110.4688	8.65	8.78	8.82	12.24	6.73
110.5134	8.61	9.04	8.82	12.14	6.87
110.5579	8.52	9.04	8.98	12.00	6.89
110.6025	8.43	9.12	9.08	11.83	6.77
110.6470	8.49	8.90	9.06	11.59	6.78
110.6916	8.61	9.03	9.08	11.33	6.98
110.7362	8.70	9.14	9.23	11.12	7.10
110.7807	8.78	9.04	9.36	11.00	7.19
110.8253	8.84	9.13	9.46	10.88	7.20
110.8699	8.85	9.40	9.51	10.83	7.22
110.9144	8.86	9.54	9.51	10.75	7.38
110.9590	8.91	9.73	9.57	10.51	7.50
111.0035	8.91	10.00	9.62	10.33	7.59
111.0481	8.95	10.01	9.68	10.18	7.80
111.0927	9.01	10.07	9.74	10.11	8.02
111.1372	9.08	10.13	9.67	9.96	8.12
111.1818	9.12	10.05	9.65	9.84	8.41
111.2264	9.12	10.07	9.67	9.72	8.65
111.2709	9.05	10.14	9.75	9.73	9.03
111.3155	9.08	10.09	9.68	9.68	9.37
111.3600	9.14	9.99	9.57	9.62	9.60
111.4046	9.23	10.09	9.72	9.44	9.70
111.4492	9.15	10.09	9.93	9.19	10.00
111.4937	9.00	9.88	10.05	9.10	10.26
111.5383	8.81	9.64	10.07	9.01	10.41
111.5828	8.79	9.46	10.04	8.93	10.45
111.6274	8.92	9.33	10.10	8.95	10.47

111.6720	9.05	9.21	10.04	8.77	10.62
111.7165	9.12	8.97	10.16	8.72	10.78
111.7611	8.99	8.88	10.08	8.64	10.85
111.8057	9.00	9.01	9.97	8.48	10.78
111.8502	8.94	9.00	9.85	8.31	10.96
111.8948	9.09	8.99	9.70	8.21	11.18
111.9393	9.16	9.02	9.66	8.11	11.40
111.9839	9.14	8.98	9.61	8.01	11.59
112.0285	9.08	9.07	9.65	7.94	11.71
112.0730	9.08	9.02	9.64	7.82	11.80
112.1176	9.10	8.96	9.78	7.80	11.66
112.1621	9.14	9.11	9.73	7.93	11.60
112.2067	9.08	8.99	9.73	8.08	11.47
112.2513	9.10	8.82	9.64	8.16	11.37
112.2958	9.08	8.76	9.60	8.04	11.15
112.3404	9.02	8.74	9.56	7.97	10.92
112.3850	8.96	8.89	9.52	7.94	10.76
112.4295	8.91	8.70	9.49	8.03	10.74
112.4741	8.92	8.62	9.37	8.16	10.58
112.5186	8.99	8.63	9.32	8.36	10.45
112.5632	8.97	8.80	9.31	8.37	10.32
112.6078	8.86	9.05	9.27	8.47	10.06
112.6523	8.83	9.12	9.09	8.72	9.74
112.6969	8.94	9.23	8.97	8.94	9.66
112.7415	9.00	9.26	8.87	9.14	9.53
112.7860	9.05	9.11	8.64	9.41	9.45
112.8306	8.97	9.07	8.58	9.63	9.32
112.8751	8.84	9.07	8.52	9.85	9.19
112.9197	8.74	9.17	8.35	10.15	8.97
112.9643	8.58	9.24	8.11	10.40	8.60
113.0088	8.52	9.40	7.97	10.64	8.18
113.0534	8.56	9.64	7.76	10.95	7.82
113.0979	8.64	9.86	7.53	11.18	7.64
113.1425	8.55	10.01	7.39	11.35	7.54
113.1871	8.54	10.16	7.25	11.49	7.43
113.2316	8.55	10.36	7.32	11.63	7.39
113.2762	8.47	10.54	7.18	11.79	7.33
113.3208	8.50	10.47	7.08	12.06	7.40
113.3653	8.54	10.14	6.99	12.07	7.44
113.4099	8.61	9.80	6.97	12.14	7.37
113.4544	8.83	9.82	6.94	12.20	7.19
113.4990	8.93	9.69	6.84	12.26	7.08
113.5436	8.90	9.38	6.91	12.29	6.99
113.5881	8.91	9.19	7.18	12.31	6.97
113.6327	8.95	9.17	7.28	12.42	6.90
113.6773	8.94	9.18	7.46	12.25	6.94
113.7218	8.93	8.98	7.54	12.05	6.86
113.7664	8.90	8.81	7.58	11.84	6.91
113.8109	8.91	8.96	7.84	11.62	7.07
113.8555	9.05	8.94	8.16	11.50	7.18
113.9001	8.99	8.74	8.27	11.53	7.26
113.9446	9.02	8.57	8.30	11.49	7.58
113.9892	9.03	8.65	8.31	11.59	7.87
114.0337	9.15	8.77	8.28	11.52	8.10
114.0783	9.07	8.68	8.36	11.33	8.35
114.1229	9.03	8.68	8.39	11.06	8.59
114.1674	8.96	8.74	8.40	10.85	8.82
114.2120	8.93	8.75	8.37	10.58	9.03
114.2566	8.89	8.76	8.64	10.38	9.27
114.3011	8.91	8.77	8.81	10.19	9.62

114.3457	8.90	8.71	8.91	10.04	9.88
114.3902	8.98	8.82	9.00	9.92	10.09
114.4348	9.18	8.81	8.99	9.87	10.31
114.4794	9.19	8.79	9.07	9.70	10.43
114.5239	9.23	8.89	9.24	9.48	10.41
114.5685	9.24	9.07	9.47	9.29	10.47
114.6131	9.20	9.18	9.44	9.02	10.59
114.6576	9.04	8.96	9.42	8.72	10.72
114.7022	9.02	8.95	9.62	8.42	10.79
114.7467	8.97	9.06	9.77	8.19	10.83
114.7913	8.96	9.17	9.83	8.03	10.94
114.8359	8.94	9.43	9.75	8.05	11.08
114.8804	8.94	9.57	9.80	8.00	11.21
114.9250	9.05	9.75	9.78	8.03	11.22
114.9695	9.20	9.73	9.82	8.02	11.29
115.0141	9.14	9.77	9.67	7.89	11.40
115.0587	9.16	9.91	9.67	7.65	11.48
115.1032	9.10	10.04	9.62	7.53	11.51
115.1478	8.93	10.06	9.41	7.47	11.52
115.1924	8.75	9.88	9.33	7.26	11.57
115.2369	8.70	9.85	9.28	7.20	11.61
115.2815	8.56	9.84	9.18	7.20	11.58
115.3260	8.36	10.02	8.99	7.25	11.48
115.3706	8.38	10.16	8.87	7.43	11.40
115.4152	8.39	10.04	8.89	7.63	11.32
115.4597	8.51	9.90	8.93	7.89	11.29
115.5043	8.55	9.86	8.96	8.11	11.24
115.5488	8.53	9.76	9.03	8.24	11.17
115.5934	8.45	9.69	9.07	8.39	11.22
115.6380	8.46	9.57	9.07	8.56	11.08
115.6825	8.49	9.61	9.20	8.58	10.94
115.7271	8.44	9.64	9.29	8.59	10.95
115.7717	8.44	9.76	9.33	8.89	10.91
115.8162	8.46	9.89	9.43	9.13	10.73
115.8608	8.46	9.86	9.36	9.16	10.52
115.9053	8.65	9.80	9.36	9.32	10.12
115.9499	8.78	9.84	9.43	9.46	9.93
115.9945	8.83	9.82	9.41	9.75	9.89
116.0390	8.83	9.94	9.21	10.03	9.77
116.0836	8.89	9.95	9.23	10.11	9.57
116.1282	8.95	10.01	9.13	10.33	9.35
116.1727	8.95	10.11	9.05	10.64	9.20
116.2173	8.93	10.02	9.05	10.78	8.96
116.2618	8.92	10.01	8.97	10.90	8.80
116.3064	9.07	9.95	9.07	11.12	8.75
116.3510	9.19	9.81	9.15	11.25	8.58
116.3955	9.28	9.83	9.07	11.32	8.46
116.4401	9.28	9.71	9.01	11.50	8.42
116.4846	9.23	9.57	8.89	11.58	8.22
116.5292	9.27	9.46	8.88	11.61	7.98
116.5738	9.36	9.23	8.78	11.61	7.81
116.6183	9.36	9.09	8.81	11.71	7.58
116.6629	9.42	8.99	8.94	11.81	7.38
116.7075	9.45	9.15	8.89	11.78	7.25
116.7520	9.44	9.25	8.91	11.76	7.06
116.7966	9.45	9.10	9.11	11.74	7.01
116.8411	9.55	9.10	9.23	11.86	7.05
116.8857	9.61	9.20	9.17	11.90	7.08
116.9303	9.62	9.51	9.33	11.88	7.03
116.9748	9.68	9.57	9.36	11.74	6.98

117.0194	9.71	9.38	9.51	11.59	6.98
117.0640	9.73	9.42	9.54	11.44	7.07
117.1085	9.69	9.40	9.55	11.35	7.18
117.1531	9.72	9.52	9.56	11.34	7.23
117.1976	9.68	9.49	9.58	11.27	7.24
117.2422	9.61	9.45	9.58	11.10	7.22
117.2868	9.57	9.25	9.47	10.94	7.35
117.3313	9.51	8.92	9.52	10.78	7.57
117.3759	9.58	8.68	9.56	10.64	7.76
117.4204	9.58	8.59	9.63	10.52	7.70
117.4650	9.54	8.65	9.71	10.36	7.79
117.5096	9.49	8.72	9.80	10.14	7.86
117.5541	9.39	8.72	9.91	9.95	7.93
117.5987	9.25	8.76	10.06	9.84	8.21
117.6433	9.14	8.72	10.23	9.73	8.59
117.6878	9.15	8.82	10.28	9.56	8.81
117.7324	9.07	8.72	10.37	9.40	8.91
117.7769	8.90	8.54	10.39	9.18	9.12
117.8215	8.71	8.62	10.46	9.02	9.41
117.8661	8.45	8.74	10.52	8.91	9.69
117.9106	8.29	8.93	10.67	8.89	9.90
117.9552	8.13	9.18	10.60	8.73	9.89
117.9998	7.98	9.37	10.50	8.70	10.00
118.0443	7.82	9.64	10.57	8.65	10.26
118.0889	7.71	9.65	10.59	8.50	10.59
118.1334	7.61	9.61	10.59	8.38	10.85
118.1780	7.65	9.62	10.52	8.21	10.94
118.2226	7.69	9.63	10.59	8.12	11.10
118.2671	7.65	9.75	10.58	8.05	11.27
118.3117	7.54	9.78	10.51	7.97	11.54
118.3562	7.48	9.66	10.40	7.81	11.59
118.4008	7.42	9.65	10.10	7.62	11.61
118.4454	7.49	9.47	9.84	7.49	11.55
118.4899	7.41	9.27	9.69	7.40	11.63
118.5345	7.42	9.10	9.73	7.38	11.68
118.5791	7.51	8.95	9.79	7.37	11.67
118.6236	7.52	8.93	9.87	7.37	11.47
118.6682	7.53	8.87	9.85	7.23	11.25
118.7127	7.59	8.93	9.88	7.15	11.02
118.7573	7.76	8.92	9.92	7.19	10.81
118.8019	7.85	9.13	9.93	7.15	10.66
118.8464	8.10	9.21	9.92	7.23	10.51
118.8910	8.25	9.19	9.80	7.28	10.29
118.9355	8.43	9.21	9.80	7.30	10.05
118.9801	8.51	9.04	9.96	7.39	9.95
119.0247	8.54	9.02	9.94	7.49	9.79
119.0692	8.59	9.19	9.84	7.63	9.65
119.1138	8.75	9.27	9.71	7.92	9.59
119.1584	8.80	9.28	9.64	8.21	9.46
119.2029	8.77	9.29	9.59	8.41	9.21
119.2475	8.65	9.31	9.52	8.71	8.97
119.2920	8.56	9.37	9.50	9.09	8.80
119.3366	8.51	9.32	9.45	9.32	8.46
119.3812	8.60	9.31	9.42	9.63	8.20
119.4257	8.58	9.13	9.39	9.91	7.95
119.4703	8.62	9.05	9.36	10.26	7.83
119.5149	8.63	8.78	9.30	10.48	7.54
119.5594	8.65	8.57	9.17	10.59	7.34
119.6040	8.78	8.59	9.03	10.73	7.16
119.6485	8.88	8.68	8.86	11.07	7.08

119.6931	8.97	8.71	8.80	11.36	6.94
119.7377	9.06	8.71	8.82	11.61	6.80
119.7822	9.15	8.79	8.65	11.83	6.67
119.8268	9.15	9.01	8.50	11.99	6.52
119.8713	9.11	9.00	8.38	12.17	6.32
119.9159	9.00	9.03	8.26	12.32	6.15
119.9605	8.90	9.08	8.24	12.32	6.06
120.0050	8.85	9.16	8.40	12.46	6.06
120.0496	8.76	9.37	8.60	12.52	6.07
120.0942	8.64	9.40	8.74	12.54	6.12
120.1387	8.49	9.49	8.81	12.63	6.07
120.1833	8.53	9.62	8.79	12.52	6.07
120.2278	8.67	9.72	8.79	12.34	6.05
120.2724	8.71	9.85	8.66	12.38	6.17
120.3170	8.78	9.82	8.51	12.38	6.36
120.3615	8.82	9.92	8.53	12.28	6.50
120.4061	8.92	10.11	8.60	12.07	6.45
120.4507	8.98	10.25	8.55	11.73	6.53
120.4952	8.92	10.23	8.48	11.45	6.69
120.5398	8.94	10.25	8.42	11.24	6.95
120.5843	8.97	10.32	8.44	10.98	7.10
120.6289	8.99	10.30	8.48	10.69	7.22
120.6735	9.01	10.37	8.46	10.38	7.43
120.7180	9.00	10.53	8.41	10.22	7.72
120.7626	8.95	10.69	8.42	10.11	7.89
120.8071	9.04	10.81	8.52	9.89	8.21
120.8517	9.12	10.90	8.67	9.62	8.58
120.8963	9.22	10.87	8.81	9.44	8.95
120.9408	9.15	10.99	8.92	9.24	9.25
120.9854	8.99	11.01	9.00	9.11	9.45
121.0300	8.79	10.86	9.20	8.93	9.71
121.0745	8.73	10.84	9.25	8.75	9.99
121.1191	8.70	10.65	9.33	8.56	10.22
121.1636	8.57	10.59	9.37	8.48	10.53
121.2082	8.50	10.53	9.39	8.40	10.89
121.2528	8.52	10.45	9.38	8.55	11.10
121.2973	8.62	10.25	9.41	8.55	11.34
121.3419	8.69	10.14	9.49	8.54	11.39
121.3864	8.67	9.81	9.56	8.52	11.49
121.4310	8.76	9.58	9.54	8.49	11.59
121.4756	8.81	9.57	9.49	8.33	11.65
121.5201	8.86	9.49	9.57	8.23	11.74
121.5647	8.82	9.21	9.66	8.09	11.85
121.6093	8.81	8.99	9.57	8.03	12.00
121.6538	8.78	8.84	9.44	8.04	12.00
121.6984	8.80	8.87	9.52	8.05	12.06
121.7429	8.76	8.86	9.56	8.17	11.99
121.7875	8.96	8.81	9.47	8.24	11.90
121.8321	9.04	8.84	9.38	8.38	11.86
121.8766	9.03	8.86	9.47	8.55	11.85
121.9212	9.04	8.98	9.53	8.65	11.83
121.9658	9.02	9.21	9.60	8.83	11.80
122.0103	8.92	9.36	9.72	9.05	11.63
122.0549	8.89	9.53	9.87	9.15	11.53
122.0994	8.88	9.48	9.95	9.14	11.44
122.1440	8.91	9.30	10.03	9.24	11.36
122.1886	9.00	9.03	9.94	9.44	11.19
122.2331	9.14	8.98	9.92	9.66	10.86
122.2777	9.30	8.99	9.92	9.64	10.48
122.3222	9.32	8.91	9.82	9.75	10.23

122.3668	9.22	8.96	9.74	9.97	9.97
122.4114	9.19	8.85	9.77	10.13	9.88
122.4559	9.21	8.80	9.68	10.25	9.56
122.5005	9.28	8.71	9.55	10.49	9.22
122.5451	9.31	8.69	9.56	10.70	8.93
122.5896	9.29	8.80	9.53	10.78	8.62
122.6342	9.28	8.78	9.45	10.96	8.30
122.6787	9.34	8.66	9.31	11.12	8.00
122.7233	9.45	8.73	9.27	11.33	7.55
122.7679	9.51	8.92	9.30	11.55	7.29
122.8124	9.36	9.19	9.35	11.70	6.99
122.8570	9.21	9.29	9.15	11.82	6.75
122.9016	9.12	9.30	8.92	11.91	6.80
122.9461	9.16	9.39	8.87	11.97	6.85
122.9907	9.14	9.40	8.66	12.02	6.89
123.0352	9.22	9.47	8.53	12.18	6.88
123.0798	9.22	9.83	8.50	12.33	6.83
123.1244	9.08	9.92	8.51	12.39	6.75
123.1689	9.07	10.00	8.61	12.36	6.70
123.2135	8.93	10.14	8.63	12.42	6.67
123.2580	8.78	10.19	8.71	12.56	6.60
123.3026	8.66	10.08	8.71	12.59	6.53
123.3472	8.50	10.03	8.72	12.53	6.61
123.3917	8.53	9.95	8.51	12.28	6.64
123.4363	8.57	9.50	8.42	12.02	6.67
123.4809	8.61	9.16	8.41	11.80	6.84
123.5254	8.66	8.80	8.45	11.70	7.15
123.5700	8.83	8.60	8.33	11.77	7.44
123.6145	9.02	8.47	8.15	11.64	7.59
123.6591	9.02	8.25	8.09	11.42	7.86
123.7037	8.95	8.17	8.11	11.21	8.05
123.7482	8.88	8.15	8.10	10.98	8.08
123.7928	8.98	8.06	8.07	10.82	8.30
123.8374	9.10	8.04	8.15	10.58	8.52
123.8819	9.16	7.99	8.27	10.20	8.70
123.9265	9.02	8.06	8.31	9.94	8.85
123.9710	8.92	8.18	8.32	9.69	9.16
124.0156	8.80	8.23	8.41	9.57	9.40
124.0602	8.90	8.23	8.49	9.51	9.61
124.1047	9.08	8.33	8.43	9.50	9.69
124.1493	9.16	8.52	8.37	9.37	9.67
124.1938	9.19	8.42	8.44	9.24	9.79
124.2384	9.20	8.28	8.50	9.07	10.01
124.2830	9.31	8.23	8.62	8.87	10.13
124.3275	9.40	8.03	8.77	8.73	10.21
124.3721	9.35	7.95	8.95	8.57	10.44
124.4167	9.22	7.91	9.07	8.41	10.81
124.4612	9.09	8.04	9.13	8.23	11.13
124.5058	9.00	8.06	9.04	8.09	11.30
124.5503	9.00	8.02	9.06	7.94	11.21
124.5949	8.94	8.21	9.07	7.97	11.19
124.6395	8.95	8.23	9.11	7.98	11.21
124.6840	8.92	8.30	9.06	8.03	11.32
124.7286	8.99	8.27	9.19	8.03	11.49
124.7731	9.00	8.22	9.13	7.95	11.75
124.8177	9.01	8.24	9.07	7.88	11.79
124.8623	8.96	8.42	9.16	7.83	11.78
124.9068	8.88	8.71	9.25	7.76	11.89
124.9514	8.80	8.98	9.30	7.68	11.84
124.9960	8.82	9.04	9.32	7.64	11.76

125.0405	8.89	8.94	9.47	7.62	11.72
125.0851	8.97	9.10	9.72	7.55	11.59
125.1296	8.95	9.01	9.83	7.58	11.46
125.1742	8.91	8.98	9.88	7.71	11.47
125.2188	8.96	9.00	9.92	7.89	11.48
125.2633	9.01	9.07	9.85	8.09	11.52
125.3079	8.91	9.18	9.94	8.17	11.45
125.3525	8.75	9.08	10.00	8.25	11.37
125.3970	8.69	9.09	10.03	8.36	11.28
125.4416	8.65	8.95	10.05	8.46	11.10
125.4861	8.58	9.03	10.05	8.56	10.76
125.5307	8.56	8.92	10.13	8.71	10.33
125.5753	8.49	8.80	10.23	8.91	10.04
125.6198	8.38	8.87	10.03	9.24	9.90
125.6644	8.39	8.93	9.94	9.39	9.78
125.7089	8.51	8.89	10.00	9.55	9.55
125.7535	8.52	8.80	10.01	9.78	9.30
125.7981	8.55	8.91	9.95	10.05	9.16
125.8426	8.51	9.02	9.94	10.17	8.97
125.8872	8.43	9.02	9.89	10.37	8.70
125.9318	8.39	9.11	9.75	10.56	8.57
125.9763	8.42	9.01	9.64	10.73	8.40
126.0209	8.50	9.14	9.51	10.90	8.05
126.0654	8.51	9.26	9.30	11.11	7.80
126.1100	8.49	9.22	9.11	11.20	7.65
126.1546	8.55	9.24	8.95	11.29	7.44
126.1991	8.62	9.20	8.97	11.33	7.31
126.2437	8.83	9.17	9.04	11.40	7.07
126.2883	8.92	9.22	9.08	11.45	6.92
126.3328	9.03	9.08	9.11	11.56	6.74
126.3774	9.04	9.05	9.11	11.56	6.59
126.4219	9.12	8.92	9.20	11.59	6.47
126.4665	9.13	8.92	9.23	11.57	6.36
126.5111	9.18	8.94	9.28	11.64	6.42
126.5556	9.31	8.89	9.41	11.69	6.44
126.6002	9.44	8.96	9.57	11.66	6.43
126.6447	9.38	9.06	9.58	11.62	6.63
126.6893	9.31	9.21	9.52	11.54	6.82
126.7339	9.35	9.40	9.50	11.53	6.92
126.7784	9.33	9.65	9.54	11.58	7.14
126.8230	9.35	9.93	9.65	11.48	7.40
126.8676	9.38	9.92	9.65	11.34	7.72
126.9121	9.33	9.88	9.76	11.13	8.01
126.9567	9.32	9.98	9.92	10.94	8.20
127.0012	9.34	10.13	9.87	10.70	8.35
127.0458	9.41	10.30	9.95	10.52	8.62
127.0904	9.30	10.35	9.95	10.32	8.95
127.1349	9.29	10.42	9.92	10.23	9.16
127.1795	9.33	10.32	9.83	10.06	9.45
127.2241	9.26	10.16	9.85	9.84	9.77
127.2686	9.22	9.93	9.98	9.75	9.95
127.3132	9.21	9.69	10.13	9.71	10.17
127.3577	9.14	9.55	10.24	9.63	10.29
127.4023	9.09	9.54	10.36	9.47	10.39
127.4469	9.11	9.41	10.51	9.29	10.55
127.4914	9.12	9.19	10.55	9.13	10.78
127.5360	9.19	9.04	10.54	9.02	10.92
127.5805	9.14	8.87	10.53	8.97	11.10
127.6251	9.05	8.95	10.51	8.87	11.11
127.6697	9.03	9.12	10.38	8.90	11.17

127.7142	9.06	9.16	10.34	8.93	11.23
127.7588	8.95	9.18	10.44	8.84	11.31
127.8034	8.76	9.36	10.53	8.74	11.31
127.8479	8.68	9.56	10.42	8.80	11.29
127.8925	8.60	9.72	10.21	8.70	11.15
127.9370	8.51	9.90	10.19	8.68	11.23
127.9816	8.42	10.13	10.00	8.72	11.28
128.0262	8.37	10.23	9.86	8.77	11.38
128.0707	8.35	10.22	9.82	8.82	11.45
128.1153	8.30	10.15	9.70	8.85	11.47
128.1598	8.25	10.30	9.70	8.88	11.31
128.2044	8.32	10.44	9.63	8.81	11.05
128.2490	8.30	10.57	9.62	8.82	10.89
128.2935	8.22	10.42	9.59	8.73	10.72
128.3381	8.16	10.18	9.53	8.61	10.55
128.3827	8.36	10.11	9.43	8.60	10.35
128.4272	8.34	10.03	9.33	8.52	10.06
128.4718	8.36	10.11	9.25	8.50	9.98
128.5163	8.19	10.08	9.27	8.57	9.95
128.5609	8.09	10.04	9.25	8.61	9.91
128.6055	7.98	10.11	9.20	8.63	9.67
128.6500	8.08	9.97	9.33	8.60	9.41
128.6946	8.11	9.97	9.32	8.55	9.29
128.7392	8.06	9.87	9.34	8.62	9.29
128.7837	8.06	9.82	9.22	8.60	9.24
128.8283	8.06	9.86	9.08	8.47	9.15
128.8728	8.09	9.88	9.15	8.51	8.91
128.9174	8.18	9.97	9.11	8.65	8.82
128.9620	8.23	10.11	9.06	8.66	8.75
129.0065	8.30	10.20	9.02	8.75	8.65
129.0511	8.34	10.07	8.89	8.74	8.20
129.0956	8.44	10.00	8.85	8.84	7.97
129.1402	8.47	9.87	8.89	8.95	7.78
129.1848	8.45	9.89	8.82	9.17	7.66
129.2293	8.44	9.91	8.71	9.41	7.51
129.2739	8.44	9.87	8.74	9.60	7.43
129.3185	8.50	9.84	8.64	9.61	7.41
129.3630	8.49	9.68	8.57	9.65	7.20
129.4076	8.52	9.44	8.55	9.80	7.04
129.4521	8.53	9.38	8.49	10.12	6.92
129.4967	8.45	9.50	8.34	10.33	6.87
129.5413	8.41	9.62	8.38	10.42	6.71
129.5858	8.44	9.57	8.52	10.44	6.58
129.6304	8.49	9.54	8.69	10.79	6.50
129.6750	8.44	9.59	8.88	11.04	6.43
129.7195	8.48	9.57	8.95	11.17	6.38
129.7641	8.57	9.56	9.10	11.31	6.23
129.8086	8.61	9.54	9.26	11.41	6.19
129.8532	8.56	9.68	9.14	11.57	6.10
129.8978	8.50	9.62	8.95	11.79	6.10
129.9423	8.53	9.49	8.88	11.94	6.15
129.9869	8.80	9.41	8.87	12.08	6.21
130.0314	8.83	9.46	8.83	12.03	6.33
130.0760	8.66	9.53	8.89	11.87	6.49
130.1206	8.46	9.53	8.97	11.80	6.74
130.1651	8.50	9.50	8.96	11.71	6.93
130.2097	8.62	9.49	9.04	11.45	7.04
130.2543	8.70	9.51	9.13	11.30	7.18
130.2988	8.75	9.69	9.11	11.25	7.32
130.3434	8.76	9.52	9.16	11.21	7.46

130.3879	8.80	9.42	9.18	11.10	7.70
130.4325	8.93	9.19	9.10	10.92	7.79
130.4771	8.99	9.13	9.10	10.76	7.97
130.5216	9.04	9.12	9.14	10.73	8.03
130.5662	8.91	8.95	9.21	10.53	8.27
130.6108	8.69	8.93	9.19	10.17	8.59
130.6553	8.63	8.94	9.10	9.74	8.86
130.6999	8.65	9.20	9.11	9.34	9.06
130.7444	8.63	9.29	9.10	9.16	9.28
130.7890	8.56	9.33	9.16	9.08	9.84
130.8336	8.59	9.60	9.31	8.96	10.22
130.8781	8.74	9.62	9.45	8.73	10.57
130.9227	8.81	9.63	9.54	8.54	10.80
130.9672	8.72	9.50	9.50	8.41	11.10
131.0118	8.71	9.38	9.48	8.33	11.34
131.0564	8.79	9.53	9.59	8.20	11.54
131.1009	8.93	9.44	9.60	8.02	11.63
131.1455	8.91	9.19	9.62	7.81	11.74
131.1901	8.86	8.93	9.60	7.65	11.85
131.2346	8.80	8.89	9.57	7.65	11.87
131.2792	8.79	8.68	9.61	7.63	11.94
131.3237	8.90	8.53	9.57	7.59	12.02
131.3683	9.06	8.57	9.52	7.53	12.10
131.4129	9.19	8.62	9.40	7.65	12.07
131.4574	9.15	8.41	9.49	7.77	12.13
131.5020	9.12	8.36	9.61	7.81	12.18
131.5465	9.12	8.41	9.68	7.93	12.16
131.5911	9.09	8.46	9.73	8.06	12.13
131.6357	9.16	8.62	9.63	8.36	12.22
131.6802	9.13	8.76	9.53	8.47	12.22
131.7248	9.03	8.79	9.55	8.60	12.11
131.7694	9.01	8.75	9.45	8.74	11.81
131.8139	9.00	8.68	9.40	8.82	11.58
131.8585	8.99	8.68	9.47	9.05	11.36
131.9030	8.91	8.94	9.43	9.30	11.11
131.9476	8.88	9.22	9.59	9.55	10.83
131.9922	8.88	9.27	9.60	9.76	10.54
132.0367	8.92	9.26	9.56	9.95	10.16
132.0813	9.01	9.33	9.60	10.00	9.71
132.1259	9.06	9.52	9.54	10.02	9.35
132.1704	9.11	9.56	9.49	10.19	9.06
132.2150	9.13	9.39	9.35	10.35	8.73
132.2595	9.23	9.22	9.27	10.47	8.42
132.3041	9.33	9.25	9.31	10.59	8.14
132.3487	9.38	9.21	9.29	10.80	7.71
132.3932	9.44	9.11	9.25	11.00	7.36
132.4378	9.51	9.00	9.12	11.10	7.01
132.4823	9.51	9.01	8.97	11.20	6.75
132.5269	9.57	9.10	8.83	11.38	6.63
132.5715	9.70	8.96	8.63	11.41	6.46
132.6160	9.68	8.92	8.52	11.49	6.30
132.6606	9.48	8.94	8.56	11.67	6.17
132.7052	9.32	9.13	8.51	11.77	6.08
132.7497	9.27	9.24	8.61	11.88	6.04
132.7943	9.20	9.31	8.67	12.08	6.07
132.8388	9.09	9.46	8.68	12.36	6.05
132.8834	9.07	9.42	8.76	12.57	6.02
132.9280	9.15	9.45	8.74	12.70	6.03
132.9725	9.15	9.36	8.72	12.80	6.02
133.0171	9.07	9.36	8.72	12.87	6.17

133.0617	9.10	9.57	8.72	12.88	6.39
133.1062	9.02	9.60	8.81	12.86	6.59
133.1508	8.96	9.54	8.79	12.80	6.68
133.1953	8.98	9.44	8.79	12.59	6.83
133.2399	8.96	9.49	8.78	12.46	6.98
133.2845	8.84	9.57	8.68	12.27	7.01
133.3290	8.75	9.40	8.50	12.03	7.04
133.3736	8.89	9.22	8.48	11.78	7.16
133.4181	8.96	9.18	8.39	11.59	7.35
133.4627	9.09	9.08	8.26	11.47	7.57
133.5073	9.06	9.04	8.15	11.34	7.82
133.5518	9.08	9.05	8.22	11.13	8.19
133.5964	9.11	8.90	8.28	10.93	8.42
133.6410	9.05	8.76	8.11	10.62	8.68
133.6855	8.99	8.81	8.12	10.44	8.97
133.7301	9.01	8.80	8.16	10.21	9.11
133.7746	9.11	8.89	8.25	10.01	9.15
133.8192	9.15	9.04	8.26	9.69	9.24
133.8638	9.11	8.95	8.24	9.37	9.44
133.9083	8.99	8.80	8.29	9.04	9.66
133.9529	8.93	8.81	8.30	8.86	9.98
133.9975	8.88	8.98	8.26	8.77	10.29
134.0420	8.89	9.10	8.20	8.57	10.58
134.0866	8.91	9.22	8.22	8.39	10.84
134.1311	8.87	9.33	8.21	8.24	11.03
134.1757	8.80	9.47	8.14	8.16	11.22
134.2203	8.86	9.56	8.29	8.06	11.31
134.2648	8.89	9.59	8.36	8.00	11.32
134.3094	8.92	9.37	8.51	7.93	11.44
134.3539	8.83	9.34	8.52	8.06	11.64
134.3985	8.78	9.33	8.34	8.11	11.89
134.4431	8.57	9.26	8.33	8.00	12.14
134.4876	8.56	9.16	8.44	7.87	12.27
134.5322	8.58	9.13	8.49	7.82	12.40
134.5768	8.68	9.29	8.60	7.81	12.53
134.6213	8.67	9.50	8.71	7.80	12.64
134.6659	8.71	9.68	8.79	7.87	12.68
134.7104	8.76	9.84	8.84	7.99	12.70
134.7550	8.78	9.81	8.71	8.08	12.50
134.7996	8.79	9.88	8.74	8.17	12.29
134.8441	8.73	9.95	8.84	8.26	12.16
134.8887	8.83	9.96	8.90	8.32	12.08
134.9332	8.89	9.99	9.06	8.34	11.99
134.9778	8.98	9.92	9.08	8.34	11.78
135.0224	8.91	9.73	9.23	8.35	11.51
135.0669	8.95	9.80	9.46	8.44	11.21
135.1115	9.00	9.67	9.56	8.60	11.18
135.1561	9.12	9.67	9.69	8.77	11.11
135.2006	9.29	9.77	9.66	8.90	10.83
135.2452	9.45	9.78	9.61	9.00	10.49
135.2897	9.50	9.66	9.52	9.23	10.14
135.3343	9.46	9.50	9.44	9.42	9.94
135.3789	9.39	9.49	9.34	9.49	9.78
135.4234	9.41	9.52	9.35	9.60	9.48
135.4680	9.28	9.43	9.22	9.62	9.18
135.5126	9.15	9.05	9.10	9.84	8.99
135.5571	8.92	8.88	9.06	9.92	8.85
135.6017	8.80	9.03	8.92	10.19	8.52
135.6462	8.72	9.12	8.74	10.53	8.15
135.6908	8.77	9.15	8.58	10.82	7.98

135.7354	8.87	8.96	8.59	10.98	7.77
135.7799	8.85	9.01	8.57	11.21	7.65
135.8245	8.90	9.23	8.70	11.44	7.57
135.8690	8.94	9.30	8.76	11.55	7.48
135.9136	8.89	9.44	8.65	11.54	7.33
135.9582	8.74	9.52	8.70	11.53	7.13
136.0027	8.59	9.60	8.75	11.46	6.94
136.0473	8.54	9.54	8.81	11.50	6.74
136.0919	8.52	9.55	8.85	11.47	6.53
136.1364	8.63	9.61	8.91	11.45	6.36
136.1810	8.80	9.64	8.99	11.50	6.26
136.2255	8.78	9.64	9.11	11.51	6.32
136.2701	8.62	9.39	9.18	11.70	6.23
136.3147	8.53	9.29	9.19	11.76	6.37
136.3592	8.53	9.27	9.32	11.71	6.52
136.4038	8.59	9.36	9.30	11.64	6.82
136.4484	8.56	9.42	9.34	11.52	7.08
136.4929	8.46	9.55	9.32	11.30	7.28
136.5375	8.40	9.62	9.48	11.20	7.46
136.5820	8.43	9.59	9.41	11.01	7.80
136.6266	8.47	9.52	9.30	10.78	7.92
136.6712	8.46	9.50	9.21	10.63	8.08
136.7157	8.45	9.67	8.97	10.50	8.37
136.7603	8.39	9.84	9.01	10.30	8.78
136.8048	8.44	9.89	8.99	10.16	9.04
136.8494	8.47	9.90	9.00	9.95	9.32
136.8940	8.48	9.81	9.22	9.80	9.51
136.9385	8.43	9.96	9.47	9.73	9.78
136.9831	8.41	9.89	9.69	9.58	9.99
137.0277	8.49	9.72	9.81	9.35	10.21
137.0722	8.62	9.75	9.85	9.07	10.38
137.1168	8.62	9.49	9.76	8.73	10.50
137.1613	8.48	9.32	9.75	8.44	10.63
137.2059	8.51	9.30	9.82	8.12	10.83
137.2505	8.60	9.42	9.90	7.87	11.02
137.2950	8.69	9.58	9.94	7.60	11.09
137.3396	8.83	9.38	10.01	7.43	11.13
137.3842	8.90	9.20	10.14	7.31	11.07
137.4287	8.98	9.09	10.22	7.19	11.05
137.4733	9.13	9.06	10.32	7.13	11.11
137.5178	9.23	9.10	10.34	7.10	11.14
137.5624	9.23	8.98	10.31	7.14	11.19
137.6070	9.08	8.89	10.37	7.21	11.24
137.6515	8.93	8.88	10.54	7.28	11.08
137.6961	8.83	9.19	10.63	7.31	10.97
137.7406	8.67	9.50	10.57	7.40	10.98
137.7852	8.65	9.65	10.49	7.51	10.97
137.8298	8.62	9.78	10.39	7.74	10.95
137.8743	8.64	9.93	10.31	7.89	10.85
137.9189	8.63	10.00	10.26	7.99	10.88
137.9635	8.68	10.04	10.11	8.17	10.88
138.0080	8.65	9.96	10.02	8.41	10.81
138.0526	8.61	10.05	10.14	8.64	10.61
138.0971	8.60	10.14	10.32	8.79	10.47
138.1417	8.59	10.06	10.22	8.89	10.26
138.1863	8.62	9.82	10.11	9.00	9.96
138.2308	8.69	9.63	10.24	9.04	9.58
138.2754	8.57	9.55	10.40	9.19	9.27
138.3199	8.46	9.39	10.51	9.51	9.02
138.3645	8.57	9.33	10.53	9.84	8.80

138.4091	8.63	9.25	10.43	9.98	8.64
138.4536	8.63	9.28	10.33	10.07	8.54
138.4982	8.71	9.30	10.29	10.22	8.45
138.5428	8.81	9.24	10.28	10.29	8.31
138.5873	8.88	9.22	10.29	10.39	8.13
138.6319	8.83	9.31	10.09	10.52	7.99
138.6764	8.83	9.11	9.92	10.54	7.87
138.7210	8.88	8.98	9.84	10.54	7.74
138.7656	8.78	8.85	9.82	10.60	7.64
138.8101	8.77	8.80	9.83	10.54	7.51
138.8547	8.92	8.74	9.73	10.53	7.58
138.8993	9.06	8.78	9.65	10.62	7.59
138.9438	9.03	9.06	9.66	10.73	7.44
138.9884	8.95	9.04	9.68	10.77	7.44
139.0329	8.91	8.95	9.59	10.87	7.34
139.0775	9.02	9.06	9.55	10.97	7.37
139.1221	9.08	9.04	9.48	10.97	7.34
139.1666	9.08	9.07	9.44	10.94	7.41
139.2112	8.94	8.99	9.51	10.98	7.50
139.2557	8.83	9.05	9.43	11.16	7.54
139.3003	8.80	9.23	9.53	11.23	7.51
139.3449	8.76	9.26	9.57	11.13	7.57
139.3894	8.71	9.17	9.61	11.14	7.49
139.4340	8.70	9.13	9.58	11.16	7.53
139.4786	8.81	9.14	9.46	11.11	7.58
139.5231	8.86	9.00	9.44	11.13	7.56
139.5677	8.88	8.98	9.48	11.09	7.51
139.6122	8.81	9.25	9.50	11.14	7.45
139.6568	8.68	9.36	9.47	11.12	7.53
139.7014	8.70	9.35	9.49	11.00	7.59
139.7459	8.67	9.31	9.52	10.97	7.67
139.7905	8.71	9.40	9.53	10.95	7.79
139.8351	8.72	9.63	9.37	10.88	7.83
139.8796	8.60	9.52	9.22	10.83	7.68
139.9242	8.52	9.45	9.17	10.62	7.68
139.9687	8.50	9.35	9.09	10.43	7.77
140.0133	8.39	9.44	9.08	10.45	7.82
140.0579	8.41	9.25	9.21	10.42	7.86
140.1024	8.37	9.13	9.48	10.35	7.96
140.1470	8.35	9.10	9.55	10.22	7.99
140.1915	8.34	9.10	9.56	10.08	8.06
140.2361	8.28	9.03	9.72	9.96	8.21
140.2807	8.43	8.99	9.84	9.77	8.32
140.3252	8.53	9.00	9.94	9.63	8.56
140.3698	8.57	8.92	9.99	9.49	8.69
140.4144	8.55	8.83	10.02	9.33	8.81
140.4589	8.44	8.81	10.05	9.06	9.04
140.5035	8.31	8.94	10.02	8.96	9.22
140.5480	8.22	9.01	9.96	8.83	9.58
140.5926	8.24	8.95	9.86	8.70	9.89
140.6372	8.30	8.87	9.74	8.61	10.11
140.6817	8.30	8.92	9.78	8.56	10.29
140.7263	8.29	9.02	9.85	8.50	10.60
140.7708	8.26	8.97	9.89	8.47	10.95
140.8154	8.24	9.11	10.01	8.44	11.18
140.8600	8.37	9.10	10.03	8.34	11.22
140.9045	8.45	9.06	9.90	8.20	11.31
140.9491	8.55	9.07	9.72	7.98	11.32
140.9937	8.54	9.04	9.66	7.84	11.46
141.0382	8.59	9.04	9.62	7.76	11.61

141.0828	8.77	9.17	9.46	7.63	11.55
141.1273	8.85	9.06	9.36	7.66	11.52
141.1719	8.98	9.12	9.29	7.71	11.54
141.2165	9.15	9.29	9.32	7.75	11.48
141.2610	9.24	9.40	9.40	7.84	11.54
141.3056	9.28	9.56	9.33	7.85	11.62
141.3502	9.31	9.51	9.32	7.91	11.48
141.3947	9.27	9.47	9.25	8.05	11.27
141.4393	9.12	9.53	9.10	8.24	11.13
141.4838	8.90	9.69	8.97	8.43	11.03
141.5284	8.88	9.74	8.91	8.59	10.90
141.5730	8.91	9.84	8.84	8.78	10.79
141.6175	8.90	9.96	8.80	9.09	10.54
141.6621	8.91	9.98	8.62	9.27	10.34
141.7066	8.85	10.12	8.44	9.40	10.17
141.7512	8.93	10.25	8.29	9.64	10.08
141.7958	9.07	10.36	8.10	9.80	9.97
141.8403	9.03	10.43	8.02	9.94	9.72
141.8849	9.00	10.43	7.88	10.11	9.38
141.9295	8.90	10.37	7.87	10.36	9.17
141.9740	8.92	10.17	7.83	10.51	8.92
142.0186	8.97	9.92	7.77	10.61	8.60
142.0631	9.12	9.77	7.71	10.75	8.38
142.1077	9.23	9.54	7.56	10.91	8.13
142.1523	9.25	9.41	7.45	11.02	7.89
142.1968	9.29	9.27	7.33	11.17	7.66
142.2414	9.27	9.11	7.27	11.23	7.31
142.2860	9.29	8.94	7.36	11.32	7.18
142.3305	9.26	8.87	7.60	11.43	7.05
142.3751	9.30	9.03	7.67	11.58	7.01
142.4196	9.24	8.96	7.63	11.68	6.84
142.4642	9.28	8.88	7.59	11.81	6.78
142.5088	9.28	8.66	7.58	11.93	6.78
142.5533	9.31	8.53	7.75	12.03	6.69
142.5979	9.20	8.84	7.80	12.21	6.78
142.6424	9.11	9.01	7.87	12.35	6.83
142.6870	9.01	9.02	7.89	12.43	6.89
142.7316	9.01	8.97	7.90	12.46	6.97
142.7761	9.00	8.96	8.00	12.41	7.04
142.8207	8.95	8.93	8.04	12.40	7.15
142.8653	8.78	9.03	7.98	12.46	7.14
142.9098	8.77	9.17	7.81	12.47	7.08
142.9544	8.86	9.25	7.89	12.37	7.09
142.9989	9.10	9.21	8.01	12.32	7.23
143.0435	9.08	9.24	8.14	12.31	7.32
143.0881	9.07	9.35	8.39	12.18	7.45
143.1326	9.03	9.35	8.48	12.00	7.61
143.1772	9.03	9.25	8.56	11.81	7.81
143.2218	9.17	9.18	8.72	11.60	7.96
143.2663	9.10	9.11	8.79	11.50	8.11
143.3109	8.94	9.19	8.84	11.41	8.27
143.3554	8.87	9.21	8.97	11.28	8.49
143.4000	8.94	9.30	9.20	10.98	8.60
143.4446	8.96	9.39	9.36	10.67	8.75
143.4891	9.00	9.42	9.45	10.49	8.90
143.5337	8.94	9.34	9.53	10.42	9.12
143.5782	9.06	9.28	9.58	10.09	9.46
143.6228	9.11	9.32	9.61	9.83	9.75
143.6674	9.14	9.36	9.72	9.58	10.03
143.7119	9.11	9.34	9.84	9.38	10.26

143.7565	9.06	9.35	9.99	9.14	10.40
143.8011	9.04	9.39	10.24	8.92	10.50
143.8456	9.15	9.54	10.35	8.64	10.63
143.8902	9.23	9.43	10.47	8.46	10.69
143.9347	9.19	9.55	10.38	8.32	10.74
143.9793	9.13	9.75	10.29	8.25	10.93
144.0239	9.11	9.72	10.33	8.21	11.09
144.0684	9.14	9.58	10.38	8.04	11.27
144.1130	9.11	9.42	10.27	7.95	11.42
144.1575	9.09	9.34	10.19	7.93	11.60
144.2021	9.16	9.31	10.23	7.91	11.81
144.2467	9.28	9.29	10.11	7.91	11.77
144.2912	9.22	9.00	10.05	7.92	11.76
144.3358	9.17	8.81	9.91	7.96	11.81
144.3804	9.08	8.69	9.78	8.06	11.86
144.4249	9.06	8.57	9.67	8.15	11.86
144.4695	8.99	8.54	9.66	8.20	11.98
144.5140	8.99	8.55	9.68	8.36	12.13
144.5586	8.99	8.47	9.76	8.40	12.14
144.6032	8.94	8.33	9.82	8.45	12.10
144.6477	8.81	8.30	9.76	8.56	12.03
144.6923	8.71	8.29	9.65	8.75	11.92
144.7369	8.65	8.43	9.47	9.06	11.76
144.7814	8.74	8.36	9.40	9.33	11.65
144.8260	8.84	8.29	9.43	9.52	11.41
144.8705	8.90	8.18	9.18	9.55	11.16
144.9151	8.95	8.12	9.11	9.55	10.77
144.9597	8.99	8.12	9.12	9.59	10.48
145.0042	8.95	8.10	9.23	9.62	10.18
145.0488	9.03	8.10	9.25	9.73	10.04
145.0933	9.03	8.18	9.20	9.85	9.92
145.1379	8.93	8.24	9.07	10.06	9.74
145.1825	8.94	8.27	8.93	10.16	9.35
145.2270	9.01	8.28	8.88	10.19	8.94
145.2716	9.11	8.36	8.83	10.28	8.74
145.3162	9.28	8.49	8.84	10.50	8.55
145.3607	9.32	8.50	8.81	10.72	8.35
145.4053	9.25	8.57	8.86	10.93	8.10
145.4498	9.15	8.87	8.78	10.98	7.87
145.4944	9.06	9.19	8.82	11.02	7.66
145.5390	8.93	9.46	8.95	11.03	7.62
145.5835	8.89	9.50	8.97	11.11	7.57
145.6281	8.87	9.63	8.99	11.26	7.37
145.6727	9.07	9.69	8.97	11.39	7.25
145.7172	9.29	9.65	9.13	11.43	6.94
145.7618	9.26	9.62	9.23	11.54	6.68
145.8063	9.14	9.51	9.23	11.63	6.60
145.8509	9.11	9.51	9.15	11.78	6.54
145.8955	9.13	9.32	9.14	11.77	6.42
145.9400	9.22	9.13	9.20	11.75	6.36
145.9846	9.20	9.09	9.04	11.68	6.44
146.0291	9.07	9.23	9.01	11.62	6.51
146.0737	8.97	9.35	9.10	11.38	6.53
146.1183	8.93	9.30	9.15	11.18	6.57
146.1628	9.08	9.38	9.08	11.04	6.69
146.2074	9.26	9.36	9.13	11.05	6.94
146.2520	9.28	9.29	9.02	11.05	7.06
146.2965	9.29	9.29	9.07	11.03	7.39
146.3411	9.22	9.20	9.15	10.82	7.75
146.3856	9.12	9.21	9.11	10.63	7.77

146.4302	8.91	8.99	9.15	10.54	7.93
146.4748	8.75	9.08	9.17	10.40	8.14
146.5193	8.63	9.05	9.20	10.26	8.36
146.5639	8.54	8.98	9.30	10.05	8.65
146.6085	8.39	9.06	9.36	9.72	8.85
146.6530	8.29	9.24	9.39	9.50	9.11
146.6976	8.28	9.35	9.37	9.45	9.37
146.7421	8.23	9.26	9.39	9.40	9.54
146.7867	8.12	9.12	9.54	9.20	9.79
146.8313	8.21	9.23	9.74	8.87	10.01
146.8758	8.24	9.34	9.88	8.55	10.22
146.9204	8.32	9.34	9.90	8.29	10.45
146.9649	8.45	9.23	9.95	7.91	10.64
147.0095	8.42	9.12	10.06	7.53	10.83
147.0541	8.45	9.04	10.12	7.24	10.84
147.0986	8.36	8.90	10.08	7.03	10.91
147.1432	8.27	8.78	10.12	6.90	10.92
147.1878	8.26	8.72	10.24	6.75	11.12
147.2323	8.36	8.86	10.35	6.66	11.06
147.2769	8.41	8.95	10.35	6.61	10.89
147.3214	8.36	8.95	10.37	6.45	10.89
147.3660	8.21	9.00	10.39	6.38	11.11
147.4106	8.18	9.20	10.35	6.29	11.23
147.4551	8.25	9.42	10.18	6.32	11.38
147.4997	8.31	9.63	10.20	6.32	11.55
147.5442	8.35	9.62	10.14	6.36	11.61
147.5888	8.34	9.59	10.13	6.50	11.72
147.6334	8.36	9.65	10.03	6.56	11.75
147.6779	8.35	9.82	9.97	6.60	11.63
147.7225	8.34	9.91	9.97	6.70	11.48
147.7671	8.25	9.99	9.97	7.05	11.17
147.8116	8.22	10.13	9.95	7.44	10.92
147.8562	8.05	10.24	9.92	7.73	10.66
147.9007	7.96	10.31	9.91	7.97	10.45
147.9453	7.88	10.35	9.95	8.22	10.26
147.9899	7.91	10.27	9.92	8.58	10.00
148.0344	7.89	10.36	9.87	9.08	9.91
148.0790	8.00	10.33	9.90	9.43	9.83
148.1236	8.18	10.16	9.92	9.71	9.60
148.1681	8.31	10.09	9.78	9.95	9.40
148.2127	8.34	10.06	9.57	10.14	9.20
148.2572	8.32	9.90	9.59	10.35	9.03
148.3018	8.45	9.73	9.54	10.55	8.86
148.3464	8.64	9.63	9.63	10.84	8.61
148.3909	8.66	9.62	9.61	11.00	8.51
148.4355	8.71	9.65	9.56	11.15	8.35
148.4800	8.66	9.73	9.61	11.34	8.04
148.5246	8.71	9.88	9.64	11.58	7.82
148.5692	8.85	9.86	9.62	11.74	7.65
148.6137	8.90	9.77	9.54	12.05	7.49
148.6583	8.88	9.46	9.30	12.27	7.28
148.7029	8.83	9.53	9.30	12.43	7.20
148.7474	8.86	9.51	9.44	12.50	7.09
148.7920	8.83	9.56	9.57	12.53	7.11
148.8365	8.95	9.39	9.65	12.50	7.07
148.8811	9.14	9.24	9.65	12.41	7.02
148.9257	9.33	9.38	9.60	12.17	7.14
148.9702	9.40	9.51	9.57	12.09	7.22
149.0148	9.45	9.56	9.57	12.01	7.12
149.0594	9.45	9.63	9.61	11.97	7.12

149.1039	9.39	9.74	9.62	11.91	7.10
149.1485	9.45	9.78	9.52	11.94	6.90
149.1930	9.42	9.81	9.50	11.85	6.93
149.2376	9.35	9.85	9.57	11.68	6.94
149.2822	9.17	9.84	9.50	11.54	6.94
149.3267	9.13	9.96	9.45	11.36	7.03
149.3713	9.03	10.15	9.37	11.26	7.09
149.4158	8.97	10.22	9.28	11.11	7.12
149.4604	8.88	10.16	9.16	10.90	7.33
149.5050	9.02	10.22	9.18	10.81	7.51
149.5495	9.11	10.39	9.20	10.61	7.61
149.5941	9.20	10.49	9.15	10.40	7.74
149.6387	9.13	10.62	9.17	10.21	7.98
149.6832	9.22	10.57	8.99	9.99	8.17
149.7278	9.22	10.35	8.93	9.87	8.25
149.7723	9.15	10.29	8.86	9.74	8.49
149.8169	9.13	10.17	8.83	9.49	8.77
149.8615	9.08	10.08	8.75	9.30	8.93
149.9060	8.99	9.98	8.75	9.20	8.97
149.9506	8.86	10.01	8.84	9.18	9.12
149.9952	8.66	9.98	8.86	9.10	9.34
150.0397	8.60	9.98	8.91	9.07	9.36
150.0843	8.49	10.10	8.93	8.94	9.49
150.1288	8.39	10.13	8.89	8.89	9.61
150.1734	8.28	9.99	8.95	8.68	9.92
150.2180	8.25	9.84	9.11	8.57	10.16
150.2625	8.29	9.84	9.15	8.45	10.33
150.3071	8.31	9.91	9.30	8.32	10.63
150.3516	8.32	9.85	9.45	8.30	10.92
150.3962	8.33	9.91	9.47	8.30	11.04
150.4408	8.43	9.83	9.55	8.24	11.05
150.4853	8.47	9.79	9.45	8.16	11.12
150.5299	8.48	9.81	9.40	8.21	11.13
150.5745	8.42	9.96	9.57	8.14	11.17
150.6190	8.38	10.11	9.57	8.15	11.13
150.6636	8.43	10.17	9.46	8.13	11.18
150.7081	8.41	9.95	9.46	8.06	11.21
150.7527	8.29	9.68	9.44	8.04	11.13
150.7973	8.24	9.55	9.40	8.01	10.96
150.8418	8.20	9.63	9.42	7.99	10.83
150.8864	8.19	9.57	9.39	8.02	10.81
150.9309	8.26	9.49	9.34	8.11	10.75
150.9755	8.38	9.39	9.31	8.16	10.62
151.0201	8.43	9.23	9.38	8.24	10.60
151.0646	8.57	9.26	9.39	8.38	10.59
151.1092	8.62	9.12	9.42	8.55	10.58
151.1538	8.65	9.21	9.29	8.76	10.50
151.1983	8.72	9.36	9.24	8.94	10.28
151.2429	8.78	9.38	9.21	9.07	10.12
151.2874	8.79	9.27	9.24	9.13	9.90
151.3320	8.75	9.23	9.16	9.23	9.59
151.3766	8.75	9.26	9.08	9.33	9.31
151.4211	8.70	9.33	9.09	9.46	9.15
151.4657	8.67	9.29	9.00	9.63	9.11
151.5103	8.63	9.11	8.87	9.90	8.97
151.5548	8.71	9.01	8.57	10.02	8.89
151.5994	8.75	8.91	8.33	10.18	8.80
151.6439	8.83	8.97	8.07	10.40	8.67
151.6885	8.89	9.05	7.95	10.47	8.58
151.7331	8.99	9.10	7.92	10.61	8.43

151.7776	9.10	9.11	7.93	10.77	8.26
151.8222	9.16	9.02	8.06	10.91	7.99
151.8667	9.24	8.92	8.13	11.02	7.73
151.9113	9.33	8.76	8.10	11.08	7.60
151.9559	9.39	8.61	8.10	11.06	7.44
152.0004	9.37	8.50	8.00	11.07	7.24
152.0450	9.45	8.40	8.07	11.20	7.03
152.0896	9.54	8.35	8.17	11.37	6.90
152.1341	9.52	8.17	8.15	11.42	6.80
152.1787	9.62	8.17	8.17	11.44	6.71
152.2232	9.64	8.13	8.17	11.40	6.60
152.2678	9.61	8.04	8.25	11.41	6.58
152.3124	9.61	8.01	8.33	11.50	6.63
152.3569	9.58	8.13	8.36	11.59	6.83
152.4015	9.57	8.17	8.34	11.56	6.95
152.4461	9.48	8.19	8.30	11.54	7.09
152.4906	9.31	8.39	8.34	11.48	7.30
152.5352	9.21	8.52	8.38	11.44	7.38
152.5797	9.18	8.43	8.41	11.53	7.55
152.6243	9.14	8.38	8.35	11.70	7.66
152.6689	9.05	8.43	8.19	11.60	7.68
152.7134	8.98	8.55	8.16	11.55	7.74
152.7580	8.95	8.57	8.19	11.52	7.89
152.8025	8.88	8.67	8.27	11.32	8.09
152.8471	8.87	8.69	8.30	11.26	8.16
152.8917	8.84	8.74	8.18	11.24	8.24
152.9362	8.74	8.92	8.14	11.25	8.28
152.9808	8.69	8.90	8.16	11.21	8.46
153.0254	8.51	8.92	8.27	11.01	8.57
153.0699	8.53	9.05	8.34	10.85	8.63
153.1145	8.66	9.07	8.37	10.72	8.79
153.1590	8.72	9.02	8.45	10.58	9.03
153.2036	8.66	9.14	8.54	10.35	9.23
153.2482	8.64	9.34	8.74	10.09	9.54
153.2927	8.62	9.48	8.93	10.00	9.75
153.3373	8.55	9.45	9.16	9.88	10.02
153.3819	8.67	9.45	9.20	9.76	10.29
153.4264	8.84	9.50	9.28	9.64	10.44
153.4710	9.03	9.49	9.35	9.56	10.60
153.5155	9.07	9.57	9.35	9.42	10.64
153.5601	8.97	9.50	9.46	9.05	10.59
153.6047	8.98	9.52	9.51	8.83	10.56
153.6492	9.01	9.59	9.58	8.70	10.62
153.6938	9.03	9.63	9.66	8.48	10.74
153.7383	9.07	9.46	9.85	8.21	10.92
153.7829	9.13	9.21	9.95	8.10	11.33
153.8275	9.28	9.18	9.90	8.08	11.52
153.8720	9.42	9.11	9.91	8.15	11.64
153.9166	9.47	8.97	9.82	8.21	11.72
153.9612	9.50	8.78	9.75	8.26	11.65
154.0057	9.60	8.65	9.68	8.30	11.65
154.0503	9.62	8.59	9.71	8.17	11.67
154.0948	9.48	8.54	9.66	8.03	11.62
154.1394	9.25	8.34	9.64	8.09	11.55
154.1840	9.05	8.20	9.67	8.18	11.48
154.2285	8.94	8.31	9.75	8.22	11.38
154.2731	8.85	8.40	9.67	8.30	11.30
154.3176	8.89	8.45	9.59	8.52	11.37
154.3622	8.97	8.34	9.61	8.80	11.24
154.4068	9.06	8.39	9.51	9.14	11.03

154.4513	9.12	8.42	9.49	9.36	10.79
154.4959	9.14	8.57	9.37	9.54	10.55
154.5405	9.09	8.71	9.38	9.75	10.45
154.5850	9.04	8.67	9.36	9.89	10.39
154.6296	8.96	8.81	9.25	9.89	10.33
154.6741	8.90	9.07	9.16	9.85	10.12
154.7187	8.91	9.30	9.02	9.78	9.83
154.7633	8.96	9.29	8.78	9.89	9.50
154.8078	8.91	9.36	8.67	10.06	9.28
154.8524	8.84	9.45	8.57	10.34	9.02
154.8970	8.94	9.57	8.46	10.53	8.52
154.9415	9.10	9.90	8.53	10.73	8.22
154.9861	9.18	9.97	8.45	10.94	8.04
155.0306	9.21	9.83	8.35	11.15	7.89
155.0752	9.19	9.88	8.40	11.28	7.80
155.1198	9.12	9.83	8.44	11.36	7.65
155.1643	8.97	9.93	8.39	11.39	7.52
155.2089	8.87	9.95	8.32	11.34	7.39
155.2534	8.85	10.02	8.39	11.34	7.30
155.2980	8.89	10.05	8.47	11.49	7.27
155.3426	8.90	10.24	8.49	11.52	7.14
155.3871	8.90	10.31	8.40	11.44	7.18
155.4317	8.91	10.65	8.32	11.48	7.10
155.4763	8.94	10.88	8.38	11.55	7.06
155.5208	8.92	10.78	8.53	11.62	6.97
155.5654	8.97	10.66	8.71	11.59	7.02
155.6099	9.02	10.76	8.88	11.53	7.09
155.6545	9.00	10.70	8.91	11.43	7.08
155.6991	8.99	10.63	8.92	11.24	6.93
155.7436	8.98	10.47	8.99	11.04	6.88
155.7882	9.04	10.37	9.08	11.05	6.97
155.8328	9.14	10.28	9.00	11.08	7.06
155.8773	9.08	10.05	8.91	11.04	7.10
155.9219	9.05	9.88	8.90	10.88	7.24
155.9664	8.98	9.79	8.89	10.85	7.37
156.0110	9.00	9.79	8.92	10.84	7.60
156.0556	9.12	9.66	9.02	10.68	7.79
156.1001	9.20	9.57	8.98	10.51	8.14
156.1447	9.19	9.50	8.94	10.40	8.42
156.1892	9.18	9.50	8.98	10.26	8.77
156.2338	9.02	9.44	8.99	10.07	9.03
156.2784	8.80	9.36	8.99	9.92	9.29
156.3229	8.76	9.36	9.12	9.85	9.51
156.3675	8.77	9.32	9.29	9.76	9.61
156.4121	8.84	9.22	9.43	9.63	9.69
156.4566	8.82	9.08	9.45	9.55	10.03
156.5012	8.81	9.01	9.60	9.38	10.22
156.5457	8.85	9.27	9.79	9.24	10.49
156.5903	8.80	9.35	9.71	9.07	10.68
156.6349	8.64	9.33	9.76	9.05	10.91
156.6794	8.52	9.40	9.76	8.93	11.26
156.7240	8.59	9.40	9.86	8.84	11.44
156.7686	8.52	9.45	9.97	8.70	11.57
156.8131	8.50	9.47	10.13	8.44	11.55
156.8577	8.51	9.41	10.16	8.29	11.55
156.9022	8.53	9.13	10.14	8.13	11.55
156.9468	8.58	9.06	10.04	8.03	11.58
156.9914	8.59	9.03	9.97	7.82	11.69
157.0359	8.52	8.97	10.06	7.69	11.71
157.0805	8.48	9.09	10.11	7.57	11.78

157.1250	8.29	9.12	10.06	7.45	11.87
157.1696	8.37	9.05	10.04	7.31	11.82
157.2142	8.42	9.05	10.10	7.11	11.77
157.2587	8.47	9.03	10.07	7.10	11.71
157.3033	8.55	9.11	10.08	7.14	11.69
157.3479	8.49	9.25	10.16	7.13	11.55
157.3924	8.53	9.36	10.08	7.22	11.33
157.4370	8.42	9.31	10.09	7.25	11.14
157.4815	8.35	9.56	10.08	7.29	10.98
157.5261	8.21	9.68	10.18	7.32	10.79
157.5707	8.21	9.81	10.23	7.40	10.71
157.6152	8.30	9.83	10.27	7.49	10.62
157.6598	8.31	9.65	10.36	7.48	10.45
157.7043	8.32	9.55	10.31	7.58	10.27
157.7489	8.27	9.55	10.26	7.70	9.84
157.7935	8.14	9.50	10.17	7.96	9.62
157.8380	8.07	9.59	10.11	8.27	9.50
157.8826	8.04	9.72	10.01	8.48	9.35
157.9272	8.10	9.74	9.91	8.74	9.16
157.9717	8.00	9.71	9.71	8.89	9.00
158.0163	7.90	9.51	9.65	9.10	8.87
158.0608	7.86	9.45	9.60	9.33	8.75
158.1054	7.92	9.59	9.41	9.54	8.62
158.1500	7.87	9.56	9.31	9.81	8.40
158.1945	7.88	9.45	9.39	10.05	8.15
158.2391	7.80	9.42	9.51	10.33	7.87
158.2837	7.76	9.49	9.60	10.61	7.72
158.3282	7.86	9.62	9.65	10.81	7.58
158.3728	7.93	9.69	9.67	10.97	7.39
158.4173	7.96	9.55	9.62	11.18	7.10
158.4619	8.03	9.51	9.56	11.42	7.01
158.5065	8.10	9.45	9.58	11.57	6.84
158.5510	8.13	9.38	9.66	11.61	6.75
158.5956	8.28	9.33	9.77	11.61	6.68
158.6401	8.38	9.32	9.78	11.56	6.49
158.6847	8.37	9.24	9.76	11.54	6.30
158.7293	8.35	9.24	9.80	11.67	6.05
158.7738	8.55	9.17	9.80	11.73	5.83
158.8184	8.73	8.98	9.67	11.69	5.67
158.8630	8.83	9.02	9.59	11.70	5.55
158.9075	8.98	8.92	9.73	11.62	5.48
158.9521	9.10	8.78	9.82	11.52	5.52
158.9966	9.22	8.64	9.76	11.46	5.67
159.0412	9.38	8.55	9.77	11.43	5.85
159.0858	9.49	8.63	9.84	11.29	6.09
159.1303	9.53	8.48	9.69	11.33	6.26
159.1749	9.43	8.47	9.60	11.31	6.43
159.2195	9.46	8.53	9.56	11.10	6.54
159.2640	9.51	8.71	9.46	10.92	6.64
159.3086	9.61	8.68	9.43	10.84	6.92
159.3531	9.54	8.78	9.49	10.73	7.34
159.3977	9.44	9.09	9.48	10.51	7.84
159.4423	9.33	9.44	9.43	10.32	8.17
159.4868	9.22	9.61	9.54	10.11	8.47
159.5314	9.19	9.48	9.65	9.92	8.83
159.5759	9.23	9.41	9.80	9.71	9.07
159.6205	9.23	9.40	9.91	9.60	9.34
159.6651	9.30	9.34	9.91	9.46	9.59
159.7096	9.40	9.30	9.90	9.30	9.87
159.7542	9.32	9.21	9.97	9.18	10.16

159.7988	9.35	9.15	10.00	9.06	10.33
159.8433	9.36	9.28	10.12	9.00	10.73
159.8879	9.24	9.23	10.21	8.84	11.17
159.9324	9.14	9.28	10.12	8.64	11.49
159.9770	9.10	9.44	10.13	8.43	11.72
160.0216	8.99	9.38	10.25	8.23	11.85
160.0661	8.88	9.38	10.30	8.12	11.91
160.1107	8.75	9.40	10.15	8.10	11.95
160.1552	8.66	9.41	10.06	8.18	12.05
160.1998	8.53	9.48	10.00	8.22	12.11
160.2444	8.53	9.57	9.93	8.26	12.08
160.2889	8.45	9.50	9.93	8.22	12.17
160.3335	8.42	9.42	9.94	8.31	12.22
160.3781	8.50	9.36	9.92	8.35	12.23
160.4226	8.47	9.29	9.96	8.18	12.17
160.4672	8.47	9.24	10.04	8.05	11.98
160.5117	8.53	9.34	10.04	8.16	11.70
160.5563	8.50	9.44	10.11	8.25	11.49
160.6009	8.51	9.42	10.14	8.29	11.36
160.6454	8.53	9.40	10.00	8.37	11.18
160.6900	8.57	9.43	9.86	8.47	11.03
160.7346	8.60	9.41	9.83	8.57	10.82
160.7791	8.64	9.47	9.79	8.76	10.67
160.8237	8.62	9.45	9.71	8.89	10.30
160.8682	8.65	9.42	9.78	8.97	10.01
160.9128	8.73	9.37	9.65	9.14	9.76
160.9574	8.67	9.20	9.56	9.28	9.44
161.0019	8.64	9.09	9.53	9.47	9.18
161.0465	8.78	9.09	9.58	9.73	8.80
161.0910	8.84	9.15	9.53	9.85	8.52
161.1356	8.89	9.01	9.44	9.93	8.33
161.1802	8.94	8.87	9.32	10.04	8.23
161.2247	8.99	8.89	9.19	10.28	8.18
161.2693	9.09	9.10	9.08	10.48	8.08
161.3139	9.27	9.29	9.06	10.66	7.95
161.3584	9.30	9.18	9.13	10.78	7.86
161.4030	9.23	9.30	9.03	10.91	7.76
161.4475	9.12	9.43	9.09	11.17	7.78
161.4921	9.15	9.45	9.07	11.33	7.72
161.5367	9.21	9.33	9.13	11.53	7.68
161.5812	9.23	9.12	9.18	11.71	7.54
161.6258	9.22	9.17	9.05	11.86	7.47
161.6704	9.13	9.05	8.99	11.88	7.42
161.7149	9.17	9.06	9.02	11.96	7.29
161.7595	9.29	8.97	8.98	11.97	7.14
161.8040	9.38	8.88	8.83	11.89	7.22
161.8486	9.49	8.89	8.84	11.91	7.26
161.8932	9.42	8.86	8.80	11.85	7.21
161.9377	9.33	8.98	8.72	11.75	7.19
161.9823	9.36	9.02	8.70	11.62	7.38
162.0268	9.31	8.79	8.73	11.56	7.42
162.0714	9.31	8.69	8.74	11.55	7.53
162.1160	9.20	8.54	8.61	11.57	7.69
162.1605	9.20	8.62	8.56	11.57	7.86
162.2051	9.18	8.70	8.53	11.55	8.01
162.2497	9.30	8.65	8.46	11.56	8.05
162.2942	9.21	8.59	8.48	11.49	7.95
162.3388	9.10	8.55	8.45	11.38	8.00
162.3833	8.95	8.65	8.33	11.39	8.05
162.4279	8.87	8.83	8.23	11.23	8.05

162.4725	8.90	8.99	8.06	10.92	7.97
162.5170	8.92	8.94	8.05	10.73	8.06
162.5616	8.86	8.92	7.99	10.55	8.22
162.6062	8.90	8.92	7.87	10.48	8.50
162.6507	8.92	9.07	7.77	10.34	8.62
162.6953	8.94	9.11	7.83	10.19	8.66
162.7398	9.03	8.94	7.88	10.24	8.77
162.7844	8.92	8.86	7.83	10.30	8.91
162.8290	8.82	9.03	7.87	10.19	9.09
162.8735	8.73	9.13	7.86	10.15	9.28
162.9181	8.72	9.21	7.88	9.98	9.40
162.9626	8.73	9.24	7.84	9.85	9.55
163.0072	8.52	9.20	7.88	9.79	9.64
163.0518	8.28	9.11	7.84	9.76	9.78
163.0963	8.16	9.18	7.75	9.67	9.95
163.1409	8.17	9.38	7.68	9.60	10.16
163.1855	8.15	9.53	7.63	9.33	10.29
163.2300	8.18	9.57	7.73	9.25	10.52
163.2746	8.23	9.67	7.79	9.19	10.71
163.3191	8.21	9.77	7.87	9.00	10.97
163.3637	8.26	9.86	7.90	8.80	11.19
163.4083	8.26	9.98	7.83	8.64	11.41
163.4528	8.33	9.96	7.80	8.51	11.66
163.4974	8.38	9.89	7.74	8.45	11.74
163.5419	8.44	9.67	7.73	8.21	11.69
163.5865	8.60	9.56	7.80	7.90	11.78
163.6311	8.70	9.51	7.93	7.83	11.71
163.6756	8.75	9.45	7.96	7.86	11.50
163.7202	8.75	9.24	8.13	7.79	11.36
163.7648	8.96	9.28	8.33	7.85	11.25
163.8093	9.06	9.32	8.60	7.77	11.19
163.8539	9.20	9.34	8.73	7.72	11.10
163.8984	9.19	9.08	8.85	7.73	11.07
163.9430	9.23	9.05	8.95	7.75	10.97
163.9876	9.23	9.17	8.98	7.94	10.87
164.0321	9.23	9.26	9.09	8.04	10.68
164.0767	9.23	9.26	9.21	8.14	10.53
164.1213	9.17	9.10	9.29	8.41	10.41
164.1658	9.15	9.00	9.30	8.69	10.29
164.2104	9.30	9.05	9.30	8.90	10.22
164.2549	9.39	9.01	9.27	9.10	10.23
164.2995	9.45	9.14	9.26	9.38	10.14
164.3441	9.45	9.19	9.31	9.66	9.83
164.3886	9.37	9.20	9.33	9.91	9.67
164.4332	9.28	9.08	9.39	10.07	9.48
164.4777	9.32	9.19	9.40	10.25	9.27
164.5223	9.44	9.42	9.47	10.42	8.89
164.5669	9.42	9.58	9.48	10.69	8.57
164.6114	9.33	9.57	9.33	10.96	8.24
164.6560	9.28	9.36	9.24	11.17	7.98
164.7006	9.39	9.42	9.19	11.22	7.84
164.7451	9.46	9.51	9.20	11.39	7.67
164.7897	9.39	9.55	9.23	11.62	7.65
164.8342	9.25	9.40	9.26	11.85	7.71
164.8788	9.25	9.28	9.20	12.11	7.55
164.9234	9.26	9.21	9.19	12.20	7.38
164.9679	9.29	9.24	9.05	12.09	7.30
165.0125	9.24	9.34	8.96	12.12	7.29
165.0571	9.21	9.43	9.07	12.32	7.17
165.1016	9.22	9.50	9.10	12.44	7.04

165.1462	9.19	9.33	9.17	12.42	6.97
165.1907	9.16	9.24	9.14	12.35	6.90
165.2353	9.08	9.18	9.09	12.27	6.86
165.2799	8.95	9.27	9.15	12.22	6.85
165.3244	8.86	9.38	9.07	12.07	6.86
165.3690	8.85	9.34	9.14	11.85	6.77
165.4135	9.00	9.35	9.11	11.71	6.72
165.4581	9.11	9.31	9.13	11.68	6.94
165.5027	8.95	9.54	9.20	11.55	7.20
165.5472	8.82	9.66	9.28	11.45	7.34
165.5918	8.92	9.50	9.39	11.36	7.46
165.6364	9.07	9.53	9.46	11.12	7.74
165.6809	9.07	9.41	9.50	10.79	7.97
165.7255	9.03	9.29	9.59	10.56	8.39
165.7700	8.94	9.18	9.76	10.37	8.67
165.8146	8.88	9.03	9.81	10.12	8.77
165.8592	8.79	9.01	9.81	9.93	8.91
165.9037	8.71	8.92	9.83	9.75	9.14
165.9483	8.57	8.91	9.89	9.70	9.42
165.9929	8.55	8.92	9.93	9.66	9.65
166.0374	8.45	8.68	9.98	9.61	9.87
166.0820	8.54	8.64	10.12	9.46	10.04
166.1265	8.66	8.64	10.16	9.38	10.21
166.1711	8.70	8.71	10.21	9.34	10.42
166.2157	8.55	8.83	10.35	9.11	10.69
166.2602	8.52	8.84	10.47	8.95	10.96
166.3048	8.53	8.87	10.53	8.84	11.21
166.3493	8.62	8.98	10.50	8.71	11.30
166.3939	8.73	9.11	10.59	8.52	11.29
166.4385	8.67	9.20	10.61	8.37	11.21
166.4830	8.68	9.19	10.68	8.21	11.20
166.5276	8.79	9.29	10.65	8.08	11.23
166.5722	9.07	9.27	10.67	7.98	11.35
166.6167	9.16	9.36	10.61	8.05	11.32
166.6613	9.15	9.46	10.51	8.17	11.22
166.7058	9.05	9.49	10.37	8.18	11.18
166.7504	8.92	9.37	10.32	8.10	11.12
166.7950	8.93	9.23	10.34	7.98	11.01
166.8395	8.96	9.22	10.33	7.85	10.91
166.8841	8.92	9.29	10.37	7.90	10.89
166.9286	8.89	9.29	10.31	7.97	10.92
166.9732	8.79	9.13	10.35	7.91	10.90
167.0178	8.75	9.09	10.40	7.88	10.88
167.0623	8.75	9.26	10.35	7.94	10.93
167.1069	8.66	9.35	10.35	8.08	11.04
167.1515	8.67	9.31	10.26	8.20	11.01
167.1960	8.82	9.24	10.24	8.18	10.93
167.2406	8.80	9.24	10.20	8.08	10.78
167.2851	8.70	9.30	10.16	8.07	10.57
167.3297	8.59	9.16	10.20	8.15	10.37
167.3743	8.51	9.03	10.04	8.27	10.02
167.4188	8.47	9.09	9.83	8.38	9.79
167.4634	8.53	9.13	9.84	8.43	9.54
167.5080	8.63	9.14	9.81	8.38	9.18
167.5525	8.64	9.13	9.79	8.44	8.98
167.5971	8.68	9.20	9.89	8.59	8.84
167.6416	8.67	9.50	9.84	8.65	8.71
167.6862	8.79	9.73	9.83	8.66	8.49
167.7308	8.86	9.69	9.78	8.95	8.44
167.7753	8.79	9.71	9.68	9.17	8.45

167.8199	8.63	9.75	9.65	9.33	8.36
167.8644	8.62	9.83	9.51	9.55	8.19
167.9090	8.56	9.64	9.27	9.77	7.97
167.9536	8.45	9.46	9.12	9.97	7.68
167.9981	8.21	9.53	8.95	10.12	7.48
168.0427	8.06	9.64	8.80	10.25	7.27
168.0873	7.96	9.65	8.69	10.28	7.02
168.1318	7.82	9.56	8.50	10.45	6.94
168.1764	7.75	9.68	8.37	10.61	6.91
168.2209	7.68	9.90	8.29	10.79	6.80
168.2655	7.78	9.92	8.28	11.04	6.70
168.3101	7.86	9.95	8.31	11.22	6.74
168.3546	8.01	10.03	8.39	11.12	6.66
168.3992	8.23	10.13	8.36	11.09	6.48
168.4438	8.27	10.11	8.30	11.09	6.35
168.4883	8.26	10.09	8.36	11.03	6.32
168.5329	8.08	10.03	8.26	10.95	6.28
168.5774	7.98	9.97	8.25	10.95	6.25
168.6220	7.89	9.94	8.20	10.81	6.20
168.6666	7.97	9.75	8.20	10.74	6.23
168.7111	7.99	9.57	8.39	10.74	6.35
168.7557	8.02	9.43	8.43	10.80	6.46
168.8002	8.22	9.38	8.53	10.76	6.61
168.8448	8.38	9.35	8.67	10.70	6.52
168.8894	8.34	9.33	8.73	10.66	6.63
168.9339	8.33	9.47	8.71	10.60	6.93
168.9785	8.37	9.54	8.71	10.42	7.24
169.0231	8.35	9.59	8.82	10.28	7.57
169.0676	8.43	9.63	9.04	9.99	7.95
169.1122	8.47	9.57	9.09	9.87	8.33
169.1567	8.38	9.55	9.18	9.78	8.61
169.2013	8.42	9.41	9.38	9.75	8.91
169.2459	8.51	9.26	9.49	9.60	9.10
169.2904	8.69	9.33	9.57	9.56	9.30
169.3350	8.76	9.46	9.60	9.56	9.56
169.3796	8.78	9.62	9.72	9.56	9.76
169.4241	8.72	9.78	10.07	9.49	10.01
169.4687	8.63	9.96	10.17	9.43	10.37
169.5132	8.57	10.06	10.26	9.22	10.57
169.5578	8.73	10.05	10.43	8.87	10.71
169.6024	8.82	9.95	10.53	8.61	10.87
169.6469	8.88	10.02	10.50	8.44	10.96
169.6915	8.99	10.18	10.43	8.16	11.14
169.7360	9.11	10.07	10.50	7.93	11.37
169.7806	9.20	9.87	10.39	7.82	11.55
169.8252	9.28	9.85	10.34	7.89	11.82
169.8697	9.34	10.00	10.34	8.03	12.02
169.9143	9.38	9.96	10.22	8.09	12.10
169.9589	9.40	9.73	10.11	7.97	12.10
170.0034	9.45	9.51	10.08	7.85	12.18
170.0480	9.27	9.52	10.01	7.78	12.23
170.0925	9.09	9.63	10.01	7.88	12.16
170.1371	8.97	9.64	10.00	8.05	11.98
170.1817	8.98	9.77	9.92	8.20	11.94
170.2262	8.93	10.01	9.79	8.19	11.76
170.2708	8.75	9.84	9.72	8.26	11.62
170.3153	8.68	9.71	9.73	8.36	11.39
170.3599	8.75	9.78	9.69	8.54	11.23
170.4045	8.95	9.89	9.54	8.76	11.10
170.4490	9.10	9.86	9.40	8.74	11.03

170.4936	9.11	9.91	9.32	8.80	10.74
170.5382	8.98	9.88	9.41	9.03	10.51
170.5827	8.85	9.87	9.36	9.11	10.30
170.6273	8.84	9.96	9.34	9.22	10.18
170.6718	8.95	10.09	9.29	9.42	10.00
170.7164	9.05	10.24	9.23	9.65	9.73
170.7610	8.91	10.17	9.26	9.84	9.29
170.8055	8.79	10.06	9.19	9.98	8.97
170.8501	8.67	9.98	9.07	10.03	8.75
170.8947	8.83	9.88	8.99	10.14	8.47
170.9392	8.96	9.95	8.89	10.36	8.28
170.9838	8.91	9.84	8.82	10.65	8.18
171.0283	8.93	9.77	8.89	10.91	8.05
171.0729	9.10	9.93	8.74	11.08	8.05
171.1175	9.13	9.87	8.58	11.15	7.98
171.1620	9.08	9.75	8.33	11.41	7.83
171.2066	8.97	9.71	8.21	11.70	7.62
171.2511	8.95	9.60	8.32	11.91	7.48
171.2957	8.98	9.61	8.33	12.03	7.42
171.3403	9.09	9.54	8.29	12.03	7.48
171.3848	8.98	9.38	8.22	12.02	7.52
171.4294	8.84	9.40	8.28	12.14	7.47
171.4740	8.76	9.43	8.39	12.38	7.36
171.5185	8.78	9.50	8.36	12.47	7.39
171.5631	8.89	9.63	8.42	12.51	7.41
171.6076	9.03	9.65	8.39	12.60	7.39
171.6522	9.00	9.44	8.34	12.56	7.35
171.6968	9.07	9.28	8.34	12.51	7.35
171.7413	9.19	9.24	8.33	12.33	7.30
171.7859	9.29	9.28	8.24	12.18	7.24
171.8305	9.26	9.26	8.22	12.10	7.29
171.8750	9.18	9.08	8.29	12.06	7.51
171.9196	9.18	8.97	8.31	11.88	7.66
171.9641	9.24	9.08	8.33	11.71	7.72
172.0087	9.51	9.17	8.32	11.50	7.66
172.0533	9.60	9.11	8.31	11.29	7.76
172.0978	9.63	8.99	8.34	11.19	7.93
172.1424	9.59	8.81	8.46	11.15	8.06
172.1869	9.53	8.87	8.56	10.91	8.12
172.2315	9.51	8.91	8.39	10.61	8.22
172.2761	9.43	8.87	8.33	10.38	8.28
172.3206	9.39	8.80	8.37	10.19	8.42
172.3652	9.35	8.72	8.44	9.96	8.46
172.4098	9.31	8.58	8.48	9.81	8.50
172.4543	9.35	8.57	8.48	9.55	8.56
172.4989	9.45	8.68	8.63	9.45	8.61
172.5434	9.47	8.85	8.79	9.44	8.64
172.5880	9.41	8.77	8.96	9.48	8.80
172.6326	9.32	8.76	9.00	9.41	9.10
172.6771	9.35	8.64	9.05	9.19	9.18
172.7217	9.28	8.78	8.99	8.96	9.27
172.7663	9.10	8.91	8.97	8.78	9.38
172.8108	8.95	8.93	8.96	8.62	9.47
172.8554	8.89	8.84	8.94	8.62	9.68
172.8999	8.81	8.73	8.76	8.57	9.81
172.9445	8.80	8.72	8.67	8.42	9.98
172.9891	8.65	8.63	8.71	8.40	10.15
173.0336	8.45	8.51	8.75	8.60	10.27
173.0782	8.28	8.59	8.68	8.74	10.53
173.1227	8.27	8.53	8.54	8.79	10.73

173.1673	8.13	8.55	8.60	8.67	10.83
173.2119	8.02	8.64	8.61	8.64	10.89
173.2564	7.93	8.56	8.53	8.65	10.98
173.3010	7.90	8.57	8.61	8.66	11.03
173.3456	7.94	8.56	8.63	8.56	11.12
173.3901	8.10	8.58	8.68	8.58	11.07
173.4347	8.15	8.64	8.63	8.50	11.07
173.4792	8.15	8.70	8.63	8.41	11.15
173.5238	8.14	8.64	8.68	8.45	11.14
173.5684	8.25	8.64	8.69	8.37	11.11
173.6129	8.44	8.72	8.65	8.32	10.91
173.6575	8.56	8.74	8.62	8.23	10.74
173.7020	8.63	8.66	8.82	8.13	10.68
173.7466	8.70	8.52	8.91	8.21	10.69
173.7912	8.78	8.48	8.96	8.45	10.74
173.8357	8.93	8.53	8.91	8.58	10.71
173.8803	8.96	8.66	8.95	8.72	10.64
173.9249	8.96	8.67	9.03	8.85	10.56
173.9694	8.92	8.56	9.02	8.99	10.45
174.0140	8.83	8.51	8.98	9.22	10.39
174.0585	8.93	8.60	8.92	9.31	10.12
174.1031	9.01	8.76	8.95	9.45	9.89
174.1477	9.08	8.77	8.87	9.71	9.75
174.1922	9.07	8.85	8.77	9.89	9.54
174.2368	9.08	9.00	8.73	10.09	9.40
174.2814	9.13	9.12	8.69	10.20	9.09
174.3259	9.35	9.11	8.69	10.46	8.87
174.3705	9.46	9.09	8.69	10.75	8.69
174.4150	9.59	9.01	8.79	10.98	8.56
174.4596	9.59	8.92	8.85	11.25	8.32
174.5042	9.59	8.87	8.86	11.38	8.02
174.5487	9.62	8.71	8.88	11.43	7.83
174.5933	9.65	8.71	8.88	11.57	7.65
174.6378	9.63	8.87	8.89	11.78	7.34
174.6824	9.55	9.15	8.84	11.90	7.19
174.7270	9.61	9.18	8.85	11.97	7.06
174.7715	9.59	9.19	8.93	12.01	6.98
174.8161	9.41	9.05	9.11	12.04	6.82
174.8607	9.43	9.01	9.27	12.17	6.73
174.9052	9.40	8.96	9.41	12.29	6.87
174.9498	9.41	8.90	9.30	12.36	7.01
174.9943	9.47	8.67	9.31	12.40	7.02
175.0389	9.40	8.59	9.41	12.40	7.08
175.0835	9.29	8.65	9.35	12.31	7.23
175.1280	9.12	8.49	9.29	12.30	7.23
175.1726	9.13	8.45	9.14	12.17	7.21
175.2172	9.15	8.56	9.20	11.89	7.27
175.2617	9.07	8.72	9.22	11.80	7.45
175.3063	8.94	8.97	9.22	11.71	7.66
175.3508	8.87	8.95	9.24	11.52	7.85
175.3954	8.82	9.03	9.17	11.29	8.09
175.4400	8.85	9.35	9.11	11.01	8.20
175.4845	8.76	9.49	9.17	10.83	8.42
175.5291	8.74	9.46	9.28	10.65	8.56
175.5736	8.78	9.42	9.42	10.52	8.72
175.6182	8.80	9.57	9.55	10.35	9.03
175.6628	8.85	9.61	9.55	10.04	9.24
175.7073	8.92	9.55	9.67	9.82	9.36
175.7519	8.82	9.38	9.85	9.57	9.45
175.7965	8.73	9.51	9.96	9.25	9.66

175.8410	8.75	9.78	10.07	9.05	9.84
175.8856	8.76	9.75	10.15	8.83	10.03
175.9301	8.70	9.74	10.27	8.58	10.24
175.9747	8.59	9.91	10.35	8.39	10.42
176.0193	8.55	10.15	10.27	8.30	10.48
176.0638	8.62	10.39	10.20	8.19	10.63
176.1084	8.73	10.46	10.05	8.05	10.80
176.1530	8.74	10.35	9.98	7.96	10.95
176.1975	8.67	10.38	9.95	7.87	10.95
176.2421	8.66	10.38	9.94	7.85	11.01
176.2866	8.58	10.29	9.99	7.73	11.13
176.3312	8.51	10.33	9.92	7.59	11.20
176.3758	8.46	10.58	9.91	7.50	11.19
176.4203	8.43	10.70	10.02	7.43	11.21
176.4649	8.41	10.64	9.99	7.41	11.16
176.5094	8.36	10.60	9.96	7.49	11.10
176.5540	8.47	10.59	9.94	7.65	11.08
176.5986	8.56	10.59	9.91	7.76	11.13
176.6431	8.49	10.58	9.87	7.85	11.16
176.6877	8.39	10.34	9.87	7.89	11.17
176.7323	8.36	10.24	9.84	8.02	11.21
176.7768	8.41	10.29	9.77	8.21	11.29
176.8214	8.39	10.28	9.77	8.34	11.29
176.8659	8.40	10.20	9.85	8.42	11.21
176.9105	8.34	10.00	9.85	8.45	11.11
176.9551	8.27	9.90	9.78	8.52	10.94
176.9996	8.33	9.69	9.77	8.62	10.76
177.0442	8.52	9.56	9.79	8.72	10.62
177.0887	8.72	9.59	9.80	8.96	10.41
177.1333	8.72	9.59	9.88	9.23	10.09
177.1779	8.73	9.52	9.93	9.37	9.89
177.2224	8.77	9.29	9.99	9.33	9.65
177.2670	8.95	9.15	10.01	9.36	9.38
177.3116	9.09	9.22	9.90	9.51	9.23
177.3561	9.11	9.16	9.74	9.67	8.98
177.4007	9.04	8.91	9.62	9.91	8.73
177.4452	9.05	8.68	9.46	10.03	8.54
177.4898	9.10	8.65	9.42	10.08	8.30
177.5344	9.13	8.66	9.42	10.18	8.09
177.5789	9.07	8.72	9.43	10.39	7.87
177.6235	9.02	8.84	9.45	10.64	7.53
177.6681	9.05	8.93	9.48	10.76	7.41
177.7126	9.04	9.11	9.50	10.79	7.35
177.7572	8.87	9.20	9.50	10.91	7.34
177.8017	8.65	9.15	9.47	10.98	7.25
177.8463	8.56	9.19	9.42	11.16	7.09
177.8909	8.60	9.27	9.44	11.35	7.00
177.9354	8.64	9.39	9.32	11.47	7.07
177.9800	8.62	9.35	9.29	11.57	7.11
178.0245	8.49	9.30	9.27	11.69	6.93
178.0691	8.32	9.45	9.35	11.71	6.87
178.1137	8.25	9.69	9.36	11.69	6.72
178.1582	8.33	9.84	9.27	11.53	6.59
178.2028	8.35	9.91	9.22	11.46	6.69
178.2474	8.24	10.01	9.19	11.44	6.89
178.2919	8.24	10.05	9.18	11.43	6.90
178.3365	8.15	10.14	9.14	11.26	6.87
178.3810	8.31	10.19	9.13	11.09	6.77
178.4256	8.44	10.19	9.17	10.91	6.66
178.4702	8.53	10.25	9.14	10.75	6.76

178.5147	8.60	10.17	9.16	10.68	6.87
178.5593	8.63	10.03	9.29	10.52	6.97
178.6039	8.59	10.06	9.47	10.29	7.03
178.6484	8.53	10.13	9.49	9.97	7.22
178.6930	8.44	10.10	9.51	9.79	7.47
178.7375	8.43	9.99	9.62	9.67	7.90
178.7821	8.43	9.87	9.68	9.48	8.27
178.8267	8.54	9.76	9.83	9.29	8.57
178.8712	8.52	9.55	9.75	9.12	8.85
178.9158	8.39	9.44	9.72	9.16	9.17
178.9603	8.19	9.39	9.88	9.13	9.28
179.0049	8.05	9.43	10.07	9.02	9.50
179.0495	8.12	9.11	10.07	8.89	9.76
179.0940	8.18	9.01	10.13	8.67	10.11
179.1386	8.22	8.96	10.24	8.53	10.44
179.1832	8.11	8.90	10.27	8.36	10.65
179.2277	8.03	8.85	10.23	8.23	10.74
179.2723	8.12	8.72	10.25	8.10	10.98
179.3168	8.28	8.69	10.33	7.95	11.10
179.3614	8.34	8.71	10.28	7.90	11.24
179.4060	8.30	8.66	10.11	7.87	11.39
179.4505	8.40	8.65	10.01	7.85	11.61
179.4951	8.64	8.67	10.08	7.78	11.62
179.5397	8.73	8.64	10.20	7.62	11.66
179.5842	8.71	8.37	10.27	7.55	11.63
179.6288	8.59	8.20	10.27	7.65	11.65
179.6733	8.63	8.09	10.31	7.73	11.60
179.7179	8.71	8.12	10.45	7.70	11.54
179.7625	8.86	8.20	10.42	7.58	11.49
179.8070	8.94	8.30	10.32	7.70	11.49
179.8516	8.90	8.35	10.43	7.89	11.47
179.8961	8.90	8.38	10.45	7.95	11.36
179.9407	8.94	8.48	10.43	7.90	11.16
179.9853	9.05	8.58	10.38	7.90	11.07
180.0298	9.12	8.69	10.26	8.01	10.95
180.0744	9.06	8.63	10.14	8.09	10.89
180.1190	8.82	8.53	9.97	8.21	10.88
180.1635	8.82	8.47	9.88	8.29	10.83
180.2081	8.95	8.52	10.01	8.43	10.65
180.2526	9.00	8.76	9.92	8.61	10.38
180.2972	8.88	8.96	9.94	8.95	10.21
180.3418	8.88	9.17	9.91	9.27	9.99
180.3863	8.91	9.36	9.84	9.44	9.72
180.4309	8.98	9.38	9.82	9.59	9.30
180.4754	9.01	9.54	9.69	9.72	8.99
180.5200	9.00	9.55	9.56	9.93	8.91
180.5646	8.96	9.44	9.49	10.14	8.81
180.6091	8.94	9.35	9.41	10.24	8.73
180.6537	9.01	9.38	9.30	10.33	8.64
180.6983	8.97	9.43	9.25	10.41	8.48
180.7428	8.98	9.48	9.12	10.60	8.25
180.7874	8.93	9.46	9.04	10.78	8.13
180.8319	8.99	9.37	9.07	10.85	8.02
180.8765	9.03	9.44	8.93	11.04	7.82
180.9211	9.09	9.35	8.84	11.19	7.65
180.9656	9.04	9.33	8.91	11.41	7.56
181.0102	8.95	9.23	8.86	11.68	7.49
181.0548	8.89	9.25	8.81	11.89	7.36
181.0993	8.97	9.25	8.73	11.99	7.15
181.1439	9.02	9.23	8.58	12.10	6.95

181.1884	9.19	8.94	8.53	12.18	6.72
181.2330	9.24	8.85	8.48	12.20	6.60
181.2776	9.23	8.83	8.39	12.31	6.51
181.3221	9.14	8.85	8.39	12.29	6.42
181.3667	9.10	8.79	8.41	12.26	6.41
181.4112	9.16	8.84	8.41	12.33	6.45
181.4558	9.21	8.88	8.34	12.40	6.67
181.5004	9.17	9.04	8.31	12.27	6.78
181.5449	9.16	9.29	8.30	12.17	6.88
181.5895	9.17	9.41	8.27	12.02	7.12
181.6341	9.15	9.55	8.12	11.96	7.17
181.6786	9.06	9.57	8.12	11.95	7.29
181.7232	9.03	9.57	8.27	11.89	7.44
181.7677	9.09	9.66	8.40	11.74	7.62
181.8123	9.16	9.59	8.43	11.62	7.85
181.8569	9.21	9.52	8.40	11.45	8.12
181.9014	9.18	9.42	8.46	11.21	8.24
181.9460	9.22	9.36	8.54	10.97	8.46
181.9906	9.38	9.29	8.57	10.83	8.64
182.0351	9.50	9.12	8.69	10.47	8.82
182.0797	9.60	9.09	8.83	10.10	9.02
182.1242	9.61	8.99	8.94	9.92	9.21
182.1688	9.53	9.09	9.06	9.79	9.36
182.2134	9.52	8.98	9.16	9.58	9.49
182.2579	9.46	8.94	9.13	9.38	9.65
182.3025	9.41	8.86	9.11	9.23	9.85
182.3470	9.43	8.77	9.19	9.11	10.05
182.3916	9.51	8.86	9.16	9.02	10.11
182.4362	9.51	8.88	9.20	8.77	10.20
182.4807	9.49	9.01	9.17	8.61	10.39
182.5253	9.46	9.15	9.18	8.52	10.60
182.5699	9.34	9.13	9.22	8.56	10.68
182.6144	9.21	9.16	9.40	8.64	10.82
182.6590	9.22	9.13	9.41	8.64	10.90
182.7035	9.30	9.04	9.38	8.58	10.95
182.7481	9.32	8.93	9.32	8.57	11.07
182.7927	9.26	8.99	9.25	8.52	11.20
182.8372	9.10	9.13	9.30	8.58	11.31
182.8818	9.00	9.10	9.19	8.77	11.36
182.9263	8.87	9.12	9.01	8.85	11.41
182.9709	8.71	9.22	9.01	8.96	11.53
183.0155	8.70	9.37	9.09	9.09	11.65
183.0600	8.61	9.23	9.16	9.17	11.66
183.1046	8.53	9.02	9.18	9.40	11.61
183.1492	8.52	8.89	9.17	9.53	11.55
183.1937	8.59	8.90	8.98	9.58	11.40
183.2383	8.61	8.99	8.83	9.72	11.24
183.2828	8.58	8.95	8.91	9.91	11.19
183.3274	8.50	8.82	8.84	9.91	11.11
183.3720	8.45	8.82	8.71	9.85	10.91
183.4165	8.48	9.04	8.67	9.83	10.67
183.4611	8.46	9.15	8.58	9.73	10.35
183.5057	8.45	9.14	8.63	9.76	10.24
183.5502	8.40	9.14	8.65	9.93	10.15
183.5948	8.55	9.10	8.57	10.02	9.94
183.6393	8.69	9.32	8.60	10.00	9.74
183.6839	8.76	9.42	8.60	10.03	9.59
183.7285	8.75	9.36	8.62	10.19	9.39
183.7730	8.65	9.32	8.56	10.28	9.22
183.8176	8.69	9.51	8.50	10.31	9.12

183.8621	8.73	9.64	8.32	10.27	9.04
183.9067	8.70	9.45	8.16	10.21	8.85
183.9513	8.62	9.37	8.13	10.14	8.70
183.9958	8.49	9.32	8.19	10.14	8.51
184.0404	8.45	9.46	8.17	10.14	8.21
184.0850	8.52	9.54	8.11	10.09	8.04
184.1295	8.65	9.55	8.04	10.23	8.00
184.1741	8.67	9.64	7.94	10.41	7.88
184.2186	8.74	9.74	7.96	10.62	7.69
184.2632	8.86	9.77	7.83	10.73	7.48
184.3078	8.97	9.74	7.73	10.71	7.31
184.3523	9.00	9.72	7.68	10.71	7.29
184.3969	9.05	9.73	7.75	10.81	7.19
184.4415	9.08	9.53	7.89	10.85	7.11
184.4860	9.14	9.28	8.02	10.77	6.91
184.5306	9.14	9.33	8.07	10.75	6.76
184.5751	9.11	9.50	8.10	10.76	6.85
184.6197	9.11	9.64	8.08	10.83	6.91
184.6643	9.03	9.56	8.03	10.98	6.99
184.7088	9.17	9.53	7.99	11.13	7.05
184.7534	9.44	9.46	7.97	11.14	7.11
184.7979	9.48	9.42	8.00	11.12	7.22
184.8425	9.39	9.51	8.01	11.14	7.34
184.8871	9.25	9.42	8.16	11.13	7.55
184.9316	9.14	9.20	8.38	11.10	7.62
184.9762	9.12	8.97	8.44	11.03	7.68
185.0208	9.07	8.92	8.54	10.98	7.83
185.0653	9.01	8.96	8.59	10.88	8.06
185.1099	8.98	8.99	8.72	10.88	8.30
185.1544	9.09	9.01	8.83	10.85	8.50
185.1990	9.20	9.01	8.95	10.69	8.58
185.2436	9.26	9.10	9.01	10.65	8.73
185.2881	9.20	9.24	9.06	10.67	8.78
185.3327	9.14	9.42	9.15	10.56	8.92
185.3773	9.04	9.52	9.15	10.31	9.05
185.4218	9.00	9.68	9.08	10.10	9.10
185.4664	8.84	9.89	9.03	9.76	9.25
185.5109	8.78	9.98	9.12	9.58	9.42
185.5555	8.60	10.23	9.24	9.45	9.55
185.6001	8.47	10.14	9.29	9.21	9.70
185.6446	8.53	10.04	9.37	9.04	9.86
185.6892	8.69	10.03	9.47	8.90	10.12
185.7337	8.79	9.97	9.51	8.78	10.38
185.7783	8.76	9.88	9.65	8.69	10.59
185.8229	8.67	9.70	9.77	8.56	10.69
185.8674	8.71	9.67	9.80	8.40	10.79
185.9120	8.73	9.85	9.78	8.19	10.88
185.9566	8.71	9.94	9.82	8.02	11.00
186.0011	8.52	9.84	9.82	7.89	11.14
186.0457	8.43	9.64	9.91	7.80	11.16
186.0902	8.46	9.68	9.87	7.65	11.08
186.1348	8.46	9.59	9.80	7.58	11.05
186.1794	8.50	9.58	9.69	7.52	10.98
186.2239	8.46	9.52	9.62	7.60	10.87
186.2685	8.39	9.44	9.65	7.72	10.91
186.3130	8.42	9.50	9.73	7.77	10.98
186.3576	8.49	9.49	9.91	7.76	11.02
186.4022	8.49	9.61	9.99	7.84	11.16
186.4467	8.41	9.68	10.05	7.88	11.14
186.4913	8.31	9.72	10.07	7.94	11.07

186.5359	8.38	9.71	10.00	8.00	11.01
186.5804	8.42	9.66	10.00	8.08	11.13
186.6250	8.45	9.74	10.00	8.19	11.06
186.6695	8.48	9.88	9.94	8.38	10.92
186.7141	8.47	9.90	10.11	8.58	10.77
186.7587	8.47	9.66	10.33	8.78	10.57
186.8032	8.43	9.48	10.40	8.88	10.30
186.8478	8.51	9.30	10.42	8.98	10.06
186.8924	8.59	9.27	10.38	9.13	9.80
186.9369	8.64	9.17	10.36	9.32	9.62
186.9815	8.66	9.05	10.34	9.41	9.49
187.0260	8.75	8.87	10.26	9.44	9.30
187.0706	8.87	8.81	10.26	9.51	9.14
187.1152	8.89	8.73	10.24	9.69	8.90
187.1597	8.81	8.51	10.24	9.86	8.65
187.2043	8.86	8.50	10.20	10.04	8.43
187.2488	8.93	8.61	10.14	10.20	8.25
187.2934	9.07	8.61	10.05	10.36	7.97
187.3380	9.03	8.43	10.04	10.44	7.68
187.3825	9.01	8.36	9.98	10.67	7.49
187.4271	8.98	8.46	9.93	10.91	7.35
187.4717	9.01	8.62	9.86	11.11	7.22
187.5162	9.01	8.71	9.89	11.22	7.02
187.5608	8.97	8.78	10.08	11.27	6.84
187.6053	8.92	8.94	10.06	11.39	6.65
187.6499	8.89	9.05	9.97	11.57	6.46
187.6945	8.89	9.15	10.00	11.62	6.26
187.7390	8.88	9.15	10.01	11.62	6.13
187.7836	8.79	9.36	10.07	11.67	6.12
187.8282	8.68	9.44	10.07	11.77	6.18
187.8727	8.64	9.60	10.05	11.77	6.35
187.9173	8.70	9.71	10.17	11.67	6.57
187.9618	8.75	9.95	10.26	11.53	6.64
188.0064	8.88	10.14	10.26	11.47	6.67
188.0510	8.90	10.26	10.18	11.48	6.66
188.0955	8.81	10.33	10.06	11.50	6.73
188.1401	8.80	10.36	10.00	11.49	6.83
188.1846	8.94	10.31	10.05	11.37	6.90
188.2292	8.97	10.13	10.08	11.23	6.91
188.2738	8.84	9.96	10.06	11.01	7.03
188.3183	8.77	10.05	10.08	10.76	7.14
188.3629	8.72	9.99	9.99	10.56	7.43
188.4075	8.72	9.88	9.95	10.42	7.80
188.4520	8.58	9.75	9.90	10.20	8.18
188.4966	8.47	9.67	9.85	9.96	8.41
188.5411	8.46	9.75	9.85	9.95	8.67
188.5857	8.50	9.62	9.82	9.85	8.95
188.6303	8.53	9.63	9.76	9.69	9.24
188.6748	8.47	9.54	9.74	9.45	9.54
188.7194	8.39	9.49	9.78	9.32	9.73
188.7640	8.34	9.45	9.65	9.04	9.93
188.8085	8.30	9.40	9.57	8.75	10.17
188.8531	8.30	9.30	9.51	8.41	10.46
188.8976	8.32	8.95	9.45	8.13	10.77
188.9422	8.45	8.78	9.36	7.94	10.92
188.9868	8.51	8.81	9.34	7.78	10.97
189.0313	8.49	8.75	9.40	7.73	11.07
189.0759	8.57	8.92	9.38	7.71	11.01
189.1204	8.56	9.07	9.41	7.61	11.04
189.1650	8.55	9.27	9.38	7.49	11.20

189.2096	8.47	9.39	9.25	7.29	11.27
189.2541	8.50	9.40	9.21	7.26	11.40
189.2987	8.40	9.35	9.13	7.31	11.55
189.3433	8.39	9.28	8.99	7.28	11.61
189.3878	8.31	9.29	8.92	7.23	11.69
189.4324	8.17	9.30	8.94	7.18	11.74
189.4769	8.10	9.46	8.96	7.21	11.63
189.5215	8.23	9.46	8.94	7.34	11.48
189.5661	8.34	9.63	9.00	7.45	11.41
189.6106	8.41	9.67	9.03	7.60	11.33
189.6552	8.46	9.76	8.97	7.68	11.23
189.6997	8.49	9.70	8.88	7.78	11.23
189.7443	8.46	9.63	8.93	7.86	11.15
189.7889	8.65	9.62	9.01	8.02	11.04
189.8334	8.78	9.74	9.12	8.14	10.93
189.8780	8.73	9.78	9.20	8.28	10.88
189.9226	8.65	9.85	9.20	8.48	10.69
189.9671	8.53	9.97	9.24	8.58	10.39
190.0117	8.57	10.17	9.16	8.69	10.04
190.0562	8.71	10.16	9.10	8.88	9.82
190.1008	8.77	10.00	9.11	9.06	9.62
190.1454	8.81	9.85	9.11	9.24	9.46
190.1899	8.80	9.94	9.01	9.41	9.38
190.2345	8.86	10.04	9.03	9.51	9.26
190.2791	8.93	9.87	9.12	9.59	9.04
190.3236	9.00	9.92	9.05	9.84	8.84
190.3682	8.99	9.93	8.95	10.01	8.48
190.4127	8.97	10.03	8.82	10.13	8.15
190.4573	9.02	10.18	8.61	10.25	7.94
190.5019	9.04	10.21	8.52	10.40	7.80
190.5464	9.09	10.10	8.58	10.71	7.70
190.5910	9.06	9.89	8.54	10.98	7.55
190.6355	9.02	9.87	8.57	11.16	7.34
190.6801	9.05	9.95	8.63	11.19	7.19
190.7247	9.04	9.86	8.69	11.22	7.22
190.7692	8.96	9.66	8.69	11.34	7.32
190.8138	8.88	9.48	8.68	11.42	7.24
190.8584	8.91	9.46	8.81	11.58	7.06
190.9029	8.86	9.30	8.76	11.63	6.92
190.9475	8.87	9.13	8.76	11.55	6.86
190.9920	8.92	8.99	8.82	11.50	6.84
191.0366	9.01	9.02	8.77	11.52	6.78
191.0812	9.11	9.05	8.66	11.67	6.81
191.1257	9.15	8.98	8.47	11.77	6.84
191.1703	9.12	9.01	8.31	11.74	6.84
191.2149	9.01	9.12	8.24	11.70	6.90
191.2594	8.98	9.19	8.33	11.71	7.00
191.3040	8.94	9.26	8.44	11.82	7.18
191.3485	8.87	9.22	8.47	11.88	7.35
191.3931	8.92	9.13	8.52	12.03	7.44
191.4377	8.91	9.19	8.57	12.03	7.65
191.4822	8.78	9.23	8.57	11.94	7.83
191.5268	8.64	9.16	8.44	11.85	8.00
191.5713	8.64	9.30	8.29	11.74	8.21
191.6159	8.74	9.50	8.24	11.55	8.54
191.6605	8.80	9.51	8.25	11.52	8.78
191.7050	8.73	9.52	8.39	11.34	8.97
191.7496	8.64	9.58	8.43	11.08	9.09
191.7942	8.59	9.61	8.57	10.82	9.28
191.8387	8.71	9.59	8.64	10.56	9.32

191.8833	8.83	9.39	8.59	10.24	9.44
191.9278	9.05	9.27	8.64	10.09	9.70
191.9724	9.21	9.17	8.65	9.92	9.94
192.0170	9.19	9.06	8.79	9.71	10.19
192.0615	9.17	9.10	8.84	9.39	10.36
192.1061	9.17	9.15	8.90	9.16	10.52
192.1507	9.09	8.99	8.97	9.03	10.73
192.1952	9.20	8.82	9.14	8.85	10.94
192.2398	9.38	8.87	9.17	8.59	11.08
192.2843	9.47	8.87	9.08	8.38	11.23
192.3289	9.46	9.02	9.06	8.18	11.37
192.3735	9.44	9.12	9.08	8.15	11.49
192.4180	9.35	9.00	9.10	8.01	11.61
192.4626	9.46	8.86	9.08	8.01	11.73
192.5071	9.51	8.89	9.27	8.06	11.78
192.5517	9.51	9.14	9.35	8.07	12.00
192.5963	9.34	9.18	9.24	8.10	12.20
192.6408	9.21	9.17	9.22	8.23	12.14
192.6854	9.13	9.07	9.22	8.27	12.05
192.7300	9.13	9.06	9.26	8.33	12.00
192.7745	9.16	9.09	9.25	8.55	12.00
192.8191	9.15	9.05	9.39	8.76	12.01
192.8636	9.06	9.00	9.51	8.94	12.04
192.9082	9.09	8.93	9.60	9.08	11.83
192.9528	9.00	8.90	9.59	9.22	11.73
192.9973	9.00	9.01	9.49	9.44	11.53
193.0419	9.05	9.08	9.46	9.61	11.10
193.0864	9.08	9.14	9.45	9.73	10.78
193.1310	9.04	9.12	9.49	9.91	10.42
193.1756	9.10	9.16	9.52	9.99	10.12
193.2201	9.13	9.11	9.58	10.03	9.73
193.2647	9.04	9.02	9.58	10.24	9.39
193.3093	8.98	9.04	9.52	10.56	9.04
193.3538	9.02	9.02	9.33	10.79	8.64
193.3984	9.08	9.04	9.14	10.84	8.33
193.4429	9.10	9.10	8.95	10.90	8.00
193.4875	9.15	9.20	8.78	11.04	7.73
193.5321	9.12	9.14	8.73	11.19	7.60
193.5766	9.11	9.02	8.69	11.33	7.37
193.6212	9.11	9.05	8.72	11.43	7.20
193.6658	9.19	9.04	8.66	11.40	6.99
193.7103	9.18	9.08	8.56	11.42	6.96
193.7549	9.04	8.96	8.51	11.45	6.92
193.7994	8.98	8.75	8.40	11.43	6.88
193.8440	9.12	8.67	8.34	11.46	6.82
193.8886	9.20	8.68	8.27	11.56	6.61
193.9331	9.20	8.71	8.24	11.54	6.54
193.9777	9.11	8.61	8.35	11.54	6.54
194.0222	9.12	8.45	8.44	11.64	6.49
194.0668	9.12	8.41	8.57	11.60	6.49
194.1114	9.15	8.55	8.73	11.48	6.59
194.1559	9.15	8.75	8.75	11.49	6.72
194.2005	9.13	8.85	8.60	11.43	6.78
194.2451	9.12	8.86	8.45	11.33	6.75
194.2896	9.08	8.81	8.34	11.07	6.81
194.3342	9.19	8.89	8.31	10.80	6.98
194.3787	9.29	8.91	8.29	10.80	7.11
194.4233	9.30	8.88	8.30	10.78	7.30
194.4679	9.17	8.90	8.31	10.76	7.59
194.5124	9.07	8.84	8.43	10.68	7.78

194.5570	9.08	8.79	8.55	10.69	7.93
194.6016	9.09	8.75	8.59	10.66	8.21
194.6461	8.88	8.74	8.73	10.64	8.48
194.6907	8.82	8.90	8.81	10.56	8.63
194.7352	8.76	8.93	8.81	10.46	8.75
194.7798	8.78	8.99	8.97	10.27	8.93
194.8244	8.69	8.91	9.04	10.18	9.09
194.8689	8.58	9.11	8.95	10.23	9.31
194.9135	8.52	9.08	8.92	10.11	9.39
194.9580	8.51	8.82	8.99	9.93	9.43
195.0026	8.49	8.63	9.10	9.75	9.71
195.0472	8.54	8.59	9.24	9.55	9.93
195.0917	8.75	8.73	9.36	9.38	10.01
195.1363	8.81	8.72	9.52	9.31	10.05
195.1809	8.83	8.67	9.66	9.06	10.06
195.2254	8.78	8.70	9.80	8.92	10.13
195.2700	8.77	8.81	9.84	8.89	10.18
195.3145	8.64	8.98	9.72	8.93	10.29
195.3591	8.58	9.01	9.75	8.81	10.26
195.4037	8.57	9.05	9.69	8.73	10.27
195.4482	8.58	9.19	9.68	8.69	10.32
195.4928	8.57	9.41	9.75	8.64	10.32
195.5374	8.52	9.44	9.79	8.52	10.49
195.5819	8.44	9.42	9.85	8.43	10.61
195.6265	8.42	9.44	9.80	8.39	10.57
195.6710	8.38	9.46	9.84	8.33	10.61
195.7156	8.35	9.25	9.89	8.19	10.66
195.7602	8.39	9.22	9.89	8.10	10.79
195.8047	8.54	9.23	10.03	8.05	10.82
195.8493	8.65	9.17	10.10	7.98	10.85
195.8938	8.61	8.92	10.22	7.92	10.77
195.9384	8.64	8.68	10.36	7.92	10.74
195.9830	8.75	8.71	10.42	8.10	10.68
196.0275	8.79	8.85	10.39	8.28	10.71
196.0721	8.85	9.00	10.34	8.24	10.69
196.1167	8.79	8.81	10.29	8.17	10.64
196.1612	8.70	8.85	10.21	8.22	10.63
196.2058	8.72	9.22	10.23	8.26	10.51
196.2503	8.64	9.37	10.20	8.30	10.31
196.2949	8.68	9.46	10.26	8.42	10.31
196.3395	8.71	9.55	10.27	8.61	10.26
196.3840	8.79	9.65	10.20	8.76	10.29
196.4286	8.76	9.63	10.10	8.82	10.35
196.4731	8.80	9.77	10.03	8.93	10.42
196.5177	8.79	9.68	9.98	9.13	10.21
196.5623	8.84	9.80	9.87	9.26	9.98
196.6068	8.73	9.76	9.79	9.41	9.81
196.6514	8.59	9.64	9.70	9.45	9.58
196.6960	8.50	9.55	9.67	9.51	9.55
196.7405	8.60	9.53	9.67	9.69	9.39
196.7851	8.64	9.51	9.59	9.79	9.27
196.8296	8.64	9.45	9.62	9.92	9.16
196.8742	8.65	9.62	9.61	10.08	9.00
196.9188	8.67	9.83	9.53	10.27	8.90
196.9633	8.67	9.95	9.47	10.38	8.59
197.0079	8.70	9.83	9.41	10.54	8.25
197.0525	8.76	9.64	9.48	10.58	8.01
197.0970	8.77	9.53	9.61	10.62	7.94
197.1416	8.77	9.54	9.50	10.58	7.79
197.1861	8.68	9.50	9.57	10.51	7.50

197.2307	8.63	9.44	9.60	10.58	7.26
197.2753	8.62	9.43	9.46	10.82	7.02
197.3198	8.68	9.47	9.35	10.95	6.93
197.3644	8.65	9.48	9.37	11.00	6.94
197.4089	8.62	9.69	9.42	11.10	6.87
197.4535	8.63	9.82	9.34	11.25	6.83
197.4981	8.70	9.90	9.27	11.42	6.84
197.5426	8.78	9.97	9.25	11.50	6.93
197.5872	8.75	9.97	9.22	11.49	6.94
197.6318	8.65	10.12	9.10	11.47	7.05
197.6763	8.52	10.14	9.01	11.38	7.12
197.7209	8.45	10.10	8.97	11.29	7.03
197.7654	8.51	10.00	9.06	11.25	6.98
197.8100	8.54	9.90	9.21	11.26	6.97
197.8546	8.55	9.79	9.34	11.30	7.10
197.8991	8.49	9.65	9.45	11.23	7.20
197.9437	8.53	9.69	9.43	11.15	7.32
197.9883	8.59	9.62	9.37	11.13	7.51
198.0328	8.66	9.61	9.39	11.02	7.64
198.0774	8.64	9.69	9.41	10.86	7.77
198.1219	8.62	9.68	9.45	10.66	7.95
198.1665	8.58	9.75	9.52	10.43	8.20
198.2111	8.48	9.85	9.61	10.18	8.40
198.2556	8.49	9.94	9.66	10.01	8.61
198.3002	8.51	9.93	9.73	9.90	8.76
198.3447	8.58	9.89	9.83	9.71	8.93
198.3893	8.56	9.78	9.83	9.59	9.20
198.4339	8.52	9.74	9.82	9.39	9.52
198.4784	8.57	9.85	9.85	9.18	9.70
198.5230	8.66	9.85	10.00	9.01	9.95
198.5676	8.63	9.79	10.17	8.86	10.15
198.6121	8.58	9.83	10.25	8.69	10.29
198.6567	8.57	9.79	10.32	8.59	10.32
198.7012	8.51	9.90	10.39	8.44	10.36
198.7458	8.48	9.89	10.41	8.19	10.36
198.7904	8.50	9.90	10.37	8.03	10.48
198.8349	8.51	9.82	10.41	7.89	10.63
198.8795	8.53	9.66	10.37	7.76	10.80
198.9241	8.55	9.60	10.39	7.58	10.98
198.9686	8.64	9.58	10.46	7.38	11.15
199.0132	8.74	9.58	10.62	7.28	11.21
199.0577	8.83	9.46	10.70	7.31	11.37
199.1023	8.90	9.44	10.53	7.39	11.44
199.1469	8.99	9.46	10.41	7.51	11.55
199.1914	9.09	9.42	10.26	7.68	11.47
199.2360	9.13	9.51	10.21	7.75	11.34
199.2805	8.97	9.74	10.18	7.76	11.17
199.3251	8.78	9.88	10.13	7.78	11.12
199.3697	8.59	9.88	10.07	7.84	11.14
199.4142	8.55	9.91	10.01	7.95	11.09
199.4588	8.51	9.97	10.05	7.98	11.06
199.5034	8.40	9.92	9.99	8.14	11.04
199.5479	8.35	9.86	9.84	8.39	10.99
199.5925	8.42	9.80	9.70	8.61	10.82
199.6370	8.53	9.80	9.61	8.82	10.62
199.6816	8.74	9.54	9.58	9.05	10.42
199.7262	8.96	9.29	9.54	9.31	10.32
199.7707	9.08	9.34	9.37	9.51	10.18
199.8153	9.07	9.42	9.23	9.49	10.03
199.8598	8.99	9.36	9.06	9.44	9.73

199.9044	8.95	9.17	9.04	9.40	9.39
199.9490	8.97	9.09	9.05	9.53	9.23
199.9935	8.98	9.19	9.00	9.73	9.03
200.0381	9.04	9.08	9.13	9.90	8.82
200.0827	9.06	9.07	9.12	10.13	8.71
200.1272	9.12	8.92	9.07	10.33	8.54
200.1718	9.15	8.84	9.11	10.62	8.30
200.2163	9.07	8.84	9.13	10.82	8.24
200.2609	9.08	8.78	9.08	11.03	8.22
200.3055	9.02	8.74	9.02	11.18	8.26
200.3500	8.92	8.73	8.98	11.24	8.34
200.3946	8.81	8.73	9.01	11.32	8.40
200.4392	8.77	8.68	8.99	11.28	8.23
200.4837	8.72	8.68	8.80	11.27	7.95
200.5283	8.75	8.65	8.83	11.42	7.86
200.5728	8.87	8.68	8.94	11.57	7.80
200.6174	8.90	8.62	8.94	11.66	7.67
200.6620	8.91	8.50	8.92	11.74	7.58
200.7065	9.08	8.49	8.95	11.68	7.48
200.7511	9.10	8.44	9.00	11.54	7.43
200.7956	9.09	8.38	8.92	11.58	7.42
200.8402	9.09	8.42	9.01	11.45	7.40
200.8848	9.09	8.50	9.12	11.38	7.41
200.9293	9.12	8.50	9.04	11.26	7.43
200.9739	9.06	8.34	9.03	11.13	7.45
201.0185	9.06	8.33	8.99	10.97	7.36
201.0630	9.11	8.34	8.96	10.91	7.26
201.1076	9.16	8.51	8.96	10.97	7.17
201.1521	9.21	8.67	8.96	10.90	7.27
201.1967	9.22	8.59	9.05	10.81	7.50
201.2413	9.19	8.60	8.97	10.84	7.66
201.2858	9.15	8.66	8.98	10.83	7.76
201.3304	9.15	8.88	9.08	10.76	7.97
201.3750	9.03	8.85	9.05	10.72	8.12
201.4195	8.92	9.00	8.95	10.67	8.32
201.4641	8.80	9.05	8.87	10.55	8.52
201.5086	8.70	9.19	8.82	10.42	8.60
201.5532	8.57	9.08	8.79	10.37	8.69
201.5978	8.51	8.85	8.86	10.19	8.91
201.6423	8.54	8.94	8.79	10.07	9.19
201.6869	8.50	9.01	8.84	9.91	9.42
201.7314	8.46	8.76	8.90	9.71	9.65
201.7760	8.47	8.69	8.93	9.63	9.94
201.8206	8.50	8.64	8.94	9.56	10.21
201.8651	8.56	8.61	9.00	9.34	10.34
201.9097	8.78	8.70	9.07	9.13	10.47
201.9543	8.87	8.72	9.07	8.87	10.68
201.9988	8.87	8.74	9.11	8.61	10.85
202.0434	8.84	8.64	9.18	8.41	11.02
202.0879	8.85	8.66	9.28	8.22	11.11
202.1325	8.76	8.57	9.27	8.07	11.25
202.1771	8.78	8.58	9.18	7.82	11.30
202.2216	8.78	8.57	9.16	7.58	11.34
202.2662	8.78	8.56	9.19	7.42	11.35
202.3107	8.81	8.83	9.17	7.38	11.36
202.3553	8.80	9.02	9.14	7.33	11.44
202.3999	8.93	9.21	9.18	7.42	11.59
202.4444	9.05	9.23	9.21	7.61	11.69
202.4890	9.06	9.32	9.20	7.72	11.68
202.5336	9.08	9.43	9.09	7.76	11.66

202.5781	9.07	9.38	9.03	7.77	11.55
202.6227	9.12	9.28	9.00	7.83	11.34
202.6672	9.18	9.23	8.95	7.92	11.17
202.7118	9.10	9.37	8.84	8.05	11.07
202.7564	9.01	9.41	8.67	8.23	10.77
202.8009	8.97	9.43	8.61	8.50	10.55
202.8455	9.03	9.47	8.55	8.71	10.23
202.8901	9.02	9.37	8.42	8.90	9.96
202.9346	9.12	9.29	8.22	9.24	9.79
202.9792	9.13	9.23	8.23	9.56	9.70
203.0237	9.08	9.36	8.24	9.89	9.45
203.0683	9.02	9.40	8.23	10.15	9.21
203.1129	9.02	9.35	8.14	10.40	8.90
203.1574	9.01	9.26	8.06	10.66	8.56
203.2020	9.03	9.35	8.05	10.87	8.33
203.2465	8.97	9.57	8.08	11.19	8.28
203.2911	8.98	9.76	8.14	11.47	8.20
203.3357	9.17	9.69	8.11	11.75	7.98
203.3802	9.22	9.62	8.07	11.97	7.79
203.4248	9.18	9.50	7.94	12.13	7.51
203.4694	9.12	9.47	7.88	12.32	7.28
203.5139	9.15	9.53	7.94	12.44	7.06
203.5585	9.23	9.53	7.88	12.49	6.88
203.6030	9.25	9.38	7.90	12.67	6.77
203.6476	9.19	9.46	7.89	12.88	6.70
203.6922	9.14	9.43	8.01	12.90	6.58
203.7367	9.17	9.25	8.25	12.96	6.50
203.7813	9.27	9.18	8.26	12.89	6.58
203.8259	9.31	9.12	8.33	12.81	6.68
203.8704	9.49	9.10	8.34	12.83	6.73
203.9150	9.48	9.20	8.44	12.75	6.77
203.9595	9.48	9.34	8.62	12.57	6.85
204.0041	9.58	9.53	8.78	12.40	6.94
204.0487	9.55	9.64	8.76	12.30	7.18
204.0932	9.49	9.66	8.75	12.18	7.23
204.1378	9.54	9.57	8.80	12.12	7.31
204.1823	9.62	9.76	8.86	12.00	7.50
204.2269	9.59	9.77	8.86	11.80	7.71
204.2715	9.60	9.53	8.87	11.73	7.92
204.3160	9.50	9.52	8.96	11.57	8.06
204.3606	9.39	9.66	9.16	11.38	8.12
204.4052	9.24	10.00	9.18	11.25	8.37
204.4497	9.16	10.07	9.15	10.94	8.64
204.4943	9.09	9.93	9.00	10.67	8.97
204.5388	9.05	9.83	8.90	10.54	9.22
204.5834	8.99	9.77	8.88	10.36	9.44
204.6280	8.88	9.69	8.91	10.16	9.65
204.6725	8.90	9.52	8.97	9.92	9.94
204.7171	8.95	9.50	8.91	9.75	10.16
204.7617	8.88	9.43	8.93	9.58	10.45
204.8062	8.82	9.49	8.95	9.40	10.65
204.8508	8.78	9.59	9.02	9.16	10.66
204.8953	8.80	9.53	9.00	8.97	10.54
204.9399	8.78	9.63	8.97	8.75	10.54
204.9845	8.66	9.65	9.11	8.59	10.44
205.0290	8.60	9.51	9.21	8.38	10.30
205.0736	8.64	9.70	9.38	8.22	10.36
205.1181	8.73	9.89	9.62	8.13	10.53
205.1627	8.77	10.14	9.66	7.91	10.53
205.2073	8.77	10.18	9.71	7.75	10.61

205.2518	8.76	10.12	9.72	7.70	10.71
205.2964	8.74	10.06	9.68	7.69	10.82
205.3410	8.68	10.16	9.53	7.64	10.94
205.3855	8.62	10.17	9.45	7.58	10.96
205.4301	8.53	10.15	9.41	7.58	10.95
205.4746	8.47	9.97	9.42	7.66	11.02
205.5192	8.36	9.91	9.32	7.64	11.00
205.5638	8.29	9.86	9.42	7.67	11.00
205.6083	8.23	9.69	9.51	7.79	10.90
205.6529	8.24	9.65	9.51	7.92	10.86
205.6974	8.14	9.64	9.59	8.01	10.77
205.7420	8.04	9.52	9.63	8.17	10.73
205.7866	8.06	9.46	9.70	8.25	10.57
205.8311	8.19	9.34	9.80	8.26	10.37
205.8757	8.32	9.06	9.79	8.24	10.14
205.9203	8.30	8.96	9.72	8.34	10.07
205.9648	8.21	8.88	9.69	8.35	10.13
206.0094	8.25	8.96	9.61	8.45	10.12
206.0539	8.26	8.91	9.53	8.53	9.95
206.0985	8.24	8.94	9.47	8.74	9.79
206.1431	8.21	9.06	9.53	8.94	9.80
206.1876	8.31	9.31	9.58	9.17	9.72
206.2322	8.38	9.58	9.60	9.29	9.50
206.2768	8.49	9.60	9.51	9.43	9.31
206.3213	8.47	9.66	9.39	9.60	9.13
206.3659	8.33	9.68	9.33	9.84	8.96
206.4104	8.17	9.72	9.25	10.11	8.77
206.4550	8.17	9.94	9.06	10.25	8.68
206.4996	8.13	9.91	9.01	10.26	8.63
206.5441	8.21	9.93	8.99	10.30	8.45
206.5887	8.35	9.76	8.89	10.43	8.16
206.6332	8.49	9.65	8.87	10.57	7.99
206.6778	8.56	9.60	8.91	10.65	7.88
206.7224	8.66	9.64	8.80	10.79	7.73
206.7669	8.76	9.61	8.84	10.83	7.54
206.8115	8.83	9.61	8.91	10.92	7.38
206.8561	8.86	9.68	8.85	11.00	7.25
206.9006	8.90	9.61	8.77	11.00	7.19
206.9452	9.00	9.66	8.74	10.89	7.14
206.9897	9.00	9.64	8.70	10.89	6.92
207.0343	8.97	9.69	8.79	10.79	6.69
207.0789	9.02	9.70	8.87	10.76	6.61
207.1234	9.11	9.46	8.89	10.73	6.56
207.1680	9.14	9.34	8.89	10.68	6.47
207.2126	9.17	9.42	8.90	10.56	6.47
207.2571	9.16	9.38	8.92	10.47	6.60
207.3017	9.12	9.45	8.98	10.56	6.63
207.3462	9.07	9.42	9.03	10.59	6.85
207.3908	9.13	9.31	9.04	10.59	6.97
207.4354	9.11	9.28	9.02	10.42	6.99
207.4799	9.00	9.39	8.99	10.26	7.01
207.5245	8.94	9.33	9.16	10.15	7.10
207.5690	8.85	9.32	9.13	10.10	7.35
207.6136	8.78	9.33	9.05	10.19	7.51
207.6582	8.67	9.32	9.04	10.17	7.55
207.7027	8.52	9.22	9.14	10.04	7.53
207.7473	8.42	8.99	9.32	9.96	7.76
207.7919	8.32	8.89	9.36	9.96	8.08
207.8364	8.33	8.85	9.40	9.90	8.24
207.8810	8.37	8.90	9.44	9.80	8.38

207.9255	8.41	8.82	9.56	9.69	8.49
207.9701	8.33	8.76	9.73	9.57	8.66
208.0147	8.15	8.82	9.86	9.44	9.02
208.0592	8.09	9.06	9.98	9.27	9.29
208.1038	8.16	9.28	9.97	9.20	9.58
208.1484	8.20	9.33	9.99	9.10	9.85
208.1929	8.19	9.29	10.11	9.00	9.95
208.2375	8.17	9.45	10.28	8.83	10.12
208.2820	8.19	9.41	10.32	8.73	10.27
208.3266	8.27	9.54	10.36	8.63	10.46
208.3712	8.32	9.57	10.45	8.46	10.55
208.4157	8.39	9.53	10.64	8.44	10.66
208.4603	8.35	9.47	10.86	8.35	10.70
208.5048	8.38	9.56	10.81	8.28	10.81
208.5494	8.43	9.76	10.79	8.20	11.05
208.5940	8.49	9.72	10.84	8.06	11.24
208.6385	8.63	9.64	10.95	7.99	11.35
208.6831	8.61	9.53	10.99	7.95	11.36
208.7277	8.67	9.49	10.86	7.94	11.35
208.7722	8.74	9.49	10.75	7.92	11.29
208.8168	8.80	9.41	10.83	7.95	11.24
208.8613	8.94	9.48	10.99	8.00	11.13
208.9059	8.83	9.55	11.15	8.10	11.09
208.9505	8.87	9.65	11.18	8.19	11.03
208.9950	8.88	9.60	11.20	8.11	10.95
209.0396	8.89	9.54	11.19	8.12	10.91
209.0841	8.88	9.64	11.23	8.23	10.83
209.1287	8.90	9.45	11.17	8.34	10.75
209.1733	8.95	9.45	11.07	8.51	10.68
209.2178	9.09	9.55	10.90	8.64	10.57
209.2624	9.14	9.54	10.65	8.83	10.59
209.3070	9.14	9.55	10.52	8.95	10.39
209.3515	9.14	9.54	10.48	9.15	10.25
209.3961	9.06	9.42	10.37	9.35	10.13
209.4406	9.06	9.30	10.21	9.43	9.95
209.4852	9.05	9.30	10.26	9.47	9.86
209.5298	8.99	9.33	10.16	9.56	9.69
209.5743	8.93	9.29	10.10	9.76	9.60
209.6189	8.96	9.21	9.97	9.88	9.48
209.6635	9.01	9.13	9.75	10.18	9.40
209.7080	9.03	9.07	9.65	10.49	9.20
209.7526	9.07	8.97	9.48	10.72	8.77
209.7971	9.10	8.70	9.38	10.87	8.54
209.8417	9.01	8.56	9.27	11.00	8.51
209.8863	9.10	8.44	9.12	11.09	8.39
209.9308	9.12	8.50	8.99	11.03	8.28
209.9754	9.10	8.46	8.90	11.08	8.20
210.0199	8.99	8.63	8.82	11.17	8.23
210.0645	8.94	8.73	8.78	11.28	8.28
210.1091	8.93	8.98	8.75	11.31	8.27
210.1536	8.92	9.03	8.72	11.38	8.15
210.1982	9.01	9.17	8.76	11.49	8.02
210.2428	9.01	9.48	8.67	11.53	7.90
210.2873	8.97	9.60	8.64	11.61	7.69
210.3319	8.93	9.58	8.59	11.67	7.58
210.3764	8.89	9.52	8.49	11.69	7.60
210.4210	8.93	9.58	8.47	11.66	7.72
210.4656	8.97	9.61	8.46	11.52	7.66
210.5101	8.94	9.61	8.51	11.42	7.59
210.5547	9.00	9.66	8.50	11.44	7.59

210.5993	9.07	9.63	8.45	11.33	7.54
210.6438	9.05	9.61	8.36	11.16	7.37
210.6884	9.01	9.64	8.35	10.98	7.24
210.7329	9.04	9.74	8.33	10.89	7.33
210.7775	9.04	9.78	8.31	10.82	7.42
210.8221	9.14	9.63	8.31	10.78	7.50
210.8666	9.15	9.56	8.33	10.57	7.76
210.9112	9.15	9.54	8.36	10.34	7.89
210.9557	9.08	9.70	8.31	10.20	8.02
211.0003	9.00	9.75	8.30	10.11	8.13
211.0449	8.98	9.65	8.35	9.93	8.34
211.0894	9.19	9.78	8.29	9.78	8.52
211.1340	9.23	9.64	8.21	9.76	8.60
211.1786	9.20	9.75	8.34	9.69	8.71
211.2231	9.07	9.91	8.41	9.54	8.84
211.2677	9.03	9.91	8.29	9.52	9.04
211.3122	9.02	10.05	8.42	9.43	9.39
211.3568	9.07	10.04	8.50	9.36	9.71
211.4014	8.95	10.07	8.52	9.34	9.96
211.4459	8.72	10.15	8.46	9.26	10.21
211.4905	8.66	10.04	8.43	9.19	10.30
211.5351	8.62	9.84	8.51	9.16	10.41
211.5796	8.61	9.74	8.52	9.05	10.61
211.6242	8.49	9.85	8.58	9.06	10.70
211.6687	8.49	9.77	8.54	9.10	10.91
211.7133	8.50	9.44	8.55	9.06	11.11
211.7579	8.54	9.17	8.62	8.87	11.12
211.8024	8.62	9.03	8.66	8.79	11.21
211.8470	8.54	8.92	8.64	8.69	11.23
211.8915	8.49	8.87	8.57	8.68	11.29
211.9361	8.67	8.59	8.55	8.52	11.44
211.9807	8.87	8.43	8.65	8.37	11.52
212.0252	8.95	8.28	8.78	8.34	11.54
212.0698	8.91	8.25	8.83	8.39	11.61
212.1144	8.72	8.31	8.84	8.46	11.55
212.1589	8.66	8.40	8.91	8.41	11.40
212.2035	8.70	8.40	8.96	8.36	11.21
212.2480	8.65	8.30	9.09	8.33	11.14
212.2926	8.61	8.27	9.01	8.34	11.17
212.3372	8.72	8.44	8.93	8.41	11.23
212.3817	8.76	8.60	8.99	8.34	11.07
212.4263	8.86	8.69	8.99	8.30	10.94
212.4708	8.79	8.70	8.82	8.32	10.76
212.5154	8.75	8.56	8.63	8.54	10.49
212.5600	8.74	8.53	8.57	8.74	10.30
212.6045	8.86	8.65	8.46	8.83	10.08
212.6491	8.91	8.70	8.45	8.82	9.86
212.6937	8.98	8.68	8.53	8.90	9.56
212.7382	8.95	8.69	8.53	9.14	9.19
212.7828	8.84	8.81	8.44	9.34	9.05
212.8273	8.73	8.94	8.35	9.61	9.03
212.8719	8.83	9.17	8.30	9.92	8.97
212.9165	8.80	9.16	8.35	10.11	8.79
212.9610	8.76	9.22	8.32	10.43	8.61
213.0056	8.59	9.35	8.22	10.67	8.36
213.0502	8.60	9.32	8.15	10.84	8.18
213.0947	8.69	9.45	8.26	10.99	7.98
213.1393	8.74	9.48	8.35	11.25	7.85
213.1838	8.73	9.60	8.42	11.39	7.65
213.2284	8.65	9.73	8.49	11.59	7.59

213.2730	8.71	9.68	8.49	11.76	7.41
213.3175	8.83	9.81	8.60	11.76	7.31
213.3621	8.85	9.92	8.81	11.70	7.26
213.4066	8.89	9.94	8.84	11.92	7.19
213.4512	8.98	9.91	8.83	12.15	7.09
213.4958	9.10	9.77	8.97	12.37	7.07
213.5403	9.20	9.64	8.97	12.44	6.96
213.5849	9.27	9.43	8.95	12.46	6.91
213.6295	9.22	9.28	8.93	12.52	6.89
213.6740	9.21	9.10	8.91	12.55	6.96
213.7186	9.18	8.96	8.90	12.49	7.13
213.7631	9.27	8.99	8.95	12.37	7.28
213.8077	9.35	8.93	9.05	12.33	7.29
213.8523	9.35	8.84	9.22	12.24	7.28
213.8968	9.16	8.66	9.37	12.08	7.27
213.9414	9.17	8.73	9.49	11.97	7.42
213.9860	9.30	8.81	9.55	11.96	7.52
214.0305	9.52	8.92	9.53	11.97	7.57
214.0751	9.59	8.79	9.53	11.90	7.72
214.1196	9.49	8.77	9.47	11.79	7.90
214.1642	9.38	8.73	9.41	11.55	8.07
214.2088	9.36	8.71	9.47	11.30	8.32
214.2533	9.40	8.84	9.53	11.11	8.54
214.2979	9.43	8.79	9.57	10.99	8.73
214.3424	9.50	8.77	9.67	10.83	8.88
214.3870	9.51	8.50	9.76	10.69	9.18
214.4316	9.56	8.42	9.80	10.38	9.40
214.4761	9.65	8.58	9.84	10.07	9.50
214.5207	9.70	8.66	9.82	9.98	9.51
214.5653	9.76	8.69	9.82	9.92	9.67
214.6098	9.79	8.68	9.81	9.70	9.82
214.6544	9.74	8.67	9.79	9.44	9.93
214.6989	9.66	8.88	9.75	9.09	10.03
214.7435	9.56	8.94	9.73	8.80	10.16
214.7881	9.49	8.81	9.82	8.65	10.32
214.8326	9.37	8.59	9.88	8.52	10.51
214.8772	9.32	8.76	9.79	8.43	10.74
214.9218	9.28	8.87	9.70	8.41	11.01
214.9663	9.25	8.91	9.74	8.26	11.27
215.0109	9.24	8.98	9.73	8.22	11.40
215.0554	9.23	9.06	9.79	8.19	11.55
215.1000	9.19	9.32	9.90	8.24	11.68
215.1446	9.08	9.43	9.98	8.18	11.80
215.1891	8.93	9.43	9.99	8.07	11.91
215.2337	8.74	9.62	9.94	7.96	11.98
215.2782	8.50	9.72	10.01	7.92	12.02
215.3228	8.31	9.80	10.12	7.89	11.90
215.3674	8.19	9.63	10.04	7.88	11.64
215.4119	8.12	9.48	10.02	7.89	11.42
215.4565	8.20	9.53	10.05	7.95	11.33
215.5011	8.14	9.45	9.97	8.07	11.11
215.5456	8.09	9.44	9.86	8.29	10.96
215.5902	8.17	9.31	9.76	8.43	10.87
215.6347	8.36	9.35	9.61	8.50	10.71
215.6793	8.41	9.22	9.56	8.54	10.53
215.7239	8.38	9.02	9.61	8.54	10.31
215.7684	8.30	9.01	9.61	8.63	9.96
215.8130	8.36	9.12	9.59	8.71	9.62
215.8575	8.43	9.23	9.63	8.68	9.29
215.9021	8.51	9.11	9.60	8.79	8.90

215.9467	8.48	8.99	9.61	8.98	8.59
215.9912	8.47	9.00	9.62	9.29	8.26
216.0358	8.45	9.13	9.61	9.45	8.06
216.0804	8.52	9.12	9.64	9.68	7.97
216.1249	8.49	9.20	9.50	10.07	7.79
216.1695	8.41	9.40	9.48	10.41	7.61
216.2140	8.32	9.40	9.58	10.59	7.43
216.2586	8.28	9.44	9.59	10.60	7.30
216.3032	8.31	9.64	9.48	10.57	7.12
216.3477	8.36	9.71	9.42	10.66	7.05
216.3923	8.21	9.78	9.34	10.91	7.07
216.4369	8.14	9.76	9.24	11.11	7.04
216.4814	8.19	9.66	9.22	11.25	7.09
216.5260	8.30	9.51	9.17	11.26	7.02
216.5705	8.30	9.39	9.13	11.29	6.83
216.6151	8.31	9.19	9.22	11.38	6.76
216.6597	8.48	9.10	9.31	11.34	6.66
216.7042	8.61	9.10	9.53	11.27	6.42
216.7488	8.70	9.32	9.37	11.27	6.35
216.7933	8.66	9.41	9.22	11.20	6.24
216.8379	8.60	9.34	9.20	11.14	6.18
216.8825	8.52	9.27	9.26	11.08	6.15
216.9270	8.59	9.31	9.40	10.92	6.35
216.9716	8.75	9.27	9.41	10.75	6.49
217.0162	8.91	9.36	9.30	10.62	6.54
217.0607	8.94	9.31	9.32	10.54	6.74
217.1053	9.01	9.39	9.54	10.42	6.93
217.1498	8.99	9.43	9.59	10.25	7.13
217.1944	8.95	9.51	9.64	10.13	7.23
217.2390	8.99	9.57	9.63	10.03	7.43
217.2835	9.10	9.48	9.66	9.95	7.81
217.3281	9.09	9.41	9.76	9.92	8.16
217.3727	9.09	9.09	9.65	9.81	8.29
217.4172	9.03	8.96	9.59	9.68	8.33
217.4618	8.99	8.96	9.57	9.48	8.49
217.5063	8.92	8.88	9.47	9.43	8.56
217.5509	8.83	8.74	9.50	9.39	8.82
217.5955	8.72	8.46	9.55	9.28	9.18
217.6400	8.55	8.63	9.55	9.26	9.43
217.6846	8.52	8.87	9.53	9.10	9.55
217.7291	8.56	9.04	9.54	8.99	9.82
217.7737	8.51	9.18	9.60	8.98	10.16
217.8183	8.46	9.16	9.68	9.02	10.42
217.8628	8.44	9.27	9.61	9.02	10.68
217.9074	8.38	9.32	9.47	9.00	10.93
217.9520	8.36	9.43	9.37	8.99	11.11
217.9965	8.14	9.53	9.37	8.96	11.37
218.0411	8.00	9.68	9.47	8.93	11.34
218.0856	7.96	9.68	9.50	8.83	11.38
218.1302	7.96	9.62	9.49	8.65	11.38
218.1748	8.02	9.76	9.61	8.45	11.46
218.2193	8.09	9.77	9.71	8.35	11.65
218.2639	8.14	9.89	9.71	8.33	11.74
218.3085	8.13	10.09	9.67	8.28	11.77
218.3530	8.20	10.16	9.61	8.26	11.76
218.3976	8.28	10.26	9.65	8.27	11.68
218.4421	8.25	10.40	9.70	8.29	11.59
218.4867	8.29	10.45	9.74	8.27	11.56
218.5313	8.33	10.45	9.88	8.19	11.43
218.5758	8.46	10.32	9.90	8.08	11.29

218.6204	8.52	10.21	9.86	8.03	11.11
218.6649	8.38	10.05	9.79	8.07	11.02
218.7095	8.36	9.89	9.77	8.11	10.86
218.7541	8.36	9.71	9.74	8.19	10.75
218.7986	8.44	9.74	9.70	8.24	10.64
218.8432	8.54	9.82	9.69	8.25	10.44
218.8878	8.57	9.91	9.76	8.41	10.35
218.9323	8.66	9.93	9.81	8.62	10.24
218.9769	8.75	9.94	9.76	8.66	10.00
219.0214	8.80	9.89	9.77	8.61	9.85
219.0660	8.86	9.85	9.72	8.60	9.74
219.1106	8.84	9.87	9.68	8.80	9.69
219.1551	8.76	9.94	9.78	9.01	9.51
219.1997	8.81	9.92	9.83	9.07	9.48
219.2442	8.88	9.92	9.82	9.18	9.38
219.2888	8.92	9.78	9.89	9.39	9.20
219.3334	8.96	9.87	9.87	9.62	9.03
219.3779	8.99	9.74	9.96	9.92	8.78
219.4225	9.08	9.51	9.93	10.18	8.57
219.4671	9.25	9.34	9.88	10.29	8.41
219.5116	9.39	9.24	9.86	10.40	8.19
219.5562	9.30	9.35	9.91	10.56	8.11
219.6007	9.18	9.28	9.91	10.69	8.06
219.6453	9.22	9.18	9.83	10.82	7.87
219.6899	9.35	9.15	9.77	10.90	7.80
219.7344	9.46	9.11	9.59	11.01	7.74
219.7790	9.37	9.18	9.43	11.20	7.55
219.8236	9.42	9.29	9.39	11.42	7.46
219.8681	9.39	9.45	9.34	11.65	7.26
219.9127	9.46	9.46	9.26	11.81	7.11
219.9572	9.53	9.37	9.23	11.79	7.11
220.0018	9.45	9.37	9.21	11.86	7.17
220.0464	9.27	9.42	9.13	12.00	7.27
220.0909	9.14	9.56	9.06	12.01	7.36
220.1355	9.03	9.58	8.96	11.93	7.39
220.1800	9.02	9.78	8.82	11.85	7.36
220.2246	9.04	9.75	8.73	11.77	7.29
220.2692	8.93	9.64	8.71	11.70	7.29
220.3137	8.81	9.77	8.73	11.54	7.35
220.3583	8.85	9.93	8.71	11.46	7.41
220.4029	9.03	10.07	8.68	11.38	7.41
220.4474	9.15	10.00	8.63	11.31	7.55
220.4920	9.00	9.81	8.69	11.20	7.68
220.5365	8.96	9.72	8.61	11.06	7.78
220.5811	9.02	9.76	8.62	10.80	8.05
220.6257	9.13	9.60	8.61	10.56	8.28
220.6702	9.16	9.43	8.60	10.39	8.38
220.7148	9.05	9.30	8.72	10.30	8.44
220.7594	8.92	9.25	8.81	10.20	8.63
220.8039	8.82	9.18	8.78	9.96	8.87
220.8485	8.77	9.24	8.70	9.67	9.13
220.8930	8.74	9.27	8.78	9.51	9.41
220.9376	8.75	9.42	8.84	9.44	9.57
220.9822	8.72	9.51	8.98	9.32	9.77
221.0267	8.71	9.57	8.99	9.13	10.04
221.0713	8.74	9.52	8.94	8.96	10.37
221.1158	8.80	9.40	9.04	8.73	10.52
221.1604	8.80	9.26	9.12	8.64	10.71
221.2050	8.86	9.22	9.28	8.62	10.89
221.2495	8.96	9.30	9.24	8.63	11.07

221.2941	9.04	9.14	9.19	8.68	11.20
221.3387	8.98	9.06	9.18	8.55	11.43
221.3832	8.92	8.92	9.16	8.45	11.49
221.4278	8.93	8.74	9.19	8.53	11.57
221.4723	8.98	8.70	9.12	8.57	11.61
221.5169	8.99	8.55	9.14	8.52	11.79
221.5615	8.98	8.46	9.24	8.44	11.80
221.6060	8.93	8.32	9.32	8.49	11.76
221.6506	8.71	8.31	9.35	8.64	11.71
221.6951	8.62	8.30	9.33	8.66	11.72
221.7397	8.58	8.29	9.15	8.69	11.63
221.7843	8.72	8.28	9.06	8.80	11.51
221.8288	8.89	8.01	9.06	8.94	11.51
221.8734	8.84	7.86	9.00	8.94	11.48
221.9180	8.83	7.85	8.95	8.98	11.32
221.9625	8.97	8.01	8.92	9.03	11.18
222.0071	9.15	8.03	8.95	9.03	11.05
222.0516	9.24	7.96	8.92	9.09	10.97
222.0962	9.15	8.07	8.94	9.07	10.88
222.1408	9.22	8.21	9.00	9.17	10.68
222.1853	9.38	8.44	8.99	9.25	10.43
222.2299	9.38	8.52	9.09	9.27	10.04
222.2745	9.33	8.44	9.15	9.26	9.59
222.3190	9.38	8.59	9.17	9.39	9.28
222.3636	9.44	8.51	9.16	9.50	8.99
222.4081	9.38	8.44	9.05	9.55	8.86
222.4527	9.37	8.58	9.02	9.53	8.66
222.4973	9.26	8.63	9.07	9.59	8.49
222.5418	9.13	8.72	9.10	9.81	8.31
222.5864	9.08	8.61	9.10	10.03	8.28
222.6309	9.07	8.68	9.15	10.15	8.08
222.6755	9.16	8.70	9.21	10.30	8.02
222.7201	9.24	8.81	9.13	10.46	7.87
222.7646	9.19	8.90	9.00	10.63	7.80
222.8092	9.05	8.89	8.92	10.76	7.66
222.8538	8.95	9.18	8.81	10.99	7.61
222.8983	8.89	9.43	8.66	11.12	7.62
222.9429	8.76	9.59	8.45	11.11	7.62
222.9874	8.51	9.50	8.29	11.17	7.55
223.0320	8.40	9.50	8.26	11.17	7.43
223.0766	8.40	9.65	8.33	11.22	7.38
223.1211	8.50	9.66	8.26	11.36	7.29
223.1657	8.56	9.40	8.28	11.48	7.20
223.2103	8.65	9.29	8.25	11.56	7.20
223.2548	8.57	9.38	8.22	11.62	7.20
223.2994	8.57	9.46	8.17	11.65	7.13
223.3439	8.62	9.52	8.21	11.52	7.15
223.3885	8.70	9.52	8.24	11.39	7.16
223.4331	8.65	9.47	8.19	11.32	7.17
223.4776	8.55	9.54	8.17	11.13	7.20
223.5222	8.55	9.33	8.13	11.03	7.24
223.5667	8.58	9.11	8.01	10.93	7.27
223.6113	8.67	8.90	7.83	11.00	7.34
223.6559	8.72	8.90	7.74	11.00	7.33
223.7004	8.70	8.82	7.80	11.02	7.37
223.7450	8.60	8.70	7.87	11.09	7.53
223.7896	8.58	8.73	7.92	11.01	7.62
223.8341	8.65	8.81	8.04	10.83	7.77
223.8787	8.65	8.88	8.10	10.68	7.94
223.9232	8.60	8.81	8.27	10.54	8.26

223.9678	8.56	8.96	8.49	10.43	8.46
224.0124	8.47	9.22	8.44	10.30	8.60
224.0569	8.58	9.33	8.46	10.16	8.68
224.1015	8.61	9.39	8.55	10.06	8.82
224.1461	8.77	9.30	8.54	10.03	9.04
224.1906	8.78	9.55	8.57	9.91	9.22
224.2352	8.93	9.73	8.63	9.81	9.31
224.2797	9.05	9.70	8.72	9.60	9.48
224.3243	9.12	9.65	8.86	9.41	9.68
224.3689	9.13	9.62	9.09	9.29	9.84
224.4134	9.08	9.74	9.19	9.21	10.10
224.4580	9.08	9.86	9.27	9.04	10.30
224.5025	9.19	9.74	9.43	8.90	10.39
224.5471	9.37	9.61	9.44	8.78	10.62
224.5917	9.42	9.61	9.43	8.71	10.78
224.6362	9.33	9.76	9.50	8.65	10.80
224.6808	9.33	9.89	9.50	8.64	10.89
224.7254	9.40	9.86	9.42	8.53	10.97
224.7699	9.43	9.98	9.35	8.56	11.16
224.8145	9.45	9.97	9.34	8.55	11.36
224.8590	9.38	9.99	9.34	8.54	11.53
224.9036	9.27	10.20	9.39	8.61	11.57
224.9482	9.25	10.35	9.49	8.52	11.57
224.9927	9.19	10.23	9.60	8.44	11.46
225.0373	9.16	10.13	9.62	8.46	11.38
225.0818	9.16	10.24	9.56	8.69	11.30
225.1264	9.13	10.15	9.49	8.77	11.32
225.1710	9.17	10.14	9.42	8.67	11.32
225.2155	9.16	10.14	9.44	8.65	11.27
225.2601	9.07	10.13	9.40	8.70	11.11
225.3047	9.01	10.14	9.45	8.80	11.07
225.3492	9.08	10.15	9.59	8.92	11.08
225.3938	9.13	9.96	9.61	8.96	10.98
225.4383	9.20	9.92	9.67	8.93	10.79
225.4829	9.11	10.14	9.64	8.99	10.44
225.5275	8.97	10.20	9.57	9.05	10.01
225.5720	8.92	10.11	9.51	9.21	9.77
225.6166	8.97	10.11	9.40	9.30	9.59
225.6612	8.93	10.04	9.32	9.41	9.29
225.7057	8.85	10.12	9.27	9.60	9.05
225.7503	8.79	9.96	9.30	9.77	8.75
225.7948	8.68	9.85	9.39	9.96	8.47
225.8394	8.70	9.79	9.35	10.10	8.24
225.8840	8.73	9.77	9.31	10.31	8.05
225.9285	8.73	9.76	9.30	10.54	7.92
225.9731	8.63	9.80	9.19	10.79	7.69
226.0176	8.55	9.81	9.15	10.99	7.52
226.0622	8.52	9.87	9.12	11.08	7.46
226.1068	8.51	9.95	9.17	11.16	7.30
226.1513	8.35	9.89	9.09	11.37	7.09
226.1959	8.23	9.96	8.99	11.55	7.02
226.2405	8.19	9.98	9.00	11.66	6.92
226.2850	8.22	9.94	8.93	11.68	6.70
226.3296	8.30	10.06	8.84	11.68	6.44
226.3741	8.26	9.97	8.86	11.72	6.34
226.4187	8.16	9.71	8.92	11.82	6.21
226.4633	8.16	9.58	9.00	11.90	6.11
226.5078	8.21	9.56	9.11	11.89	6.12
226.5524	8.43	9.76	9.12	11.81	6.11
226.5970	8.47	9.76	9.18	11.77	6.19

226.6415	8.44	9.68	9.22	11.67	6.35
226.6861	8.53	9.57	9.19	11.46	6.45
226.7306	8.62	9.53	9.20	11.30	6.60
226.7752	8.67	9.72	9.20	11.18	6.77
226.8198	8.62	9.83	9.18	11.05	6.97
226.8643	8.54	9.82	9.17	11.01	7.28
226.9089	8.44	9.64	9.24	10.89	7.58
226.9534	8.43	9.65	9.26	10.62	7.92
226.9980	8.49	9.53	9.34	10.33	8.03
227.0426	8.49	9.47	9.47	10.03	8.27
227.0871	8.40	9.41	9.55	10.01	8.49
227.1317	8.42	9.21	9.76	9.89	8.73
227.1763	8.43	9.16	10.02	9.73	8.99
227.2208	8.55	9.10	10.00	9.58	9.18
227.2654	8.64	8.96	10.01	9.42	9.38
227.3099	8.66	8.97	10.06	9.20	9.57
227.3545	8.68	9.00	10.07	9.02	9.76
227.3991	8.77	9.06	10.07	8.79	9.90
227.4436	8.87	8.98	10.11	8.46	10.09
227.4882	8.95	8.93	10.12	8.18	10.23
227.5328	8.84	8.80	10.10	8.05	10.32
227.5773	8.70	8.77	10.17	8.00	10.38
227.6219	8.65	8.72	10.23	7.96	10.46
227.6664	8.70	8.74	10.17	7.95	10.55
227.7110	8.80	8.82	10.22	7.89	10.69
227.7556	8.82	9.02	10.33	7.93	10.79
227.8001	8.75	9.15	10.33	7.99	10.73
227.8447	8.62	9.29	10.23	7.96	10.68
227.8892	8.53	9.38	10.16	7.91	10.58
227.9338	8.43	9.41	10.10	7.79	10.58
227.9784	8.31	9.46	9.97	7.75	10.55
228.0229	8.16	9.55	9.82	7.85	10.56
228.0675	8.08	9.62	9.73	7.91	10.59
228.1121	8.12	9.62	9.72	7.88	10.65
228.1566	8.24	9.61	9.66	7.78	10.53
228.2012	8.29	9.70	9.68	7.78	10.58
228.2457	8.25	9.62	9.63	7.92	10.67
228.2903	8.18	9.33	9.56	7.99	10.66
228.3349	8.27	9.36	9.53	8.06	10.62
228.3794	8.37	9.35	9.44	8.12	10.54
228.4240	8.28	9.34	9.42	8.08	10.43
228.4685	8.17	9.26	9.34	8.14	10.30
228.5131	8.07	9.10	9.24	8.21	10.11
228.5577	8.11	9.05	9.14	8.22	9.86
228.6022	8.30	9.15	9.05	8.17	9.68
228.6468	8.37	9.26	9.08	8.29	9.62
228.6914	8.30	9.31	9.11	8.49	9.53
228.7359	8.30	9.28	9.19	8.68	9.55
228.7805	8.40	9.23	9.18	8.78	9.54
228.8250	8.54	9.03	9.24	8.86	9.43
228.8696	8.70	8.98	9.25	9.07	9.40
228.9142	8.77	9.02	9.19	9.29	9.37
228.9587	8.74	9.05	9.15	9.42	9.32
229.0033	8.80	9.06	9.18	9.50	9.16
229.0479	8.87	9.17	9.21	9.54	8.93
229.0924	8.91	9.36	9.16	9.71	8.85
229.1370	8.84	9.39	9.16	9.96	8.76
229.1815	8.91	9.48	9.25	10.14	8.59
229.2261	9.03	9.35	9.33	10.15	8.50
229.2707	9.28	9.23	9.31	10.28	8.48

229.3152	9.37	9.15	9.44	10.37	8.37
229.3598	9.35	9.03	9.50	10.58	8.28
229.4043	9.33	8.99	9.44	10.71	8.14
229.4489	9.29	8.95	9.54	10.75	7.97
229.4935	9.34	9.00	9.54	10.83	7.77
229.5380	9.43	9.00	9.51	10.97	7.77
229.5826	9.42	8.92	9.52	11.16	7.77
229.6272	9.38	8.89	9.51	11.28	7.80
229.6717	9.42	8.85	9.63	11.26	7.79
229.7163	9.48	8.89	9.67	11.28	7.76
229.7608	9.36	8.90	9.54	11.32	7.68
229.8054	9.26	8.99	9.52	11.57	7.67
229.8500	9.19	9.06	9.54	11.69	7.59
229.8945	9.16	9.13	9.53	11.75	7.61
229.9391	9.13	9.09	9.53	11.75	7.65
229.9837	9.14	9.15	9.45	11.79	7.65
230.0282	9.12	9.19	9.45	11.81	7.73
230.0728	9.20	9.24	9.48	11.86	7.81
230.1173	9.19	9.23	9.51	11.75	7.96
230.1619	9.10	9.14	9.61	11.59	8.10
230.2065	9.05	9.20	9.57	11.40	8.21
230.2510	8.92	9.18	9.59	11.28	8.22
230.2956	8.81	9.13	9.74	11.08	8.27
230.3401	8.84	9.12	9.83	10.92	8.40
230.3847	8.88	8.93	9.84	10.85	8.49
230.4293	8.99	8.76	9.85	10.71	8.60
230.4738	9.01	8.93	9.91	10.55	8.79
230.5184	9.10	8.91	9.91	10.51	8.99
230.5630	9.17	9.01	9.94	10.30	9.14
230.6075	9.26	8.98	9.89	10.09	9.23
230.6521	9.23	8.93	9.89	9.80	9.38
230.6966	9.15	8.84	9.88	9.51	9.72
230.7412	8.98	8.88	9.82	9.34	10.01
230.7858	8.87	9.00	9.83	9.15	10.30
230.8303	8.79	8.95	9.83	8.98	10.35
230.8749	8.79	9.04	9.86	8.78	10.50
230.9195	8.86	9.16	9.81	8.65	10.75
230.9640	8.84	9.16	9.80	8.51	11.01
231.0086	8.83	9.12	9.74	8.41	11.21
231.0531	8.86	9.17	9.66	8.38	11.37
231.0977	8.90	9.26	9.66	8.36	11.54
231.1423	8.82	9.28	9.66	8.34	11.72
231.1868	8.70	9.35	9.70	8.30	11.77
231.2314	8.58	9.37	9.67	8.22	11.72
231.2759	8.60	9.28	9.64	8.10	11.69
231.3205	8.74	9.22	9.52	8.11	11.56
231.3651	8.81	9.04	9.53	8.06	11.42
231.4096	8.81	9.13	9.59	8.09	11.47
231.4542	8.82	9.20	9.59	8.21	11.46
231.4988	8.80	9.18	9.52	8.38	11.44
231.5433	8.91	9.10	9.43	8.48	11.51
231.5879	9.01	9.00	9.34	8.59	11.51
231.6324	9.04	9.36	9.19	8.77	11.40
231.6770	8.87	9.63	9.11	8.91	11.31
231.7216	8.78	9.75	8.95	8.97	11.19
231.7661	8.83	9.65	8.85	9.08	11.07
231.8107	8.84	9.71	8.77	9.28	10.95
231.8552	8.85	9.90	8.71	9.49	10.77
231.8998	8.78	9.96	8.71	9.55	10.40
231.9444	8.78	9.65	8.68	9.66	10.25

231.9889	8.82	9.59	8.73	9.82	10.18
232.0335	9.02	9.59	8.68	9.96	9.98
232.0781	9.09	9.63	8.69	10.12	9.69
232.1226	9.14	9.54	8.66	10.30	9.35
232.1672	9.14	9.45	8.56	10.48	9.17
232.2117	9.21	9.43	8.46	10.51	9.01
232.2563	9.28	9.35	8.29	10.49	8.87
232.3009	9.44	9.18	8.19	10.67	8.70
232.3454	9.49	8.98	8.20	10.91	8.57
232.3900	9.47	8.81	8.15	11.07	8.31
232.4346	9.39	8.84	8.08	11.09	8.07
232.4791	9.41	8.86	8.16	11.11	7.93
232.5237	9.43	8.73	8.20	11.18	7.76
232.5682	9.38	8.63	8.16	11.38	7.65
232.6128	9.40	8.63	8.22	11.50	7.62
232.6574	9.48	8.67	8.25	11.63	7.55
232.7019	9.52	8.73	8.16	11.71	7.37
232.7465	9.47	8.70	8.07	11.78	7.35
232.7910	9.34	8.67	7.99	11.83	7.34
232.8356	9.24	8.61	7.93	11.93	7.28
232.8802	9.22	8.81	7.79	11.99	7.13
232.9247	9.22	8.95	7.74	11.96	7.11
232.9693	9.13	9.19	7.70	11.85	7.04
233.0139	9.03	9.28	7.70	11.90	7.07
233.0584	8.97	9.23	7.73	11.81	7.06
233.1030	8.92	9.35	7.82	11.66	7.11
233.1475	8.86	9.33	7.79	11.66	7.30
233.1921	8.86	9.37	7.82	11.65	7.40
233.2367	8.91	9.31	7.99	11.56	7.43
233.2812	8.90	9.30	8.05	11.42	7.41
233.3258	8.83	9.26	8.08	11.23	7.47
233.3704	8.86	9.24	8.13	10.96	7.53
233.4149	8.84	9.18	8.11	10.75	7.56
233.4595	8.70	9.06	8.19	10.61	7.63
233.5040	8.51	9.00	8.29	10.48	7.78
233.5486	8.45	9.15	8.30	10.24	8.06
233.5932	8.32	9.26	8.38	10.04	8.13
233.6377	8.26	9.26	8.48	9.86	8.30
233.6823	8.25	9.24	8.52	9.73	8.57
233.7268	8.27	9.45	8.59	9.64	8.81
233.7714	8.37	9.81	8.62	9.61	8.95
233.8160	8.42	9.78	8.72	9.42	9.12
233.8605	8.46	9.88	8.80	9.17	9.38
233.9051	8.39	9.80	8.88	9.10	9.55
233.9497	8.29	9.87	9.05	8.91	9.70
233.9942	8.32	10.04	9.10	8.69	9.77
234.0388	8.32	10.11	9.08	8.44	9.96
234.0833	8.30	10.02	9.10	8.26	10.10
234.1279	8.31	9.88	9.18	8.10	10.18
234.1725	8.39	9.76	9.35	8.12	10.21
234.2170	8.45	9.71	9.46	8.11	10.24
234.2616	8.58	9.65	9.50	8.13	10.23
234.3062	8.69	9.60	9.70	8.12	10.36
234.3507	8.68	9.44	9.88	8.07	10.51
234.3953	8.57	9.15	10.02	8.15	10.71
234.4398	8.58	9.02	10.06	8.22	10.82
234.4844	8.61	9.12	10.05	8.14	10.94
234.5290	8.67	8.97	10.04	8.10	11.01
234.5735	8.66	8.91	10.06	8.00	11.16
234.6181	8.70	8.75	10.09	8.11	11.33

234.6626	8.68	8.57	10.14	8.21	11.37
234.7072	8.77	8.60	10.12	8.34	11.31
234.7518	8.88	8.68	10.08	8.42	11.18
234.7963	8.92	8.83	10.06	8.54	11.04
234.8409	8.87	8.83	10.11	8.64	11.07
234.8855	8.75	8.90	10.10	8.81	11.10
234.9300	8.85	8.94	10.06	8.95	11.14
234.9746	9.03	8.92	10.14	9.06	11.04
235.0191	9.14	8.87	10.14	9.22	10.88
235.0637	9.13	8.69	10.10	9.35	10.78
235.1083	9.05	8.71	10.08	9.46	10.67
235.1528	9.16	8.65	10.03	9.55	10.42
235.1974	9.22	8.51	10.08	9.56	10.13
235.2419	9.25	8.53	10.02	9.63	10.06
235.2865	9.20	8.60	9.92	9.79	9.88
235.3311	9.24	8.77	10.03	9.94	9.72
235.3756	9.21	8.76	10.08	10.04	9.48
235.4202	9.25	8.87	10.09	10.07	9.29
235.4648	9.42	8.85	10.13	10.18	9.15
235.5093	9.50	8.74	10.13	10.41	8.89
235.5539	9.47	8.72	10.04	10.65	8.67
235.5984	9.38	8.77	9.90	10.79	8.45
235.6430	9.33	9.16	9.79	10.81	8.14
235.6876	9.23	9.41	9.69	10.93	7.81
235.7321	9.11	9.41	9.54	10.98	7.53
235.7767	9.04	9.29	9.57	11.05	7.37
235.8213	9.01	9.19	9.54	11.08	7.27
235.8658	9.13	9.23	9.46	11.25	7.10
235.9104	9.11	9.27	9.46	11.33	6.91
235.9549	9.04	9.19	9.42	11.40	6.79
235.9995	8.99	9.21	9.29	11.64	6.67
236.0441	9.02	9.26	9.33	11.86	6.53
236.0886	9.01	9.46	9.31	11.99	6.48
236.1332	8.97	9.57	9.25	12.04	6.50
236.1777	8.85	9.49	9.24	12.08	6.31
236.2223	8.73	9.38	9.25	12.09	6.18
236.2669	8.56	9.39	9.15	11.98	6.19
236.3114	8.48	9.39	9.05	11.87	6.30
236.3560	8.49	9.37	8.97	11.74	6.42
236.4006	8.56	9.22	8.93	11.75	6.48
236.4451	8.56	9.16	9.09	11.71	6.54
236.4897	8.49	9.17	9.18	11.64	6.81
236.5342	8.50	9.26	9.23	11.61	7.04
236.5788	8.52	9.40	9.31	11.60	7.14
236.6234	8.55	9.48	9.43	11.44	7.25
236.6679	8.53	9.47	9.48	11.33	7.46
236.7125	8.52	9.60	9.56	11.15	7.85
236.7571	8.57	9.62	9.56	10.86	8.09
236.8016	8.46	9.70	9.47	10.52	8.19
236.8462	8.30	9.77	9.62	10.25	8.40
236.8907	8.24	9.86	9.73	10.07	8.63
236.9353	8.32	9.93	9.75	9.90	8.76
236.9799	8.43	9.92	9.75	9.68	8.90
237.0244	8.50	9.93	9.84	9.35	9.16
237.0690	8.54	9.73	9.91	8.99	9.35
237.1135	8.65	9.70	9.88	8.78	9.52
237.1581	8.63	9.53	9.98	8.54	9.67
237.2027	8.73	9.39	10.00	8.21	9.86
237.2472	8.75	9.26	10.02	7.97	9.99
237.2918	8.70	9.34	10.08	7.75	10.16

237.3364	8.79	9.38	10.14	7.54	10.30
237.3809	8.79	9.34	10.30	7.35	10.47
237.4255	8.81	9.37	10.26	7.26	10.41
237.4700	8.93	9.39	10.21	7.29	10.32
237.5146	8.94	9.46	10.25	7.28	10.29
237.5592	8.84	9.50	10.33	7.29	10.32
237.6037	8.69	9.38	10.46	7.27	10.51
237.6483	8.70	9.32	10.43	7.30	10.60
237.6929	8.70	9.28	10.28	7.27	10.69
237.7374	8.61	9.31	10.30	7.24	10.77
237.7820	8.48	9.52	10.25	7.29	10.68
237.8265	8.35	9.66	10.06	7.44	10.76
237.8711	8.31	9.66	9.90	7.66	10.84
237.9157	8.28	9.60	9.79	7.79	10.83
237.9602	8.31	9.55	9.78	7.97	10.83
238.0048	8.39	9.67	9.68	8.26	10.70
238.0493	8.35	9.61	9.58	8.47	10.55
238.0939	8.36	9.49	9.58	8.52	10.43
238.1385	8.38	9.34	9.55	8.58	10.33
238.1830	8.38	9.44	9.56	8.67	10.18
238.2276	8.49	9.46	9.50	8.83	9.97
238.2722	8.42	9.36	9.43	8.94	9.83
238.3167	8.37	9.39	9.34	8.95	9.61
238.3613	8.43	9.22	9.23	9.02	9.51
238.4058	8.43	9.21	9.27	9.15	9.41
238.4504	8.50	9.33	9.29	9.24	9.34
238.4950	8.57	9.42	9.29	9.42	9.24
238.5395	8.61	9.27	9.26	9.73	9.26
238.5841	8.62	9.21	9.25	9.88	9.24
238.6286	8.59	9.36	9.23	9.97	9.23
238.6732	8.45	9.68	9.19	10.05	9.07
238.7178	8.36	9.83	9.06	10.22	9.11
238.7623	8.34	9.67	8.99	10.48	9.14
238.8069	8.33	9.74	8.96	10.57	9.08
238.8515	8.38	9.78	8.95	10.56	9.00
238.8960	8.35	9.78	9.06	10.62	8.83
238.9406	8.30	9.69	8.92	10.68	8.77
238.9851	8.33	9.54	8.87	10.77	8.71
239.0297	8.39	9.51	8.70	10.82	8.55
239.0743	8.58	9.65	8.50	10.91	8.46
239.1188	8.67	9.74	8.43	10.92	8.44
239.1634	8.73	9.67	8.39	10.92	8.39
239.2080	8.70	9.60	8.49	10.81	8.23
239.2525	8.82	9.57	8.47	10.78	8.04
239.2971	8.86	9.58	8.52	10.78	7.95
239.3416	8.88	9.63	8.60	10.80	8.00
239.3862	8.91	9.71	8.60	10.88	8.08
239.4308	8.94	9.84	8.52	10.89	8.14
239.4753	9.04	9.73	8.55	10.78	8.05
239.5199	9.05	9.63	8.52	10.76	8.01
239.5644	9.07	9.57	8.47	10.84	7.99
239.6090	9.20	9.54	8.56	10.92	7.97
239.6536	9.25	9.78	8.63	10.86	7.93
239.6981	9.35	9.87	8.76	10.70	7.90
239.7427	9.40	9.72	8.83	10.49	7.96
239.7873	9.48	9.58	8.95	10.40	8.04
239.8318	9.46	9.62	9.02	10.37	8.08
239.8764	9.44	9.79	9.08	10.34	8.18
239.9209	9.39	9.94	9.10	10.38	8.27
239.9655	9.40	9.97	9.05	10.38	8.43

240.0101	9.33	9.95	9.05	10.37	8.60
240.0546	9.34	9.78	9.08	10.30	8.79
240.0992	9.39	9.62	9.02	10.24	8.87
240.1438	9.44	9.48	9.02	10.19	8.93
240.1883	9.41	9.43	9.04	10.11	9.14
240.2329	9.18	9.33	9.11	10.08	9.45
240.2774	9.07	9.07	9.21	9.91	9.69
240.3220	8.97	9.11	9.34	9.77	9.86
240.3666	9.02	8.94	9.43	9.58	9.98
240.4111	9.04	9.02	9.43	9.45	10.12
240.4557	9.11	9.07	9.50	9.30	10.35
240.5002	9.12	9.05	9.49	9.17	10.49
240.5448	9.06	9.01	9.38	9.08	10.64
240.5894	8.95	9.03	9.41	9.06	10.77
240.6339	8.88	8.99	9.43	8.96	10.81
240.6785	8.79	8.99	9.47	8.90	10.92
240.7231	8.76	8.89	9.63	8.79	11.11
240.7676	8.64	8.88	9.76	8.67	11.26
240.8122	8.48	9.06	9.80	8.61	11.31
240.8567	8.41	9.13	9.79	8.52	11.33
240.9013	8.44	9.06	9.79	8.50	11.28
240.9459	8.51	9.24	9.78	8.47	11.32
240.9904	8.50	9.36	9.68	8.42	11.37
241.0350	8.49	9.48	9.49	8.37	11.25
241.0795	8.64	9.50	9.37	8.32	11.14
241.1241	8.73	9.45	9.40	8.28	11.13
241.1687	8.76	9.42	9.41	8.22	11.00
241.2132	8.76	9.58	9.27	8.15	11.00
241.2578	8.69	9.55	9.19	8.19	10.99
241.3024	8.72	9.54	9.16	8.22	10.79
241.3469	8.73	9.61	9.14	8.30	10.62
241.3915	8.73	9.58	9.11	8.48	10.52
241.4360	8.61	9.65	9.08	8.78	10.47
241.4806	8.64	9.87	9.06	8.98	10.37
241.5252	8.55	9.93	9.10	9.09	10.23
241.5697	8.58	10.00	9.09	9.20	10.10
241.6143	8.57	9.91	9.03	9.42	10.03
241.6589	8.61	9.72	8.96	9.61	9.89
241.7034	8.62	9.74	8.75	9.72	9.79
241.7480	8.66	9.88	8.56	9.79	9.71
241.7925	8.72	10.04	8.38	9.92	9.59
241.8371	8.84	9.93	8.34	10.00	9.46
241.8817	9.00	9.82	8.43	10.22	9.30
241.9262	9.03	9.70	8.41	10.39	9.07
241.9708	9.15	9.62	8.47	10.48	8.74
242.0153	9.20	9.43	8.50	10.61	8.54
242.0599	9.28	9.08	8.56	10.69	8.27
242.1045	9.27	8.92	8.52	10.87	8.01
242.1490	9.28	8.84	8.40	10.97	7.84
242.1936	9.29	8.69	8.45	11.09	7.79
242.2382	9.32	8.47	8.47	11.11	7.66
242.2827	9.30	8.24	8.40	11.26	7.52
242.3273	9.30	8.21	8.34	11.40	7.45
242.3718	9.29	8.10	8.28	11.46	7.34
242.4164	9.41	7.89	8.23	11.56	7.13
242.4610	9.53	7.87	8.27	11.48	7.06
242.5055	9.59	7.97	8.25	11.44	6.97
242.5501	9.63	8.17	8.30	11.46	6.92
242.5947	9.61	8.07	8.46	11.55	6.92
242.6392	9.62	8.15	8.62	11.54	7.07

242.6838	9.59	8.38	8.75	11.59	7.15
242.7283	9.61	8.62	8.73	11.64	7.22
242.7729	9.51	8.58	8.70	11.74	7.25
242.8175	9.49	8.60	8.64	11.80	7.24
242.8620	9.49	8.75	8.56	11.83	7.32
242.9066	9.41	8.84	8.57	11.76	7.44
242.9511	9.38	8.94	8.67	11.72	7.56
242.9957	9.28	8.83	8.81	11.69	7.59
243.0403	9.15	8.93	8.90	11.62	7.68
243.0848	9.12	9.18	8.99	11.53	7.76
243.1294	9.13	9.28	9.13	11.44	7.92
243.1740	9.10	9.21	9.19	11.33	8.05
243.2185	9.05	9.14	9.18	11.16	8.23
243.2631	9.11	9.04	9.13	11.05	8.48
243.3076	9.14	9.03	9.14	10.92	8.61
243.3522	9.21	9.08	9.26	10.75	8.74
243.3968	9.25	8.98	9.26	10.58	8.85
243.4413	9.13	9.01	9.30	10.33	9.02
243.4859	9.02	9.10	9.37	10.22	9.19
243.5305	8.96	9.19	9.39	10.01	9.28
243.5750	8.98	9.31	9.46	9.74	9.48
243.6196	8.93	9.52	9.37	9.59	9.68
243.6641	8.91	9.54	9.32	9.42	9.85
243.7087	8.87	9.53	9.37	9.15	10.05
243.7533	8.85	9.62	9.45	8.84	10.21
243.7978	8.85	9.62	9.44	8.67	10.30
243.8424	8.77	9.79	9.43	8.50	10.38
243.8869	8.74	9.97	9.41	8.42	10.50
243.9315	8.69	10.05	9.37	8.37	10.60
243.9761	8.52	9.88	9.40	8.15	10.71
244.0206	8.51	9.82	9.38	7.95	10.74
244.0652	8.51	9.57	9.42	7.85	10.84
244.1098	8.47	9.42	9.39	7.81	11.01
244.1543	8.43	9.21	9.41	7.83	11.18
244.1989	8.41	9.13	9.42	7.84	11.36
244.2434	8.35	9.18	9.36	7.77	11.41
244.2880	8.28	8.99	9.28	7.83	11.53
244.3326	8.29	8.98	9.19	7.90	11.61
244.3771	8.30	8.91	9.15	7.98	11.50
244.4217	8.32	8.88	9.16	8.07	11.38
244.4662	8.36	8.80	9.12	8.05	11.29
244.5108	8.31	8.76	9.09	7.98	11.22
244.5554	8.24	8.67	9.11	8.04	11.21
244.5999	8.27	8.63	9.19	8.22	11.10
244.6445	8.21	8.57	9.24	8.33	10.99
244.6891	8.28	8.47	9.31	8.38	10.74
244.7336	8.40	8.52	9.37	8.52	10.66
244.7782	8.43	8.79	9.30	8.70	10.50
244.8227	8.50	8.95	9.31	8.86	10.22
244.8673	8.56	9.10	9.28	9.08	9.91
244.9119	8.65	9.19	9.24	9.34	9.54
244.9564	8.69	9.39	9.24	9.48	9.35
245.0010	8.65	9.59	9.22	9.51	9.20
245.0456	8.54	9.86	9.14	9.58	9.08
245.0901	8.50	9.79	9.08	9.75	8.92
245.1347	8.52	9.48	9.06	9.91	8.73
245.1792	8.57	9.33	9.11	10.03	8.46
245.2238	8.58	9.42	9.08	10.14	8.16
245.2684	8.66	9.46	9.08	10.39	7.89
245.3129	8.68	9.47	9.12	10.59	7.71

245.3575	8.73	9.44	9.16	10.66	7.52
245.4020	8.77	9.45	9.19	10.79	7.34
245.4466	8.86	9.67	9.04	10.89	7.12
245.4912	8.94	9.90	8.88	11.03	7.07
245.5357	8.87	9.96	8.71	11.06	7.10
245.5803	8.83	9.98	8.64	10.98	7.02
245.6249	8.87	10.12	8.75	10.89	6.78
245.6694	8.91	10.27	8.78	10.89	6.62
245.7140	9.00	10.40	8.70	10.96	6.45
245.7585	8.99	10.33	8.67	11.05	6.33
245.8031	9.19	10.29	8.79	11.15	6.28
245.8477	9.30	10.28	8.75	11.18	6.13
245.8922	9.22	10.32	8.68	11.19	6.16
245.9368	9.19	10.16	8.58	11.19	6.22
245.9814	9.16	10.08	8.69	11.26	6.28
246.0259	9.25	10.07	8.80	11.35	6.42
246.0705	9.23	10.08	8.74	11.33	6.45
246.1150	9.12	10.05	8.82	11.29	6.49
246.1596	8.94	10.08	8.85	11.21	6.55
246.2042	8.86	10.10	8.97	11.22	6.73
246.2487	8.78	10.10	8.95	11.24	6.84
246.2933	8.75	9.94	8.94	11.20	7.05
246.3378	8.72	10.09	8.93	11.30	7.39
246.3824	8.62	10.10	8.88	11.33	7.64
246.4270	8.47	10.02	8.97	11.28	7.91
246.4715	8.39	9.96	9.08	11.10	8.18
246.5161	8.36	9.93	9.15	10.92	8.28
246.5607	8.37	9.95	9.14	10.87	8.65
246.6052	8.37	9.95	9.14	10.76	8.92
246.6498	8.35	10.03	9.02	10.67	9.13
246.6943	8.27	10.04	9.09	10.46	9.21
246.7389	8.28	9.94	9.10	10.22	9.38
246.7835	8.26	9.84	9.01	9.98	9.50
246.8280	8.32	9.70	9.03	9.75	9.69
246.8726	8.40	9.89	9.16	9.58	10.05
246.9172	8.45	10.07	9.39	9.36	10.28
246.9617	8.58	9.96	9.50	9.06	10.39
247.0063	8.58	9.78	9.52	8.80	10.41
247.0508	8.53	9.75	9.50	8.56	10.44
247.0954	8.61	9.87	9.55	8.36	10.52
247.1400	8.66	9.67	9.62	8.22	10.60
247.1845	8.72	9.44	9.68	8.03	10.67
247.2291	8.81	9.23	9.68	7.86	10.71
247.2736	8.80	8.89	9.65	7.75	10.74
247.3182	8.80	8.83	9.74	7.66	10.79
247.3628	8.79	8.82	9.82	7.60	10.94
247.4073	8.85	8.93	9.81	7.49	11.05
247.4519	8.88	8.95	9.81	7.41	11.12
247.4965	8.92	9.06	9.89	7.44	11.18
247.5410	8.89	9.17	9.95	7.47	11.18
247.5856	8.84	9.42	10.06	7.57	11.31
247.6301	8.79	9.74	10.12	7.71	11.41
247.6747	8.72	9.79	10.24	7.84	11.30
247.7193	8.63	9.89	10.23	7.96	11.33
247.7638	8.57	9.97	10.20	8.14	11.21
247.8084	8.58	9.95	10.26	8.25	11.34
247.8529	8.67	9.97	10.34	8.38	11.17
247.8975	8.64	10.02	10.34	8.53	10.90
247.9421	8.56	9.98	10.33	8.63	10.65
247.9866	8.52	9.87	10.50	8.81	10.47

248.0312	8.55	9.86	10.62	9.05	10.22
248.0758	8.61	9.69	10.67	9.26	10.01
248.1203	8.75	9.60	10.56	9.45	9.78
248.1649	8.82	9.58	10.55	9.65	9.64
248.2094	8.87	9.49	10.39	9.75	9.50
248.2540	8.91	9.43	10.29	9.96	9.32
248.2986	8.88	9.24	10.30	10.12	9.18
248.3431	8.85	9.18	10.24	10.34	9.13
248.3877	8.74	9.22	10.32	10.54	8.96
248.4323	8.68	9.19	10.39	10.61	8.63
248.4768	8.57	9.17	10.37	10.73	8.45
248.5214	8.53	9.05	10.32	10.94	8.20
248.5659	8.53	8.98	10.25	11.02	7.96
248.6105	8.65	8.94	10.07	11.13	7.78
248.6551	8.69	8.96	9.97	11.26	7.58
248.6996	8.74	8.98	9.95	11.38	7.40
248.7442	8.73	9.11	9.86	11.51	7.31
248.7887	8.81	9.13	9.74	11.58	7.20
248.8333	8.81	9.15	9.56	11.50	7.16
248.8779	8.83	9.11	9.54	11.45	7.09
248.9224	8.74	9.15	9.45	11.33	6.87
248.9670	8.74	9.21	9.31	11.22	6.76
249.0116	8.80	9.14	9.21	11.21	6.73
249.0561	8.89	9.08	9.19	11.16	6.83
249.1007	8.92	9.07	9.14	11.13	6.87
249.1452	8.91	9.00	9.10	11.15	6.86
249.1898	8.92	8.95	9.12	11.05	6.95
249.2344	9.03	8.97	9.01	10.93	7.11
249.2789	9.11	9.04	8.89	10.83	7.20
249.3235	9.13	8.93	8.79	10.75	7.31
249.3681	9.05	8.71	8.85	10.57	7.31
249.4126	8.96	8.52	8.88	10.52	7.50
249.4572	8.94	8.60	8.95	10.31	7.69
249.5017	8.87	8.57	8.98	10.14	7.97
249.5463	8.92	8.51	8.99	10.01	8.32
249.5909	8.96	8.51	9.04	9.94	8.61
249.6354	8.96	8.64	9.07	9.90	8.88
249.6800	8.92	8.60	9.05	9.79	9.08
249.7245	8.98	8.76	8.98	9.60	9.28
249.7691	8.99	8.86	8.97	9.52	9.52
249.8137	9.02	8.77	8.97	9.47	9.81
249.8582	9.06	8.70	8.99	9.36	10.13
249.9028	9.06	8.61	9.06	9.17	10.33
249.9474	9.18	8.60	9.04	9.03	10.44
249.9919	9.09	8.68	9.04	8.91	10.49
250.0365	8.97	8.69	8.95	8.76	10.59
250.0810	8.87	8.79	8.91	8.57	10.74
250.1256	8.91	8.96	8.98	8.45	10.79
250.1702	8.96	9.10	9.03	8.34	10.92
250.2147	8.94	8.92	9.11	8.35	11.04
250.2593	8.86	8.79	9.15	8.44	11.19
250.3039	8.80	8.80	9.31	8.42	11.28
250.3484	8.83	8.87	9.36	8.50	11.35
250.3930	8.79	8.81	9.35	8.52	11.52
250.4375	8.75	8.65	9.31	8.48	11.64
250.4821	8.82	8.61	9.31	8.43	11.70
250.5267	8.77	8.57	9.34	8.35	11.62
250.5712	8.76	8.64	9.33	8.36	11.64
250.6158	8.75	8.63	9.35	8.31	11.64
250.6603	8.79	8.67	9.37	8.23	11.55

250.7049	8.78	8.70	9.55	8.38	11.44
250.7495	8.88	8.82	9.56	8.46	11.36
250.7940	8.98	8.81	9.58	8.44	11.21
250.8386	8.91	8.74	9.68	8.42	11.03
250.8832	8.86	8.87	9.67	8.49	10.82
250.9277	8.85	8.97	9.69	8.53	10.71
250.9723	8.82	8.94	9.63	8.59	10.62
251.0168	8.80	8.97	9.53	8.81	10.34
251.0614	8.82	9.00	9.39	8.87	10.08
251.1060	8.88	8.92	9.26	8.91	10.08
251.1505	8.93	8.82	9.26	9.05	10.07
251.1951	8.85	8.72	9.31	9.24	9.92
251.2396	8.93	8.82	9.32	9.35	9.72
251.2842	9.03	8.97	9.27	9.47	9.51
251.3288	9.12	9.17	9.34	9.60	9.46
251.3733	9.09	9.11	9.35	9.65	9.45
251.4179	9.03	9.24	9.37	9.71	9.43
251.4625	8.97	9.55	9.35	9.82	9.19
251.5070	8.81	9.65	9.23	10.04	8.97
251.5516	8.82	9.57	9.19	10.24	8.78
251.5961	8.79	9.46	9.23	10.34	8.57
251.6407	8.60	9.60	9.15	10.50	8.44
251.6853	8.47	9.58	9.01	10.66	8.24
251.7298	8.59	9.35	8.95	10.74	8.04
251.7744	8.66	9.29	8.98	10.81	7.89
251.8190	8.73	9.34	9.07	10.90	7.75
251.8635	8.79	9.45	9.11	11.06	7.88
251.9081	8.86	9.37	9.07	11.17	7.94
251.9526	9.05	9.20	9.06	11.18	7.88
251.9972	9.26	9.14	9.06	11.14	7.70
252.0418	9.46	9.17	8.99	11.06	7.57
252.0863	9.45	8.96	8.96	11.05	7.52
252.1309	9.40	8.64	8.90	11.15	7.41
252.1754	9.39	8.57	8.84	11.11	7.44
252.2200	9.32	8.64	8.77	11.05	7.57
252.2646	9.28	8.66	8.68	11.21	7.65
252.3091	9.13	8.52	8.67	11.33	7.68
252.3537	8.98	8.44	8.71	11.38	7.75
252.3983	8.92	8.36	8.72	11.50	7.83
252.4428	8.94	8.49	8.83	11.54	7.85
252.4874	9.00	8.62	8.87	11.59	7.97
252.5319	9.01	8.85	8.96	11.72	8.13
252.5765	8.98	8.94	9.02	11.78	8.29
252.6211	9.01	9.09	9.02	11.71	8.40
252.6656	9.04	9.32	9.05	11.63	8.59
252.7102	9.04	9.57	9.13	11.56	8.69
252.7548	9.07	9.64	9.05	11.46	8.76
252.7993	9.12	9.65	8.94	11.38	8.85
252.8439	9.18	9.62	8.90	11.17	8.82
252.8884	9.26	9.58	8.88	11.02	8.83
252.9330	9.29	9.56	8.87	10.97	8.83
252.9776	9.25	9.52	8.97	11.00	8.82
253.0221	9.22	9.62	8.98	11.06	8.91
253.0667	9.23	9.72	9.01	11.06	9.00
253.1112	9.17	9.78	9.05	10.98	9.12
253.1558	9.14	9.80	9.01	10.82	9.17
253.2004	9.06	9.78	8.97	10.51	9.24
253.2449	9.00	9.74	8.92	10.36	9.42
253.2895	9.04	9.58	8.92	10.18	9.65
253.3341	9.07	9.52	8.91	9.97	9.86

253.3786	9.00	9.45	9.02	9.84	10.04
253.4232	8.99	9.46	9.17	9.72	10.31
253.4677	9.01	9.43	9.29	9.64	10.45
253.5123	9.16	9.36	9.24	9.52	10.48
253.5569	9.20	9.50	9.25	9.40	10.61
253.6014	9.20	9.49	9.30	9.28	10.66
253.6460	9.16	9.52	9.36	9.15	10.58
253.6906	9.04	9.42	9.46	8.97	10.59
253.7351	8.88	9.37	9.48	8.73	10.72
253.7797	8.86	9.57	9.48	8.54	10.87
253.8242	8.82	9.82	9.49	8.39	11.02
253.8688	8.71	9.92	9.47	8.34	11.10
253.9134	8.63	9.85	9.53	8.25	11.20
253.9579	8.67	9.72	9.47	8.17	11.24
254.0025	8.82	9.68	9.46	8.12	11.24
254.0470	8.96	9.67	9.43	8.17	11.21
254.0916	8.98	9.66	9.55	8.15	11.19
254.1362	8.89	9.53	9.60	8.18	11.18
254.1807	8.82	9.55	9.61	8.23	11.16
254.2253	8.78	9.41	9.60	8.15	11.04
254.2699	8.62	9.28	9.43	8.17	10.99
254.3144	8.51	9.37	9.33	8.14	10.83
254.3590	8.47	9.34	9.21	8.27	10.52
254.4035	8.52	9.34	9.10	8.37	10.38
254.4481	8.62	9.28	8.98	8.48	10.14
254.4927	8.71	9.21	9.01	8.71	9.85
254.5372	8.78	9.26	9.04	8.87	9.57
254.5818	8.82	9.47	9.06	9.11	9.32
254.6263	8.78	9.56	9.02	9.22	9.24
254.6709	8.82	9.64	8.91	9.32	9.17
254.7155	8.89	9.67	8.87	9.33	8.96
254.7600	8.85	9.70	8.77	9.45	8.71
254.8046	8.77	9.68	8.68	9.55	8.47
254.8492	8.57	9.71	8.70	9.63	8.26
254.8937	8.64	9.73	8.65	9.86	7.93
254.9383	8.70	9.84	8.56	10.13	7.81
254.9828	8.76	9.75	8.49	10.34	7.55
255.0274	8.76	9.72	8.46	10.60	7.35
255.0720	8.60	9.63	8.43	10.83	7.25
255.1165	8.53	9.66	8.39	11.01	7.14
255.1611	8.40	9.66	8.44	11.07	7.06
255.2057	8.36	9.59	8.55	11.11	7.09
255.2502	8.35	9.62	8.61	11.07	7.01
255.2948	8.44	9.66	8.69	11.15	6.91
255.3393	8.41	9.62	8.67	11.12	6.87
255.3839	8.35	9.62	8.71	11.01	6.84
255.4285	8.38	9.62	8.69	11.04	6.83
255.4730	8.47	9.75	8.65	11.07	6.84
255.5176	8.49	9.64	8.65	11.09	6.86
255.5621	8.57	9.41	8.69	11.13	6.80
255.6067	8.59	9.30	8.83	10.99	6.84
255.6513	8.68	9.46	8.98	10.85	6.83
255.6958	8.76	9.49	9.20	10.66	6.83
255.7404	8.73	9.31	9.33	10.59	6.90
255.7850	8.66	9.14	9.49	10.61	6.86
255.8295	8.75	9.22	9.61	10.64	6.92
255.8741	8.73	9.28	9.75	10.49	6.94
255.9186	8.72	9.18	9.77	10.41	6.99
255.9632	8.67	9.05	9.70	10.37	7.10
256.0078	8.72	8.93	9.65	10.35	7.33

256.0523	8.71	8.75	9.60	10.30	7.49
256.0969	8.72	8.61	9.60	10.23	7.77
256.1415	8.71	8.47	9.64	10.22	8.04
256.1860	8.63	8.62	9.52	10.26	8.42
256.2306	8.45	8.65	9.50	10.27	8.64
256.2751	8.46	8.63	9.56	10.22	8.77
256.3197	8.49	8.66	9.59	10.08	8.91
256.3643	8.43	8.65	9.57	10.11	9.10
256.4088	8.34	8.66	9.59	10.10	9.24
256.4534	8.35	8.67	9.70	9.98	9.39
256.4979	8.39	8.76	9.69	9.82	9.37
256.5425	8.36	8.81	9.65	9.79	9.44
256.5871	8.27	8.77	9.63	9.69	9.51
256.6316	8.18	8.74	9.63	9.59	9.64
256.6762	8.24	8.85	9.61	9.53	9.75
256.7208	8.39	8.97	9.70	9.34	9.86
256.7653	8.52	8.97	9.82	9.11	10.01
256.8099	8.67	8.95	9.83	8.98	10.20
256.8544	8.65	8.91	9.93	8.89	10.14
256.8990	8.67	9.04	10.11	8.80	10.17
256.9436	8.74	9.15	10.15	8.61	10.23
256.9881	8.74	9.07	10.20	8.39	10.38
257.0327	8.77	9.00	10.19	8.28	10.45
257.0773	8.81	9.18	10.29	8.22	10.59
257.1218	8.79	9.41	10.37	8.12	10.67
257.1664	8.79	9.48	10.48	7.99	10.61
257.2109	8.85	9.40	10.48	7.85	10.63
257.2555	8.82	9.35	10.45	7.83	10.70
257.3001	8.80	9.36	10.39	7.85	10.72
257.3446	8.88	9.49	10.33	7.95	10.84
257.3892	8.94	9.40	10.25	8.04	10.89
257.4337	9.08	9.20	10.20	8.08	10.87
257.4783	9.02	9.34	10.14	8.06	10.92
257.5229	8.81	9.47	10.11	8.05	11.05
257.5674	8.74	9.61	10.03	8.14	11.12
257.6120	8.86	9.64	10.02	8.38	11.01
257.6566	8.93	9.68	9.99	8.50	10.85
257.7011	8.96	9.74	9.97	8.53	10.69
257.7457	8.95	9.82	9.91	8.62	10.56
257.7902	8.86	9.94	9.77	8.72	10.45
257.8348	8.80	9.98	9.82	8.82	10.33
257.8794	8.85	10.07	9.73	9.05	10.04
257.9239	8.88	9.86	9.74	9.29	9.76
257.9685	8.93	9.84	9.77	9.58	9.58
258.0130	8.87	9.78	9.84	9.79	9.36
258.0576	8.73	9.75	9.75	9.86	9.09
258.1022	8.76	9.56	9.65	9.99	8.72
258.1467	8.99	9.39	9.62	10.26	8.51
258.1913	9.07	9.29	9.49	10.42	8.31
258.2359	9.02	9.39	9.34	10.64	8.14
258.2804	8.91	9.45	9.24	10.92	8.05
258.3250	8.87	9.40	9.20	11.03	7.82
258.3695	8.81	9.37	9.15	11.14	7.64
258.4141	8.86	9.41	9.12	11.33	7.49
258.4587	8.87	9.41	9.16	11.43	7.30
258.5032	8.82	9.33	9.05	11.59	7.18
258.5478	8.92	9.41	8.95	11.67	7.10
258.5924	9.00	9.36	8.93	11.67	6.99
258.6369	9.02	9.36	8.93	11.72	6.84
258.6815	8.99	9.49	8.86	11.93	6.72

258.7260	8.82	9.55	8.84	11.99	6.68
258.7706	8.82	9.57	8.78	11.97	6.63
258.8152	8.90	9.55	8.79	11.87	6.62
258.8597	8.92	9.58	8.93	11.78	6.55
258.9043	8.96	9.75	8.93	11.74	6.55
258.9488	8.97	9.94	8.97	11.72	6.60
258.9934	9.04	9.88	9.00	11.71	6.60
259.0380	9.06	9.77	9.07	11.52	6.75
259.0825	9.11	9.75	9.11	11.47	7.00
259.1271	9.12	9.76	9.13	11.45	7.27
259.1717	9.02	9.79	9.14	11.36	7.57
259.2162	9.03	9.71	9.11	11.19	7.77
259.2608	8.92	9.68	8.95	10.81	7.93
259.3053	8.89	9.53	8.83	10.53	8.07
259.3499	8.84	9.47	8.73	10.27	8.24
259.3945	8.76	9.46	8.66	10.12	8.55
259.4390	8.74	9.46	8.64	9.99	8.97
259.4836	8.77	9.62	8.70	9.77	9.29
259.5282	8.83	9.61	8.81	9.60	9.53
259.5727	8.85	9.50	9.02	9.43	9.78
259.6173	8.87	9.43	9.08	9.27	10.08
259.6618	8.89	9.56	9.14	9.12	10.30
259.7064	8.94	9.84	9.10	8.92	10.44
259.7510	9.00	9.87	8.92	8.66	10.55
259.7955	8.98	9.86	8.86	8.46	10.68
259.8401	8.91	9.89	8.91	8.32	10.98
259.8846	8.87	9.96	8.95	8.15	11.26
259.9292	8.84	9.96	8.96	7.95	11.44
259.9738	8.79	9.84	8.94	7.83	11.61
260.0183	8.77	9.82	9.02	7.80	11.85
260.0629	8.74	9.82	9.12	7.81	12.03
260.1075	8.73	9.78	9.17	7.90	12.09
260.1520	8.66	9.51	9.22	7.81	12.21
260.1966	8.63	9.54	9.19	7.67	12.19
260.2411	8.66	9.64	9.25	7.65	12.25
260.2857	8.58	9.54	9.20	7.75	12.30
260.3303	8.60	9.46	9.07	7.80	12.27
260.3748	8.56	9.38	9.09	7.81	12.19
260.4194	8.59	9.44	9.01	7.82	12.07
260.4639	8.54	9.47	8.87	7.87	11.86
260.5085	8.54	9.16	8.88	7.88	11.70
260.5531	8.63	9.01	8.88	7.94	11.54
260.5976	8.78	9.06	8.87	8.09	11.33
260.6422	8.98	9.10	8.93	8.11	11.07
260.6868	8.97	8.99	9.02	8.17	10.89
260.7313	8.86	8.89	9.00	8.31	10.76
260.7759	8.83	9.09	9.08	8.48	10.48
260.8204	8.98	9.26	9.01	8.63	10.27
260.8650	9.07	9.21	8.91	8.80	10.13
260.9096	9.04	9.06	8.81	8.95	9.92
260.9541	8.95	9.18	8.77	9.13	9.72
260.9987	8.92	9.31	8.78	9.26	9.40
261.0433	8.86	9.50	8.75	9.39	9.19
261.0878	8.76	9.42	8.66	9.54	9.03
261.1324	8.74	9.34	8.60	9.76	8.95
261.1769	8.68	9.26	8.64	10.01	8.77
261.2215	8.67	9.12	8.62	10.30	8.60
261.2661	8.70	9.00	8.59	10.49	8.55
261.3106	8.79	9.05	8.60	10.65	8.52
261.3552	8.86	9.01	8.65	10.96	8.55

261.3997	8.85	9.00	8.71	11.25	8.54
261.4443	8.88	8.97	8.75	11.42	8.49
261.4889	8.88	8.99	8.69	11.53	8.40
261.5334	8.76	9.00	8.55	11.55	8.30
261.5780	8.71	9.22	8.37	11.57	8.14
261.6226	8.59	9.23	8.36	11.56	8.10
261.6671	8.51	9.11	8.35	11.63	7.92
261.7117	8.59	9.04	8.30	11.68	7.80
261.7562	8.84	9.01	8.30	11.65	7.81
261.8008	8.97	9.16	8.35	11.64	7.77
261.8454	9.03	9.26	8.43	11.74	7.71
261.8899	9.12	9.17	8.49	11.80	7.73
261.9345	9.18	9.14	8.60	11.71	7.69
261.9791	9.27	9.28	8.67	11.64	7.65
262.0236	9.38	9.26	8.64	11.56	7.62
262.0682	9.38	9.26	8.66	11.33	7.69
262.1127	9.35	9.24	8.77	11.17	7.70
262.1573	9.33	9.09	8.80	11.04	7.70
262.2019	9.35	9.04	8.83	10.92	7.73
262.2464	9.39	9.01	8.87	10.92	7.82
262.2910	9.22	8.95	8.92	10.94	7.95
262.3355	9.14	9.16	8.97	10.90	8.11
262.3801	9.15	9.21	8.89	10.83	8.25
262.4247	9.16	9.15	8.92	10.78	8.34
262.4692	9.08	9.15	8.87	10.56	8.31
262.5138	9.07	9.25	8.84	10.47	8.37
262.5584	9.01	9.23	8.93	10.43	8.52
262.6029	8.93	9.10	8.90	10.24	8.57
262.6475	8.89	9.12	8.96	10.01	8.55
262.6920	8.90	9.31	8.91	9.84	8.64
262.7366	8.92	9.24	8.83	9.74	8.72
262.7812	8.96	9.20	8.80	9.70	8.74
262.8257	8.84	9.16	8.91	9.49	8.87
262.8703	8.87	9.28	9.05	9.36	9.01
262.9149	8.91	9.47	9.10	9.27	9.17
262.9594	8.91	9.34	9.18	9.26	9.34
263.0040	8.77	9.18	9.23	9.15	9.61
263.0485	8.78	9.09	9.24	9.17	9.78
263.0931	8.77	9.26	9.18	9.14	9.89
263.1377	8.72	9.25	9.13	9.07	10.09
263.1822	8.62	9.28	9.13	8.97	10.20
263.2268	8.53	9.11	9.15	8.87	10.30
263.2713	8.56	9.11	9.22	8.84	10.30
263.3159	8.61	9.15	9.43	8.79	10.36
263.3605	8.57	9.10	9.59	8.65	10.48
263.4050	8.50	9.04	9.70	8.65	10.67
263.4496	8.48	9.13	9.81	8.68	10.74
263.4942	8.62	9.28	9.81	8.62	10.77
263.5387	8.80	9.15	9.86	8.54	10.80
263.5833	8.95	9.12	9.89	8.68	10.90
263.6278	9.05	9.22	9.77	8.71	10.92
263.6724	9.01	9.29	9.91	8.74	10.88
263.7170	8.95	9.49	10.04	8.69	10.78
263.7615	8.96	9.34	9.96	8.68	10.71
263.8061	9.02	9.25	9.97	8.69	10.63
263.8506	9.11	9.39	9.93	8.69	10.61
263.8952	9.18	9.51	9.94	8.63	10.65
263.9398	9.18	9.42	10.00	8.57	10.55
263.9843	9.25	9.36	9.91	8.60	10.35
264.0289	9.28	9.33	9.89	8.77	10.22

264.0735	9.29	9.37	9.89	8.95	10.05
264.1180	9.39	9.43	9.97	9.12	9.98
264.1626	9.44	9.39	9.98	9.29	9.84
264.2071	9.40	9.30	9.94	9.35	9.79
264.2517	9.33	9.28	9.90	9.49	9.70
264.2963	9.26	9.18	9.76	9.69	9.49
264.3408	9.15	9.26	9.67	9.81	9.41
264.3854	9.05	9.31	9.67	9.98	9.42
264.4300	8.99	9.22	9.71	10.12	9.29
264.4745	8.99	9.15	9.62	10.11	9.08
264.5191	9.02	9.13	9.56	10.21	8.82
264.5636	9.04	9.28	9.51	10.42	8.53
264.6082	8.99	9.42	9.47	10.71	8.24
264.6528	8.98	9.28	9.41	11.00	8.05
264.6973	8.96	9.27	9.28	11.13	7.85
264.7419	9.00	9.32	9.14	11.19	7.77
264.7864	9.03	9.49	9.04	11.26	7.65
264.8310	9.04	9.51	8.98	11.32	7.50
264.8756	8.98	9.48	8.89	11.33	7.37
264.9201	8.88	9.45	8.79	11.39	7.28
264.9647	8.83	9.38	8.78	11.42	7.24
265.0093	8.75	9.45	8.71	11.48	7.19
265.0538	8.65	9.53	8.66	11.60	7.14
265.0984	8.66	9.44	8.64	11.72	7.20
265.1429	8.82	9.26	8.71	11.80	7.19
265.1875	8.89	9.12	8.82	11.74	7.26
265.2321	8.78	9.12	8.85	11.61	7.28
265.2766	8.64	9.14	8.91	11.61	7.35
265.3212	8.58	9.14	9.00	11.53	7.26
265.3658	8.61	9.08	9.02	11.47	7.26
265.4103	8.61	9.02	9.04	11.34	7.32
265.4549	8.57	9.13	9.02	11.12	7.37
265.4994	8.46	9.26	8.99	10.98	7.30
265.5440	8.43	9.09	9.03	10.88	7.27
265.5886	8.52	8.96	9.05	10.76	7.31
265.6331	8.66	8.94	9.21	10.52	7.42
265.6777	8.75	8.94	9.34	10.30	7.57
265.7222	8.70	9.03	9.42	9.99	7.84
265.7668	8.57	9.03	9.39	9.78	8.14
265.8114	8.57	8.97	9.27	9.70	8.42
265.8559	8.60	9.06	9.18	9.58	8.61
265.9005	8.64	9.17	9.10	9.43	8.67
265.9451	8.54	9.22	9.13	9.38	8.63
265.9896	8.46	9.30	9.22	9.24	8.61
266.0342	8.39	9.35	9.33	9.08	8.71
266.0787	8.37	9.40	9.49	8.95	8.79
266.1233	8.38	9.62	9.59	8.91	8.81
266.1679	8.28	9.74	9.62	8.83	8.95
266.2124	8.19	9.78	9.53	8.81	9.08
266.2570	8.11	9.86	9.45	8.83	9.31
266.3016	8.15	9.79	9.44	8.72	9.51
266.3461	8.32	9.81	9.51	8.66	9.67
266.3907	8.33	9.87	9.50	8.69	9.75
266.4352	8.24	9.93	9.58	8.62	9.87
266.4798	8.30	10.04	9.60	8.44	9.89
266.5244	8.30	9.90	9.50	8.41	10.01
266.5689	8.25	10.01	9.52	8.39	10.09
266.6135	8.17	10.12	9.51	8.34	10.18
266.6580	8.13	10.18	9.68	8.38	10.30
266.7026	8.08	10.16	9.69	8.48	10.36

266.7472	8.16	10.13	9.72	8.58	10.40
266.7917	8.34	9.98	9.79	8.60	10.32
266.8363	8.40	9.78	9.85	8.60	10.26
266.8809	8.39	9.75	9.86	8.61	10.18
266.9254	8.40	9.79	9.77	8.55	10.27
266.9700	8.37	9.72	9.68	8.47	10.34
267.0145	8.32	9.72	9.58	8.46	10.37
267.0591	8.31	9.62	9.46	8.45	10.45
267.1037	8.30	9.48	9.50	8.40	10.65
267.1482	8.33	9.54	9.49	8.32	10.65
267.1928	8.40	9.61	9.53	8.27	10.63
267.2373	8.55	9.59	9.53	8.37	10.64
267.2819	8.74	9.41	9.43	8.54	10.60
267.3265	8.78	9.31	9.36	8.70	10.49
267.3710	8.78	9.12	9.44	8.89	10.25
267.4156	8.74	9.11	9.34	8.97	10.14
267.4602	8.72	9.08	9.26	9.03	9.96
267.5047	8.69	8.96	9.23	9.17	9.77
267.5493	8.76	8.88	9.14	9.30	9.62
267.5938	8.74	8.86	9.13	9.35	9.39
267.6384	8.72	8.93	8.99	9.40	9.12
267.6830	8.69	8.90	8.90	9.49	8.99
267.7275	8.69	9.00	8.71	9.59	8.95
267.7721	8.81	9.15	8.68	9.76	8.78
267.8167	8.94	9.22	8.72	10.01	8.68
267.8612	9.02	9.43	8.80	10.26	8.61
267.9058	9.05	9.49	8.89	10.45	8.55
267.9503	9.09	9.53	8.87	10.50	8.51
267.9949	9.08	9.58	8.83	10.63	8.37
268.0395	9.05	9.60	8.74	10.75	8.15
268.0840	9.07	9.50	8.59	10.88	7.97
268.1286	9.03	9.40	8.49	10.96	7.82
268.1731	8.96	9.48	8.45	10.96	7.75
268.2177	8.90	9.66	8.40	10.99	7.60
268.2623	8.88	9.84	8.45	11.14	7.50
268.3068	8.91	9.89	8.55	11.27	7.37
268.3514	8.94	9.93	8.54	11.31	7.34
268.3960	9.03	9.90	8.68	11.46	7.31
268.4405	9.07	9.90	8.80	11.51	7.36
268.4851	8.98	9.91	8.95	11.50	7.38
268.5296	8.97	9.99	8.94	11.59	7.30
268.5742	9.02	10.09	8.95	11.52	7.26
268.6188	9.01	10.11	9.12	11.52	7.35
268.6633	8.98	10.03	9.25	11.53	7.45
268.7079	8.96	9.87	9.35	11.46	7.51
268.7525	8.97	9.81	9.51	11.48	7.56
268.7970	9.05	9.98	9.59	11.42	7.56
268.8416	9.07	9.87	9.63	11.28	7.44
268.8861	9.00	9.77	9.69	11.21	7.47
268.9307	9.02	9.52	9.77	11.21	7.64
268.9753	9.14	9.42	9.94	11.16	7.79
269.0198	9.11	9.55	10.02	11.02	8.00
269.0644	9.16	9.60	10.08	10.83	8.15
269.1089	9.10	9.51	10.20	10.73	8.34
269.1535	9.07	9.39	10.30	10.65	8.67
269.1981	9.05	9.42	10.25	10.52	9.02
269.2426	9.15	9.31	10.18	10.36	9.28
269.2872	9.28	9.23	10.11	10.21	9.51
269.3318	9.26	8.97	10.12	10.09	9.76
269.3763	9.17	8.78	10.21	9.92	9.91

269.4209	9.10	8.71	10.29	9.74	10.19
269.4654	9.17	8.48	10.26	9.58	10.43
269.5100	9.23	8.39	10.27	9.38	10.57
269.5546	9.27	8.46	10.24	9.21	10.87
269.5991	9.20	8.50	10.27	8.99	11.10
269.6437	9.16	8.50	10.35	8.78	11.16
269.6883	9.17	8.42	10.39	8.62	11.29
269.7328	9.23	8.56	10.39	8.41	11.37
269.7774	9.17	8.58	10.28	8.38	11.49
269.8219	9.12	8.64	10.28	8.41	11.65
269.8665	9.13	8.67	10.33	8.39	11.75
269.9111	9.12	8.82	10.21	8.29	11.85
269.9556	9.11	8.89	10.19	8.17	12.00
270.0002	9.10	8.90	10.18	8.12	12.11
270.0447	9.02	8.91	10.20	8.08	12.13
270.0893	8.99	8.99	10.28	8.07	12.18
270.1339	8.93	9.02	10.36	8.06	12.14
270.1784	8.92	8.96	10.30	8.04	12.11
270.2230	8.91	8.78	10.20	8.04	12.02
270.2676	8.87	8.69	10.09	8.06	11.92
270.3121	8.78	8.76	9.95	8.14	11.77
270.3567	8.75	8.78	9.77	8.19	11.65
270.4012	8.79	8.63	9.48	8.20	11.37
270.4458	8.81	8.47	9.38	8.20	11.02
270.4904	8.81	8.38	9.24	8.31	10.83
270.5349	8.83	8.42	9.22	8.41	10.63
270.5795	8.87	8.47	9.29	8.53	10.41
270.6240	8.93	8.46	9.33	8.59	10.25
270.6686	8.91	8.49	9.37	8.76	9.88
270.7132	8.83	8.65	9.36	9.02	9.75
270.7577	8.81	8.70	9.21	9.26	9.62
270.8023	8.78	8.54	9.15	9.46	9.44
270.8469	8.85	8.52	9.08	9.55	9.23
270.8914	8.79	8.64	8.92	9.70	8.99
270.9360	8.69	8.63	8.93	9.87	8.83
270.9805	8.59	8.50	8.93	10.05	8.71
271.0251	8.55	8.47	8.78	10.26	8.65
271.0697	8.51	8.42	8.69	10.50	8.52
271.1142	8.51	8.52	8.66	10.75	8.31
271.1588	8.44	8.66	8.63	10.99	8.14
271.2034	8.44	8.69	8.59	11.09	7.90
271.2479	8.50	8.72	8.50	11.20	7.76
271.2925	8.64	8.80	8.38	11.29	7.66
271.3370	8.78	8.78	8.42	11.39	7.62
271.3816	8.77	8.60	8.47	11.55	7.58
271.4262	8.77	8.66	8.44	11.67	7.59
271.4707	8.84	8.62	8.47	11.69	7.55
271.5153	8.80	8.63	8.44	11.63	7.40
271.5598	8.79	8.70	8.41	11.58	7.22
271.6044	8.88	8.86	8.43	11.59	7.18
271.6490	9.01	9.06	8.52	11.70	7.20
271.6935	9.10	9.13	8.55	11.76	7.12
271.7381	9.02	9.12	8.46	11.67	7.00
271.7827	9.03	9.20	8.49	11.59	6.94
271.8272	9.03	9.28	8.60	11.51	6.99
271.8718	9.01	9.30	8.54	11.47	7.19
271.9163	8.97	9.17	8.63	11.31	7.30
271.9609	9.01	9.15	8.78	11.13	7.44
272.0055	9.10	9.20	8.71	11.01	7.50
272.0500	9.11	9.38	8.71	10.79	7.62

272.0946	9.08	9.35	8.80	10.54	7.79
272.1392	9.12	9.11	8.83	10.35	7.94
272.1837	9.18	8.98	8.84	10.30	8.11
272.2283	9.34	8.93	8.81	10.18	8.34
272.2728	9.36	9.11	8.85	9.89	8.55
272.3174	9.28	9.13	8.82	9.67	8.77
272.3620	9.17	8.98	8.76	9.56	8.86
272.4065	9.08	8.99	8.85	9.47	8.92
272.4511	8.99	9.08	8.91	9.16	8.86
272.4956	9.07	9.13	8.93	8.97	8.84
272.5402	9.16	9.08	8.94	8.97	9.00
272.5848	9.16	9.11	8.90	8.95	9.25
272.6293	9.11	8.98	8.82	8.81	9.44
272.6739	9.12	9.06	8.85	8.68	9.55
272.7185	9.17	9.10	8.86	8.51	9.81
272.7630	9.12	9.22	8.89	8.51	10.08
272.8076	9.05	9.31	8.97	8.48	10.26
272.8521	8.96	9.23	9.12	8.43	10.47
272.8967	8.89	9.24	9.30	8.36	10.58
272.9413	8.89	9.32	9.33	8.25	10.76
272.9858	8.71	9.32	9.35	8.17	10.96
273.0304	8.62	9.45	9.29	8.28	11.19
273.0750	8.51	9.51	9.28	8.45	11.35
273.1195	8.38	9.55	9.31	8.56	11.54
273.1641	8.33	9.54	9.35	8.61	11.62
273.2086	8.29	9.56	9.38	8.68	11.66
273.2532	8.21	9.39	9.38	8.72	11.63
273.2978	8.20	9.30	9.42	8.73	11.61
273.3423	8.23	9.25	9.48	8.77	11.55
273.3869	8.30	9.13	9.59	8.80	11.46
273.4314	8.35	9.26	9.58	8.80	11.44
273.4760	8.35	9.32	9.54	8.87	11.46
273.5206	8.29	9.31	9.44	8.89	11.48
273.5651	8.40	9.42	9.38	8.94	11.39
273.6097	8.57	9.61	9.31	8.93	11.24
273.6543	8.65	9.87	9.34	9.00	11.20
273.6988	8.65	9.93	9.31	9.15	11.00
273.7434	8.67	9.84	9.17	9.26	10.71
273.7879	8.56	9.80	9.26	9.38	10.42
273.8325	8.45	9.83	9.40	9.44	10.11
273.8771	8.40	9.89	9.46	9.53	9.86
273.9216	8.45	10.01	9.54	9.63	9.67
273.9662	8.56	10.07	9.71	9.76	9.42
274.0107	8.67	10.08	9.77	9.88	9.29
274.0553	8.76	9.93	9.86	9.94	9.25
274.0999	8.85	10.06	9.90	10.10	9.21
274.1444	8.98	10.29	9.84	10.31	8.99
274.1890	9.09	10.39	9.71	10.50	8.62
274.2336	9.16	10.26	9.61	10.59	8.39
274.2781	9.25	10.13	9.56	10.68	8.19
274.3227	9.31	10.20	9.55	10.69	8.01
274.3672	9.29	10.10	9.67	10.66	7.77
274.4118	9.31	10.04	9.70	10.74	7.53
274.4564	9.29	9.89	9.68	10.84	7.38
274.5009	9.35	9.67	9.65	10.95	7.26
274.5455	9.39	9.53	9.58	11.13	7.26
274.5901	9.38	9.45	9.54	11.25	7.14
274.6346	9.35	9.48	9.42	11.40	7.06
274.6792	9.37	9.59	9.36	11.58	6.95
274.7237	9.43	9.67	9.32	11.72	6.81

274.7683	9.38	9.70	9.26	11.77	6.73
274.8129	9.31	9.91	9.12	11.84	6.90
274.8574	9.26	9.90	9.06	11.80	7.10
274.9020	9.22	9.80	9.07	11.85	7.22
274.9465	9.27	9.75	9.03	11.92	7.25
274.9911	9.25	9.56	9.02	11.81	7.27
275.0357	9.15	9.40	8.97	11.78	7.38
275.0802	9.09	9.34	8.97	11.77	7.39
275.1248	9.06	9.31	9.03	11.78	7.30
275.1694	9.07	9.32	9.11	11.72	7.30
275.2139	9.02	9.40	9.15	11.60	7.30
275.2585	8.95	9.32	9.14	11.55	7.28
275.3030	8.81	9.18	9.06	11.34	7.49
275.3476	8.73	9.20	8.98	11.11	7.68
275.3922	8.67	9.17	9.03	10.92	7.88
275.4367	8.76	9.25	8.95	10.71	8.04
275.4813	8.79	9.34	8.93	10.46	8.17
275.5259	8.69	9.40	8.89	10.32	8.24
275.5704	8.64	9.43	8.86	10.14	8.39
275.6150	8.64	9.37	8.95	9.94	8.46
275.6595	8.71	9.47	8.98	9.85	8.39
275.7041	8.67	9.61	8.94	9.67	8.57
275.7487	8.50	9.60	8.94	9.40	8.74
275.7932	8.49	9.66	8.89	9.12	8.92
275.8378	8.47	9.79	8.91	8.80	9.12
275.8823	8.39	9.76	9.02	8.56	9.43
275.9269	8.39	9.72	9.08	8.45	9.61
275.9715	8.38	9.91	9.07	8.36	9.68
276.0160	8.34	10.08	9.07	8.27	9.69
276.0606	8.34	10.18	9.16	8.20	9.81
276.1052	8.31	10.10	9.22	8.10	9.94
276.1497	8.28	9.97	9.25	8.07	10.01
276.1943	8.32	10.07	9.34	8.10	10.16
276.2388	8.28	10.16	9.43	8.09	10.27
276.2834	8.13	10.18	9.39	7.98	10.37
276.3280	8.09	10.17	9.41	7.90	10.48
276.3725	8.07	10.10	9.42	7.93	10.61
276.4171	8.09	10.04	9.35	7.96	10.64
276.4617	8.09	9.99	9.39	7.97	10.62
276.5062	8.06	9.89	9.38	8.10	10.58
276.5508	8.07	9.78	9.32	8.27	10.53
276.5953	8.11	9.60	9.36	8.32	10.44
276.6399	8.08	9.44	9.29	8.37	10.38
276.6845	8.14	9.34	9.22	8.39	10.43
276.7290	8.22	9.43	9.13	8.43	10.45
276.7736	8.37	9.34	9.18	8.48	10.42
276.8181	8.40	9.34	9.09	8.46	10.35
276.8627	8.38	9.24	8.98	8.53	10.29
276.9073	8.34	9.07	8.94	8.64	10.13
276.9518	8.42	9.01	9.00	8.75	10.00
276.9964	8.45	8.87	9.07	8.86	9.73
277.0410	8.51	8.76	9.05	8.97	9.50
277.0855	8.52	8.69	9.13	9.09	9.35
277.1301	8.63	8.67	9.35	9.20	9.08
277.1746	8.71	8.52	9.56	9.22	8.94
277.2192	8.76	8.37	9.58	9.25	8.82
277.2638	8.83	8.33	9.59	9.29	8.76
277.3083	8.91	8.37	9.58	9.36	8.60
277.3529	8.93	8.31	9.62	9.44	8.43
277.3974	8.98	8.26	9.65	9.65	8.28

277.4420	8.99	8.29	9.70	9.75	8.15
277.4866	9.02	8.28	9.58	9.90	7.96
277.5311	9.04	8.24	9.39	10.10	7.91
277.5757	9.05	8.38	9.36	10.22	7.84
277.6203	8.95	8.57	9.35	10.28	7.74
277.6648	8.96	8.63	9.32	10.41	7.66
277.7094	8.91	8.67	9.27	10.52	7.62
277.7539	8.74	8.70	9.20	10.64	7.59
277.7985	8.64	8.90	9.28	10.85	7.53
277.8431	8.58	9.10	9.33	10.98	7.40
277.8876	8.69	9.23	9.36	11.04	7.32
277.9322	8.82	9.29	9.34	11.05	7.36
277.9768	8.86	9.44	9.21	11.06	7.32
278.0213	8.88	9.53	9.05	11.16	7.31
278.0659	8.92	9.54	9.06	11.22	7.33
278.1104	8.92	9.57	9.03	11.31	7.23
278.1550	8.94	9.55	9.10	11.18	7.29
278.1996	8.92	9.63	9.09	11.13	7.47
278.2441	8.87	9.75	9.02	11.04	7.51
278.2887	8.86	9.68	9.12	10.91	7.47
278.3332	8.91	9.80	9.26	10.81	7.55
278.3778	8.99	9.82	9.30	10.86	7.67
278.4224	8.99	9.75	9.22	10.92	7.77
278.4669	8.94	9.63	9.19	10.82	7.77
278.5115	8.87	9.79	9.19	10.73	7.84
278.5561	8.87	9.78	9.11	10.70	8.03
278.6006	8.92	9.63	9.03	10.65	8.17
278.6452	8.97	9.69	8.97	10.57	8.37
278.6897	8.99	9.66	8.96	10.39	8.58
278.7343	8.90	9.58	9.01	10.24	8.78
278.7789	8.79	9.56	9.03	10.07	8.94
278.8234	8.86	9.51	9.11	9.95	9.15
278.8680	8.81	9.54	9.24	9.89	9.42
278.9126	8.82	9.44	9.34	9.98	9.65
278.9571	8.80	9.42	9.30	10.00	9.94
279.0017	8.83	9.29	9.34	9.94	10.14
279.0462	8.86	9.22	9.30	9.85	10.20
279.0908	8.89	9.20	9.25	9.77	10.42
279.1354	8.94	9.09	9.23	9.61	10.65
279.1799	8.95	8.93	9.29	9.47	10.78
279.2245	8.80	8.89	9.37	9.35	10.89
279.2690	8.76	8.99	9.50	9.19	10.96
279.3136	8.74	9.04	9.59	9.01	11.01
279.3582	8.80	8.94	9.67	8.95	11.07
279.4027	8.88	8.74	9.84	8.83	11.19
279.4473	9.12	8.80	9.96	8.77	11.25
279.4919	9.28	9.03	9.94	8.82	11.18
279.5364	9.34	9.04	9.97	8.88	11.24
279.5810	9.42	8.96	9.93	8.84	11.33
279.6255	9.41	8.97	9.93	8.81	11.40
279.6701	9.29	9.13	9.91	8.81	11.41
279.7147	9.26	9.26	9.90	8.68	11.40
279.7592	9.22	9.23	9.85	8.55	11.35
279.8038	9.21	9.26	9.69	8.59	11.40
279.8483	9.16	9.46	9.61	8.59	11.31
279.8929	9.11	9.50	9.52	8.56	11.24
279.9375	9.10	9.46	9.41	8.57	11.17
279.9820	9.10	9.47	9.33	8.73	11.09
280.0266	9.26	9.70	9.23	8.80	11.01
280.0712	9.35	9.88	9.11	8.82	11.05

280.1157	9.25	9.86	9.17	8.85	11.03
280.1603	9.17	9.82	9.22	8.87	10.92
280.2048	9.13	9.85	9.23	8.92	10.81
280.2494	9.05	9.94	9.22	8.94	10.74
280.2940	9.01	9.80	9.20	8.95	10.53
280.3385	9.10	9.68	9.13	9.03	10.31
280.3831	9.11	9.61	9.03	9.11	10.05
280.4277	9.08	9.61	8.88	9.22	9.86
280.4722	9.07	9.68	8.87	9.34	9.69
280.5168	9.13	9.74	8.85	9.42	9.49
280.5613	9.23	9.88	8.89	9.63	9.24
280.6059	9.18	9.87	8.88	9.86	9.14
280.6505	9.06	9.91	8.80	9.93	9.05
280.6950	9.04	9.85	8.81	9.95	8.92
280.7396	9.12	9.80	8.76	10.02	8.70
280.7841	9.07	9.67	8.70	10.14	8.47
280.8287	8.99	9.59	8.60	10.29	8.27
280.8733	8.95	9.64	8.52	10.48	8.06
280.9178	8.86	9.67	8.56	10.64	7.93
280.9624	8.85	9.62	8.54	10.80	7.82
281.0070	8.77	9.55	8.39	10.84	7.76
281.0515	8.73	9.54	8.30	11.00	7.68
281.0961	8.81	9.63	8.32	11.29	7.55
281.1406	8.81	9.65	8.43	11.43	7.51
281.1852	8.76	9.69	8.39	11.42	7.46
281.2298	8.80	9.58	8.33	11.44	7.40
281.2743	8.72	9.46	8.26	11.55	7.26
281.3189	8.70	9.50	8.13	11.62	7.12
281.3635	8.64	9.72	8.07	11.66	7.07
281.4080	8.55	9.69	8.00	11.61	7.07
281.4526	8.46	9.53	8.06	11.52	7.07
281.4971	8.40	9.34	8.11	11.49	7.20
281.5417	8.33	9.28	8.14	11.44	7.25
281.5863	8.31	9.38	8.22	11.42	7.28
281.6308	8.40	9.42	8.34	11.44	7.29
281.6754	8.49	9.38	8.49	11.39	7.48
281.7199	8.50	9.38	8.38	11.19	7.68
281.7645	8.47	9.35	8.19	11.20	7.74
281.8091	8.54	9.44	8.15	11.07	7.94
281.8536	8.60	9.43	8.18	10.96	8.09
281.8982	8.63	9.42	8.17	10.81	8.23
281.9428	8.61	9.39	8.23	10.63	8.42
281.9873	8.63	9.23	8.32	10.34	8.61
282.0319	8.70	9.07	8.35	10.12	8.84
282.0764	8.82	8.89	8.54	9.92	9.10
282.1210	9.03	8.81	8.78	9.71	9.25
282.1656	9.10	8.77	8.91	9.57	9.33
282.2101	9.14	8.80	8.95	9.39	9.47
282.2547	9.09	8.75	9.03	9.10	9.61
282.2993	9.15	8.60	9.16	8.88	9.86
282.3438	9.19	8.79	9.28	8.81	10.09
282.3884	9.23	8.93	9.39	8.72	10.33
282.4329	9.30	8.94	9.42	8.49	10.58
282.4775	9.35	8.77	9.44	8.36	10.79
282.5221	9.23	8.82	9.49	8.22	10.96
282.5666	9.15	8.95	9.61	8.10	11.11
282.6112	9.12	8.97	9.77	8.09	11.22
282.6557	9.09	8.99	9.85	8.18	11.33
282.7003	9.11	8.96	9.91	8.15	11.46
282.7449	9.06	9.07	9.95	8.12	11.65

282.7894	8.93	9.02	10.03	8.16	11.69
282.8340	8.79	8.85	10.00	8.20	11.78
282.8786	8.79	8.83	9.89	8.27	11.78
282.9231	8.80	8.94	9.87	8.36	11.80
282.9677	8.69	9.06	9.91	8.36	11.88
283.0122	8.71	9.18	9.88	8.34	11.81
283.0568	8.60	9.26	9.76	8.32	11.79
283.1014	8.55	9.25	9.65	8.31	11.79
283.1459	8.56	9.12	9.51	8.33	11.67
283.1905	8.57	9.19	9.54	8.39	11.55
283.2350	8.60	9.29	9.55	8.50	11.36
283.2796	8.64	9.37	9.49	8.61	11.17
283.3242	8.72	9.23	9.57	8.63	10.88
283.3687	8.76	9.05	9.58	8.73	10.57
283.4133	8.74	9.01	9.62	8.91	10.22
283.4579	8.73	9.26	9.63	9.11	9.83
283.5024	8.64	9.39	9.56	9.22	9.59
283.5470	8.58	9.39	9.52	9.34	9.37
283.5915	8.62	9.43	9.41	9.45	9.14
283.6361	8.63	9.39	9.41	9.58	9.06
283.6807	8.61	9.39	9.39	9.65	8.92
283.7252	8.53	9.45	9.30	9.75	8.71
283.7698	8.53	9.44	9.26	9.87	8.58
283.8144	8.55	9.35	9.28	10.04	8.52
283.8589	8.42	9.41	9.19	10.21	8.37
283.9035	8.45	9.47	9.21	10.34	8.24
283.9480	8.50	9.69	9.29	10.40	8.14
283.9926	8.56	9.63	9.28	10.42	7.98
284.0372	8.57	9.53	9.20	10.43	7.78
284.0817	8.53	9.48	9.14	10.48	7.62
284.1263	8.51	9.37	9.18	10.58	7.51
284.1708	8.54	9.31	9.20	10.64	7.36
284.2154	8.65	9.18	9.17	10.76	7.15
284.2600	8.82	9.08	9.19	10.81	6.95
284.3045	8.93	9.01	9.32	10.93	6.85
284.3491	9.06	9.06	9.35	11.05	6.85
284.3937	9.20	9.21	9.40	11.00	6.84
284.4382	9.34	9.30	9.47	10.98	6.73
284.4828	9.40	9.28	9.53	10.98	6.73
284.5273	9.40	9.16	9.45	11.03	6.92
284.5719	9.37	9.13	9.41	11.02	7.15
284.6165	9.32	9.15	9.44	10.96	7.15
284.6610	9.25	9.05	9.46	10.90	7.05
284.7056	9.14	8.93	9.51	10.91	7.07
284.7502	9.10	8.93	9.42	11.11	7.18
284.7947	9.12	9.03	9.46	11.31	7.24
284.8393	9.17	9.05	9.56	11.43	7.26
284.8838	9.13	9.08	9.60	11.45	7.35
284.9284	9.03	8.94	9.62	11.52	7.39
284.9730	8.95	8.91	9.60	11.48	7.52
285.0175	8.90	8.94	9.62	11.39	7.66
285.0621	8.89	9.03	9.66	11.23	7.83
285.1066	8.84	9.17	9.59	11.12	8.01
285.1512	8.77	9.20	9.59	11.02	8.22
285.1958	8.73	9.06	9.69	10.84	8.38
285.2403	8.73	9.04	9.62	10.65	8.50
285.2849	8.79	9.18	9.51	10.56	8.56
285.3295	8.86	9.30	9.52	10.53	8.75
285.3740	8.93	9.28	9.59	10.43	8.86
285.4186	8.95	9.22	9.69	10.26	8.99

285.4631	8.94	9.25	9.71	10.10	9.12
285.5077	8.86	9.37	9.68	9.90	9.28
285.5523	8.80	9.43	9.75	9.65	9.37
285.5968	8.66	9.51	9.79	9.37	9.44
285.6414	8.60	9.55	9.81	9.21	9.49
285.6860	8.58	9.55	9.90	9.06	9.53
285.7305	8.59	9.58	9.81	8.92	9.69
285.7751	8.58	9.58	9.74	8.81	9.79
285.8196	8.65	9.56	9.72	8.72	9.97
285.8642	8.73	9.49	9.78	8.67	10.14
285.9088	8.72	9.48	9.89	8.59	10.24
285.9533	8.74	9.46	10.00	8.46	10.41
285.9979	8.75	9.44	9.98	8.31	10.43
286.0424	8.78	9.53	9.92	8.22	10.43
286.0870	8.68	9.55	9.98	8.14	10.37
286.1316	8.59	9.51	10.00	8.02	10.23
286.1761	8.55	9.56	10.01	8.02	10.13
286.2207	8.56	9.64	9.84	8.07	10.15
286.2653	8.58	9.67	9.66	8.17	10.14
286.3098	8.50	9.52	9.62	8.16	10.09
286.3544	8.45	9.40	9.66	8.19	10.14
286.3989	8.43	9.40	9.56	8.27	10.21
286.4435	8.38	9.53	9.44	8.30	10.27
286.4881	8.37	9.66	9.40	8.37	10.34
286.5326	8.28	9.61	9.40	8.46	10.47
286.5772	8.30	9.58	9.41	8.63	10.41
286.6217	8.30	9.41	9.44	8.73	10.34
286.6663	8.31	9.35	9.51	8.90	10.31
286.7109	8.29	9.40	9.52	9.08	10.22
286.7554	8.33	9.53	9.43	9.29	10.06
286.8000	8.36	9.48	9.38	9.46	9.94
286.8446	8.30	9.37	9.40	9.46	9.82
286.8891	8.35	9.49	9.33	9.60	9.70
286.9337	8.40	9.53	9.21	9.67	9.53
286.9782	8.45	9.45	9.18	9.80	9.33
287.0228	8.50	9.40	9.28	10.03	9.17
287.0674	8.57	9.25	9.39	10.10	8.92
287.1119	8.70	9.27	9.43	10.20	8.69
287.1565	8.87	9.27	9.37	10.28	8.53
287.2011	8.89	9.14	9.39	10.43	8.33
287.2456	8.93	9.04	9.45	10.54	8.14
287.2902	9.07	9.14	9.38	10.64	8.00
287.3347	9.18	8.97	9.36	10.69	7.88
287.3793	9.12	8.87	9.28	10.72	7.81
287.4239	9.14	8.86	9.19	10.83	7.71
287.4684	9.13	9.05	9.22	10.92	7.47
287.5130	9.15	9.18	9.12	11.09	7.27
287.5575	9.22	9.32	9.01	11.27	7.24
287.6021	9.23	9.36	8.96	11.36	7.28
287.6467	9.21	9.44	8.95	11.49	7.31
287.6912	9.09	9.53	8.88	11.75	7.24
287.7358	9.02	9.55	8.96	11.73	7.14
287.7804	9.04	9.53	8.94	11.71	7.15
287.8249	9.04	9.58	8.83	11.71	7.19
287.8695	8.94	9.57	8.76	11.65	7.24
287.9140	8.83	9.45	8.76	11.49	7.23
287.9586	8.77	9.38	8.79	11.37	7.30
288.0032	8.74	9.32	8.70	11.38	7.32
288.0477	8.78	9.43	8.64	11.37	7.53
288.0923	8.84	9.42	8.66	11.24	7.72

288.1369	8.83	9.27	8.76	11.27	7.87
288.1814	8.82	9.15	8.83	11.24	8.07
288.2260	8.97	9.03	8.93	11.08	8.12
288.2705	9.01	9.15	8.98	10.87	8.22
288.3151	9.05	9.23	9.03	10.60	8.30
288.3597	8.96	9.31	9.10	10.42	8.50
288.4042	8.72	9.40	9.08	10.18	8.71
288.4488	8.52	9.36	9.00	9.92	8.83
288.4933	8.46	9.28	8.93	9.75	9.03
288.5379	8.54	9.21	8.80	9.58	9.27
288.5825	8.54	9.29	8.68	9.43	9.44
288.6270	8.44	9.40	8.64	9.23	9.65
288.6716	8.47	9.34	8.65	9.07	9.88
288.7162	8.49	9.33	8.69	8.88	10.20
288.7607	8.56	9.39	8.77	8.79	10.25
288.8053	8.58	9.56	8.90	8.73	10.45
288.8498	8.41	9.68	9.16	8.66	10.75
288.8944	8.39	9.64	9.26	8.58	10.90
288.9390	8.35	9.49	9.36	8.44	10.99
288.9835	8.39	9.47	9.39	8.28	11.06
289.0281	8.44	9.57	9.31	8.21	10.96
289.0727	8.39	9.41	9.22	8.22	10.85
289.1172	8.43	9.38	9.26	8.09	10.86
289.1618	8.45	9.41	9.31	7.89	10.90
289.2063	8.51	9.41	9.32	7.81	10.83
289.2509	8.50	9.42	9.20	7.81	10.87
289.2955	8.54	9.37	9.15	7.92	10.98
289.3400	8.67	9.46	9.31	7.99	11.06
289.3846	8.73	9.47	9.40	8.08	11.07
289.4291	8.86	9.51	9.52	8.17	11.11
289.4737	9.01	9.34	9.52	8.10	10.99
289.5183	9.10	9.29	9.54	8.16	10.89
289.5628	9.11	9.41	9.47	8.23	10.83
289.6074	9.18	9.49	9.36	8.32	10.76
289.6520	9.13	9.50	9.33	8.45	10.70
289.6965	8.98	9.38	9.24	8.58	10.65
289.7411	8.99	9.28	9.19	8.73	10.61
289.7856	9.04	9.19	9.23	8.88	10.53
289.8302	9.09	9.17	9.20	9.06	10.46
289.8748	9.17	9.14	9.24	9.29	10.38
289.9193	9.31	9.11	9.32	9.51	10.23
289.9639	9.39	9.11	9.36	9.72	10.15
290.0084	9.34	9.12	9.30	9.92	10.07
290.0530	9.23	9.20	9.33	10.04	10.01
290.0976	9.16	9.20	9.46	10.01	9.88
290.1421	9.21	9.24	9.55	10.08	9.82
290.1867	9.27	9.34	9.59	10.16	9.84
290.2313	9.30	9.23	9.54	10.19	9.80
290.2758	9.35	9.11	9.46	10.31	9.58
290.3204	9.42	9.10	9.49	10.36	9.44
290.3649	9.49	8.99	9.54	10.40	9.29
290.4095	9.55	8.93	9.54	10.55	9.20
290.4541	9.66	9.00	9.58	10.73	9.04
290.4986	9.74	9.12	9.56	10.86	8.87
290.5432	9.77	9.05	9.53	10.93	8.72
290.5878	9.70	9.04	9.54	10.93	8.63
290.6323	9.57	8.81	9.55	10.91	8.35
290.6769	9.47	8.85	9.48	10.97	8.21
290.7214	9.40	8.99	9.34	11.06	8.18
290.7660	9.37	8.83	9.22	11.15	8.19

290.8106	9.40	8.64	9.24	11.20	8.12
290.8551	9.31	8.54	9.23	11.35	8.01
290.8997	9.17	8.37	9.17	11.51	7.95
290.9442	9.12	8.28	9.08	11.61	7.96
290.9888	9.19	8.20	9.06	11.67	7.86
291.0334	9.17	8.03	9.06	11.62	7.67
291.0779	9.05	7.97	8.99	11.60	7.63
291.1225	8.91	8.12	8.90	11.65	7.61
291.1671	8.81	8.31	8.85	11.65	7.51
291.2116	8.87	8.43	8.86	11.64	7.44
291.2562	8.86	8.55	8.96	11.61	7.31
291.3007	8.85	8.59	9.01	11.56	7.26
291.3453	8.79	8.62	9.11	11.57	7.32
291.3899	8.78	8.72	9.19	11.52	7.42
291.4344	8.78	8.93	9.15	11.47	7.46
291.4790	8.76	9.04	9.16	11.40	7.63
291.5236	8.71	9.09	9.21	11.32	7.69
291.5681	8.59	9.08	9.28	11.17	7.86
291.6127	8.49	9.10	9.29	10.99	8.17
291.6572	8.50	9.27	9.25	10.81	8.44
291.7018	8.56	9.40	9.27	10.59	8.73
291.7464	8.64	9.28	9.24	10.48	8.96
291.7909	8.57	9.38	9.20	10.33	9.06
291.8355	8.52	9.45	9.15	10.09	9.16
291.8800	8.51	9.41	9.14	9.85	9.27
291.9246	8.61	9.24	9.21	9.61	9.44
291.9692	8.79	9.05	9.29	9.31	9.54
292.0137	8.86	8.96	9.44	9.10	9.74
292.0583	8.82	9.01	9.54	8.96	9.95
292.1029	8.82	8.95	9.66	8.80	10.24
292.1474	8.86	8.79	9.79	8.60	10.58
292.1920	8.99	8.74	9.92	8.41	10.68
292.2365	8.96	8.72	9.94	8.28	10.82
292.2811	8.89	8.78	10.05	8.20	10.98
292.3257	8.92	8.97	10.04	8.07	11.17
292.3702	8.82	9.06	10.04	7.98	11.35
292.4148	8.76	9.14	10.13	7.80	11.46
292.4594	8.76	9.12	10.22	7.68	11.52
292.5039	8.65	9.05	10.22	7.61	11.58
292.5485	8.65	9.17	10.15	7.66	11.61
292.5930	8.75	9.29	10.13	7.59	11.65
292.6376	8.84	9.22	10.19	7.54	11.69
292.6822	8.92	9.19	10.18	7.60	11.68
292.7267	8.93	9.25	10.08	7.71	11.57
292.7713	8.93	9.12	10.02	7.79	11.42
292.8158	8.93	9.14	9.90	7.80	11.38
292.8604	9.02	9.14	9.74	7.84	11.23
292.9050	9.06	9.08	9.66	7.97	11.04
292.9495	8.96	9.13	9.54	8.16	10.89
292.9941	8.82	9.13	9.36	8.33	10.62
293.0387	8.68	9.23	9.16	8.34	10.37
293.0832	8.78	9.03	9.23	8.44	10.22
293.1278	8.87	9.10	9.30	8.60	9.96
293.1723	8.90	9.14	9.34	8.81	9.80
293.2169	8.94	9.21	9.39	9.05	9.70
293.2615	8.97	9.43	9.28	9.18	9.47
293.3060	8.96	9.48	9.14	9.35	9.16
293.3506	8.89	9.39	9.01	9.47	8.93
293.3951	8.78	9.36	8.97	9.67	8.74
293.4397	8.78	9.44	8.90	9.96	8.52

293.4843	8.86	9.47	8.72	10.09	8.41
293.5288	8.84	9.35	8.54	10.23	8.22
293.5734	8.70	9.42	8.46	10.31	8.00
293.6180	8.56	9.45	8.45	10.46	7.87
293.6625	8.46	9.60	8.49	10.73	7.81
293.7071	8.44	9.73	8.40	10.95	7.83
293.7516	8.45	9.69	8.31	11.05	7.87
293.7962	8.45	9.67	8.25	11.16	7.73
293.8408	8.42	9.62	8.23	11.26	7.59
293.8853	8.36	9.57	8.23	11.33	7.50
293.9299	8.36	9.61	8.16	11.36	7.41
293.9745	8.54	9.72	7.99	11.22	7.32
294.0190	8.67	9.73	7.91	11.17	7.26
294.0636	8.66	9.79	7.88	11.16	7.25
294.1081	8.66	9.84	7.93	11.17	7.15
294.1527	8.57	9.88	8.01	11.00	7.16
294.1973	8.55	10.02	8.00	10.83	7.11
294.2418	8.58	10.05	8.16	10.79	7.13
294.2864	8.66	10.04	8.26	10.77	7.21
294.3309	8.69	9.94	8.46	10.84	7.22
294.3755	8.77	9.85	8.60	10.87	7.24
294.4201	8.90	9.89	8.65	10.79	7.32
294.4646	8.91	10.06	8.77	10.66	7.49
294.5092	8.78	10.20	8.72	10.63	7.65
294.5538	8.65	10.19	8.78	10.74	7.80
294.5983	8.62	10.13	8.92	10.63	8.02
294.6429	8.74	10.07	9.02	10.44	8.09
294.6874	8.76	10.12	8.99	10.23	8.16
294.7320	8.65	10.06	9.10	10.11	8.31
294.7766	8.57	9.88	9.16	10.12	8.45
294.8211	8.60	9.77	9.15	10.18	8.60
294.8657	8.72	9.78	9.20	10.14	8.63
294.9103	8.80	9.85	9.12	10.12	8.79
294.9548	8.89	9.95	9.10	10.14	8.98
294.9994	8.81	9.93	9.08	10.08	9.15
295.0439	8.74	9.92	9.20	9.98	9.16
295.0885	8.86	9.88	9.29	9.83	9.24
295.1331	8.90	9.73	9.39	9.64	9.21
295.1776	8.82	9.72	9.38	9.60	9.27
295.2222	8.71	9.72	9.40	9.56	9.39
295.2667	8.62	9.83	9.53	9.36	9.46
295.3113	8.72	9.91	9.70	9.15	9.50
295.3559	8.81	10.05	9.90	9.06	9.54
295.4004	8.77	9.96	9.95	9.03	9.58
295.4450	8.79	9.89	10.13	8.96	9.67
295.4896	8.86	9.78	10.27	9.01	9.83
295.5341	8.94	9.68	10.29	8.91	9.95
295.5787	9.01	9.70	10.28	8.75	10.02
295.6232	8.95	9.60	10.20	8.74	10.14
295.6678	8.76	9.51	10.12	8.70	10.23
295.7124	8.68	9.54	10.07	8.59	10.26
295.7569	8.57	9.51	9.99	8.47	10.27
295.8015	8.46	9.69	9.89	8.32	10.22
295.8461	8.44	9.66	9.97	8.28	10.15
295.8906	8.45	9.51	9.95	8.32	10.10
295.9352	8.44	9.19	10.00	8.38	10.12
295.9797	8.46	9.12	10.07	8.43	10.21
296.0243	8.60	9.12	10.05	8.56	10.24
296.0689	8.68	9.22	9.96	8.65	10.25
296.1134	8.66	9.08	9.79	8.82	10.22

296.1580	8.61	8.98	9.73	8.93	10.26
296.2025	8.50	9.10	9.63	8.95	10.30
296.2471	8.44	9.34	9.49	8.97	10.12
296.2917	8.39	9.48	9.40	9.01	9.93
296.3362	8.35	9.72	9.39	9.09	9.88
296.3808	8.36	9.93	9.48	9.27	9.89
296.4254	8.35	10.02	9.52	9.48	9.85
296.4699	8.41	10.12	9.46	9.58	9.70
296.5145	8.43	10.12	9.48	9.67	9.59
296.5590	8.44	10.20	9.51	9.93	9.54
296.6036	8.38	10.14	9.53	10.17	9.48
296.6482	8.41	10.05	9.50	10.32	9.38
296.6927	8.51	10.05	9.41	10.36	9.24
296.7373	8.66	9.98	9.25	10.36	9.07
296.7818	8.68	9.82	9.09	10.47	8.82
296.8264	8.72	9.78	8.95	10.54	8.61
296.8710	8.67	9.79	8.86	10.55	8.42
296.9155	8.73	9.72	8.84	10.66	8.21
296.9601	8.83	9.75	8.84	10.70	7.97
297.0047	8.85	9.61	8.79	10.75	7.85
297.0492	8.85	9.62	8.75	10.81	7.75
297.0938	8.93	9.71	8.78	10.93	7.60
297.1383	9.03	9.76	8.72	11.02	7.41
297.1829	9.06	9.65	8.72	11.05	7.32
297.2275	9.04	9.54	8.58	11.13	7.20
297.2720	9.02	9.38	8.38	11.28	7.06
297.3166	9.07	9.24	8.39	11.28	7.01
297.3612	9.12	9.24	8.33	11.24	7.05
297.4057	9.14	9.19	8.33	11.08	7.03
297.4503	9.12	9.23	8.45	11.08	7.04
297.4948	9.09	9.18	8.52	11.07	7.06
297.5394	9.09	9.07	8.52	11.08	7.05
297.5840	9.10	9.20	8.51	11.11	7.17
297.6285	9.28	9.24	8.56	11.15	7.28
297.6731	9.40	9.21	8.71	11.21	7.34
297.7176	9.26	9.18	8.77	11.22	7.36
297.7622	9.17	9.06	8.81	11.18	7.44
297.8068	9.18	9.04	8.93	11.17	7.49
297.8513	9.15	8.91	8.98	11.09	7.42
297.8959	9.04	8.84	9.03	11.05	7.45
297.9405	8.90	8.82	8.94	10.92	7.55
297.9850	8.94	8.84	8.86	10.77	7.75
298.0296	8.96	8.69	8.88	10.65	7.99
298.0741	9.07	8.53	8.88	10.45	8.20
298.1187	9.17	8.55	8.98	10.25	8.34
298.1633	9.18	8.60	9.08	10.28	8.46
298.2078	9.20	8.65	9.13	10.19	8.63
298.2524	9.22	8.59	9.19	9.93	8.82
298.2970	9.24	8.59	9.19	9.64	9.08
298.3415	9.23	8.91	9.18	9.43	9.32
298.3861	9.09	9.11	9.33	9.28	9.46
298.4306	9.03	9.16	9.40	9.14	9.66
298.4752	8.88	9.24	9.35	9.01	9.90
298.5198	8.80	9.34	9.40	8.95	10.17
298.5643	8.77	9.39	9.45	8.80	10.33
298.6089	8.73	9.39	9.51	8.75	10.47
298.6534	8.64	9.26	9.54	8.70	10.45
298.6980	8.64	9.24	9.55	8.56	10.57
298.7426	8.72	9.35	9.54	8.36	10.70
298.7871	8.71	9.41	9.50	8.15	10.76

298.8317	8.68	9.43	9.60	8.01	10.88
298.8763	8.59	9.41	9.64	7.96	11.00
298.9208	8.51	9.37	9.59	7.83	11.10
298.9654	8.57	9.29	9.53	7.78	11.26
299.0099	8.58	9.30	9.44	7.64	11.32
299.0545	8.57	9.13	9.37	7.63	11.37
299.0991	8.52	9.13	9.33	7.69	11.26
299.1436	8.53	9.12	9.26	7.87	11.16
299.1882	8.52	9.14	9.16	7.96	11.03
299.2328	8.53	9.16	9.15	7.95	10.96
299.2773	8.46	9.25	9.21	8.06	10.89
299.3219	8.38	9.37	9.21	8.11	10.92
299.3664	8.42	9.32	9.25	8.21	10.89
299.4110	8.53	9.15	9.17	8.25	10.75
299.4556	8.59	9.16	9.09	8.25	10.63
299.5001	8.57	9.28	9.04	8.30	10.60
299.5447	8.44	9.04	9.06	8.40	10.43
299.5892	8.48	9.00	9.12	8.57	10.33
299.6338	8.55	9.05	9.18	8.81	10.31
299.6784	8.72	8.99	9.19	9.06	10.32
299.7229	8.75	9.00	9.16	9.21	10.17
299.7675	8.68	8.93	9.20	9.45	10.10
299.8121	8.63	8.94	9.25	9.70	10.01
299.8566	8.65	8.91	9.28	9.94	10.03
299.9012	8.72	8.85	9.19	10.17	9.95
299.9457	8.76	8.69	9.21	10.38	9.77
299.9903	8.72	8.58	9.23	10.51	9.50
300.0349	8.62	8.62	9.10	10.68	9.36

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_3\Relazione\L3_D.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 3 - Portata massima 200 l/s
Filename = L3_D.PIC

****
*
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_3\Relazione\L3_D.lis
****
*

RESULTS 4:- Boundary Condition Performance
==========

AIRV at Node 29: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)

```
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 103: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 105: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 108: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 109: Air Valve Performance Data
```

```
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 110: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 111: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

 PUMP at Node 601: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 602: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 603: Pump Performance Data
 ===================================-
 Not available for other pump options

AIRV at Node 723: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
```

Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

4. Comizio irriguo n.4

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_4\Relazione\L4_B.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 7 - Portata massima 200 l/s
Filename = L4_B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_4\Relazione\L4_B.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	90.82	12.31	96.57	18.06
1	2	90.69	12.13	96.59	18.03
2	1	90.82	12.31	96.57	18.06
2	2	90.68	12.15	96.48	17.96
2	3	90.53	12.01	96.38	17.86
2	4	90.38	11.94	96.29	17.85
2	5	90.24	11.91	96.20	17.87
3	1	90.24	11.91	96.20	17.87
3	2	90.09	11.89	96.11	17.90
3	3	89.93	11.78	96.00	17.86
3	4	89.74	11.65	95.87	17.78
3	5	89.58	11.57	95.77	17.76
3	6	89.43	11.56	95.67	17.81
3	7	89.26	11.59	95.57	17.90
3	8	89.10	11.60	95.46	17.96
4	1	89.10	11.60	95.46	17.96
4	2	88.94	11.51	95.36	17.92
4	3	88.79	11.42	95.27	17.89
4	4	88.63	11.37	95.16	17.90
4	5	88.45	11.32	95.04	17.91
4	6	88.28	11.29	94.93	17.93
4	7	88.14	11.21	94.84	17.91
4	8	87.97	11.06	94.73	17.82
5	1	87.97	11.06	94.73	17.82
5	2	88.03	11.10	94.73	17.80
5	3	87.96	11.15	94.60	17.79
5	4	87.90	11.23	94.49	17.82
5	5	87.86	11.34	94.39	17.87
5	6	87.81	11.37	94.28	17.85
5	7	87.74	11.39	94.16	17.81
5	8	87.68	11.49	94.04	17.85
6	1	87.68	11.49	94.04	17.85
6	2	87.64	11.56	93.94	17.87
6	3	87.59	11.70	93.83	17.95
6	4	87.54	11.80	93.73	17.99
6	5	87.51	11.76	93.64	17.89
6	6	87.46	11.76	93.53	17.84
6	7	87.43	11.78	93.44	17.80
6	8	87.39	11.86	93.35	17.82
7	1	87.39	11.86	93.35	17.82
7	2	87.44	11.97	93.35	17.88
8	1	87.44	11.97	93.35	17.88
8	2	87.27	11.88	93.24	17.85

8	3	87.11	11.78	93.14	17.81
8	4	86.96	11.70	93.04	17.78
8	5	86.80	11.65	92.93	17.78
8	6	86.66	11.66	92.85	17.86
8	7	86.49	11.74	92.74	17.99
9	1	86.49	11.74	92.74	17.99
9	2	86.36	11.67	92.66	17.97
9	3	86.20	11.55	92.56	17.90
9	4	86.07	11.48	92.48	17.88
9	5	85.94	11.43	92.39	17.88
9	6	85.80	11.42	92.30	17.93
9	7	85.65	11.37	92.21	17.92
9	8	85.52	11.22	92.13	17.83
9	9	85.39	11.10	92.05	17.76
9	10	85.24	11.05	91.95	17.76
10	1	85.24	11.05	91.95	17.76
10	2	84.55	11.07	91.32	17.84
10	3	83.85	11.11	90.67	17.93
10	4	83.20	11.01	90.07	17.89
10	5	82.52	10.88	89.45	17.81
10	6	81.85	10.85	88.83	17.84
10	7	81.18	10.88	88.22	17.92
11	1	90.82	12.31	96.57	18.06
11	2	90.64	12.22	96.45	18.03
11	3	90.49	12.13	96.36	18.00
11	4	90.32	12.08	96.25	18.01
12	1	90.32	12.08	96.25	18.01
12	2	90.16	12.04	96.14	18.02
12	3	89.99	11.98	96.03	18.02
12	4	89.83	11.87	95.93	17.97
12	5	89.67	11.80	95.83	17.96
12	6	89.51	11.74	95.73	17.96
12	7	89.34	11.71	95.62	17.98
12	8	89.18	11.68	95.51	18.01
13	1	89.18	11.68	95.51	18.01
13	2	89.02	11.57	95.41	17.96
13	3	88.86	11.51	95.30	17.95
13	4	88.69	11.46	95.19	17.96
13	5	88.53	11.43	95.09	17.99
13	6	88.37	11.39	94.99	18.00
13	7	88.21	11.30	94.88	17.97
13	8	88.04	11.19	94.77	17.92
14	1	88.04	11.19	94.77	17.92
14	2	87.88	11.11	94.67	17.90
14	3	87.72	11.08	94.56	17.92
14	4	87.55	11.04	94.46	17.94
14	5	87.38	10.97	94.34	17.93
14	6	87.22	10.88	94.23	17.90
14	7	87.06	10.81	94.13	17.88
14	8	86.91	10.77	94.04	17.90
15	1	86.91	10.77	94.04	17.90
15	2	86.75	10.75	93.93	17.93
15	3	86.58	10.66	93.82	17.90
15	4	86.43	10.60	93.72	17.90
15	5	86.27	10.56	93.63	17.92
15	6	86.10	10.54	93.51	17.95
16	1	86.10	10.54	93.51	17.95
16	2	86.16	10.63	93.50	17.97
16	3	86.10	10.67	93.38	17.95
17	1	86.10	10.67	93.38	17.95
17	2	86.05	10.72	93.27	17.94

17	3	86.00	10.75	93.17	17.92
17	4	85.95	10.84	93.06	17.94
17	5	85.90	10.91	92.95	17.96
17	6	85.84	10.95	92.84	17.94
17	7	85.79	10.97	92.72	17.91
17	8	85.72	11.01	92.60	17.89
18	1	85.72	11.01	92.60	17.89
18	2	85.67	11.10	92.49	17.92
18	3	85.62	11.18	92.39	17.95
18	4	85.57	11.23	92.28	17.93
18	5	85.52	11.26	92.17	17.91
18	6	85.47	11.31	92.06	17.91
18	7	85.42	11.40	91.96	17.94
18	8	85.37	11.48	91.85	17.96
19	1	85.37	11.48	91.85	17.96
19	2	85.31	11.55	91.74	17.98
19	3	85.25	11.56	91.62	17.93
19	4	85.21	11.59	91.53	17.92
19	5	85.16	11.66	91.44	17.93
19	6	85.12	11.74	91.34	17.96
20	1	85.12	11.74	91.34	17.96
20	2	84.98	11.70	91.25	17.96
20	3	84.85	11.63	91.16	17.94
20	4	84.72	11.56	91.08	17.92
21	1	84.72	11.56	91.08	17.92
21	2	84.03	11.51	90.44	17.92
21	3	83.33	11.47	89.80	17.94
21	4	82.61	11.41	89.14	17.94
21	5	81.92	11.31	88.51	17.90
21	6	81.24	11.23	87.89	17.88
21	7	80.56	11.25	87.27	17.95
21	8	79.87	11.19	86.63	17.95
22	1	79.87	11.19	86.63	17.95
22	2	79.79	11.04	86.64	17.89
23	1	90.69	12.13	96.59	18.03
23	2	90.56	12.05	96.51	18.00
23	3	90.40	11.98	96.40	17.98
23	4	90.26	11.90	96.32	17.96
23	5	90.12	11.83	96.23	17.94
24	1	90.12	11.83	96.23	17.94
24	2	89.96	11.75	96.13	17.92
24	3	89.80	11.70	96.02	17.93
24	4	89.63	11.66	95.91	17.94
24	5	89.46	11.62	95.80	17.96
24	6	89.30	11.56	95.70	17.95
24	7	89.14	11.51	95.59	17.96
24	8	88.98	11.47	95.49	17.98
25	1	88.98	11.47	95.49	17.98
25	2	88.84	11.45	95.40	18.02
25	3	88.68	11.43	95.30	18.05
25	4	88.53	11.36	95.20	18.03
25	5	88.37	11.26	95.09	17.99
25	6	88.22	11.18	94.99	17.95
25	7	88.06	11.11	94.89	17.94
25	8	87.92	11.06	94.80	17.94
26	1	87.92	11.06	94.80	17.94
26	2	87.94	11.09	94.79	17.94
27	1	87.94	11.09	94.79	17.94
27	2	87.91	11.13	94.70	17.93
27	3	87.87	11.19	94.60	17.92
27	4	87.83	11.26	94.50	17.94

27	5	87.77	11.35	94.40	17.97
27	6	87.71	11.42	94.28	17.98
27	7	87.66	11.48	94.17	17.99
27	8	87.61	11.55	94.06	18.00
28	1	87.61	11.55	94.06	18.00
28	2	87.56	11.61	93.96	18.01
28	3	87.53	11.65	93.86	17.99
28	4	87.47	11.69	93.75	17.97
28	5	87.43	11.71	93.65	17.94
28	6	87.38	11.74	93.54	17.90
28	7	87.32	11.79	93.43	17.90
28	8	87.28	11.87	93.33	17.92
29	1	87.28	11.87	93.33	17.92
29	2	87.39	11.98	93.34	17.93
30	1	87.39	11.98	93.34	17.93
30	2	87.24	11.93	93.24	17.93
30	3	87.09	11.89	93.14	17.94
30	4	86.95	11.85	93.05	17.95
30	5	86.82	11.84	92.97	17.99
30	6	86.67	11.82	92.87	18.02
30	7	86.52	11.78	92.77	18.03
31	1	86.52	11.78	92.77	18.03
31	2	86.35	11.67	92.66	17.98
31	3	86.19	11.59	92.56	17.95
31	4	86.03	11.50	92.45	17.92
31	5	85.86	11.44	92.34	17.91
31	6	85.69	11.37	92.23	17.90
31	7	85.53	11.28	92.13	17.88
31	8	85.39	11.22	92.04	17.87
32	1	85.39	11.22	92.04	17.87
32	2	84.66	11.19	91.37	17.90
32	3	83.93	11.14	90.69	17.91
32	4	83.21	11.11	90.03	17.93
32	5	82.49	11.08	89.37	17.96
32	6	81.81	11.04	88.74	17.97
32	7	81.10	11.02	88.09	18.01
33	1	90.69	12.13	96.59	18.03
33	2	90.54	12.00	96.50	17.96
33	3	90.39	11.90	96.41	17.92
33	4	90.20	11.86	96.28	17.94
34	1	90.20	11.86	96.28	17.94
34	2	90.04	11.86	96.18	18.00
34	3	89.88	11.82	96.08	18.01
34	4	89.74	11.67	95.99	17.92
34	5	89.58	11.57	95.89	17.88
34	6	89.42	11.52	95.78	17.88
34	7	89.25	11.52	95.67	17.95
34	8	89.09	11.51	95.57	17.99
35	1	89.09	11.51	95.57	17.99
35	2	88.94	11.38	95.47	17.92
35	3	88.78	11.28	95.37	17.88
35	4	88.61	11.24	95.27	17.89
35	5	88.46	11.23	95.17	17.94
35	6	88.29	11.18	95.06	17.95
35	7	88.13	11.05	94.95	17.87
35	8	87.98	10.97	94.86	17.85
36	1	87.98	10.97	94.86	17.85
36	2	87.83	10.91	94.77	17.85
36	3	87.66	10.89	94.66	17.89
36	4	87.47	10.87	94.53	17.92
36	5	87.33	10.78	94.44	17.89

36	6	87.18	10.68	94.34	17.85
36	7	87.01	10.62	94.23	17.84
36	8	86.85	10.61	94.13	17.89
37	1	86.85	10.61	94.13	17.89
37	2	86.92	10.72	94.14	17.95
37	3	86.86	10.74	94.03	17.90
37	4	86.81	10.73	93.92	17.84
37	5	86.78	10.80	93.83	17.85
37	6	86.74	10.89	93.74	17.89
37	7	86.70	11.00	93.63	17.94
37	8	86.66	11.02	93.54	17.90
38	1	86.66	11.02	93.54	17.90
38	2	86.62	11.01	93.44	17.83
38	3	86.57	11.06	93.34	17.83
38	4	86.52	11.17	93.23	17.88
38	5	86.49	11.29	93.14	17.95
38	6	86.46	11.33	93.06	17.93
38	7	86.42	11.32	92.96	17.86
38	8	86.36	11.37	92.84	17.85
39	1	86.36	11.37	92.84	17.85
39	2	86.30	11.47	92.73	17.90
39	3	86.26	11.59	92.63	17.96
39	4	86.23	11.63	92.55	17.94
39	5	86.19	11.64	92.45	17.90
39	6	86.14	11.68	92.35	17.88
39	7	86.10	11.75	92.25	17.91
39	8	86.06	11.88	92.16	17.98
40	1	86.06	11.88	92.16	17.98
40	2	86.04	11.86	92.16	17.98
41	1	86.04	11.86	92.16	17.98
41	2	85.90	11.71	92.07	17.89
41	3	85.74	11.60	91.97	17.83
41	4	85.58	11.58	91.87	17.87
41	5	85.43	11.59	91.77	17.94
41	6	85.27	11.56	91.67	17.96
41	7	85.12	11.43	91.59	17.89
41	8	84.98	11.30	91.50	17.82
42	1	84.98	11.30	91.50	17.82
42	2	84.33	11.28	90.90	17.85
42	3	83.68	11.28	90.30	17.90
42	4	83.03	11.28	89.70	17.95
42	5	82.38	11.17	89.10	17.89
42	6	81.74	11.03	88.51	17.80
42	7	81.08	10.99	87.90	17.81
42	8	80.43	10.97	87.30	17.84
43	1	81.17	10.94	88.22	17.99
43	2	81.08	10.97	88.07	17.96
43	3	81.02	10.98	87.95	17.91
43	4	80.93	11.01	87.81	17.89
43	5	80.85	11.09	87.67	17.92
43	6	80.74	11.17	87.50	17.94
43	7	80.66	11.24	87.37	17.94
43	8	80.55	11.28	87.20	17.93
44	1	80.55	11.28	87.20	17.93
44	2	80.42	11.35	87.01	17.95
44	3	80.32	11.43	86.86	17.96
44	4	80.24	11.51	86.71	17.99
44	5	80.12	11.62	86.54	18.04
44	6	79.99	11.66	86.36	18.02
44	7	79.90	11.68	86.21	17.98
44	8	79.83	11.69	86.08	17.94

45	1	79.83	11.69	86.08	17.94
45	2	79.74	11.73	85.94	17.93
45	3	79.64	11.80	85.79	17.94
45	4	79.56	11.84	85.65	17.93
45	5	79.47	11.89	85.51	17.92
45	6	79.37	11.93	85.36	17.91
45	7	79.25	12.01	85.18	17.94
46	1	79.25	12.01	85.18	17.94
46	2	79.16	11.95	85.17	17.96
47	1	79.16	11.95	85.17	17.96
47	2	78.94	11.93	85.01	17.99
47	3	78.73	11.89	84.85	18.01
47	4	78.48	11.81	84.66	17.99
47	5	78.23	11.74	84.46	17.97
47	6	78.00	11.67	84.29	17.96
47	7	77.77	11.63	84.11	17.98
47	8	77.55	11.61	83.95	18.01
48	1	77.55	11.61	83.95	18.01
48	2	77.45	11.52	83.93	18.00
48	3	77.37	11.45	83.93	18.01
49	1	79.79	11.04	86.64	17.89
49	2	79.84	11.04	86.64	17.84
49	3	79.75	11.10	86.49	17.85
49	4	79.66	11.21	86.35	17.90
49	5	79.58	11.27	86.22	17.91
49	6	79.49	11.26	86.08	17.85
49	7	79.40	11.26	85.94	17.80
50	1	79.40	11.26	85.94	17.80
50	2	79.30	11.34	85.79	17.83
50	3	79.21	11.46	85.63	17.88
50	4	79.10	11.53	85.47	17.89
50	5	79.00	11.52	85.31	17.84
50	6	78.90	11.54	85.15	17.79
50	7	78.78	11.62	84.98	17.82
50	8	78.68	11.74	84.82	17.88
51	1	78.68	11.74	84.82	17.88
51	2	78.70	11.83	84.79	17.92
51	3	78.73	11.87	84.77	17.91
51	4	78.76	11.89	84.75	17.88
51	5	78.79	11.93	84.74	17.88
51	6	78.82	11.99	84.71	17.89
51	7	78.84	12.06	84.69	17.91
51	8	78.87	12.11	84.67	17.91
52	1	78.87	12.11	84.67	17.91
52	2	78.82	12.04	84.67	17.89
53	1	78.82	12.04	84.67	17.89
53	2	78.60	11.93	84.50	17.84
53	3	78.40	11.88	84.36	17.84
53	4	78.18	11.85	84.20	17.87
53	5	77.97	11.86	84.05	17.94
53	6	77.77	11.79	83.91	17.92
53	7	77.57	11.68	83.76	17.87
53	8	77.35	11.62	83.60	17.87
54	1	77.35	11.62	83.60	17.87
54	2	77.12	11.62	83.43	17.93
54	3	76.90	11.63	83.26	18.00
54	4	76.68	11.56	83.10	17.98
54	5	76.44	11.46	82.92	17.94
54	6	76.20	11.38	82.74	17.92
54	7	75.97	11.37	82.57	17.96
54	8	75.74	11.38	82.39	18.03

55	1	75.74	11.38	82.39	18.03
55	2	75.91	11.51	82.40	18.00
55	3	76.08	11.67	82.41	18.00
55	4	76.21	11.86	82.39	18.04
56	1	81.10	11.02	88.09	18.01
56	2	81.18	11.10	88.11	18.03
57	1	81.18	11.10	88.11	18.03
57	2	81.12	11.12	87.99	17.99
57	3	81.03	11.16	87.85	17.98
57	4	80.96	11.20	87.72	17.95
57	5	80.86	11.24	87.56	17.94
57	6	80.77	11.28	87.42	17.93
57	7	80.68	11.32	87.26	17.90
57	8	80.59	11.40	87.12	17.93
58	1	80.59	11.40	87.12	17.93
58	2	80.53	11.48	87.00	17.96
58	3	80.41	11.56	86.83	17.97
58	4	80.33	11.62	86.69	17.98
58	5	80.24	11.70	86.54	18.00
58	6	80.15	11.80	86.39	18.04
58	7	80.06	11.85	86.25	18.04
58	8	79.99	11.90	86.12	18.03
59	1	79.99	11.90	86.12	18.03
59	2	79.89	11.93	85.96	18.00
59	3	79.81	11.96	85.82	17.97
59	4	79.71	12.00	85.66	17.95
60	1	79.71	12.00	85.66	17.95
60	2	79.51	11.94	85.51	17.94
60	3	79.31	11.89	85.36	17.95
60	4	79.15	11.83	85.26	17.94
60	5	78.96	11.77	85.12	17.93
61	1	78.96	11.77	85.12	17.93
61	2	78.72	11.74	84.94	17.96
61	3	78.51	11.70	84.79	17.98
61	4	78.29	11.68	84.62	18.01
61	5	78.05	11.65	84.44	18.04
61	6	77.81	11.59	84.26	18.04
61	7	77.59	11.52	84.09	18.03
61	8	77.37	11.45	83.93	18.01
62	1	80.37	10.98	87.29	17.90
62	2	80.30	11.04	87.16	17.91
62	3	80.23	11.09	87.04	17.91
62	4	80.13	11.13	86.89	17.89
62	5	80.06	11.19	86.77	17.90
62	6	80.00	11.28	86.65	17.93
62	7	79.92	11.32	86.52	17.92
62	8	79.83	11.36	86.38	17.90
62	9	79.75	11.39	86.24	17.88
62	10	79.68	11.44	86.12	17.88
62	11	79.61	11.51	85.99	17.90
62	12	79.52	11.55	85.85	17.89
62	13	79.45	11.58	85.73	17.86
62	14	79.38	11.60	85.61	17.82
62	15	79.31	11.67	85.49	17.84
62	16	79.22	11.73	85.34	17.85
63	1	79.22	11.73	85.34	17.85
63	2	79.15	11.77	85.21	17.83
63	3	79.08	11.84	85.08	17.85
63	4	78.98	11.93	84.93	17.88
64	1	78.98	11.93	84.93	17.88
64	2	78.78	11.89	84.78	17.90

64	3	78.56	11.87	84.63	17.94
64	4	78.36	11.82	84.48	17.94
64	5	78.14	11.75	84.32	17.93
65	1	78.14	11.75	84.32	17.93
65	2	77.94	11.67	84.17	17.91
65	3	77.72	11.61	84.02	17.90
65	4	77.51	11.59	83.86	17.94
65	5	77.31	11.53	83.72	17.94
65	6	77.10	11.46	83.56	17.93
65	7	76.89	11.38	83.42	17.90
65	8	76.70	11.34	83.28	17.92
66	1	76.70	11.34	83.28	17.92
66	2	76.78	11.42	83.30	17.95
66	3	76.68	11.52	83.15	17.99
66	4	76.58	11.57	82.99	17.98
66	5	76.49	11.63	82.84	17.98
66	6	76.40	11.68	82.70	17.98
66	7	76.31	11.78	82.54	18.01
66	8	76.21	11.86	82.39	18.04
601	1	11.78	-5.89	20.58	2.91
601	2	19.26	-10.13	29.01	-0.38
602	1	11.78	-5.89	20.58	2.91
602	2	19.20	-10.13	28.95	-0.38
603	1	11.78	-5.89	20.58	2.91
603	2	20.09	-10.06	29.84	-0.31
604	1	86.91	1.77	96.66	11.52
604	2	84.72	4.45	96.50	16.23
605	1	86.95	-0.01	96.70	9.74
605	2	84.75	4.67	96.53	16.45
606	1	86.89	1.85	96.64	11.60
606	2	84.77	4.70	96.55	16.48
607	1	84.72	4.45	96.50	16.23
607	2	84.75	4.67	96.53	16.45
608	1	84.75	4.67	96.53	16.45
608	2	84.77	4.70	96.55	16.48
609	1	84.77	4.70	96.55	16.48
609	2	88.66	9.18	96.61	17.13
610	1	88.66	9.18	96.61	17.13
610	2	88.66	9.61	96.61	17.56
611	1	88.66	9.61	96.61	17.56
611	2	90.82	12.31	96.57	18.06
612	1	87.09	-0.46	96.84	9.29
612	2	86.91	1.77	96.66	11.52
613	1	87.06	-1.67	96.81	8.08
613	2	86.95	-0.01	96.70	9.74
614	1	86.97	0.47	96.72	10.22
614	2	86.89	1.85	96.64	11.60
615	1	75.74	11.38	82.39	18.03
615	2	75.73	11.36	82.38	18.01
616	1	75.69	11.36	82.34	18.01
616	2	75.71	11.28	82.36	17.93
617	1	75.67	11.28	82.32	17.93
617	2	74.06	9.62	82.33	17.89
618	1	79.87	11.19	86.63	17.95
618	2	79.88	11.18	86.64	17.94
619	1	79.84	11.18	86.60	17.94
619	2	79.84	11.09	86.60	17.85
620	1	79.80	11.09	86.56	17.85
620	2	78.17	9.41	86.57	17.81
621	1	76.21	11.86	82.39	18.04
621	2	76.19	11.85	82.37	18.03

622	1	76.15	11.85	82.33	18.03
622	2	76.18	11.79	82.36	17.97
623	1	76.13	11.79	82.31	17.97
623	2	74.17	9.80	82.32	17.95
624	1	80.37	10.98	87.29	17.90
624	2	80.37	10.99	87.29	17.91
625	1	80.33	10.99	87.25	17.91
625	2	80.34	10.93	87.26	17.85
626	1	80.30	10.93	87.22	17.85
626	2	78.84	9.44	87.22	17.82
627	1	81.17	10.94	88.22	17.99
627	2	81.16	10.90	88.21	17.95
628	1	81.12	10.90	88.17	17.95
628	2	81.14	10.84	88.19	17.89
629	1	81.10	10.84	88.15	17.89
629	2	79.68	9.36	88.17	17.85
630	1	81.18	11.10	88.11	18.03
630	2	81.18	11.07	88.11	18.00
631	1	81.14	11.07	88.07	18.00
631	2	81.14	11.05	88.07	17.98
632	1	81.10	11.05	88.03	17.98
632	2	79.65	9.58	88.03	17.96
633	1	77.55	11.61	83.95	18.01
633	2	77.53	11.57	83.93	17.97
634	1	77.49	11.57	83.89	17.97
634	2	77.55	11.52	83.95	17.92
635	1	77.51	11.52	83.91	17.92
635	2	75.53	9.51	83.93	17.91
636	1	77.37	11.45	83.93	18.01
636	2	77.38	11.43	83.94	17.99
637	1	77.34	11.43	83.90	17.99
637	2	77.40	11.41	83.96	17.97
638	1	77.36	11.41	83.92	17.97
638	2	75.54	9.54	83.96	17.96
639	1	0.00	-0.43	8.80	8.37
639	2	11.78	-5.89	20.58	2.91
640	1	81.18	10.88	88.22	17.92
640	2	81.17	10.94	88.22	17.99
641	1	80.43	10.97	87.30	17.84
641	2	80.37	10.98	87.29	17.90

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_4\Relazione\L4_B.doc
Date Created: Friday, January 22, 2021 - Time: 7 : 26 PM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 7 - Portata massima 200 l/s

```
    5    1
    1    2   50
   55    3   50
   48    2   50
   11    2   30
   33    2   40
   100.00   -10.00
 300.0000     0.1020
```

Time	Pipe 1@ 50%	Pipe 55@ 50%	Pipe 48@ 50%	Pipe 11@ 30%	Pipe 33@ 40%
0.0000	86.98	75.51	76.37	87.32	86.83
0.1020	87.24	75.50	76.35	87.27	86.98
0.2039	87.36	75.46	76.30	87.36	87.15
0.3059	87.50	75.43	76.28	87.50	87.28
0.4079	87.67	75.38	76.23	87.68	87.45
0.5098	87.73	75.33	76.25	87.69	87.56
0.6118	87.74	75.29	76.18	87.70	87.56
0.7137	87.89	75.24	76.15	87.89	87.64
0.8157	88.03	75.20	76.11	88.03	87.82
0.9177	88.11	75.18	76.08	88.08	87.93
1.0196	88.12	75.14	76.03	88.11	87.97
1.1216	88.25	75.10	75.99	88.24	88.04
1.2236	88.38	75.07	75.95	88.37	88.07
1.3255	88.40	75.03	75.90	88.43	88.22
1.4275	88.40	74.99	75.86	88.36	88.25
1.5295	88.46	74.94	75.82	88.33	88.25
1.6314	88.55	74.90	75.70	88.54	88.33
1.7334	88.54	74.87	75.62	88.54	88.44
1.8353	88.56	74.83	75.56	88.53	88.39
1.9373	88.67	74.73	75.45	88.66	88.46
2.0393	88.80	74.68	75.34	88.78	88.59
2.1412	88.84	74.64	75.27	88.81	88.66
2.2432	88.87	74.52	75.22	88.83	88.70
2.3452	88.89	74.44	75.15	88.87	88.72
2.4471	88.99	74.38	75.09	88.94	88.77
2.5491	89.11	74.31	75.10	89.04	88.89
2.6511	89.19	74.24	75.06	89.11	89.00
2.7530	89.17	74.18	75.02	89.27	89.09
2.8550	89.35	74.13	74.98	89.45	89.06
2.9569	89.50	74.09	74.97	89.54	89.29
3.0589	89.57	74.05	74.94	89.53	89.60
3.1609	89.78	74.00	74.92	89.52	89.68
3.2628	89.73	73.96	74.90	89.74	89.57
3.3648	89.80	73.93	74.90	89.78	89.61
3.4668	89.80	73.92	74.86	89.78	89.63
3.5687	89.79	73.90	74.84	89.77	89.62
3.6707	89.81	73.84	74.81	89.79	89.63
3.7727	89.89	73.80	74.79	89.87	89.69
3.8746	89.91	73.80	74.77	89.86	89.76
3.9766	89.87	73.76	74.75	89.81	89.72
4.0785	89.86	73.73	74.73	89.83	89.69
4.1805	89.89	73.70	74.71	89.85	89.71
4.2825	89.89	73.69	74.76	89.86	89.73
4.3844	89.89	73.66	74.79	89.86	89.72
4.4864	89.87	73.63	74.84	89.84	89.70
4.5884	89.89	73.62	74.98	89.89	89.67

4.6903	89.89	73.58	75.03	89.89	89.72
4.7923	89.89	73.57	75.04	89.87	89.74
4.8942	89.92	73.55	75.17	89.85	89.72
4.9962	89.93	73.51	75.32	89.89	89.75
5.0982	89.95	73.59	75.35	89.92	89.78
5.2001	89.98	73.64	75.41	89.91	89.80
5.3021	89.98	73.69	75.58	89.95	89.80
5.4041	89.98	73.79	75.69	89.93	89.82
5.5060	90.02	73.81	75.72	89.96	89.85
5.6080	90.04	73.87	75.75	90.04	89.89
5.7100	90.06	73.98	75.82	90.05	89.92
5.8119	90.07	74.03	75.89	90.02	89.92
5.9139	90.08	74.08	75.96	90.02	89.90
6.0158	90.09	74.14	75.95	90.07	89.93
6.1178	90.12	74.26	76.04	90.11	89.96
6.2198	90.14	74.34	76.18	90.11	89.97
6.3217	90.09	74.36	76.17	90.07	89.91
6.4237	90.06	74.39	76.21	90.05	89.87
6.5257	90.05	74.50	76.30	90.04	89.88
6.6276	90.06	74.58	76.34	90.02	89.92
6.7296	90.07	74.53	76.37	89.97	89.91
6.8316	90.09	74.59	76.40	90.01	89.92
6.9335	90.09	74.71	76.41	90.05	89.91
7.0355	90.08	74.74	76.56	90.03	89.91
7.1374	90.06	74.76	76.64	90.02	89.89
7.2394	90.08	74.81	76.65	90.03	89.91
7.3414	90.07	74.87	76.85	90.06	89.89
7.4433	90.07	74.93	76.97	90.07	89.88
7.5453	90.08	74.99	77.03	90.04	89.90
7.6473	90.12	75.03	77.13	90.01	89.94
7.7492	90.12	75.08	77.18	90.03	89.98
7.8512	90.13	75.20	77.27	90.08	89.94
7.9532	90.15	75.27	77.35	90.09	89.99
8.0551	90.15	75.26	77.34	90.10	89.99
8.1571	90.17	75.33	77.31	90.15	89.99
8.2590	90.17	75.35	77.40	90.12	90.02
8.3610	90.14	75.41	77.44	90.10	90.01
8.4630	90.14	75.41	77.38	90.09	89.98
8.5649	90.16	75.37	77.33	90.14	89.96
8.6669	90.17	75.43	77.38	90.13	89.98
8.7689	90.14	75.49	77.44	90.10	89.97
8.8708	90.11	75.47	77.40	90.06	89.94
8.9728	90.14	75.45	77.34	90.11	89.98
9.0748	90.14	75.47	77.38	90.14	89.96
9.1767	90.19	75.47	77.45	90.15	90.01
9.2787	90.18	75.44	77.41	90.13	89.99
9.3806	90.22	75.42	77.33	90.14	90.06
9.4826	90.22	75.41	77.36	90.16	90.06
9.5846	90.23	75.44	77.39	90.19	90.06
9.6865	90.21	75.44	77.38	90.21	90.00
9.7885	90.22	75.41	77.34	90.20	90.03
9.8905	90.24	75.42	77.37	90.22	90.05
9.9924	90.24	75.43	77.39	90.21	90.07
10.0944	90.25	75.44	77.42	90.21	90.07
10.1964	90.25	75.46	77.39	90.21	90.08
10.2983	90.26	75.48	77.37	90.25	90.09
10.4003	90.28	75.48	77.42	90.24	90.10
10.5022	90.28	75.50	77.40	90.26	90.10
10.6042	90.30	75.52	77.40	90.29	90.14
10.7062	90.32	75.51	77.39	90.28	90.14
10.8081	90.32	75.51	77.39	90.30	90.16

10.9101	90.34	75.53	77.43	90.34	90.16
11.0121	90.38	75.52	77.39	90.35	90.19
11.1140	90.40	75.50	77.36	90.39	90.21
11.2160	90.40	75.51	77.36	90.38	90.22
11.3180	90.38	75.48	77.34	90.37	90.22
11.4199	90.39	75.46	77.32	90.38	90.23
11.5219	90.44	75.45	77.28	90.42	90.27
11.6238	90.49	75.45	77.26	90.42	90.32
11.7258	90.48	75.44	77.25	90.44	90.31
11.8278	90.48	75.41	77.25	90.47	90.31
11.9297	90.53	75.40	77.21	90.50	90.35
12.0317	90.61	75.42	77.15	90.55	90.40
12.1337	90.60	75.42	77.15	90.58	90.43
12.2356	90.60	75.40	77.17	90.61	90.43
12.3376	90.63	75.40	77.13	90.61	90.45
12.4396	90.65	75.42	77.10	90.62	90.48
12.5415	90.65	75.43	77.13	90.64	90.49
12.6435	90.63	75.44	77.16	90.64	90.47
12.7454	90.63	75.43	77.17	90.62	90.45
12.8474	90.66	75.44	77.13	90.62	90.48
12.9494	90.66	75.48	77.11	90.63	90.51
13.0513	90.65	75.48	77.12	90.62	90.50
13.1533	90.64	75.50	77.13	90.64	90.46
13.2553	90.67	75.50	77.09	90.63	90.49
13.3572	90.69	75.50	77.05	90.63	90.53
13.4592	90.69	75.52	77.08	90.64	90.54
13.5611	90.63	75.50	77.11	90.64	90.48
13.6631	90.64	75.51	77.09	90.63	90.45
13.7651	90.66	75.51	77.04	90.60	90.47
13.8670	90.63	75.49	77.05	90.61	90.47
13.9690	90.63	75.51	77.09	90.62	90.48
14.0710	90.64	75.50	77.05	90.61	90.47
14.1729	90.64	75.52	77.02	90.59	90.47
14.2749	90.62	75.54	77.01	90.60	90.47
14.3769	90.61	75.53	77.03	90.61	90.44
14.4788	90.61	75.56	77.04	90.60	90.44
14.5808	90.63	75.59	76.99	90.59	90.46
14.6827	90.63	75.61	76.97	90.59	90.48
14.7847	90.61	75.62	77.00	90.61	90.43
14.8867	90.60	75.62	77.02	90.61	90.41
14.9886	90.61	75.68	76.99	90.59	90.43
15.0906	90.62	75.70	76.97	90.56	90.47
15.1926	90.61	75.69	77.03	90.57	90.46
15.2945	90.58	75.71	77.08	90.58	90.41
15.3965	90.59	75.74	77.07	90.58	90.41
15.4985	90.61	75.77	77.04	90.57	90.44
15.6004	90.60	75.75	77.08	90.57	90.46
15.7024	90.61	75.77	77.14	90.57	90.45
15.8043	90.62	75.79	77.13	90.58	90.45
15.9063	90.61	75.80	77.08	90.56	90.44
16.0083	90.58	75.81	77.10	90.55	90.41
16.1102	90.58	75.80	77.18	90.55	90.42
16.2122	90.57	75.80	77.20	90.56	90.40
16.3142	90.59	75.81	77.13	90.54	90.41
16.4161	90.58	75.82	77.15	90.54	90.42
16.5181	90.57	75.81	77.21	90.54	90.41
16.6201	90.55	75.81	77.21	90.53	90.38
16.7220	90.55	75.81	77.16	90.51	90.37
16.8240	90.55	75.84	77.16	90.51	90.38
16.9259	90.55	75.88	77.19	90.52	90.39
17.0279	90.56	75.90	77.21	90.52	90.39

17.1299	90.56	75.90	77.18	90.52	90.38
17.2318	90.55	75.92	77.17	90.53	90.37
17.3338	90.55	76.01	77.19	90.55	90.39
17.4358	90.57	76.02	77.19	90.54	90.40
17.5377	90.57	75.99	77.19	90.55	90.40
17.6397	90.58	76.00	77.18	90.54	90.42
17.7417	90.57	76.04	77.19	90.52	90.40
17.8436	90.55	76.08	77.21	90.53	90.39
17.9456	90.55	76.01	77.21	90.52	90.39
18.0475	90.56	75.99	77.19	90.51	90.39
18.1495	90.56	76.01	77.18	90.54	90.40
18.2515	90.55	76.04	77.22	90.54	90.38
18.3534	90.55	76.02	77.19	90.53	90.39
18.4554	90.56	75.95	77.16	90.53	90.39
18.5574	90.57	75.95	77.17	90.53	90.41
18.6593	90.56	75.98	77.20	90.54	90.40
18.7613	90.57	75.98	77.20	90.54	90.39
18.8633	90.56	75.90	77.18	90.53	90.39
18.9652	90.55	75.86	77.17	90.51	90.38
19.0672	90.55	75.90	77.19	90.52	90.38
19.1691	90.53	75.90	77.20	90.52	90.38
19.2711	90.54	75.84	77.17	90.51	90.36
19.3731	90.55	75.79	77.13	90.49	90.38
19.4750	90.55	75.82	77.15	90.50	90.39
19.5770	90.53	75.84	77.15	90.51	90.37
19.6790	90.52	75.80	77.14	90.51	90.35
19.7809	90.56	75.78	77.12	90.50	90.38
19.8829	90.56	75.79	77.12	90.53	90.39
19.9849	90.56	75.82	77.13	90.55	90.39
20.0868	90.55	75.81	77.14	90.55	90.36
20.1888	90.57	75.78	77.12	90.53	90.40
20.2907	90.59	75.77	77.11	90.53	90.42
20.3927	89.96	75.78	77.12	89.77	90.21
20.4947	88.50	75.79	77.12	88.14	89.09
20.5966	86.59	75.75	77.12	86.14	87.40
20.6986	84.32	75.74	77.11	83.78	85.36
20.8006	81.98	75.76	77.10	81.48	83.04
20.9025	80.11	75.75	77.11	79.78	80.89
21.0045	78.72	75.73	77.12	78.52	79.30
21.1065	77.63	75.71	77.11	77.48	78.05
21.2084	76.61	75.70	77.10	76.49	77.01
21.3104	75.31	75.71	77.12	75.12	75.89
21.4123	73.69	75.69	77.11	73.41	74.42
21.5143	71.87	75.67	77.10	71.51	72.70
21.6163	69.79	75.65	77.12	69.35	70.76
21.7182	67.82	75.66	77.12	67.43	68.69
21.8202	66.34	75.66	77.12	66.08	66.95
21.9222	65.18	75.63	77.13	64.96	65.69
22.0241	64.14	75.60	77.13	63.97	64.57
22.1261	63.21	75.62	77.15	63.09	63.57
22.2280	62.10	75.63	77.15	61.96	62.60
22.3300	60.69	75.62	77.13	60.48	61.35
22.4320	59.07	75.59	77.14	58.84	59.81
22.5339	57.37	75.59	77.16	57.13	58.15
22.6359	55.79	75.61	77.15	55.58	56.47
22.7379	54.71	75.60	77.16	54.61	55.09
22.8398	54.21	75.58	77.14	54.26	54.38
22.9418	53.73	75.56	77.15	53.79	53.95
23.0438	53.28	75.58	77.17	53.36	53.38
23.1457	53.03	75.59	77.17	53.14	53.02
23.2477	52.94	75.58	77.15	53.02	52.84

23.3496	53.34	75.54	77.16	53.48	52.85
23.4516	53.95	75.56	77.17	54.18	53.56
23.5536	54.12	75.58	77.17	54.22	53.98
23.6555	54.32	75.56	77.15	54.42	53.98
23.7575	54.72	75.54	77.15	54.95	54.42
23.8595	54.61	75.55	77.16	54.71	54.78
23.9614	54.09	75.56	77.16	54.07	54.21
24.0634	53.82	75.56	77.15	53.81	53.78
24.1654	53.53	75.54	77.16	53.46	53.65
24.2673	53.04	75.53	77.17	52.93	53.26
24.3693	52.55	75.56	77.17	52.49	52.73
24.4712	52.15	75.56	77.17	52.13	52.26
24.5732	52.13	75.55	76.96	52.26	51.90
24.6752	52.51	75.54	76.03	52.82	52.22
24.7771	52.74	75.56	74.85	53.01	52.64
24.8791	52.89	75.57	73.12	53.11	52.68
24.9811	53.29	75.55	70.53	53.55	52.91
25.0830	53.53	75.56	68.72	53.68	53.40
25.1850	53.30	75.57	67.00	53.47	53.32
25.2870	52.94	75.50	65.33	53.27	52.98
25.3889	52.37	74.91	63.73	52.79	52.64
25.4909	51.42	73.95	62.30	51.90	51.90
25.5928	50.29	72.71	60.58	50.84	50.76
25.6948	49.32	70.96	58.80	49.63	49.60
25.7968	48.64	69.19	56.69	48.68	48.53
25.8987	48.22	67.69	54.46	48.11	47.86
26.0007	47.70	66.24	52.51	47.32	47.38
26.1027	46.90	64.87	50.77	46.52	46.50
26.2046	46.23	63.52	48.97	46.31	45.68
26.3066	45.69	61.99	47.46	46.01	45.29
26.4086	44.95	60.28	46.04	45.41	44.86
26.5105	44.04	58.40	44.30	44.74	44.11
26.6125	43.28	56.28	42.44	43.85	43.48
26.7144	42.58	54.27	40.53	42.70	42.79
26.8164	41.96	52.50	38.53	41.85	42.04
26.9184	41.47	50.74	36.73	41.17	41.33
27.0203	40.99	49.11	35.62	40.66	40.83
27.1223	40.45	47.62	34.54	40.32	40.27
27.2243	39.67	45.98	33.36	39.72	39.64
27.3262	38.66	44.25	32.81	38.98	38.66
27.4282	38.05	42.43	32.36	38.63	37.88
27.5302	38.03	40.53	31.99	38.49	37.87
27.6321	38.04	38.79	32.69	38.07	38.00
27.7341	37.88	37.50	32.77	37.59	37.82
27.8360	37.75	36.42	32.86	37.25	37.55
27.9380	37.65	35.25	34.05	37.23	37.32
28.0400	37.58	34.37	34.53	37.50	37.22
28.1419	37.58	33.71	33.92	37.80	37.33
28.2439	37.61	33.20	34.16	37.84	37.46
28.3459	37.49	33.34	34.47	37.95	37.46
28.4478	37.45	33.38	33.73	37.96	37.47
28.5498	37.66	33.27	33.19	38.12	37.68
28.6518	38.10	33.80	33.01	38.82	38.10
28.7537	38.71	34.24	32.78	39.39	38.82
28.8557	39.03	33.86	33.23	39.31	39.21
28.9576	38.83	33.67	33.61	39.32	38.84
29.0596	38.80	33.77	33.71	39.49	38.65
29.1616	38.97	33.55	34.53	39.36	38.92
29.2635	38.85	33.15	35.31	38.93	38.80
29.3655	38.52	32.85	35.20	38.39	38.49
29.4675	38.18	32.78	35.53	37.79	38.19

29.5694	37.74	33.13	36.17	37.58	37.55
29.6714	37.33	33.42	36.14	37.39	37.13
29.7734	36.92	33.53	35.94	36.95	36.83
29.8753	36.49	33.90	36.09	36.84	36.35
29.9773	36.30	34.32	36.07	37.03	36.21
30.0792	36.25	34.30	36.09	36.78	36.49
30.1812	35.95	34.18	35.91	36.38	36.25
30.2832	35.63	34.06	35.17	36.19	35.82
30.3851	35.41	33.70	34.78	35.95	35.55
30.4871	35.22	33.08	34.90	35.50	35.32
30.5891	35.06	32.27	34.31	34.89	35.08
30.6910	34.66	31.56	33.82	34.12	34.72
30.7930	33.90	31.29	33.75	33.35	33.77
30.8949	32.94	31.08	33.35	32.45	32.70
30.9969	31.87	30.78	32.66	31.33	31.76
31.0989	30.83	30.86	32.31	30.45	30.85
31.2008	29.97	31.23	31.88	29.92	30.00
31.3028	29.24	31.15	31.27	29.30	29.46
31.4048	28.59	30.92	30.79	28.70	28.75
31.5067	28.12	30.64	30.06	28.29	28.14
31.6087	27.91	30.14	29.53	28.07	27.91
31.7107	27.62	29.53	29.75	27.81	27.77
31.8126	27.20	28.97	29.62	27.05	27.21
31.9146	26.53	28.62	29.06	26.14	26.53
32.0165	25.70	28.42	28.84	25.53	25.49
32.1185	25.08	28.20	28.64	25.07	24.62
32.2205	24.82	27.81	28.08	24.71	24.47
32.3224	24.69	27.48	27.63	24.55	24.54
32.4244	24.57	27.42	27.27	24.45	24.31
32.5264	24.46	27.31	26.97	24.27	24.17
32.6283	24.23	27.11	26.77	24.07	24.01
32.7303	23.94	27.10	26.68	23.82	23.78
32.8323	23.65	27.27	26.74	23.42	23.72
32.9342	23.12	27.42	27.31	22.90	23.37
33.0362	22.49	27.47	27.95	22.42	22.56
33.1381	22.08	27.47	28.03	22.24	21.91
33.2401	21.92	27.58	28.39	22.39	21.69
33.3421	22.17	27.49	29.27	22.65	21.92
33.4440	22.65	27.23	29.62	22.78	22.48
33.5460	22.99	27.28	29.56	22.94	22.91
33.6480	23.28	27.43	29.61	23.31	22.98
33.7499	23.51	27.35	29.46	23.52	23.14
33.8519	23.52	27.28	29.20	23.46	23.38
33.9539	23.53	27.22	28.91	23.42	23.54
34.0558	23.50	27.24	28.38	23.39	23.54
34.1578	23.28	27.17	28.17	23.27	23.32
34.2597	23.04	26.91	28.39	23.25	22.91
34.3617	22.95	26.69	28.27	23.18	22.83
34.4637	22.89	26.64	28.23	23.04	22.97
34.5656	22.80	26.55	28.68	22.81	22.92
34.6676	22.58	26.29	29.00	22.50	22.62
34.7696	22.37	25.96	29.13	22.45	22.33
34.8715	22.35	25.75	29.18	22.70	22.10
34.9735	22.49	25.48	28.97	22.75	22.26
35.0755	22.55	25.01	28.68	22.64	22.56
35.1774	22.54	24.45	28.26	22.64	22.54
35.2794	22.52	24.06	27.45	22.69	22.34
35.3813	22.53	23.68	26.71	22.58	22.42
35.4833	22.43	23.31	26.20	22.47	22.38
35.5853	22.18	23.05	25.59	22.21	22.11
35.6872	21.74	22.81	25.03	21.69	21.77

35.7892	21.17	22.49	24.75	21.14	21.24
35.8912	20.69	22.16	24.53	20.74	20.67
35.9931	20.39	21.75	24.21	20.56	20.41
36.0951	20.14	21.33	23.79	20.47	20.18
36.1971	19.97	20.90	23.24	20.32	19.86
36.2990	19.88	20.39	22.78	20.15	19.81
36.4010	19.90	19.91	22.38	20.09	19.88
36.5029	19.94	19.53	21.74	20.18	19.78
36.6049	19.83	19.15	21.11	20.02	19.62
36.7069	19.48	18.66	20.75	19.58	19.32
36.8088	19.08	18.17	20.39	19.19	18.95
36.9108	18.73	17.88	19.93	18.89	18.75
37.0128	18.49	17.55	19.50	18.58	18.79
37.1147	18.38	17.39	19.05	18.43	18.40
37.2167	18.41	17.51	18.56	18.51	18.24
37.3187	18.48	17.59	18.19	18.64	18.37
37.4206	18.54	17.66	17.87	18.65	18.46
37.5226	18.55	17.85	17.61	18.57	18.43
37.6245	18.53	17.93	17.59	18.52	18.59
37.7265	18.44	17.89	17.42	18.61	18.47
37.8285	18.33	17.78	17.24	18.64	18.27
37.9304	18.26	17.55	17.43	18.52	18.23
38.0324	18.30	17.33	17.47	18.43	18.26
38.1344	18.41	17.25	17.24	18.45	18.40
38.2363	18.53	17.19	17.23	18.50	18.56
38.3383	18.53	17.27	17.28	18.62	18.17
38.4403	18.57	17.46	17.23	18.81	18.00
38.5422	18.76	17.64	17.43	18.89	18.52
38.6442	18.80	17.90	17.44	18.81	18.86
38.7461	18.66	18.22	17.32	18.71	18.70
38.8481	18.59	18.40	17.38	18.76	18.61
38.9501	18.66	18.52	17.32	19.01	18.56
39.0520	18.78	18.62	17.16	19.09	18.75
39.1540	18.81	18.63	17.24	18.79	18.96
39.2560	18.66	18.66	17.29	18.66	18.78
39.3579	18.60	18.64	17.21	18.81	18.46
39.4599	18.62	18.48	17.23	18.90	18.42
39.5618	18.55	18.35	17.28	18.82	18.30
39.6638	18.48	18.27	17.32	18.64	18.26
39.7658	18.41	18.21	17.44	18.42	18.37
39.8677	18.27	18.18	17.38	18.34	18.27
39.9697	18.19	18.29	17.11	18.39	17.98
40.0717	18.20	18.38	17.03	18.39	17.90
40.1736	18.21	18.34	17.12	18.32	18.00
40.2756	18.16	18.33	17.06	18.08	18.13
40.3776	17.88	18.41	16.90	17.69	18.00
40.4795	17.45	18.39	16.89	17.48	17.53
40.5815	17.19	18.26	16.83	17.41	17.17
40.6834	17.01	18.05	16.70	17.14	17.11
40.7854	16.76	17.85	16.59	16.79	16.97
40.8874	16.55	17.76	16.41	16.57	16.68
40.9893	16.45	17.61	16.19	16.50	16.49
41.0913	16.40	17.28	16.05	16.55	16.29
41.1933	16.39	17.13	16.18	16.56	16.14
41.2952	16.40	17.11	15.73	16.41	16.19
41.3972	16.36	16.97	15.90	16.25	16.25
41.4992	16.20	16.78	16.27	16.07	16.15
41.6011	15.93	16.70	16.06	15.75	16.01
41.7031	15.63	16.61	15.70	15.45	15.72
41.8050	15.40	16.50	16.02	15.33	15.50
41.9070	15.27	16.38	15.94	15.06	15.44

42.0090	15.02	16.06	15.63	14.74	15.16
42.1109	14.73	16.06	15.60	14.71	14.78
42.2129	14.69	16.18	15.62	14.78	14.65
42.3149	14.66	16.00	15.54	14.83	14.65
42.4168	14.59	15.88	15.74	14.94	14.47
42.5188	14.60	16.01	15.58	14.91	14.40
42.6208	14.63	15.96	15.49	14.88	14.57
42.7227	14.81	15.71	15.86	15.05	14.71
42.8247	14.96	15.53	15.88	14.99	14.92
42.9266	14.97	15.44	15.46	14.88	14.98
43.0286	15.03	15.42	15.74	15.01	14.96
43.1306	15.15	15.40	16.05	15.03	14.92
43.2325	14.99	15.28	15.90	14.78	15.00
43.3345	14.79	15.46	15.85	14.72	14.75
43.4365	14.62	15.82	15.88	14.71	14.58
43.5384	14.43	15.94	15.78	14.72	14.43
43.6404	14.41	15.89	15.93	14.81	14.43
43.7424	14.60	15.99	15.78	14.88	14.46
43.8443	14.77	16.01	15.55	15.00	14.80
43.9463	15.02	15.89	15.79	15.35	15.01
44.0482	15.21	15.79	15.94	15.50	15.14
44.1502	15.23	15.63	15.62	15.47	15.11
44.2522	15.30	15.49	15.85	15.50	15.15
44.3541	15.40	15.50	16.00	15.39	15.15
44.4561	15.26	15.45	15.83	15.10	15.22
44.5581	15.04	15.40	15.63	15.02	14.99
44.6600	14.91	15.53	15.51	14.99	14.79
44.7620	14.91	15.55	15.26	14.94	14.81
44.8640	14.96	15.44	15.22	14.96	15.00
44.9659	14.98	15.58	14.98	14.93	15.02
45.0679	14.90	15.71	14.65	14.93	14.96
45.1698	14.79	15.63	14.72	15.15	14.74
45.2718	14.74	15.54	14.91	15.19	14.69
45.3738	14.76	15.38	14.65	14.92	14.77
45.4757	14.74	15.16	14.56	14.75	14.81
45.5777	14.67	14.97	14.70	14.75	14.57
45.6797	14.61	14.66	14.72	14.68	14.50
45.7816	14.62	14.37	14.49	14.66	14.56
45.8836	14.70	14.30	14.36	14.64	14.61
45.9856	14.73	14.20	14.17	14.48	14.58
46.0875	14.57	14.10	14.08	14.36	14.49
46.1895	14.35	14.19	13.82	14.39	14.23
46.2914	14.20	14.26	13.36	14.40	14.11
46.3934	14.09	14.22	13.16	14.37	14.07
46.4954	13.99	14.18	13.25	14.23	14.01
46.5973	13.92	14.06	13.05	14.04	13.93
46.6993	13.88	13.90	12.84	14.03	13.94
46.8013	13.96	13.82	12.99	14.23	13.85
46.9032	14.02	13.59	13.18	14.29	13.90
47.0052	13.99	13.35	13.28	14.07	13.94
47.1072	13.97	13.31	13.30	13.93	13.81
47.2091	13.93	13.29	13.30	13.90	13.63
47.3111	13.79	13.15	13.42	13.88	13.65
47.4130	13.79	13.19	13.40	13.96	13.62
47.5150	13.91	13.22	13.03	14.00	13.77
47.6170	13.94	13.20	12.88	13.95	13.89
47.7189	13.89	13.38	12.96	13.94	13.88
47.8209	13.93	13.45	12.86	13.94	13.85
47.9229	13.97	13.36	12.68	14.01	14.01
48.0248	13.92	13.55	12.81	14.12	13.90
48.1268	13.85	13.63	13.08	13.96	13.81

48.2287	13.66	13.45	13.36	13.78	13.67
48.3307	13.57	13.47	13.52	13.82	13.52
48.4327	13.68	13.51	13.59	13.97	13.47
48.5346	13.82	13.32	13.74	14.00	13.76
48.6366	13.88	13.34	13.84	14.11	13.78
48.7386	14.07	13.42	13.76	14.15	13.82
48.8405	14.20	13.37	13.67	14.18	13.97
48.9425	14.18	13.45	13.63	14.20	14.08
49.0445	14.19	13.52	13.57	14.16	14.10
49.1464	14.16	13.45	13.46	14.08	14.13
49.2484	13.93	13.56	13.42	14.10	13.93
49.3503	13.77	13.60	13.50	13.97	13.73
49.4523	13.66	13.48	13.62	13.77	13.71
49.5543	13.62	13.49	13.65	13.78	13.68
49.6562	13.72	13.50	13.61	13.89	13.66
49.7582	13.74	13.48	13.68	13.86	13.62
49.8602	13.64	13.48	13.83	13.85	13.55
49.9621	13.71	13.39	13.86	13.88	13.56
50.0641	13.79	13.26	13.78	13.90	13.66
50.1661	13.75	13.26	13.67	13.88	13.66
50.2680	13.73	13.20	13.59	13.89	13.62
50.3700	13.71	13.01	13.43	13.87	13.57
50.4719	13.64	12.98	13.34	13.85	13.54
50.5739	13.64	12.93	13.23	13.67	13.58
50.6759	13.57	12.87	13.11	13.42	13.63
50.7778	13.45	12.96	13.07	13.39	13.46
50.8798	13.36	13.01	13.07	13.48	13.25
50.9818	13.25	12.98	13.08	13.38	13.20
51.0837	13.13	13.03	13.23	13.22	13.22
51.1857	13.16	13.06	13.28	13.16	13.19
51.2877	13.19	13.00	13.12	13.27	13.16
51.3896	13.12	13.00	13.03	13.36	13.06
51.4916	13.14	12.95	13.02	13.38	13.02
51.5935	13.27	12.78	12.93	13.32	13.20
51.6955	13.34	12.71	12.87	13.27	13.36
51.7975	13.34	12.74	12.74	13.21	13.25
51.8994	13.23	12.68	12.64	13.13	13.09
52.0014	13.09	12.66	12.68	13.13	13.04
52.1034	13.05	12.70	12.77	13.17	13.02
52.2053	13.07	12.70	12.64	13.02	13.08
52.3073	12.97	12.83	12.66	12.83	13.08
52.4093	12.92	12.97	12.76	12.90	12.88
52.5112	12.98	12.99	12.69	13.11	12.85
52.6132	13.01	13.05	12.63	13.15	13.02
52.7151	13.07	13.10	12.79	13.11	13.11
52.8171	13.16	13.08	12.79	13.08	13.11
52.9191	13.08	13.06	12.75	13.09	13.07
53.0210	13.02	12.98	12.82	13.19	12.89
53.1230	13.00	12.90	12.71	13.22	12.90
53.2250	13.01	12.84	12.64	13.17	13.02
53.3269	13.10	12.77	12.78	13.22	13.01
53.4289	13.14	12.75	12.68	13.17	12.90
53.5309	13.03	12.86	12.54	13.09	12.92
53.6328	13.09	12.91	12.71	13.21	12.93
53.7348	13.21	12.94	12.76	13.36	13.09
53.8367	13.19	13.07	12.69	13.22	13.22
53.9387	13.11	13.18	12.79	13.08	13.14
54.0407	13.08	13.17	12.83	13.11	12.97
54.1426	13.04	13.12	12.74	13.24	13.06
54.2446	13.09	13.03	12.78	13.27	13.10
54.3466	13.10	12.96	12.66	13.21	13.09

54.4485	13.04	12.90	12.63	13.16	13.00
54.5505	13.06	12.81	12.72	13.26	12.89
54.6525	13.07	12.73	12.68	13.32	12.77
54.7544	13.03	12.71	12.60	13.21	12.96
54.8564	13.05	12.73	12.62	13.18	13.02
54.9583	13.06	12.78	12.62	13.23	12.94
55.0603	13.05	12.73	12.62	13.18	12.90
55.1623	13.04	12.73	12.63	13.10	13.00
55.2642	13.11	12.76	12.53	13.13	13.04
55.3662	13.18	12.71	12.51	13.17	13.22
55.4682	13.17	12.67	12.59	13.13	13.21
55.5701	13.04	12.68	12.52	13.01	13.00
55.6721	12.93	12.63	12.49	12.91	12.87
55.7741	12.88	12.55	12.56	12.91	12.88
55.8760	12.83	12.50	12.49	12.90	12.79
55.9780	12.74	12.49	12.37	12.84	12.74
56.0799	12.69	12.44	12.37	12.85	12.65
56.1819	12.73	12.40	12.37	13.01	12.57
56.2839	12.87	12.30	12.33	13.07	12.71
56.3858	12.98	12.24	12.31	13.01	12.91
56.4878	12.99	12.28	12.31	13.03	12.90
56.5898	12.98	12.31	12.28	13.08	12.88
56.6917	12.95	12.22	12.37	13.00	12.87
56.7937	12.88	12.20	12.38	12.83	12.83
56.8956	12.81	12.25	12.29	12.65	12.83
56.9976	12.72	12.25	12.24	12.64	12.79
57.0996	12.63	12.23	12.25	12.78	12.59
57.2015	12.58	12.24	12.13	12.81	12.50
57.3035	12.61	12.24	12.12	12.77	12.56
57.4055	12.66	12.23	12.16	12.83	12.59
57.5074	12.71	12.27	12.14	12.93	12.58
57.6094	12.75	12.31	12.13	12.91	12.62
57.7114	12.74	12.30	12.17	12.99	12.58
57.8133	12.77	12.28	12.20	13.05	12.67
57.9153	12.88	12.23	12.30	12.92	12.85
58.0172	12.92	12.22	12.33	12.85	12.86
58.1192	12.91	12.24	12.24	12.88	12.81
58.2212	12.91	12.23	12.22	12.96	12.84
58.3231	12.88	12.27	12.28	13.02	12.77
58.4251	12.84	12.33	12.26	12.91	12.79
58.5271	12.80	12.42	12.19	12.73	12.81
58.6290	12.69	12.57	12.15	12.78	12.62
58.7310	12.62	12.65	12.14	12.89	12.48
58.8330	12.62	12.62	12.13	12.89	12.57
58.9349	12.66	12.62	12.14	12.91	12.65
59.0369	12.78	12.64	12.18	12.95	12.75
59.1388	12.89	12.58	12.23	12.95	12.85
59.2408	12.89	12.51	12.29	13.01	12.78
59.3428	12.93	12.47	12.33	13.09	12.72
59.4447	12.98	12.40	12.32	13.06	12.88
59.5467	12.92	12.38	12.39	12.94	12.92
59.6487	12.84	12.43	12.45	12.74	12.76
59.7506	12.74	12.43	12.32	12.64	12.63
59.8526	12.65	12.46	12.18	12.78	12.59
59.9546	12.69	12.53	12.17	12.85	12.63
60.0565	12.72	12.57	12.08	12.74	12.73
60.1585	12.66	12.55	12.01	12.73	12.70
60.2604	12.65	12.58	12.01	12.82	12.55
60.3624	12.66	12.57	11.98	12.88	12.54
60.4644	12.65	12.48	12.04	12.90	12.60
60.5663	12.69	12.38	12.19	12.87	12.62

60.6683	12.67	12.33	12.20	12.77	12.59
60.7703	12.59	12.25	12.24	12.71	12.52
60.8722	12.57	12.18	12.35	12.71	12.39
60.9742	12.63	12.13	12.28	12.67	12.51
61.0762	12.71	12.10	12.14	12.70	12.67
61.1781	12.75	12.14	12.11	12.75	12.70
61.2801	12.69	12.23	12.06	12.69	12.59
61.3820	12.61	12.26	11.98	12.65	12.53
61.4840	12.58	12.26	11.93	12.72	12.51
61.5860	12.58	12.29	11.87	12.70	12.59
61.6879	12.53	12.32	11.85	12.62	12.59
61.7899	12.46	12.27	11.95	12.59	12.48
61.8919	12.47	12.19	11.99	12.62	12.43
61.9938	12.51	12.14	11.98	12.63	12.50
62.0958	12.60	12.13	12.15	12.65	12.52
62.1978	12.65	12.10	12.19	12.67	12.57
62.2997	12.64	12.09	12.18	12.70	12.56
62.4017	12.61	12.12	12.24	12.70	12.47
62.5036	12.62	12.15	12.26	12.66	12.50
62.6056	12.64	12.15	12.15	12.62	12.64
62.7076	12.68	12.22	12.09	12.66	12.66
62.8095	12.66	12.28	11.99	12.68	12.64
62.9115	12.58	12.30	11.92	12.64	12.61
63.0135	12.59	12.30	12.00	12.65	12.61
63.1154	12.66	12.31	12.01	12.66	12.65
63.2174	12.63	12.32	11.93	12.64	12.65
63.3194	12.56	12.34	12.17	12.66	12.51
63.4213	12.51	12.33	12.24	12.70	12.38
63.5233	12.50	12.27	12.23	12.72	12.45
63.6252	12.57	12.22	12.34	12.71	12.52
63.7272	12.63	12.25	12.34	12.64	12.51
63.8292	12.61	12.23	12.14	12.65	12.53
63.9311	12.65	12.17	12.13	12.78	12.56
64.0331	12.71	12.23	12.09	12.83	12.60
64.1351	12.72	12.23	11.99	12.74	12.69
64.2370	12.71	12.18	11.98	12.69	12.71
64.3390	12.67	12.25	11.97	12.70	12.60
64.4410	12.56	12.30	11.89	12.70	12.51
64.5429	12.48	12.24	11.99	12.70	12.46
64.6449	12.49	12.24	12.06	12.68	12.44
64.7468	12.51	12.22	12.01	12.62	12.49
64.8488	12.54	12.19	12.12	12.61	12.49
64.9508	12.53	12.24	12.13	12.67	12.36
65.0527	12.55	12.20	12.04	12.76	12.39
65.1547	12.63	12.10	12.05	12.82	12.55
65.2567	12.68	12.11	12.08	12.77	12.60
65.3586	12.68	12.11	12.01	12.69	12.58
65.4606	12.61	12.06	11.94	12.67	12.52
65.5625	12.57	12.06	11.92	12.74	12.46
65.6645	12.58	12.02	11.85	12.73	12.55
65.7665	12.60	12.01	11.84	12.61	12.65
65.8684	12.57	12.08	11.88	12.52	12.58
65.9704	12.53	12.07	11.81	12.54	12.48
66.0724	12.48	12.06	11.86	12.56	12.44
66.1743	12.48	12.14	12.00	12.62	12.43
66.2763	12.54	12.11	11.99	12.61	12.53
66.3783	12.57	12.08	12.00	12.58	12.59
66.4802	12.53	12.11	12.07	12.62	12.45
66.5822	12.52	12.08	12.02	12.65	12.37
66.6841	12.56	11.98	11.93	12.67	12.47
66.7861	12.63	11.96	11.93	12.73	12.60

66.8881	12.66	11.94	11.92	12.68	12.62
66.9900	12.60	11.92	11.89	12.57	12.55
67.0920	12.53	11.97	11.89	12.57	12.40
67.1940	12.50	12.00	11.87	12.62	12.41
67.2959	12.50	11.98	11.88	12.59	12.50
67.3979	12.47	12.07	11.96	12.57	12.50
67.4999	12.46	12.13	11.94	12.52	12.41
67.6018	12.45	12.11	11.94	12.52	12.41
67.7038	12.47	12.13	12.00	12.60	12.41
67.8057	12.54	12.12	11.99	12.65	12.48
67.9077	12.58	12.07	11.97	12.61	12.57
68.0097	12.57	12.09	11.97	12.64	12.54
68.1116	12.50	12.09	11.98	12.65	12.40
68.2136	12.47	12.04	11.98	12.60	12.35
68.3156	12.47	12.01	11.98	12.63	12.36
68.4175	12.51	12.01	11.92	12.71	12.43
68.5195	12.54	12.00	11.89	12.68	12.46
68.6215	12.50	12.03	11.95	12.65	12.40
68.7234	12.51	12.05	11.98	12.65	12.39
68.8254	12.57	12.06	11.90	12.64	12.53
68.9273	12.60	12.16	11.96	12.65	12.57
69.0293	12.59	12.21	12.03	12.64	12.54
69.1313	12.54	12.19	12.00	12.61	12.49
69.2332	12.48	12.23	11.98	12.62	12.44
69.3352	12.50	12.22	12.04	12.63	12.45
69.4372	12.54	12.16	12.00	12.58	12.50
69.5391	12.48	12.16	11.94	12.58	12.41
69.6411	12.46	12.12	11.96	12.64	12.30
69.7431	12.43	12.07	11.94	12.65	12.31
69.8450	12.43	12.09	11.95	12.58	12.36
69.9470	12.51	12.10	12.03	12.55	12.44
70.0489	12.54	12.08	11.96	12.55	12.48
70.1509	12.45	12.15	11.96	12.55	12.40
70.2529	12.45	12.18	12.05	12.57	12.34
70.3548	12.47	12.13	12.04	12.54	12.46
70.4568	12.51	12.14	11.99	12.52	12.59
70.5588	12.56	12.16	12.03	12.53	12.51
70.6607	12.49	12.14	11.98	12.53	12.41
70.7627	12.41	12.11	11.94	12.55	12.34
70.8647	12.42	12.09	11.96	12.57	12.33
70.9666	12.40	12.06	11.95	12.52	12.35
71.0686	12.35	12.02	11.92	12.44	12.34
71.1705	12.36	12.04	11.93	12.49	12.20
71.2725	12.33	12.03	11.88	12.57	12.15
71.3745	12.35	12.00	11.88	12.60	12.29
71.4764	12.48	11.98	11.94	12.61	12.44
71.5784	12.56	11.97	11.91	12.56	12.55
71.6804	12.55	11.99	11.88	12.54	12.52
71.7823	12.52	11.99	11.95	12.60	12.42
71.8843	12.51	11.98	11.95	12.58	12.41
71.9863	12.48	11.97	11.92	12.50	12.53
72.0882	12.47	12.00	11.91	12.43	12.52
72.1902	12.41	12.03	11.90	12.40	12.38
72.2921	12.33	12.03	11.84	12.43	12.26
72.3941	12.34	11.99	11.82	12.56	12.25
72.4961	12.44	12.01	11.78	12.61	12.37
72.5980	12.47	12.06	11.72	12.58	12.47
72.7000	12.51	12.07	11.78	12.59	12.45
72.8020	12.50	12.05	11.82	12.60	12.37
72.9039	12.49	12.07	11.79	12.63	12.38
73.0059	12.52	12.06	11.90	12.64	12.47

73.1079	12.57	12.04	12.00	12.57	12.57
73.2098	12.56	12.03	11.99	12.49	12.58
73.3118	12.52	12.05	12.02	12.52	12.47
73.4137	12.50	12.06	12.00	12.57	12.41
73.5157	12.52	12.08	11.92	12.58	12.47
73.6177	12.55	12.11	11.92	12.56	12.54
73.7196	12.51	12.16	11.89	12.54	12.48
73.8216	12.42	12.18	11.82	12.49	12.40
73.9236	12.40	12.17	11.81	12.52	12.32
74.0255	12.43	12.14	11.80	12.59	12.34
74.1275	12.45	12.14	11.72	12.61	12.43
74.2295	12.50	12.13	11.80	12.58	12.47
74.3314	12.52	12.12	11.83	12.59	12.40
74.4334	12.48	12.06	11.84	12.62	12.41
74.5353	12.52	12.02	11.89	12.63	12.41
74.6373	12.54	12.03	11.94	12.60	12.44
74.7393	12.51	12.04	11.91	12.54	12.46
74.8412	12.47	12.04	11.92	12.48	12.44
74.9432	12.40	12.08	11.88	12.47	12.32
75.0452	12.37	12.08	11.79	12.48	12.33
75.1471	12.43	12.03	11.76	12.50	12.40
75.2491	12.45	12.05	11.71	12.56	12.40
75.3510	12.41	12.07	11.61	12.60	12.35
75.4530	12.41	12.02	11.63	12.59	12.32
75.5550	12.43	11.98	11.67	12.61	12.31
75.6569	12.47	11.95	11.67	12.60	12.40
75.7589	12.49	11.94	11.72	12.58	12.44
75.8609	12.45	11.95	11.86	12.57	12.33
75.9628	12.41	11.92	11.90	12.53	12.27
76.0648	12.40	11.89	11.90	12.50	12.35
76.1668	12.44	11.91	11.93	12.49	12.44
76.2687	12.52	11.93	11.88	12.48	12.49
76.3707	12.50	11.96	11.81	12.47	12.47
76.4726	12.44	12.00	11.81	12.55	12.39
76.5746	12.42	11.99	11.74	12.58	12.39
76.6766	12.46	11.96	11.68	12.50	12.49
76.7785	12.46	11.98	11.72	12.50	12.45
76.8805	12.40	11.99	11.77	12.50	12.35
76.9825	12.34	11.98	11.78	12.48	12.28
77.0844	12.33	11.94	11.88	12.51	12.26
77.1864	12.42	11.91	11.96	12.50	12.33
77.2884	12.50	11.89	11.99	12.46	12.46
77.3903	12.48	11.92	12.00	12.50	12.40
77.4923	12.45	11.96	11.98	12.55	12.31
77.5942	12.45	11.94	11.93	12.55	12.35
77.6962	12.47	11.94	11.93	12.55	12.44
77.7982	12.48	11.99	11.91	12.51	12.48
77.9001	12.48	12.02	11.85	12.45	12.48
78.0021	12.42	12.03	11.81	12.47	12.37
78.1041	12.37	12.03	11.80	12.53	12.29
78.2060	12.40	11.99	11.80	12.55	12.40
78.3080	12.46	12.00	11.82	12.51	12.46
78.4100	12.46	12.03	11.85	12.48	12.39
78.5119	12.39	12.02	11.91	12.51	12.29
78.6139	12.33	12.04	11.95	12.56	12.20
78.7158	12.37	12.03	11.98	12.59	12.24
78.8178	12.43	11.99	11.96	12.54	12.36
78.9198	12.44	12.00	11.92	12.49	12.39
79.0217	12.42	12.02	11.90	12.52	12.30
79.1237	12.43	11.98	11.85	12.56	12.30
79.2257	12.46	11.98	11.79	12.61	12.38

79.3276	12.50	12.00	11.80	12.59	12.46
79.4296	12.50	12.01	11.76	12.53	12.48
79.5316	12.40	12.04	11.74	12.47	12.37
79.6335	12.34	12.05	11.82	12.50	12.24
79.7355	12.34	12.04	11.82	12.51	12.25
79.8374	12.32	12.05	11.82	12.48	12.31
79.9394	12.37	12.07	11.92	12.45	12.33
80.0414	12.39	12.08	11.91	12.42	12.31
80.1433	12.34	12.07	11.87	12.43	12.25
80.2453	12.36	12.04	11.90	12.54	12.24
80.3473	12.44	12.02	11.87	12.55	12.32
80.4492	12.44	12.05	11.83	12.49	12.41
80.5512	12.41	12.04	11.88	12.47	12.34
80.6532	12.35	12.04	11.82	12.45	12.28
80.7551	12.32	12.04	11.78	12.46	12.28
80.8571	12.38	12.02	11.85	12.48	12.33
80.9590	12.40	12.04	11.84	12.44	12.37
81.0610	12.35	12.07	11.81	12.39	12.37
81.1630	12.34	12.05	11.89	12.41	12.25
81.2649	12.36	12.04	11.92	12.46	12.26
81.3669	12.38	12.02	11.91	12.50	12.36
81.4689	12.43	12.02	11.93	12.48	12.38
81.5708	12.41	12.02	11.91	12.49	12.31
81.6728	12.36	11.99	11.88	12.49	12.29
81.7748	12.35	11.95	11.89	12.51	12.25
81.8767	12.38	11.90	11.85	12.51	12.32
81.9787	12.42	11.87	11.74	12.48	12.41
82.0806	12.43	11.87	11.77	12.49	12.36
82.1826	12.38	11.88	11.80	12.50	12.27
82.2846	12.34	11.87	11.75	12.47	12.29
82.3865	12.37	11.87	11.75	12.46	12.35
82.4885	12.44	11.92	11.81	12.44	12.41
82.5905	12.40	11.94	11.82	12.45	12.40
82.6924	12.36	11.96	11.85	12.48	12.30
82.7944	12.39	11.97	11.86	12.50	12.29
82.8964	12.44	11.94	11.84	12.52	12.42
82.9983	12.49	11.94	11.85	12.53	12.50
83.1003	12.51	11.95	11.84	12.54	12.45
83.2022	12.45	11.96	11.80	12.53	12.34
83.3042	12.39	11.95	11.82	12.55	12.26
83.4062	12.36	11.95	11.85	12.55	12.26
83.5081	12.37	11.95	11.77	12.48	12.37
83.6101	12.42	11.95	11.77	12.46	12.39
83.7121	12.43	11.98	11.83	12.51	12.33
83.8140	12.39	11.99	11.83	12.53	12.30
83.9160	12.43	11.97	11.84	12.50	12.41
84.0179	12.53	12.00	11.89	12.49	12.52
84.1199	12.54	12.05	11.88	12.47	12.55
84.2219	12.48	12.05	11.93	12.47	12.46
84.3238	12.41	12.04	11.92	12.53	12.33
84.4258	12.39	12.03	11.87	12.51	12.30
84.5278	12.41	11.98	11.88	12.48	12.38
84.6297	12.40	11.97	11.86	12.49	12.38
84.7317	12.36	11.98	11.76	12.48	12.30
84.8337	12.36	11.92	11.72	12.49	12.21
84.9356	12.35	11.92	11.74	12.55	12.20
85.0376	12.38	11.91	11.70	12.53	12.33
85.1395	12.45	11.90	11.69	12.44	12.45
85.2415	12.44	11.95	11.72	12.43	12.39
85.3435	12.37	11.96	11.77	12.48	12.29
85.4454	12.37	11.96	11.78	12.50	12.28

85.5474	12.39	11.94	11.78	12.52	12.35
85.6494	12.45	11.91	11.80	12.47	12.44
85.7513	12.44	11.91	11.83	12.42	12.42
85.8533	12.36	11.93	11.78	12.47	12.26
85.9553	12.34	11.89	11.73	12.54	12.23
86.0572	12.37	11.82	11.70	12.51	12.29
86.1592	12.39	11.85	11.71	12.51	12.32
86.2611	12.35	11.88	11.70	12.46	12.29
86.3631	12.31	11.90	11.64	12.44	12.24
86.4651	12.30	11.90	11.67	12.50	12.18
86.5670	12.36	11.90	11.69	12.55	12.28
86.6690	12.43	11.88	11.74	12.51	12.45
86.7710	12.47	11.95	11.78	12.46	12.46
86.8729	12.46	11.97	11.79	12.46	12.38
86.9749	12.42	11.94	11.81	12.45	12.36
87.0769	12.42	11.92	11.84	12.50	12.38
87.1788	12.44	11.91	11.82	12.47	12.41
87.2808	12.41	11.91	11.83	12.38	12.39
87.3827	12.32	11.94	11.82	12.40	12.24
87.4847	12.28	11.94	11.78	12.48	12.16
87.5867	12.32	11.89	11.73	12.48	12.27
87.6886	12.39	11.89	11.74	12.50	12.37
87.7906	12.44	11.96	11.77	12.52	12.36
87.8926	12.43	11.96	11.77	12.51	12.35
87.9945	12.43	11.97	11.81	12.52	12.33
88.0965	12.45	11.97	11.88	12.52	12.38
88.1985	12.47	11.94	11.94	12.48	12.46
88.3004	12.44	11.96	11.95	12.45	12.44
88.4024	12.41	11.97	11.95	12.44	12.33
88.5043	12.37	11.94	11.93	12.42	12.27
88.6063	12.37	11.96	11.89	12.46	12.31
88.7083	12.42	11.94	11.87	12.51	12.39
88.8102	12.44	11.92	11.81	12.49	12.42
88.9122	12.39	11.98	11.74	12.47	12.33
89.0142	12.34	12.01	11.76	12.50	12.21
89.1161	12.32	11.97	11.74	12.52	12.23
89.2181	12.34	11.96	11.73	12.49	12.32
89.3201	12.37	11.97	11.78	12.51	12.32
89.4220	12.37	11.98	11.82	12.48	12.27
89.5240	12.33	11.97	11.83	12.48	12.21
89.6259	12.35	11.91	11.87	12.53	12.21
89.7279	12.41	11.90	11.90	12.49	12.33
89.8299	12.41	11.95	11.85	12.42	12.40
89.9318	12.38	11.96	11.84	12.43	12.34
90.0338	12.33	11.96	11.79	12.42	12.23
90.1358	12.28	11.98	11.76	12.39	12.22
90.2377	12.32	11.97	11.75	12.43	12.25
90.3397	12.35	11.98	11.69	12.44	12.35
90.4417	12.33	12.02	11.63	12.41	12.32
90.5436	12.32	12.01	11.70	12.47	12.20
90.6456	12.30	11.99	11.71	12.51	12.14
90.7475	12.31	11.97	11.75	12.48	12.24
90.8495	12.38	11.98	11.83	12.45	12.31
90.9515	12.36	12.01	11.86	12.39	12.31
91.0534	12.31	12.01	11.88	12.39	12.22
91.1554	12.29	11.99	11.94	12.45	12.14
91.2574	12.30	11.97	11.89	12.40	12.23
91.3593	12.34	11.99	11.87	12.35	12.36
91.4613	12.39	12.00	11.86	12.38	12.38
91.5633	12.36	11.99	11.79	12.41	12.30
91.6652	12.32	11.98	11.71	12.46	12.25

91.7672	12.36	11.97	11.76	12.49	12.27
91.8691	12.38	11.96	11.74	12.47	12.35
91.9711	12.37	11.95	11.72	12.41	12.38
92.0731	12.36	11.94	11.80	12.41	12.28
92.1750	12.31	11.93	11.86	12.47	12.18
92.2770	12.29	11.90	11.84	12.49	12.19
92.3790	12.36	11.87	11.89	12.45	12.30
92.4809	12.42	11.88	11.90	12.42	12.35
92.5829	12.40	11.89	11.86	12.41	12.34
92.6848	12.37	11.89	11.83	12.48	12.26
92.7868	12.39	11.88	11.82	12.54	12.30
92.8888	12.41	11.88	11.73	12.48	12.41
92.9907	12.41	11.93	11.73	12.42	12.44
93.0927	12.38	11.95	11.72	12.43	12.34
93.1947	12.32	11.93	11.69	12.46	12.27
93.2966	12.35	11.90	11.70	12.50	12.28
93.3986	12.39	11.91	11.74	12.51	12.33
93.5006	12.40	11.93	11.73	12.48	12.37
93.6025	12.42	11.94	11.82	12.46	12.33
93.7045	12.39	11.95	11.86	12.48	12.23
93.8064	12.35	11.95	11.85	12.50	12.25
93.9084	12.38	11.96	11.83	12.51	12.36
94.0104	12.44	11.97	11.87	12.49	12.40
94.1123	12.41	11.97	11.80	12.43	12.37
94.2143	12.37	11.95	11.79	12.44	12.31
94.3163	12.35	11.96	11.73	12.51	12.30
94.4182	12.40	11.93	11.68	12.51	12.40
94.5202	12.46	11.94	11.67	12.47	12.48
94.6222	12.42	11.98	11.74	12.44	12.36
94.7241	12.33	11.98	11.72	12.41	12.24
94.8261	12.31	11.94	11.77	12.42	12.22
94.9280	12.34	11.94	11.80	12.44	12.29
95.0300	12.35	11.93	11.82	12.40	12.34
95.1320	12.38	11.92	11.82	12.38	12.34
95.2339	12.36	11.96	11.82	12.43	12.25
95.3359	12.34	11.93	11.80	12.47	12.23
95.4379	12.38	11.89	11.73	12.48	12.32
95.5398	12.40	11.91	11.70	12.50	12.38
95.6418	12.40	11.93	11.70	12.47	12.36
95.7438	12.36	11.92	11.64	12.42	12.25
95.8457	12.27	11.91	11.66	12.43	12.15
95.9477	12.27	11.87	11.65	12.45	12.22
96.0496	12.35	11.87	11.66	12.41	12.36
96.1516	12.38	11.89	11.71	12.40	12.36
96.2536	12.35	11.89	11.75	12.41	12.27
96.3555	12.33	11.88	11.74	12.42	12.23
96.4575	12.35	11.86	11.78	12.49	12.24
96.5595	12.41	11.83	11.80	12.48	12.37
96.6614	12.41	11.85	11.78	12.43	12.39
96.7634	12.37	11.90	11.74	12.46	12.29
96.8654	12.32	11.88	11.75	12.50	12.18
96.9673	12.30	11.83	11.68	12.48	12.22
97.0693	12.33	11.84	11.69	12.44	12.29
97.1712	12.37	11.85	11.65	12.44	12.35
97.2732	12.36	11.87	11.67	12.43	12.32
97.3752	12.31	11.91	11.68	12.46	12.21
97.4771	12.32	11.90	11.72	12.49	12.21
97.5791	12.38	11.87	11.76	12.44	12.37
97.6811	12.41	11.90	11.83	12.39	12.41
97.7830	12.39	11.95	11.85	12.41	12.32
97.8850	12.35	11.94	11.85	12.43	12.28

97.9870	12.35	11.91	11.83	12.46	12.29
98.0889	12.41	11.87	11.86	12.47	12.36
98.1909	12.44	11.86	11.85	12.45	12.42
98.2928	12.42	11.90	11.79	12.44	12.36
98.3948	12.35	11.91	11.78	12.48	12.25
98.4968	12.31	11.90	11.78	12.50	12.23
98.5987	12.32	11.90	11.80	12.48	12.28
98.7007	12.36	11.92	11.82	12.42	12.31
98.8027	12.35	11.95	11.82	12.38	12.32
98.9046	12.32	11.98	11.82	12.41	12.27
99.0066	12.34	11.98	11.88	12.47	12.27
99.1086	12.41	11.94	11.89	12.46	12.39
99.2105	12.46	11.93	11.84	12.44	12.48
99.3125	12.48	11.94	11.90	12.45	12.41
99.4144	12.41	11.94	11.89	12.47	12.30
99.5164	12.33	11.92	11.81	12.47	12.25
99.6184	12.33	11.89	11.80	12.50	12.26
99.7203	12.33	11.87	11.82	12.46	12.28
99.8223	12.28	11.92	11.71	12.37	12.21
99.9243	12.23	11.91	11.72	12.40	12.08
100.0262	12.22	11.89	11.69	12.44	12.08
100.1282	12.24	11.89	11.69	12.45	12.22
100.2302	12.36	11.89	11.70	12.44	12.33
100.3321	12.39	11.93	11.73	12.39	12.34
100.4341	12.32	11.96	11.72	12.37	12.27
100.5360	12.31	11.94	11.81	12.43	12.20
100.6380	12.33	11.90	11.83	12.46	12.24
100.7400	12.34	11.91	11.79	12.41	12.34
100.8419	12.36	11.92	11.78	12.38	12.31
100.9439	12.34	11.92	11.81	12.38	12.22
101.0459	12.26	11.93	11.77	12.40	12.13
101.1478	12.27	11.90	11.72	12.47	12.16
101.2498	12.29	11.90	11.67	12.46	12.25
101.3517	12.31	11.95	11.67	12.40	12.30
101.4537	12.29	11.99	11.70	12.39	12.17
101.5557	12.23	11.98	11.71	12.41	12.10
101.6576	12.23	11.97	11.72	12.42	12.16
101.7596	12.33	11.97	11.79	12.43	12.30
101.8616	12.39	11.99	11.82	12.39	12.38
101.9635	12.37	11.98	11.83	12.38	12.35
102.0655	12.36	11.96	11.87	12.39	12.24
102.1675	12.35	11.93	11.91	12.44	12.25
102.2694	12.37	11.90	11.85	12.42	12.35
102.3714	12.39	11.89	11.81	12.38	12.39
102.4733	12.36	11.90	11.80	12.40	12.31
102.5753	12.28	11.91	11.79	12.40	12.17
102.6773	12.26	11.87	11.76	12.42	12.15
102.7792	12.30	11.86	11.72	12.48	12.24
102.8812	12.36	11.89	11.69	12.44	12.38
102.9832	12.40	11.91	11.76	12.42	12.37
103.0851	12.36	11.92	11.77	12.47	12.24
103.1871	12.33	11.91	11.78	12.48	12.25
103.2891	12.40	11.88	11.83	12.46	12.34
103.3910	12.44	11.88	11.88	12.46	12.42
103.4930	12.39	11.90	11.87	12.43	12.37
103.5949	12.35	11.88	11.87	12.41	12.26
103.6969	12.31	11.86	11.84	12.46	12.20
103.7989	12.32	11.83	11.79	12.45	12.28
103.9008	12.38	11.84	11.75	12.43	12.37
104.0028	12.40	11.88	11.71	12.45	12.37
104.1048	12.36	11.90	11.67	12.48	12.30

104.2067	12.33	11.91	11.69	12.49	12.25
104.3087	12.34	11.90	11.68	12.50	12.26
104.4107	12.35	11.91	11.69	12.44	12.35
104.5126	12.37	11.93	11.76	12.41	12.36
104.6146	12.36	11.95	11.80	12.45	12.24
104.7165	12.31	11.91	11.79	12.47	12.21
104.8185	12.34	11.86	11.80	12.44	12.28
104.9205	12.39	11.89	11.81	12.41	12.35
105.0224	12.40	11.89	11.78	12.37	12.38
105.1244	12.37	11.89	11.72	12.37	12.31
105.2264	12.31	11.92	11.69	12.43	12.23
105.3283	12.30	11.89	11.66	12.44	12.25
105.4303	12.34	11.86	11.64	12.39	12.35
105.5323	12.34	11.92	11.63	12.39	12.33
105.6342	12.32	11.96	11.67	12.42	12.24
105.7362	12.30	11.92	11.67	12.46	12.19
105.8381	12.30	11.90	11.69	12.47	12.21
105.9401	12.34	11.88	11.74	12.44	12.28
106.0421	12.37	11.90	11.78	12.37	12.34
106.1440	12.33	11.92	11.80	12.36	12.25
106.2460	12.27	11.92	11.80	12.41	12.16
106.3480	12.28	11.87	11.74	12.41	12.19
106.4499	12.33	11.86	11.73	12.41	12.32
106.5519	12.38	11.87	11.69	12.38	12.39
106.6539	12.37	11.90	11.65	12.35	12.33
106.7558	12.32	11.90	11.61	12.44	12.22
106.8578	12.31	11.86	11.60	12.50	12.20
106.9597	12.34	11.82	11.61	12.47	12.31
107.0617	12.38	11.84	11.68	12.43	12.37
107.1637	12.36	11.88	11.71	12.41	12.29
107.2656	12.29	11.88	11.74	12.41	12.17
107.3676	12.25	11.86	11.78	12.44	12.14
107.4696	12.30	11.83	11.83	12.47	12.24
107.5715	12.37	11.82	11.79	12.43	12.36
107.6735	12.38	11.88	11.76	12.38	12.32
107.7755	12.33	11.91	11.76	12.41	12.23
107.8774	12.31	11.87	11.70	12.44	12.22
107.9794	12.35	11.86	11.65	12.47	12.31
108.0813	12.40	11.88	11.67	12.47	12.41
108.1833	12.38	11.90	11.66	12.39	12.41
108.2853	12.32	11.95	11.67	12.40	12.26
108.3872	12.29	11.94	11.73	12.44	12.18
108.4892	12.32	11.85	11.77	12.47	12.28
108.5912	12.38	11.87	11.81	12.43	12.38
108.6931	12.40	11.92	11.85	12.42	12.36
108.7951	12.36	11.92	11.86	12.42	12.26
108.8971	12.32	11.94	11.86	12.43	12.22
108.9990	12.34	11.92	11.89	12.45	12.24
109.1010	12.37	11.90	11.86	12.43	12.37
109.2029	12.37	11.94	11.78	12.39	12.39
109.3049	12.33	11.96	11.79	12.38	12.28
109.4069	12.29	11.92	11.76	12.42	12.22
109.5088	12.30	11.91	11.71	12.45	12.25
109.6108	12.36	11.90	11.73	12.47	12.33
109.7128	12.39	11.91	11.76	12.43	12.35
109.8147	12.34	11.92	11.73	12.39	12.29
109.9167	12.31	11.93	11.81	12.39	12.20
110.0186	12.29	11.88	11.83	12.41	12.20
110.1206	12.31	11.86	11.84	12.38	12.27
110.2226	12.34	11.88	11.84	12.37	12.29
110.3245	12.30	11.91	11.82	12.39	12.21

110.4265	12.25	11.91	11.75	12.39	12.17
110.5285	12.28	11.87	11.77	12.44	12.18
110.6304	12.33	11.86	11.72	12.45	12.28
110.7324	12.33	11.89	11.62	12.41	12.31
110.8344	12.30	11.91	11.65	12.40	12.22
110.9363	12.23	11.91	11.68	12.40	12.13
111.0383	12.21	11.87	11.65	12.39	12.14
111.1402	12.26	11.85	11.72	12.36	12.21
111.2422	12.28	11.87	11.75	12.35	12.24
111.3442	12.28	11.91	11.76	12.34	12.23
111.4461	12.30	11.93	11.78	12.39	12.18
111.5481	12.29	11.89	11.81	12.44	12.19
111.6501	12.33	11.86	11.78	12.43	12.29
111.7520	12.38	11.90	11.78	12.42	12.34
111.8540	12.35	11.93	11.79	12.41	12.28
111.9560	12.26	11.94	11.72	12.40	12.14
112.0579	12.23	11.93	11.70	12.43	12.13
112.1599	12.26	11.90	11.73	12.42	12.21
112.2618	12.28	11.91	11.67	12.36	12.29
112.3638	12.29	11.93	11.68	12.33	12.26
112.4658	12.27	11.96	11.73	12.38	12.16
112.5677	12.26	11.95	11.75	12.42	12.16
112.6697	12.33	11.88	11.76	12.42	12.30
112.7717	12.38	11.90	11.83	12.38	12.39
112.8736	12.38	11.93	11.84	12.35	12.38
112.9756	12.37	11.94	11.88	12.36	12.29
113.0776	12.33	11.93	11.86	12.44	12.21
113.1795	12.32	11.86	11.85	12.46	12.26
113.2815	12.38	11.85	11.80	12.41	12.39
113.3834	12.39	11.90	11.79	12.40	12.37
113.4854	12.34	11.89	11.74	12.42	12.27
113.5874	12.30	11.87	11.74	12.46	12.17
113.6893	12.29	11.86	11.71	12.50	12.19
113.7913	12.32	11.85	11.71	12.47	12.30
113.8933	12.36	11.88	11.75	12.39	12.35
113.9952	12.33	11.92	11.78	12.39	12.25
114.0972	12.30	11.91	11.79	12.43	12.20
114.1992	12.34	11.83	11.84	12.46	12.28
114.3011	12.41	11.83	11.82	12.47	12.40
114.4031	12.44	11.86	11.79	12.42	12.46
114.5050	12.42	11.87	11.80	12.40	12.36
114.6070	12.36	11.85	11.80	12.45	12.23
114.7090	12.30	11.80	11.72	12.49	12.20
114.8109	12.31	11.80	11.66	12.45	12.28
114.9129	12.32	11.85	11.67	12.40	12.28
115.0149	12.27	11.87	11.66	12.38	12.21
115.1168	12.23	11.85	11.62	12.36	12.14
115.2188	12.23	11.87	11.63	12.41	12.13
115.3208	12.29	11.85	11.66	12.43	12.25
115.4227	12.38	11.88	11.70	12.41	12.39
115.5247	12.41	11.93	11.69	12.39	12.36
115.6266	12.35	11.93	11.74	12.41	12.27
115.7286	12.32	11.89	11.75	12.41	12.25
115.8306	12.33	11.86	11.75	12.42	12.29
115.9325	12.35	11.87	11.75	12.41	12.33
116.0345	12.33	11.88	11.73	12.35	12.27
116.1365	12.28	11.90	11.69	12.34	12.16
116.2384	12.24	11.83	11.69	12.39	12.14
116.3404	12.26	11.80	11.64	12.42	12.22
116.4424	12.32	11.87	11.62	12.40	12.31
116.5443	12.33	11.92	11.64	12.41	12.25

116.6463	12.29	11.93	11.68	12.38	12.21
116.7482	12.26	11.92	11.68	12.38	12.19
116.8502	12.27	11.90	11.71	12.40	12.24
116.9522	12.33	11.90	11.78	12.37	12.35
117.0541	12.36	11.92	11.81	12.38	12.35
117.1561	12.35	11.90	11.77	12.38	12.24
117.2581	12.31	11.85	11.77	12.39	12.21
117.3600	12.31	11.79	11.74	12.42	12.26
117.4620	12.36	11.78	11.75	12.42	12.34
117.5640	12.37	11.81	11.68	12.39	12.32
117.6659	12.29	11.86	11.65	12.41	12.20
117.7679	12.25	11.82	11.65	12.44	12.13
117.8698	12.27	11.79	11.64	12.45	12.21
117.9718	12.31	11.82	11.65	12.43	12.32
118.0738	12.35	11.87	11.70	12.41	12.32
118.1757	12.33	11.90	11.73	12.41	12.24
118.2777	12.30	11.88	11.74	12.43	12.20
118.3797	12.33	11.86	11.77	12.48	12.24
118.4816	12.36	11.86	11.84	12.42	12.38
118.5836	12.39	11.87	11.82	12.37	12.40
118.6855	12.37	11.88	11.82	12.39	12.27
118.7875	12.29	11.87	11.79	12.43	12.18
118.8895	12.28	11.85	11.75	12.44	12.22
118.9914	12.35	11.82	11.74	12.43	12.34
119.0934	12.39	11.83	11.71	12.40	12.39
119.1954	12.35	11.92	11.66	12.39	12.30
119.2973	12.31	11.94	11.69	12.44	12.21
119.3993	12.30	11.92	11.71	12.47	12.22
119.5013	12.33	11.88	11.74	12.42	12.33
119.6032	12.37	11.91	11.78	12.39	12.35
119.7052	12.32	11.95	11.84	12.37	12.26
119.8071	12.27	11.95	11.83	12.38	12.17
119.9091	12.29	11.91	11.86	12.42	12.17
120.0111	12.31	11.86	11.83	12.42	12.27
120.1130	12.33	11.88	11.80	12.35	12.36
120.2150	12.37	11.89	11.78	12.33	12.30
120.3170	12.32	11.89	11.72	12.38	12.21
120.4189	12.26	11.88	11.66	12.41	12.19
120.5209	12.29	11.85	11.71	12.42	12.25
120.6229	12.33	11.86	11.67	12.37	12.32
120.7248	12.31	11.90	11.65	12.35	12.28
120.8268	12.26	11.92	11.71	12.38	12.17
120.9287	12.24	11.90	11.76	12.42	12.10
121.0307	12.26	11.83	11.76	12.42	12.20
121.1327	12.33	11.85	11.77	12.39	12.28
121.2346	12.32	11.90	11.76	12.34	12.26
121.3366	12.25	11.90	11.76	12.33	12.17
121.4386	12.23	11.89	11.75	12.36	12.11
121.5405	12.24	11.84	11.73	12.42	12.15
121.6425	12.26	11.85	11.66	12.41	12.25
121.7445	12.29	11.88	11.66	12.35	12.26
121.8464	12.28	11.91	11.64	12.35	12.22
121.9484	12.26	11.88	11.61	12.42	12.18
122.0503	12.29	11.84	11.67	12.47	12.21
122.1523	12.33	11.85	11.73	12.44	12.27
122.2543	12.34	11.87	11.70	12.38	12.28
122.3562	12.31	11.90	11.76	12.35	12.21
122.4582	12.24	11.91	11.84	12.39	12.12
122.5602	12.22	11.90	11.82	12.41	12.15
122.6621	12.29	11.87	11.77	12.38	12.25
122.7641	12.32	11.92	11.77	12.37	12.27

122.8661	12.30	11.95	11.70	12.36	12.24
122.9680	12.29	11.93	11.71	12.36	12.20
123.0700	12.30	11.90	11.69	12.43	12.24
123.1719	12.33	11.87	11.66	12.44	12.33
123.2739	12.37	11.91	11.67	12.39	12.36
123.3759	12.34	11.93	11.74	12.38	12.27
123.4778	12.28	11.93	11.75	12.38	12.19
123.5798	12.28	11.87	11.80	12.42	12.21
123.6818	12.34	11.85	11.85	12.44	12.30
123.7837	12.38	11.88	11.87	12.39	12.35
123.8857	12.38	11.91	11.85	12.37	12.31
123.9877	12.33	11.92	11.86	12.42	12.20
124.0896	12.29	11.88	11.83	12.45	12.22
124.1916	12.33	11.85	11.79	12.42	12.32
124.2935	12.37	11.88	11.73	12.40	12.36
124.3955	12.34	11.89	11.71	12.41	12.29
124.4975	12.28	11.88	11.69	12.42	12.19
124.5994	12.26	11.86	11.68	12.44	12.17
124.7014	12.30	11.79	11.65	12.43	12.27
124.8034	12.35	11.80	11.69	12.41	12.36
124.9053	12.37	11.86	11.73	12.42	12.31
125.0073	12.34	11.85	11.76	12.40	12.20
125.1093	12.31	11.77	11.79	12.42	12.21
125.2112	12.32	11.78	11.79	12.40	12.26
125.3132	12.34	11.83	11.77	12.38	12.35
125.4151	12.34	11.84	11.77	12.34	12.32
125.5171	12.28	11.86	11.73	12.37	12.19
125.6191	12.23	11.85	11.68	12.43	12.12
125.7210	12.26	11.83	11.60	12.43	12.20
125.8230	12.29	11.85	11.59	12.40	12.29
125.9250	12.32	11.88	11.59	12.38	12.29
126.0269	12.28	11.89	11.60	12.39	12.19
126.1289	12.24	11.88	11.60	12.41	12.14
126.2309	12.26	11.84	11.65	12.40	12.16
126.3328	12.29	11.83	11.68	12.35	12.29
126.4348	12.32	11.87	11.73	12.31	12.31
126.5367	12.30	11.92	11.79	12.33	12.22
126.6387	12.28	11.89	11.78	12.39	12.18
126.7407	12.32	11.85	11.72	12.43	12.24
126.8426	12.36	11.84	11.74	12.43	12.32
126.9446	12.37	11.89	11.70	12.39	12.36
127.0466	12.31	11.93	11.66	12.35	12.28
127.1485	12.25	11.91	11.64	12.40	12.14
127.2505	12.21	11.86	11.62	12.42	12.14
127.3524	12.23	11.87	11.60	12.37	12.20
127.4544	12.28	11.89	11.66	12.32	12.24
127.5564	12.29	11.90	11.65	12.31	12.23
127.6583	12.26	11.92	11.67	12.36	12.17
127.7603	12.29	11.87	11.74	12.44	12.19
127.8623	12.37	11.81	11.78	12.45	12.33
127.9642	12.41	11.84	11.74	12.38	12.40
128.0662	12.40	11.91	11.80	12.37	12.33
128.1682	12.31	11.88	11.80	12.39	12.24
128.2701	12.28	11.83	11.73	12.44	12.22
128.3721	12.32	11.80	11.72	12.45	12.26
128.4740	12.33	11.81	11.71	12.42	12.29
128.5760	12.30	11.87	11.67	12.38	12.23
128.6780	12.28	11.88	11.66	12.40	12.17
128.7799	12.26	11.83	11.64	12.44	12.17
128.8819	12.28	11.82	11.67	12.45	12.26
128.9839	12.35	11.85	11.73	12.43	12.32

129.0858	12.37	11.88	11.76	12.37	12.30
129.1878	12.31	11.89	11.74	12.37	12.24
129.2898	12.29	11.85	11.81	12.41	12.22
129.3917	12.34	11.82	11.84	12.44	12.31
129.4937	12.39	11.81	11.81	12.40	12.41
129.5956	12.41	11.85	11.76	12.39	12.34
129.6976	12.33	11.88	11.76	12.40	12.23
129.7996	12.27	11.85	11.71	12.41	12.19
129.9015	12.30	11.81	11.71	12.44	12.24
130.0035	12.32	11.84	11.68	12.40	12.29
130.1055	12.28	11.91	11.67	12.36	12.25
130.2074	12.25	11.92	11.67	12.36	12.15
130.3094	12.22	11.90	11.69	12.37	12.12
130.4114	12.24	11.90	11.71	12.38	12.20
130.5133	12.32	11.88	11.77	12.38	12.33
130.6153	12.36	11.91	11.78	12.38	12.33
130.7172	12.34	11.92	11.78	12.34	12.26
130.8192	12.31	11.90	11.78	12.36	12.20
130.9212	12.29	11.85	11.81	12.41	12.23
131.0231	12.31	11.82	11.79	12.38	12.31
131.1251	12.34	11.84	11.74	12.34	12.30
131.2271	12.27	11.87	11.70	12.34	12.17
131.3290	12.18	11.86	11.70	12.34	12.10
131.4310	12.21	11.81	11.67	12.38	12.13
131.5330	12.28	11.80	11.66	12.38	12.24
131.6349	12.29	11.86	11.64	12.39	12.26
131.7369	12.29	11.94	11.66	12.37	12.20
131.8388	12.26	11.92	11.70	12.40	12.13
131.9408	12.23	11.86	11.73	12.41	12.15
132.0428	12.28	11.86	11.75	12.38	12.24
132.1447	12.30	11.89	11.77	12.37	12.27
132.2467	12.29	11.87	11.76	12.35	12.23
132.3487	12.27	11.85	11.77	12.36	12.15
132.4506	12.25	11.82	11.74	12.42	12.12
132.5526	12.27	11.78	11.69	12.42	12.22
132.6546	12.33	11.78	11.66	12.37	12.29
132.7565	12.31	11.86	11.65	12.37	12.23
132.8585	12.24	11.89	11.62	12.38	12.12
132.9604	12.22	11.84	11.67	12.42	12.14
133.0624	12.27	11.86	11.66	12.41	12.22
133.1644	12.31	11.89	11.67	12.38	12.30
133.2663	12.32	11.93	11.73	12.34	12.30
133.3683	12.31	11.94	11.79	12.39	12.20
133.4703	12.28	11.91	11.79	12.43	12.17
133.5722	12.32	11.85	11.81	12.41	12.26
133.6742	12.34	11.87	11.79	12.38	12.31
133.7762	12.34	11.90	11.79	12.35	12.29
133.8781	12.31	11.89	11.76	12.37	12.23
133.9801	12.27	11.87	11.76	12.42	12.18
134.0820	12.28	11.84	11.71	12.43	12.23
134.1840	12.32	11.84	11.68	12.39	12.32
134.2860	12.35	11.89	11.68	12.38	12.33
134.3879	12.33	11.93	11.72	12.38	12.25
134.4899	12.30	11.91	11.75	12.43	12.21
134.5919	12.31	11.86	11.76	12.47	12.24
134.6938	12.34	11.86	11.78	12.41	12.33
134.7958	12.34	11.90	11.83	12.35	12.31
134.8978	12.29	11.92	11.85	12.34	12.20
134.9997	12.25	11.87	11.82	12.38	12.16
135.1017	12.28	11.78	11.77	12.41	12.23
135.2036	12.33	11.80	11.74	12.41	12.30

135.3056	12.33	11.82	11.69	12.38	12.31
135.4076	12.32	11.83	11.65	12.34	12.25
135.5095	12.28	11.81	11.61	12.39	12.19
135.6115	12.28	11.76	11.61	12.44	12.22
135.7135	12.30	11.77	11.63	12.41	12.29
135.8154	12.33	11.85	11.65	12.37	12.30
135.9174	12.31	11.87	11.67	12.36	12.21
136.0193	12.25	11.82	11.73	12.37	12.14
136.1213	12.24	11.82	11.75	12.40	12.16
136.2233	12.27	11.82	11.76	12.41	12.23
136.3252	12.32	11.82	11.73	12.36	12.30
136.4272	12.31	11.88	11.74	12.33	12.22
136.5292	12.26	11.89	11.69	12.36	12.12
136.6311	12.22	11.82	11.65	12.40	12.14
136.7331	12.26	11.81	11.60	12.40	12.25
136.8351	12.30	11.86	11.61	12.38	12.29
136.9370	12.28	11.89	11.61	12.35	12.24
137.0390	12.25	11.90	11.62	12.34	12.15
137.1409	12.25	11.84	11.61	12.40	12.16
137.2429	12.29	11.82	11.66	12.41	12.25
137.3449	12.33	11.85	11.71	12.39	12.34
137.4468	12.36	11.90	11.76	12.35	12.28
137.5488	12.31	11.92	11.75	12.34	12.19
137.6508	12.25	11.89	11.75	12.35	12.14
137.7527	12.24	11.86	11.77	12.38	12.18
137.8547	12.28	11.87	11.74	12.33	12.28
137.9567	12.29	11.92	11.68	12.34	12.27
138.0586	12.29	11.92	11.66	12.37	12.18
138.1606	12.25	11.89	11.63	12.40	12.18
138.2625	12.27	11.83	11.60	12.41	12.24
138.3645	12.35	11.83	11.65	12.40	12.34
138.4665	12.35	11.88	11.69	12.39	12.33
138.5684	12.30	11.91	11.71	12.38	12.22
138.6704	12.26	11.86	11.77	12.40	12.15
138.7724	12.28	11.78	11.78	12.40	12.20
138.8743	12.32	11.82	11.80	12.38	12.30
138.9763	12.36	11.85	11.83	12.36	12.31
139.0783	12.35	11.87	11.78	12.38	12.26
139.1802	12.30	11.83	11.70	12.42	12.23
139.2822	12.31	11.80	11.73	12.44	12.23
139.3841	12.33	11.80	11.68	12.43	12.32
139.4861	12.33	11.83	11.61	12.38	12.32
139.5881	12.30	11.87	11.64	12.38	12.24
139.6900	12.23	11.85	11.69	12.40	12.13
139.7920	12.22	11.80	11.65	12.43	12.16
139.8940	12.30	11.78	11.71	12.42	12.27
139.9959	12.35	11.82	11.75	12.37	12.31
140.0979	12.34	11.87	11.77	12.36	12.26
140.1999	12.32	11.84	11.78	12.39	12.22
140.3018	12.33	11.80	11.80	12.41	12.25
140.4038	12.34	11.80	11.78	12.39	12.34
140.5057	12.36	11.85	11.77	12.36	12.32
140.6077	12.31	11.91	11.71	12.34	12.23
140.7097	12.24	11.87	11.65	12.36	12.17
140.8116	12.23	11.84	11.64	12.42	12.16
140.9136	12.24	11.87	11.64	12.41	12.21
141.0156	12.26	11.87	11.59	12.35	12.26
141.1175	12.28	11.90	11.60	12.32	12.23
141.2195	12.26	11.90	11.65	12.35	12.14
141.3215	12.22	11.88	11.72	12.40	12.14
141.4234	12.28	11.83	11.74	12.39	12.25

141.5254	12.35	11.84	11.76	12.34	12.33
141.6273	12.33	11.90	11.78	12.28	12.27
141.7293	12.28	11.90	11.81	12.32	12.18
141.8313	12.27	11.87	11.78	12.39	12.17
141.9332	12.29	11.81	11.72	12.41	12.25
142.0352	12.33	11.83	11.70	12.38	12.31
142.1372	12.31	11.88	11.67	12.36	12.23
142.2391	12.23	11.90	11.59	12.36	12.13
142.3411	12.19	11.87	11.61	12.38	12.09
142.4431	12.19	11.81	11.63	12.41	12.13
142.5450	12.22	11.85	11.63	12.38	12.19
142.6470	12.25	11.89	11.64	12.31	12.19
142.7489	12.24	11.90	11.68	12.32	12.14
142.8509	12.22	11.86	11.73	12.39	12.11
142.9529	12.29	11.81	11.77	12.43	12.21
143.0548	12.37	11.82	11.75	12.43	12.32
143.1568	12.37	11.84	11.76	12.37	12.35
143.2588	12.34	11.87	11.74	12.35	12.26
143.3607	12.28	11.88	11.75	12.39	12.17
143.4627	12.25	11.80	11.70	12.43	12.19
143.5647	12.27	11.79	11.67	12.40	12.26
143.6666	12.28	11.87	11.64	12.35	12.23
143.7686	12.23	11.90	11.67	12.34	12.16
143.8705	12.21	11.87	11.66	12.35	12.13
143.9725	12.25	11.84	11.66	12.41	12.15
144.0745	12.29	11.87	11.71	12.43	12.24
144.1764	12.34	11.90	11.76	12.37	12.30
144.2784	12.34	11.93	11.77	12.36	12.27
144.3804	12.30	11.92	11.81	12.37	12.23
144.4823	12.28	11.85	11.83	12.41	12.22
144.5843	12.33	11.84	11.82	12.41	12.30
144.6862	12.37	11.85	11.79	12.39	12.33
144.7882	12.35	11.86	11.77	12.37	12.30
144.8902	12.29	11.87	11.73	12.38	12.19
144.9921	12.25	11.82	11.72	12.40	12.17
145.0941	12.26	11.79	11.67	12.39	12.24
145.1961	12.29	11.84	11.65	12.36	12.28
145.2980	12.29	11.92	11.69	12.33	12.23
145.4000	12.24	11.91	11.74	12.34	12.16
145.5020	12.22	11.86	11.72	12.38	12.17
145.6039	12.28	11.83	11.74	12.38	12.24
145.7059	12.34	11.86	11.77	12.36	12.30
145.8078	12.35	11.88	11.79	12.36	12.29
145.9098	12.32	11.85	11.78	12.37	12.21
146.0118	12.27	11.79	11.75	12.39	12.21
146.1137	12.28	11.76	11.71	12.39	12.23
146.2157	12.30	11.79	11.70	12.37	12.26
146.3177	12.30	11.80	11.66	12.33	12.24
146.4196	12.25	11.82	11.64	12.34	12.16
146.5216	12.21	11.80	11.61	12.41	12.12
146.6236	12.23	11.78	11.64	12.39	12.19
146.7255	12.27	11.82	11.61	12.38	12.25
146.8275	12.31	11.88	11.64	12.35	12.23
146.9294	12.28	11.90	11.69	12.37	12.16
147.0314	12.24	11.88	11.70	12.40	12.16
147.1334	12.26	11.82	11.70	12.40	12.20
147.2353	12.29	11.83	11.74	12.34	12.28
147.3373	12.30	11.88	11.72	12.30	12.25
147.4393	12.26	11.87	11.72	12.34	12.15
147.5412	12.22	11.82	11.69	12.37	12.15
147.6432	12.24	11.78	11.64	12.38	12.18

147.7452	12.30	11.81	11.61	12.37	12.27
147.8471	12.31	11.84	11.61	12.35	12.29
147.9491	12.29	11.90	11.60	12.32	12.22
148.0510	12.26	11.89	11.63	12.38	12.16
148.1530	12.24	11.87	11.67	12.40	12.19
148.2550	12.26	11.89	11.70	12.38	12.28
148.3569	12.34	11.92	11.73	12.35	12.31
148.4589	12.31	11.93	11.77	12.32	12.24
148.5609	12.25	11.92	11.76	12.35	12.16
148.6628	12.27	11.87	11.76	12.42	12.18
148.7648	12.31	11.81	11.73	12.41	12.29
148.8668	12.34	11.84	11.74	12.36	12.32
148.9687	12.33	11.87	11.72	12.33	12.23
149.0707	12.27	11.85	11.65	12.36	12.17
149.1726	12.23	11.80	11.64	12.41	12.17
149.2746	12.29	11.77	11.70	12.41	12.27
149.3766	12.33	11.83	11.67	12.39	12.34
149.4785	12.34	11.87	11.67	12.34	12.31
149.5805	12.31	11.86	11.70	12.38	12.23
149.6825	12.29	11.83	11.74	12.43	12.20
149.7844	12.30	11.80	11.74	12.44	12.27
149.8864	12.36	11.81	11.80	12.40	12.32
149.9884	12.34	11.86	11.77	12.35	12.28
150.0903	12.25	11.86	11.75	12.33	12.17
150.1923	12.22	11.78	11.74	12.38	12.12
150.2942	12.26	11.75	11.70	12.42	12.20
150.3962	12.32	11.77	11.64	12.40	12.31
150.4982	12.35	11.81	11.65	12.36	12.30
150.6001	12.30	11.81	11.61	12.37	12.23
150.7021	12.27	11.77	11.60	12.41	12.20
150.8041	12.30	11.75	11.63	12.44	12.25
150.9060	12.33	11.81	11.71	12.40	12.29
151.0080	12.31	11.86	11.72	12.34	12.27
151.1100	12.28	11.87	11.74	12.32	12.20
151.2119	12.24	11.83	11.76	12.36	12.16
151.3139	12.23	11.81	11.78	12.37	12.19
151.4158	12.29	11.82	11.75	12.35	12.27
151.5178	12.32	11.87	11.71	12.34	12.25
151.6198	12.28	11.88	11.67	12.33	12.20
151.7217	12.23	11.84	11.67	12.36	12.15
151.8237	12.23	11.83	11.62	12.40	12.18
151.9257	12.27	11.82	11.60	12.37	12.25
152.0276	12.30	11.86	11.63	12.35	12.25
152.1296	12.27	11.91	11.66	12.34	12.19
152.2316	12.22	11.88	11.67	12.34	12.16
152.3335	12.24	11.82	11.72	12.37	12.19
152.4355	12.31	11.82	11.75	12.37	12.26
152.5374	12.32	11.87	11.76	12.34	12.25
152.6394	12.30	11.89	11.78	12.34	12.20
152.7414	12.26	11.90	11.78	12.36	12.15
152.8433	12.23	11.84	11.73	12.38	12.17
152.9453	12.25	11.80	11.73	12.36	12.23
153.0473	12.27	11.89	11.66	12.36	12.22
153.1492	12.24	11.88	11.62	12.33	12.15
153.2512	12.20	11.87	11.61	12.36	12.11
153.3531	12.21	11.83	11.63	12.42	12.13
153.4551	12.26	11.80	11.60	12.40	12.25
153.5571	12.32	11.82	11.63	12.37	12.29
153.6590	12.32	11.87	11.69	12.36	12.23
153.7610	12.27	11.89	11.74	12.37	12.15
153.8630	12.25	11.81	11.77	12.39	12.16

153.9649	12.28	11.79	11.81	12.38	12.25
154.0669	12.30	11.83	11.79	12.34	12.28
154.1689	12.30	11.88	11.77	12.32	12.24
154.2708	12.28	11.90	11.74	12.35	12.16
154.3728	12.26	11.84	11.73	12.44	12.16
154.4747	12.28	11.81	11.68	12.44	12.24
154.5767	12.30	11.86	11.63	12.39	12.29
154.6787	12.30	11.88	11.62	12.34	12.26
154.7806	12.25	11.89	11.67	12.36	12.17
154.8826	12.22	11.87	11.70	12.41	12.11
154.9846	12.23	11.83	11.73	12.42	12.17
155.0865	12.28	11.82	11.75	12.36	12.26
155.1885	12.32	11.87	11.80	12.30	12.29
155.2905	12.33	11.89	11.83	12.33	12.24
155.3924	12.31	11.85	11.81	12.39	12.20
155.4944	12.31	11.84	11.78	12.40	12.25
155.5963	12.34	11.83	11.77	12.36	12.34
155.6983	12.33	11.88	11.71	12.32	12.35
155.8003	12.28	11.92	11.70	12.31	12.21
155.9022	12.22	11.88	11.66	12.37	12.12
156.0042	12.20	11.81	11.64	12.39	12.15
156.1062	12.24	11.81	11.64	12.39	12.20
156.2081	12.28	11.88	11.68	12.34	12.24
156.3101	12.26	11.87	11.66	12.30	12.20
156.4121	12.22	11.85	11.71	12.35	12.15
156.5140	12.26	11.81	11.76	12.40	12.16
156.6160	12.30	11.79	11.77	12.37	12.25
156.7179	12.33	11.84	11.74	12.33	12.31
156.8199	12.31	11.87	11.78	12.32	12.24
156.9219	12.26	11.84	11.75	12.34	12.18
157.0238	12.24	11.78	11.69	12.40	12.18
157.1258	12.28	11.78	11.63	12.41	12.21
157.2278	12.30	11.82	11.63	12.36	12.26
157.3297	12.26	11.85	11.60	12.34	12.20
157.4317	12.21	11.84	11.59	12.35	12.12
157.5337	12.19	11.79	11.57	12.37	12.12
157.6356	12.21	11.80	11.60	12.38	12.17
157.7376	12.27	11.85	11.68	12.37	12.22
157.8395	12.28	11.89	11.73	12.31	12.20
157.9415	12.24	11.89	11.70	12.32	12.16
158.0435	12.27	11.83	11.74	12.37	12.18
158.1454	12.29	11.81	11.76	12.39	12.24
158.2474	12.32	11.85	11.72	12.37	12.30
158.3494	12.35	11.86	11.69	12.35	12.28
158.4513	12.30	11.88	11.68	12.33	12.22
158.5533	12.23	11.85	11.65	12.37	12.18
158.6553	12.25	11.81	11.62	12.40	12.20
158.7572	12.27	11.84	11.59	12.36	12.24
158.8592	12.26	11.90	11.63	12.32	12.22
158.9611	12.25	11.91	11.65	12.34	12.15
159.0631	12.22	11.86	11.66	12.38	12.16
159.1651	12.25	11.84	11.66	12.39	12.22
159.2670	12.34	11.86	11.74	12.37	12.31
159.3690	12.36	11.90	11.76	12.36	12.29
159.4710	12.32	11.89	11.77	12.36	12.24
159.5729	12.29	11.86	11.76	12.40	12.21
159.6749	12.29	11.80	11.77	12.42	12.25
159.7769	12.32	11.79	11.73	12.38	12.33
159.8788	12.35	11.82	11.72	12.35	12.30
159.9808	12.30	11.84	11.66	12.34	12.21
160.0827	12.24	11.79	11.65	12.38	12.18

160.1847	12.26	11.74	11.62	12.41	12.20
160.2867	12.30	11.76	11.63	12.40	12.28
160.3886	12.31	11.81	11.64	12.33	12.29
160.4906	12.30	11.85	11.67	12.33	12.22
160.5926	12.23	11.83	11.69	12.39	12.14
160.6945	12.23	11.78	11.71	12.42	12.18
160.7965	12.32	11.78	11.75	12.39	12.29
160.8985	12.36	11.83	11.75	12.37	12.31
161.0004	12.32	11.84	11.70	12.36	12.24
161.1024	12.29	11.78	11.70	12.41	12.18
161.2043	12.29	11.73	11.68	12.43	12.20
161.3063	12.29	11.75	11.67	12.39	12.27
161.4083	12.30	11.78	11.63	12.34	12.28
161.5102	12.28	11.82	11.62	12.31	12.21
161.6122	12.22	11.79	11.60	12.33	12.15
161.7142	12.22	11.77	11.65	12.38	12.16
161.8161	12.27	11.81	11.66	12.40	12.24
161.9181	12.30	11.85	11.66	12.35	12.30
162.0200	12.31	11.90	11.70	12.32	12.25
162.1220	12.27	11.88	11.72	12.35	12.17
162.2240	12.24	11.86	11.72	12.40	12.14
162.3259	12.26	11.83	11.76	12.40	12.21
162.4279	12.28	11.85	11.72	12.34	12.25
162.5299	12.27	11.89	11.70	12.28	12.23
162.6318	12.23	11.86	11.67	12.31	12.16
162.7338	12.21	11.83	11.65	12.38	12.12
162.8358	12.24	11.79	11.63	12.40	12.19
162.9377	12.29	11.82	11.65	12.37	12.26
163.0397	12.31	11.90	11.61	12.34	12.24
163.1416	12.28	11.90	11.65	12.33	12.20
163.2436	12.25	11.87	11.70	12.37	12.18
163.3456	12.25	11.85	11.73	12.40	12.18
163.4475	12.28	11.86	11.73	12.37	12.23
163.5495	12.28	11.89	11.77	12.31	12.23
163.6515	12.24	11.90	11.76	12.30	12.16
163.7534	12.20	11.87	11.75	12.34	12.12
163.8554	12.23	11.78	11.72	12.41	12.16
163.9574	12.28	11.81	11.68	12.41	12.21
164.0593	12.29	11.84	11.65	12.34	12.21
164.1613	12.26	11.85	11.65	12.30	12.18
164.2632	12.23	11.83	11.62	12.38	12.15
164.3652	12.24	11.78	11.64	12.42	12.18
164.4672	12.28	11.78	11.68	12.40	12.24
164.5691	12.31	11.84	11.69	12.34	12.24
164.6711	12.28	11.90	11.72	12.34	12.21
164.7731	12.25	11.87	11.78	12.36	12.17
164.8750	12.26	11.82	11.80	12.41	12.21
164.9770	12.31	11.81	11.79	12.41	12.26
165.0790	12.32	11.85	11.76	12.36	12.25
165.1809	12.28	11.89	11.78	12.33	12.18
165.2829	12.21	11.86	11.76	12.34	12.13
165.3848	12.19	11.80	11.71	12.36	12.14
165.4868	12.23	11.81	11.67	12.37	12.20
165.5888	12.28	11.82	11.65	12.35	12.24
165.6907	12.29	11.86	11.66	12.33	12.23
165.7927	12.26	11.87	11.71	12.36	12.18
165.8947	12.27	11.81	11.70	12.41	12.21
165.9966	12.30	11.81	11.71	12.37	12.29
166.0986	12.33	11.86	11.76	12.33	12.34
166.2006	12.33	11.90	11.83	12.31	12.25
166.3025	12.26	11.87	11.80	12.31	12.16

166.4045	12.20	11.83	11.81	12.34	12.13
166.5064	12.24	11.81	11.78	12.34	12.21
166.6084	12.28	11.83	11.72	12.32	12.28
166.7104	12.29	11.88	11.68	12.32	12.23
166.8123	12.26	11.87	11.67	12.34	12.13
166.9143	12.22	11.81	11.62	12.39	12.15
167.0163	12.23	11.79	11.61	12.40	12.19
167.1182	12.27	11.83	11.62	12.37	12.23
167.2202	12.29	11.85	11.67	12.33	12.24
167.3222	12.25	11.86	11.69	12.32	12.16
167.4241	12.22	11.82	11.75	12.37	12.13
167.5261	12.25	11.78	11.76	12.36	12.20
167.6280	12.30	11.80	11.75	12.34	12.28
167.7300	12.34	11.84	11.77	12.31	12.27
167.8320	12.29	11.86	11.74	12.33	12.20
167.9339	12.22	11.81	11.67	12.40	12.15
168.0359	12.25	11.78	11.66	12.41	12.16
168.1379	12.26	11.82	11.60	12.36	12.23
168.2398	12.25	11.85	11.56	12.33	12.23
168.3418	12.23	11.86	11.58	12.34	12.14
168.4438	12.20	11.85	11.57	12.37	12.10
168.5457	12.21	11.80	11.58	12.41	12.14
168.6477	12.28	11.80	11.64	12.39	12.22
168.7496	12.32	11.85	11.67	12.32	12.27
168.8516	12.31	11.89	11.72	12.31	12.23
168.9536	12.29	11.85	11.74	12.37	12.20
169.0555	12.27	11.81	11.74	12.41	12.19
169.1575	12.27	11.81	11.72	12.38	12.26
169.2595	12.33	11.85	11.76	12.32	12.29
169.3614	12.31	11.89	11.69	12.30	12.23
169.4634	12.23	11.87	11.62	12.36	12.17
169.5654	12.22	11.83	11.61	12.43	12.16
169.6673	12.28	11.81	11.62	12.41	12.23
169.7693	12.31	11.84	11.58	12.37	12.27
169.8712	12.31	11.89	11.61	12.34	12.22
169.9732	12.26	11.88	11.64	12.37	12.18
170.0752	12.24	11.81	11.68	12.39	12.19
170.1771	12.29	11.78	11.73	12.39	12.24
170.2791	12.33	11.82	11.77	12.35	12.31
170.3811	12.34	11.86	11.77	12.30	12.28
170.4830	12.31	11.83	11.78	12.32	12.24
170.5850	12.29	11.77	11.74	12.40	12.21
170.6869	12.31	11.76	11.69	12.41	12.29
170.7889	12.35	11.80	11.67	12.38	12.33
170.8909	12.33	11.84	11.66	12.34	12.26
170.9928	12.24	11.82	11.58	12.36	12.17
171.0948	12.20	11.77	11.58	12.39	12.13
171.1968	12.23	11.76	11.59	12.42	12.17
171.2987	12.26	11.78	11.63	12.38	12.24
171.4007	12.28	11.81	11.64	12.33	12.21
171.5027	12.27	11.81	11.66	12.33	12.17
171.6046	12.24	11.77	11.68	12.37	12.16
171.7066	12.30	11.73	11.73	12.41	12.24
171.8085	12.36	11.79	11.74	12.38	12.32
171.9105	12.34	11.84	11.70	12.32	12.30
172.0125	12.29	11.81	11.69	12.31	12.22
172.1144	12.24	11.78	11.70	12.37	12.17
172.2164	12.24	11.76	11.63	12.40	12.19
172.3184	12.28	11.79	11.62	12.38	12.26
172.4203	12.30	11.83	11.60	12.33	12.23
172.5223	12.23	11.85	11.60	12.33	12.17

172.6243	12.20	11.81	11.62	12.36	12.11
172.7262	12.21	11.81	11.65	12.40	12.13
172.8282	12.25	11.85	11.67	12.35	12.21
172.9301	12.28	11.87	11.71	12.31	12.24
173.0321	12.27	11.92	11.72	12.33	12.18
173.1341	12.25	11.90	11.75	12.35	12.16
173.2360	12.24	11.83	11.74	12.39	12.18
173.3380	12.30	11.83	11.73	12.38	12.25
173.4400	12.34	11.86	11.68	12.34	12.28
173.5419	12.29	11.87	11.66	12.31	12.22
173.6439	12.22	11.90	11.64	12.34	12.14
173.7459	12.20	11.82	11.65	12.37	12.13
173.8478	12.23	11.79	11.63	12.35	12.20
173.9498	12.26	11.88	11.62	12.33	12.21
174.0517	12.26	11.92	11.65	12.30	12.19
174.1537	12.21	11.88	11.70	12.34	12.14
174.2557	12.21	11.84	11.70	12.38	12.13
174.3576	12.27	11.83	11.76	12.38	12.20
174.4596	12.31	11.85	11.75	12.33	12.26
174.5616	12.31	11.87	11.75	12.32	12.24
174.6635	12.27	11.89	11.76	12.36	12.16
174.7655	12.22	11.82	11.74	12.40	12.14
174.8675	12.24	11.78	11.71	12.40	12.18
174.9694	12.28	11.80	11.68	12.34	12.22
175.0714	12.26	11.84	11.66	12.30	12.22
175.1733	12.22	11.88	11.63	12.35	12.15
175.2753	12.21	11.80	11.65	12.40	12.13
175.3773	12.25	11.78	11.69	12.39	12.20
175.4792	12.29	11.82	11.66	12.36	12.24
175.5812	12.31	11.87	11.71	12.31	12.24
175.6832	12.27	11.90	11.76	12.31	12.20
175.7851	12.25	11.84	11.79	12.39	12.16
175.8871	12.26	11.81	11.78	12.43	12.18
175.9891	12.27	11.83	11.77	12.35	12.23
176.0910	12.28	11.85	11.77	12.29	12.23
176.1930	12.28	11.86	11.74	12.32	12.19
176.2949	12.24	11.80	11.69	12.37	12.17
176.3969	12.24	11.77	11.68	12.39	12.19
176.4989	12.28	11.80	11.64	12.35	12.25
176.6008	12.29	11.83	11.65	12.27	12.26
176.7028	12.25	11.89	11.66	12.28	12.19
176.8048	12.21	11.85	11.69	12.34	12.14
176.9067	12.23	11.82	11.70	12.37	12.19
177.0087	12.28	11.84	11.72	12.36	12.26
177.1107	12.33	11.89	11.76	12.34	12.27
177.2126	12.30	11.90	11.79	12.31	12.21
177.3146	12.25	11.88	11.76	12.36	12.16
177.4165	12.26	11.82	11.76	12.43	12.17
177.5185	12.28	11.80	11.70	12.40	12.24
177.6205	12.27	11.85	11.71	12.30	12.23
177.7224	12.25	11.86	11.70	12.28	12.16
177.8244	12.19	11.82	11.64	12.32	12.10
177.9264	12.17	11.78	11.59	12.39	12.13
178.0283	12.26	11.77	11.62	12.39	12.21
178.1303	12.32	11.83	11.64	12.34	12.29
178.2323	12.30	11.87	11.64	12.31	12.24
178.3342	12.26	11.85	11.67	12.36	12.16
178.4362	12.25	11.81	11.71	12.39	12.16
178.5381	12.26	11.78	11.71	12.38	12.22
178.6401	12.31	11.83	11.72	12.34	12.25
178.7421	12.27	11.86	11.71	12.30	12.19

178.8440	12.20	11.85	11.71	12.32	12.13
178.9460	12.21	11.78	11.66	12.37	12.11
179.0480	12.24	11.76	11.60	12.39	12.16
179.1499	12.27	11.81	11.58	12.38	12.24
179.2519	12.29	11.84	11.60	12.36	12.23
179.3538	12.26	11.85	11.57	12.35	12.18
179.4558	12.22	11.79	11.60	12.38	12.15
179.5578	12.25	11.79	11.63	12.41	12.19
179.6597	12.30	11.83	11.67	12.36	12.26
179.7617	12.31	11.86	11.70	12.30	12.28
179.8637	12.28	11.87	11.75	12.33	12.21
179.9656	12.25	11.82	11.74	12.38	12.17
180.0676	12.26	11.78	11.73	12.38	12.20
180.1696	12.32	11.79	11.73	12.37	12.29
180.2715	12.32	11.84	11.71	12.33	12.27
180.3735	12.27	11.86	11.64	12.33	12.23
180.4754	12.23	11.80	11.64	12.38	12.17
180.5774	12.22	11.77	11.60	12.39	12.17
180.6794	12.27	11.79	11.60	12.36	12.25
180.7813	12.31	11.85	11.62	12.34	12.26
180.8833	12.29	11.87	11.63	12.35	12.22
180.9853	12.24	11.80	11.65	12.37	12.21
181.0872	12.28	11.75	11.70	12.41	12.21
181.1892	12.35	11.79	11.75	12.40	12.30
181.2912	12.37	11.83	11.75	12.32	12.32
181.3931	12.33	11.83	11.74	12.30	12.26
181.4951	12.25	11.78	11.74	12.37	12.19
181.5970	12.23	11.74	11.69	12.37	12.18
181.6990	12.26	11.75	11.70	12.36	12.22
181.8010	12.29	11.80	11.64	12.32	12.23
181.9029	12.26	11.79	11.58	12.31	12.18
182.0049	12.22	11.77	11.56	12.39	12.15
182.1069	12.23	11.74	11.59	12.44	12.16
182.2088	12.27	11.76	11.59	12.42	12.25
182.3108	12.32	11.82	11.64	12.35	12.27
182.4128	12.30	11.85	11.67	12.32	12.20
182.5147	12.23	11.81	11.69	12.34	12.16
182.6167	12.24	11.75	11.74	12.38	12.19
182.7186	12.28	11.78	11.77	12.37	12.25
182.8206	12.33	11.81	11.73	12.32	12.28
182.9226	12.32	11.84	11.72	12.29	12.24
183.0245	12.26	11.83	11.67	12.36	12.16
183.1265	12.24	11.79	11.63	12.41	12.16
183.2285	12.24	11.80	11.62	12.41	12.21
183.3304	12.26	11.84	11.60	12.34	12.21
183.4324	12.24	11.89	11.57	12.30	12.18
183.5344	12.19	11.88	11.61	12.32	12.10
183.6363	12.16	11.85	11.64	12.39	12.06
183.7383	12.22	11.82	11.68	12.38	12.16
183.8402	12.27	11.84	11.69	12.32	12.26
183.9422	12.30	11.91	11.75	12.27	12.24
184.0442	12.28	11.91	11.76	12.30	12.17
184.1461	12.26	11.85	11.75	12.35	12.18
184.2481	12.26	11.82	11.76	12.38	12.21
184.3501	12.29	11.84	11.73	12.34	12.27
184.4520	12.29	11.87	11.68	12.28	12.26
184.5540	12.24	11.88	11.66	12.30	12.18
184.6560	12.20	11.85	11.65	12.35	12.11
184.7579	12.19	11.80	11.62	12.40	12.13
184.8599	12.24	11.82	11.60	12.40	12.19
184.9618	12.28	11.86	11.67	12.33	12.21

185.0638	12.23	11.89	11.66	12.28	12.16
185.1658	12.19	11.88	11.72	12.34	12.09
185.2677	12.22	11.81	11.78	12.40	12.12
185.3697	12.27	11.80	11.78	12.37	12.23
185.4717	12.31	11.84	11.76	12.31	12.27
185.5736	12.29	11.87	11.79	12.29	12.22
185.6756	12.23	11.84	11.77	12.34	12.16
185.7776	12.25	11.76	11.73	12.40	12.18
185.8795	12.30	11.76	11.67	12.40	12.23
185.9815	12.30	11.80	11.63	12.34	12.26
186.0834	12.25	11.86	11.63	12.33	12.20
186.1854	12.22	11.83	11.64	12.35	12.13
186.2874	12.20	11.75	11.64	12.38	12.11
186.3893	12.21	11.79	11.65	12.38	12.18
186.4913	12.26	11.83	11.68	12.32	12.21
186.5933	12.28	11.87	11.75	12.28	12.23
186.6952	12.24	11.86	11.75	12.33	12.16
186.7972	12.24	11.79	11.79	12.38	12.15
186.8992	12.28	11.80	11.77	12.36	12.23
187.0011	12.33	11.83	11.76	12.33	12.29
187.1031	12.33	11.86	11.74	12.31	12.27
187.2050	12.26	11.86	11.71	12.33	12.19
187.3070	12.20	11.80	11.68	12.37	12.15
187.4090	12.23	11.78	11.67	12.38	12.19
187.5109	12.26	11.82	11.62	12.32	12.23
187.6129	12.26	11.89	11.63	12.31	12.21
187.7149	12.24	11.87	11.68	12.35	12.15
187.8168	12.22	11.82	11.69	12.38	12.14
187.9188	12.22	11.81	11.67	12.35	12.18
188.0207	12.29	11.85	11.75	12.33	12.23
188.1227	12.29	11.89	11.76	12.31	12.23
188.2247	12.26	11.89	11.74	12.31	12.18
188.3266	12.23	11.83	11.74	12.38	12.16
188.4286	12.24	11.80	11.71	12.38	12.20
188.5306	12.29	11.80	11.66	12.33	12.25
188.6325	12.32	11.82	11.65	12.31	12.26
188.7345	12.25	11.84	11.61	12.33	12.17
188.8365	12.19	11.81	11.59	12.37	12.13
188.9384	12.22	11.73	11.58	12.39	12.16
189.0404	12.25	11.77	11.60	12.34	12.22
189.1423	12.24	11.85	11.63	12.29	12.20
189.2443	12.24	11.87	11.66	12.30	12.14
189.3463	12.22	11.83	11.66	12.39	12.13
189.4482	12.23	11.78	11.67	12.40	12.18
189.5502	12.29	11.81	11.69	12.38	12.23
189.6522	12.33	11.85	11.71	12.33	12.25
189.7541	12.29	11.85	11.65	12.32	12.21
189.8561	12.23	11.82	11.65	12.39	12.14
189.9581	12.22	11.77	11.61	12.43	12.13
190.0600	12.24	11.77	11.61	12.37	12.23
190.1620	12.29	11.80	11.61	12.31	12.26
190.2639	12.27	11.85	11.60	12.29	12.20
190.3659	12.21	11.80	11.60	12.34	12.16
190.4679	12.23	11.77	11.63	12.41	12.15
190.5698	12.28	11.80	11.64	12.39	12.25
190.6718	12.33	11.82	11.69	12.31	12.33
190.7738	12.33	11.88	11.73	12.30	12.27
190.8757	12.27	11.87	11.74	12.36	12.18
190.9777	12.24	11.81	11.71	12.39	12.16
191.0797	12.25	11.78	11.72	12.40	12.21
191.1816	12.30	11.83	11.70	12.33	12.26

191.2836	12.29	11.85	11.68	12.28	12.23
191.3855	12.24	11.81	11.62	12.33	12.18
191.4875	12.22	11.75	11.60	12.40	12.13
191.5895	12.25	11.76	11.60	12.40	12.22
191.6914	12.32	11.79	11.61	12.34	12.31
191.7934	12.33	11.83	11.62	12.30	12.30
191.8954	12.27	11.83	11.65	12.30	12.22
191.9973	12.24	11.79	11.69	12.38	12.16
192.0993	12.27	11.77	11.73	12.41	12.20
192.2013	12.31	11.81	11.73	12.35	12.28
192.3032	12.32	11.83	11.75	12.30	12.27
192.4052	12.26	11.83	11.72	12.35	12.19
192.5071	12.22	11.78	11.70	12.39	12.14
192.6091	12.26	11.72	11.68	12.40	12.18
192.7111	12.30	11.77	11.66	12.38	12.24
192.8130	12.27	11.82	11.60	12.31	12.23
192.9150	12.21	11.80	11.61	12.28	12.17
193.0170	12.18	11.76	11.60	12.35	12.13
193.1189	12.21	11.74	11.62	12.39	12.15
193.2209	12.27	11.79	11.64	12.35	12.23
193.3229	12.31	11.85	11.65	12.32	12.24
193.4248	12.29	11.85	11.66	12.33	12.25
193.5268	12.26	11.82	11.73	12.36	12.20
193.6287	12.27	11.82	11.75	12.41	12.19
193.7307	12.30	11.81	11.74	12.37	12.24
193.8327	12.29	11.84	11.71	12.29	12.22
193.9346	12.22	11.88	11.70	12.30	12.14
194.0366	12.17	11.85	11.67	12.33	12.09
194.1386	12.17	11.79	11.64	12.35	12.12
194.2405	12.21	11.81	11.61	12.35	12.17
194.3425	12.27	11.85	11.58	12.32	12.20
194.4445	12.24	11.87	11.59	12.30	12.18
194.5464	12.20	11.89	11.63	12.33	12.15
194.6484	12.22	11.83	11.66	12.37	12.16
194.7503	12.27	11.82	11.70	12.34	12.24
194.8523	12.29	11.87	11.74	12.30	12.23
194.9543	12.28	11.91	11.78	12.29	12.19
195.0562	12.23	11.89	11.75	12.31	12.18
195.1582	12.22	11.82	11.78	12.37	12.14
195.2602	12.26	11.80	11.76	12.37	12.20
195.3621	12.29	11.83	11.70	12.30	12.26
195.4641	12.27	11.86	11.66	12.31	12.21
195.5661	12.21	11.87	11.65	12.35	12.11
195.6680	12.16	11.81	11.62	12.40	12.10
195.7700	12.20	11.77	11.63	12.38	12.17
195.8719	12.28	11.81	11.62	12.33	12.23
195.9739	12.27	11.86	11.67	12.29	12.20
196.0759	12.21	11.88	11.70	12.33	12.13
196.1778	12.22	11.79	11.75	12.40	12.13
196.2798	12.27	11.75	11.74	12.38	12.22
196.3818	12.30	11.79	11.76	12.31	12.27
196.4837	12.31	11.83	11.79	12.27	12.26
196.5857	12.26	11.85	11.75	12.30	12.20
196.6876	12.22	11.76	11.70	12.39	12.14
196.7896	12.24	11.74	11.69	12.40	12.16
196.8916	12.26	11.77	11.63	12.33	12.23
196.9935	12.26	11.83	11.61	12.28	12.23
197.0955	12.23	11.84	11.63	12.33	12.16
197.1975	12.20	11.77	11.64	12.40	12.12
197.2994	12.22	11.78	11.63	12.43	12.15
197.4014	12.29	11.82	11.68	12.38	12.23

197.5034	12.32	11.85	11.72	12.28	12.28
197.6053	12.26	11.88	11.77	12.31	12.22
197.7073	12.24	11.84	11.81	12.37	12.14
197.8092	12.24	11.79	11.77	12.37	12.19
197.9112	12.26	11.79	11.73	12.32	12.24
198.0132	12.30	11.84	11.78	12.28	12.27
198.1151	12.28	11.86	11.71	12.29	12.20
198.2171	12.22	11.81	11.64	12.34	12.16
198.3191	12.22	11.78	11.63	12.42	12.15
198.4210	12.25	11.81	11.60	12.40	12.19
198.5230	12.28	11.85	11.59	12.32	12.24
198.6250	12.26	11.89	11.64	12.29	12.20
198.7269	12.18	11.87	11.65	12.33	12.12
198.8289	12.17	11.82	11.68	12.37	12.12
198.9308	12.25	11.79	11.72	12.37	12.18
199.0328	12.31	11.85	11.73	12.31	12.26
199.1348	12.29	11.87	11.72	12.27	12.24
199.2367	12.24	11.84	11.75	12.32	12.17
199.3387	12.24	11.78	11.69	12.37	12.16
199.4407	12.26	11.76	11.64	12.37	12.22
199.5426	12.29	11.79	11.64	12.34	12.24
199.6446	12.26	11.84	11.61	12.31	12.19
199.7466	12.19	11.82	11.56	12.32	12.13
199.8485	12.19	11.76	11.59	12.39	12.11
199.9505	12.22	11.75	11.58	12.40	12.14
200.0524	12.25	11.81	11.60	12.36	12.20
200.1544	12.28	11.85	11.65	12.31	12.18
200.2564	12.23	11.84	11.67	12.34	12.15
200.3583	12.21	11.79	11.68	12.36	12.15
200.4603	12.24	11.78	11.73	12.37	12.17
200.5623	12.30	11.81	11.74	12.34	12.25
200.6642	12.30	11.83	11.70	12.29	12.27
200.7662	12.26	11.85	11.66	12.31	12.20
200.8682	12.23	11.80	11.67	12.39	12.16
200.9701	12.26	11.74	11.61	12.41	12.21
201.0721	12.31	11.76	11.59	12.35	12.28
201.1740	12.31	11.83	11.59	12.32	12.24
201.2760	12.24	11.84	11.60	12.33	12.17
201.3780	12.19	11.77	11.60	12.36	12.12
201.4799	12.22	11.76	11.66	12.36	12.15
201.5819	12.27	11.80	11.70	12.32	12.24
201.6839	12.30	11.84	11.73	12.29	12.27
201.7858	12.28	11.89	11.74	12.33	12.19
201.8878	12.24	11.81	11.73	12.36	12.17
201.9898	12.25	11.77	11.72	12.38	12.20
202.0917	12.32	11.82	11.73	12.35	12.29
202.1937	12.34	11.83	11.68	12.32	12.31
202.2956	12.30	11.82	11.65	12.32	12.25
202.3976	12.23	11.80	11.62	12.37	12.15
202.4996	12.22	11.76	11.63	12.38	12.16
202.6015	12.27	11.75	11.63	12.36	12.27
202.7035	12.30	11.80	11.63	12.31	12.28
202.8055	12.28	11.85	11.64	12.29	12.21
202.9074	12.21	11.80	11.68	12.36	12.15
203.0094	12.23	11.77	11.68	12.41	12.14
203.1114	12.29	11.78	11.73	12.36	12.25
203.2133	12.31	11.83	11.73	12.30	12.29
203.3153	12.28	11.85	11.73	12.31	12.21
203.4172	12.22	11.83	11.70	12.36	12.13
203.5192	12.20	11.77	11.68	12.38	12.12
203.6212	12.24	11.77	11.65	12.39	12.19

203.7231	12.28	11.79	11.62	12.32	12.23
203.8251	12.27	11.82	11.58	12.28	12.23
203.9271	12.22	11.82	11.58	12.35	12.15
204.0290	12.22	11.75	11.60	12.41	12.12
204.1310	12.25	11.75	11.62	12.38	12.19
204.2330	12.28	11.81	11.63	12.32	12.23
204.3349	12.28	11.86	11.68	12.27	12.22
204.4369	12.22	11.87	11.68	12.30	12.16
204.5388	12.20	11.83	11.72	12.37	12.09
204.6408	12.23	11.80	11.73	12.39	12.17
204.7428	12.27	11.84	11.68	12.30	12.24
204.8447	12.27	11.88	11.67	12.26	12.21
204.9467	12.23	11.89	11.67	12.33	12.16
205.0487	12.20	11.82	11.64	12.37	12.12
205.1506	12.21	11.80	11.62	12.40	12.13
205.2526	12.23	11.82	11.60	12.35	12.17
205.3546	12.24	11.84	11.64	12.25	12.20
205.4565	12.22	11.89	11.63	12.27	12.18
205.5585	12.21	11.84	11.68	12.36	12.13
205.6604	12.22	11.80	11.70	12.38	12.17
205.7624	12.29	11.81	11.72	12.35	12.24
205.8644	12.34	11.86	11.73	12.31	12.27
205.9663	12.28	11.90	11.74	12.30	12.21
206.0683	12.21	11.86	11.75	12.35	12.15
206.1703	12.23	11.80	11.74	12.41	12.12
206.2722	12.25	11.79	11.67	12.36	12.20
206.3742	12.25	11.83	11.67	12.30	12.20
206.4761	12.22	11.85	11.64	12.29	12.13
206.5781	12.18	11.81	11.63	12.33	12.10
206.6801	12.20	11.72	11.61	12.38	12.15
206.7820	12.27	11.75	11.63	12.37	12.22
206.8840	12.30	11.81	11.65	12.31	12.27
206.9860	12.27	11.85	11.67	12.29	12.23
207.0879	12.25	11.80	11.71	12.35	12.17
207.1899	12.24	11.75	11.76	12.38	12.17
207.2919	12.27	11.77	11.76	12.37	12.24
207.3938	12.31	11.81	11.77	12.32	12.25
207.4958	12.28	11.85	11.73	12.30	12.21
207.5977	12.21	11.83	11.72	12.34	12.13
207.6997	12.20	11.74	11.70	12.42	12.10
207.8017	12.24	11.76	11.63	12.38	12.18
207.9036	12.27	11.82	11.59	12.32	12.25
208.0056	12.26	11.84	11.63	12.32	12.21
208.1076	12.21	11.83	11.62	12.34	12.14
208.2095	12.20	11.76	11.62	12.37	12.13
208.3115	12.25	11.79	11.67	12.37	12.18
208.4135	12.29	11.83	11.73	12.32	12.25
208.5154	12.30	11.87	11.73	12.30	12.26
208.6174	12.29	11.86	11.78	12.34	12.19
208.7193	12.25	11.80	11.77	12.38	12.15
208.8213	12.25	11.79	11.74	12.36	12.20
208.9233	12.29	11.82	11.72	12.31	12.26
209.0252	12.29	11.86	11.69	12.28	12.24
209.1272	12.21	11.86	11.63	12.31	12.15
209.2292	12.16	11.80	11.62	12.36	12.07
209.3311	12.16	11.80	11.56	12.36	12.09
209.4331	12.22	11.82	11.57	12.29	12.19
209.5351	12.27	11.86	11.61	12.28	12.22
209.6370	12.23	11.88	11.61	12.33	12.16
209.7390	12.20	11.84	11.62	12.38	12.14
209.8409	12.26	11.78	11.68	12.39	12.16

209.9429	12.31	11.81	11.70	12.35	12.25
210.0449	12.30	11.85	11.73	12.27	12.26
210.1468	12.25	11.87	11.75	12.30	12.18
210.2488	12.20	11.81	11.71	12.37	12.12
210.3508	12.21	11.74	11.65	12.38	12.13
210.4527	12.26	11.77	11.66	12.35	12.19
210.5547	12.27	11.82	11.60	12.30	12.21
210.6567	12.23	11.83	11.56	12.29	12.18
210.7586	12.18	11.79	11.57	12.37	12.11
210.8606	12.18	11.76	11.58	12.41	12.10
210.9625	12.24	11.78	11.56	12.36	12.18
211.0645	12.27	11.82	11.63	12.29	12.23
211.1665	12.27	11.87	11.69	12.30	12.20
211.2684	12.23	11.82	11.70	12.36	12.16
211.3704	12.24	11.74	11.72	12.39	12.17
211.4724	12.29	11.76	11.74	12.37	12.23
211.5743	12.33	11.80	11.71	12.28	12.30
211.6763	12.31	11.84	11.71	12.26	12.25
211.7783	12.24	11.81	11.67	12.34	12.17
211.8802	12.21	11.74	11.62	12.40	12.16
211.9822	12.24	11.77	11.60	12.38	12.21
212.0841	12.27	11.82	11.62	12.32	12.23
212.1861	12.26	11.85	11.60	12.29	12.19
212.2881	12.21	11.83	11.61	12.33	12.16
212.3900	12.21	11.78	11.65	12.39	12.12
212.4920	12.26	11.79	11.70	12.40	12.21
212.5940	12.32	11.81	11.71	12.32	12.28
212.6959	12.32	11.87	11.75	12.27	12.25
212.7979	12.27	11.83	11.76	12.30	12.20
212.8999	12.25	11.78	11.76	12.36	12.18
213.0018	12.27	11.77	11.74	12.38	12.23
213.1038	12.33	11.79	11.72	12.33	12.33
213.2057	12.32	11.82	11.66	12.28	12.28
213.3077	12.25	11.81	11.62	12.33	12.18
213.4097	12.21	11.77	11.61	12.39	12.13
213.5116	12.22	11.72	11.60	12.41	12.19
213.6136	12.28	11.80	11.60	12.37	12.24
213.7156	12.29	11.84	11.63	12.30	12.21
213.8175	12.22	11.84	11.62	12.31	12.15
213.9195	12.18	11.80	11.68	12.35	12.09
214.0215	12.23	11.77	11.72	12.39	12.14
214.1234	12.28	11.79	11.71	12.34	12.24
214.2254	12.29	11.83	11.72	12.28	12.24
214.3273	12.26	11.83	11.70	12.27	12.19
214.4293	12.22	11.78	11.64	12.34	12.14
214.5313	12.23	11.73	11.65	12.41	12.15
214.6332	12.28	11.76	11.62	12.37	12.22
214.7352	12.29	11.80	11.57	12.29	12.23
214.8372	12.22	11.84	11.56	12.31	12.17
214.9391	12.17	11.81	11.60	12.36	12.09
215.0411	12.19	11.75	11.59	12.36	12.11
215.1430	12.24	11.79	11.62	12.35	12.20
215.2450	12.28	11.84	11.68	12.31	12.21
215.3470	12.26	11.89	11.67	12.31	12.20
215.4489	12.22	11.86	11.69	12.34	12.14
215.5509	12.23	11.78	11.75	12.37	12.13
215.6529	12.24	11.82	11.71	12.32	12.19
215.7548	12.27	11.84	11.70	12.27	12.23
215.8568	12.26	11.86	11.68	12.30	12.20
215.9588	12.20	11.85	11.65	12.33	12.15
216.0607	12.17	11.79	11.62	12.37	12.11

216.1627	12.23	11.78	11.62	12.37	12.16
216.2646	12.28	11.80	11.59	12.32	12.24
216.3666	12.28	11.87	11.62	12.29	12.22
216.4686	12.22	11.86	11.66	12.36	12.14
216.5705	12.19	11.79	11.70	12.37	12.11
216.6725	12.23	11.78	11.68	12.33	12.16
216.7745	12.29	11.83	11.74	12.28	12.23
216.8764	12.28	11.86	11.76	12.27	12.24
216.9784	12.23	11.87	11.74	12.32	12.17
217.0804	12.22	11.78	11.72	12.39	12.13
217.1823	12.26	11.75	11.69	12.39	12.20
217.2843	12.30	11.80	11.64	12.33	12.25
217.3862	12.30	11.82	11.65	12.30	12.22
217.4882	12.22	11.82	11.62	12.34	12.17
217.5902	12.18	11.74	11.62	12.37	12.13
217.6921	12.23	11.72	11.64	12.39	12.15
217.7941	12.27	11.76	11.65	12.34	12.21
217.8961	12.27	11.82	11.66	12.26	12.23
217.9980	12.25	11.84	11.72	12.32	12.17
218.1000	12.23	11.78	11.75	12.40	12.13
218.2020	12.25	11.75	11.74	12.42	12.20
218.3039	12.31	11.80	11.74	12.35	12.25
218.4059	12.31	11.86	11.74	12.28	12.23
218.5078	12.24	11.84	11.69	12.31	12.18
218.6098	12.19	11.80	11.71	12.40	12.10
218.7118	12.21	11.77	11.65	12.41	12.13
218.8137	12.23	11.79	11.60	12.32	12.22
218.9157	12.26	11.81	11.60	12.27	12.21
219.0177	12.24	11.86	11.63	12.29	12.16
219.1196	12.19	11.80	11.63	12.34	12.13
219.2216	12.21	11.74	11.65	12.38	12.15
219.3236	12.27	11.81	11.67	12.35	12.24
219.4255	12.31	11.84	11.71	12.26	12.27
219.5275	12.28	11.88	11.74	12.28	12.21
219.6294	12.21	11.85	11.76	12.33	12.11
219.7314	12.18	11.82	11.72	12.36	12.11
219.8334	12.23	11.82	11.70	12.35	12.18
219.9353	12.27	11.85	11.68	12.28	12.22
220.0373	12.24	11.88	11.66	12.27	12.18
220.1393	12.19	11.86	11.60	12.34	12.10
220.2412	12.18	11.79	11.58	12.39	12.08
220.3432	12.21	11.77	11.58	12.36	12.17
220.4452	12.27	11.82	11.61	12.30	12.24
220.5471	12.25	11.88	11.62	12.28	12.19
220.6491	12.20	11.85	11.65	12.29	12.13
220.7510	12.19	11.79	11.68	12.34	12.10
220.8530	12.24	11.78	11.71	12.37	12.16
220.9550	12.30	11.80	11.71	12.31	12.27
221.0569	12.30	11.84	11.73	12.28	12.25
221.1589	12.24	11.84	11.69	12.33	12.17
221.2609	12.20	11.77	11.66	12.37	12.11
221.3628	12.22	11.74	11.63	12.38	12.14
221.4648	12.24	11.78	11.63	12.34	12.18
221.5668	12.22	11.82	11.59	12.28	12.20
221.6687	12.18	11.83	11.58	12.29	12.13
221.7707	12.17	11.77	11.57	12.37	12.08
221.8726	12.22	11.73	11.61	12.37	12.13
221.9746	12.29	11.77	11.64	12.32	12.26
222.0766	12.32	11.85	11.68	12.31	12.28
222.1785	12.28	11.86	11.68	12.33	12.24
222.2805	12.26	11.77	11.73	12.37	12.19

222.3825	12.26	11.75	11.73	12.39	12.18
222.4844	12.30	11.79	11.73	12.33	12.25
222.5864	12.30	11.83	11.72	12.27	12.26
222.6884	12.25	11.85	11.70	12.32	12.19
222.7903	12.20	11.77	11.64	12.38	12.13
222.8923	12.21	11.73	11.61	12.36	12.15
222.9942	12.26	11.80	11.60	12.35	12.21
223.0962	12.29	11.85	11.62	12.29	12.24
223.1982	12.25	11.85	11.61	12.31	12.22
223.3001	12.21	11.81	11.64	12.37	12.16
223.4021	12.23	11.77	11.67	12.39	12.16
223.5041	12.29	11.80	11.72	12.33	12.27
223.6060	12.34	11.83	11.75	12.28	12.29
223.7080	12.31	11.84	11.75	12.31	12.24
223.8099	12.24	11.80	11.72	12.36	12.19
223.9119	12.25	11.75	11.74	12.39	12.17
224.0139	12.30	11.74	11.70	12.35	12.25
224.1158	12.31	11.80	11.64	12.28	12.27
224.2178	12.25	11.84	11.59	12.30	12.18
224.3198	12.19	11.79	11.57	12.37	12.12
224.4217	12.18	11.74	11.55	12.38	12.11
224.5237	12.21	11.78	11.56	12.35	12.18
224.6257	12.25	11.82	11.57	12.29	12.20
224.7276	12.25	11.84	11.59	12.29	12.19
224.8296	12.20	11.84	11.63	12.35	12.12
224.9315	12.21	11.76	11.70	12.40	12.10
225.0335	12.27	11.75	11.69	12.37	12.22
225.1355	12.32	11.79	11.70	12.29	12.27
225.2374	12.30	11.84	11.71	12.26	12.23
225.3394	12.21	11.80	11.67	12.32	12.16
225.4414	12.19	11.75	11.65	12.39	12.11
225.5433	12.23	11.74	11.65	12.38	12.17
225.6453	12.25	11.78	11.57	12.30	12.22
225.7473	12.23	11.83	11.55	12.25	12.21
225.8492	12.19	11.85	11.55	12.32	12.12
225.9512	12.18	11.78	11.58	12.38	12.08
226.0531	12.21	11.77	11.61	12.40	12.13
226.1551	12.26	11.84	11.65	12.34	12.20
226.2571	12.27	11.88	11.65	12.25	12.21
226.3590	12.22	11.89	11.71	12.29	12.17
226.4610	12.22	11.81	11.77	12.37	12.11
226.5630	12.24	11.77	11.73	12.39	12.15
226.6649	12.28	11.80	11.70	12.32	12.23
226.7669	12.31	11.82	11.72	12.27	12.27
226.8689	12.26	11.84	11.66	12.27	12.21
226.9708	12.20	11.78	11.62	12.34	12.14
227.0728	12.21	11.75	11.62	12.39	12.12
227.1747	12.24	11.79	11.61	12.35	12.20
227.2767	12.26	11.85	11.59	12.27	12.24
227.3787	12.22	11.87	11.63	12.30	12.17
227.4806	12.17	11.82	11.67	12.34	12.11
227.5826	12.21	11.78	11.69	12.38	12.12
227.6846	12.28	11.79	11.72	12.37	12.21
227.7865	12.32	11.83	11.74	12.29	12.26
227.8885	12.28	11.86	11.74	12.28	12.23
227.9905	12.23	11.81	11.78	12.33	12.16
228.0924	12.22	11.72	11.71	12.39	12.13
228.1944	12.26	11.75	11.68	12.36	12.22
228.2963	12.30	11.78	11.69	12.31	12.24
228.3983	12.25	11.81	11.65	12.32	12.21
228.5003	12.20	11.78	11.60	12.36	12.15

228.6022	12.21	11.73	11.63	12.41	12.12
228.7042	12.24	11.76	11.63	12.39	12.17
228.8062	12.27	11.81	11.65	12.30	12.23
228.9081	12.24	11.87	11.69	12.29	12.18
229.0101	12.20	11.85	11.74	12.33	12.11
229.1121	12.19	11.77	11.73	12.36	12.12
229.2140	12.23	11.77	11.74	12.33	12.17
229.3160	12.27	11.84	11.74	12.29	12.21
229.4179	12.27	11.85	11.71	12.27	12.23
229.5199	12.24	11.84	11.68	12.34	12.17
229.6219	12.21	11.77	11.67	12.36	12.13
229.7238	12.22	11.77	11.60	12.35	12.19
229.8258	12.26	11.79	11.59	12.30	12.23
229.9278	12.25	11.86	11.62	12.29	12.19
230.0297	12.19	11.86	11.64	12.32	12.13
230.1317	12.17	11.78	11.63	12.35	12.10
230.2337	12.19	11.81	11.67	12.34	12.12
230.3356	12.24	11.84	11.68	12.28	12.19
230.4376	12.26	11.88	11.74	12.26	12.20
230.5395	12.22	11.90	11.75	12.31	12.14
230.6415	12.19	11.84	11.71	12.36	12.11
230.7435	12.22	11.80	11.69	12.35	12.16
230.8454	12.27	11.82	11.70	12.31	12.22
230.9474	12.28	11.84	11.66	12.26	12.22
231.0494	12.21	11.86	11.62	12.30	12.14
231.1513	12.15	11.80	11.61	12.36	12.07
231.2533	12.18	11.74	11.60	12.36	12.12
231.3553	12.25	11.77	11.57	12.33	12.22
231.4572	12.29	11.82	11.62	12.29	12.24
231.5592	12.24	11.86	11.63	12.29	12.18
231.6611	12.20	11.79	11.66	12.35	12.12
231.7631	12.21	11.77	11.69	12.39	12.12
231.8651	12.26	11.78	11.72	12.32	12.20
231.9670	12.29	11.83	11.71	12.23	12.26
232.0690	12.24	11.87	11.71	12.27	12.17
232.1710	12.18	11.81	11.67	12.35	12.10
232.2729	12.19	11.74	11.65	12.40	12.10
232.3749	12.25	11.75	11.62	12.37	12.19
232.4768	12.29	11.79	11.61	12.29	12.27
232.5788	12.28	11.81	11.57	12.28	12.24
232.6808	12.21	11.80	11.58	12.38	12.13
232.7827	12.21	11.71	11.63	12.41	12.12
232.8847	12.26	11.73	11.66	12.35	12.23
232.9867	12.30	11.81	11.68	12.28	12.28
233.0886	12.29	11.86	11.73	12.28	12.24
233.1906	12.24	11.81	11.71	12.32	12.20
233.2926	12.25	11.75	11.73	12.39	12.14
233.3945	12.28	11.77	11.73	12.41	12.22
233.4965	12.31	11.82	11.71	12.31	12.29
233.5984	12.31	11.85	11.66	12.28	12.27
233.7004	12.23	11.81	11.64	12.34	12.18
233.8024	12.18	11.75	11.62	12.37	12.10
233.9043	12.21	11.76	11.60	12.37	12.15
234.0063	12.27	11.79	11.60	12.31	12.24
234.1083	12.28	11.82	11.62	12.26	12.25
234.2102	12.22	11.80	11.60	12.31	12.18
234.3122	12.22	11.75	11.66	12.37	12.14
234.4142	12.26	11.74	11.68	12.38	12.21
234.5161	12.32	11.81	11.71	12.32	12.29
234.6181	12.33	11.85	11.73	12.31	12.27
234.7200	12.26	11.83	11.70	12.30	12.21

234.8220	12.20	11.78	11.68	12.35	12.15
234.9240	12.23	11.75	11.67	12.38	12.15
235.0259	12.26	11.78	11.62	12.34	12.22
235.1279	12.25	11.83	11.59	12.28	12.18
235.2299	12.20	11.81	11.55	12.30	12.13
235.3318	12.16	11.75	11.55	12.33	12.09
235.4338	12.18	11.72	11.53	12.39	12.13
235.5358	12.26	11.76	11.59	12.36	12.20
235.6377	12.27	11.82	11.60	12.29	12.22
235.7397	12.23	11.83	11.61	12.28	12.19
235.8416	12.20	11.78	11.68	12.34	12.12
235.9436	12.22	11.75	11.71	12.36	12.14
236.0456	12.27	11.77	11.69	12.32	12.24
236.1475	12.30	11.81	11.70	12.29	12.21
236.2495	12.25	11.85	11.66	12.31	12.17
236.3515	12.19	11.81	11.65	12.36	12.12
236.4534	12.21	11.74	11.62	12.39	12.12
236.5554	12.23	11.77	11.58	12.35	12.19
236.6574	12.24	11.82	11.54	12.28	12.20
236.7593	12.21	11.87	11.57	12.30	12.14
236.8613	12.16	11.83	11.60	12.33	12.09
236.9632	12.16	11.74	11.60	12.36	12.10
237.0652	12.23	11.79	11.63	12.34	12.18
237.1672	12.28	11.83	11.69	12.26	12.25
237.2691	12.30	11.87	11.70	12.27	12.25
237.3711	12.26	11.84	11.75	12.36	12.18
237.4731	12.24	11.78	11.74	12.39	12.14
237.5750	12.25	11.79	11.74	12.33	12.22
237.6770	12.30	11.79	11.70	12.27	12.28
237.7790	12.26	11.85	11.68	12.26	12.23
237.8809	12.18	11.84	11.66	12.32	12.13
237.9829	12.18	11.74	11.67	12.39	12.06
238.0848	12.20	11.76	11.60	12.37	12.14
238.1868	12.25	11.81	11.61	12.29	12.24
238.2888	12.28	11.86	11.65	12.28	12.23
238.3907	12.22	11.85	11.66	12.36	12.16
238.4927	12.19	11.77	11.69	12.37	12.11
238.5947	12.23	11.79	11.76	12.37	12.16
238.6966	12.29	11.82	11.74	12.31	12.25
238.7986	12.30	11.83	11.76	12.25	12.28
238.9006	12.24	11.84	11.76	12.32	12.19
239.0025	12.21	11.77	11.74	12.40	12.12
239.1045	12.24	11.73	11.69	12.38	12.15
239.2064	12.28	11.75	11.67	12.31	12.22
239.3084	12.26	11.81	11.63	12.26	12.22
239.4104	12.19	11.83	11.60	12.29	12.16
239.5123	12.16	11.77	11.61	12.36	12.07
239.6143	12.18	11.75	11.64	12.40	12.09
239.7163	12.23	11.79	11.61	12.32	12.19
239.8182	12.26	11.85	11.67	12.24	12.23
239.9202	12.23	11.88	11.70	12.29	12.17
240.0222	12.19	11.82	11.73	12.35	12.13
240.1241	12.22	11.76	11.73	12.36	12.12
240.2261	12.26	11.80	11.73	12.33	12.19
240.3280	12.28	11.83	11.72	12.25	12.23
240.4300	12.25	11.86	11.70	12.26	12.20
240.5320	12.19	11.80	11.65	12.33	12.11
240.6339	12.17	11.76	11.62	12.37	12.09
240.7359	12.20	11.80	11.59	12.34	12.16
240.8379	12.25	11.83	11.60	12.26	12.19
240.9398	12.23	11.87	11.59	12.28	12.18

241.0418	12.16	11.84	11.61	12.32	12.11
241.1437	12.16	11.81	11.63	12.37	12.07
241.2457	12.22	11.82	11.66	12.35	12.14
241.3477	12.27	11.84	11.71	12.27	12.22
241.4496	12.26	11.90	11.76	12.26	12.19
241.5516	12.19	11.88	11.73	12.31	12.13
241.6536	12.20	11.77	11.72	12.34	12.12
241.7555	12.24	11.77	11.70	12.34	12.18
241.8575	12.28	11.79	11.67	12.27	12.25
241.9595	12.26	11.82	11.62	12.26	12.22
242.0614	12.21	11.81	11.60	12.32	12.14
242.1634	12.19	11.73	11.57	12.36	12.11
242.2653	12.21	11.74	11.55	12.37	12.17
242.3673	12.26	11.79	11.59	12.32	12.20
242.4693	12.26	11.85	11.64	12.29	12.21
242.5712	12.19	11.84	11.62	12.31	12.14
242.6732	12.17	11.78	11.68	12.37	12.09
242.7752	12.23	11.75	11.71	12.38	12.15
242.8771	12.31	11.78	11.70	12.31	12.27
242.9791	12.30	11.83	11.71	12.30	12.25
243.0811	12.25	11.83	11.71	12.32	12.17
243.1830	12.20	11.73	11.66	12.37	12.12
243.2850	12.24	11.71	11.64	12.38	12.18
243.3869	12.29	11.76	11.62	12.32	12.27
243.4889	12.27	11.80	11.61	12.28	12.25
243.5909	12.23	11.81	11.59	12.32	12.18
243.6928	12.21	11.73	11.62	12.39	12.13
243.7948	12.24	11.70	11.59	12.38	12.18
243.8968	12.29	11.78	11.64	12.34	12.27
243.9987	12.33	11.83	11.69	12.29	12.29
244.1007	12.27	11.83	11.70	12.32	12.23
244.2027	12.21	11.78	11.70	12.36	12.13
244.3046	12.21	11.75	11.73	12.37	12.12
244.4066	12.26	11.80	11.71	12.31	12.23
244.5085	12.29	11.84	11.69	12.26	12.27
244.6105	12.26	11.82	11.63	12.31	12.20
244.7125	12.20	11.77	11.60	12.37	12.14
244.8144	12.21	11.73	11.59	12.38	12.13
244.9164	12.28	11.76	11.59	12.36	12.23
245.0184	12.30	11.79	11.56	12.28	12.28
245.1203	12.26	11.83	11.58	12.28	12.21
245.2223	12.21	11.79	11.64	12.36	12.13
245.3243	12.21	11.73	11.65	12.37	12.12
245.4262	12.25	11.77	11.65	12.32	12.19
245.5282	12.29	11.82	11.72	12.26	12.23
245.6301	12.26	11.85	11.67	12.26	12.22
245.7321	12.20	11.81	11.65	12.34	12.15
245.8341	12.20	11.75	11.65	12.40	12.08
245.9360	12.23	11.77	11.63	12.38	12.17
246.0380	12.27	11.79	11.57	12.27	12.24
246.1400	12.24	11.81	11.57	12.27	12.19
246.2419	12.17	11.80	11.54	12.34	12.13
246.3439	12.15	11.73	11.55	12.38	12.07
246.4459	12.23	11.72	11.60	12.38	12.13
246.5478	12.27	11.76	11.62	12.30	12.19
246.6498	12.25	11.83	11.60	12.25	12.21
246.7517	12.22	11.83	11.66	12.31	12.17
246.8537	12.21	11.76	11.69	12.38	12.12
246.9557	12.24	11.74	11.70	12.36	12.17
247.0576	12.28	11.81	11.70	12.30	12.21
247.1596	12.26	11.85	11.70	12.25	12.20

247.2616	12.19	11.87	11.62	12.29	12.15
247.3635	12.17	11.77	11.65	12.36	12.08
247.4655	12.19	11.76	11.62	12.39	12.12
247.5675	12.23	11.81	11.57	12.31	12.18
247.6694	12.27	11.82	11.57	12.26	12.21
247.7714	12.22	11.85	11.61	12.30	12.18
247.8733	12.19	11.78	11.63	12.36	12.14
247.9753	12.23	11.75	11.67	12.37	12.17
248.0773	12.29	11.80	11.69	12.32	12.23
248.1792	12.30	11.84	11.75	12.24	12.27
248.2812	12.25	11.88	11.77	12.29	12.20
248.3832	12.20	11.82	11.78	12.33	12.11
248.4851	12.21	11.76	11.74	12.36	12.15
248.5871	12.27	11.80	11.72	12.35	12.23
248.6891	12.30	11.85	11.69	12.29	12.24
248.7910	12.23	11.86	11.67	12.30	12.18
248.8930	12.18	11.80	11.64	12.35	12.10
248.9949	12.17	11.75	11.62	12.39	12.08
249.0969	12.22	11.78	11.61	12.35	12.19
249.1989	12.27	11.81	11.65	12.28	12.23
249.3008	12.24	11.84	11.67	12.29	12.18
249.4028	12.20	11.79	11.70	12.31	12.12
249.5048	12.22	11.73	11.73	12.36	12.12
249.6067	12.28	11.77	11.75	12.36	12.22
249.7087	12.32	11.80	11.73	12.28	12.29
249.8106	12.30	11.83	11.73	12.28	12.25
249.9126	12.20	11.81	11.73	12.35	12.11
250.0146	12.17	11.75	11.70	12.36	12.07
250.1165	12.21	11.75	11.61	12.33	12.16
250.2185	12.23	11.81	11.59	12.28	12.20
250.3205	12.19	11.84	11.60	12.27	12.16
250.4224	12.16	11.82	11.60	12.31	12.08
250.5244	12.17	11.74	11.59	12.37	12.04
250.6264	12.21	11.76	11.61	12.35	12.13
250.7283	12.25	11.81	11.65	12.27	12.21
250.8303	12.26	11.87	11.69	12.28	12.21
250.9322	12.23	11.85	11.71	12.33	12.17
251.0342	12.21	11.78	11.75	12.35	12.11
251.1362	12.22	11.80	11.72	12.35	12.15
251.2381	12.27	11.81	11.70	12.29	12.23
251.3401	12.27	11.85	11.68	12.23	12.24
251.4421	12.20	11.87	11.66	12.32	12.14
251.5440	12.16	11.79	11.61	12.36	12.06
251.6460	12.17	11.77	11.57	12.34	12.10
251.7480	12.22	11.82	11.55	12.28	12.17
251.8499	12.24	11.85	11.59	12.25	12.19
251.9519	12.18	11.89	11.59	12.30	12.14
252.0538	12.16	11.81	11.62	12.34	12.07
252.1558	12.19	11.76	11.65	12.33	12.11
252.2578	12.26	11.80	11.69	12.29	12.23
252.3597	12.29	11.85	11.73	12.25	12.24
252.4617	12.26	11.86	11.73	12.31	12.21
252.5637	12.23	11.78	11.70	12.35	12.15
252.6656	12.23	11.75	11.69	12.38	12.14
252.7676	12.27	11.77	11.66	12.33	12.21
252.8696	12.29	11.79	11.64	12.25	12.27
252.9715	12.23	11.84	11.59	12.29	12.18
253.0735	12.16	11.77	11.57	12.36	12.09
253.1754	12.17	11.72	11.55	12.40	12.09
253.2774	12.23	11.74	11.59	12.35	12.18
253.3794	12.28	11.81	11.62	12.29	12.23

253.4813	12.24	11.84	11.62	12.29	12.19
253.5833	12.21	11.78	11.65	12.38	12.13
253.6853	12.24	11.72	11.70	12.40	12.13
253.7872	12.28	11.75	11.70	12.36	12.24
253.8892	12.32	11.79	11.73	12.28	12.29
253.9912	12.28	11.83	11.72	12.28	12.24
254.0931	12.23	11.76	11.68	12.34	12.17
254.1951	12.23	11.68	11.64	12.40	12.14
254.2970	12.27	11.71	11.62	12.39	12.22
254.3990	12.29	11.78	11.60	12.29	12.26
254.5010	12.27	11.82	11.58	12.27	12.23
254.6029	12.21	11.77	11.56	12.35	12.13
254.7049	12.17	11.73	11.58	12.38	12.08
254.8069	12.22	11.78	11.61	12.36	12.16
254.9088	12.28	11.83	11.67	12.29	12.24
255.0108	12.27	11.84	11.66	12.25	12.24
255.1128	12.22	11.84	11.69	12.32	12.17
255.2147	12.23	11.75	11.70	12.39	12.11
255.3167	12.26	11.74	11.68	12.37	12.19
255.4186	12.30	11.79	11.66	12.29	12.29
255.5206	12.30	11.83	11.67	12.26	12.25
255.6226	12.22	11.79	11.60	12.30	12.16
255.7245	12.18	11.72	11.59	12.33	12.10
255.8265	12.19	11.73	11.59	12.36	12.12
255.9285	12.24	11.80	11.58	12.31	12.23
256.0304	12.27	11.84	11.57	12.27	12.23
256.1324	12.22	11.82	11.59	12.31	12.16
256.2344	12.18	11.78	11.63	12.34	12.09
256.3363	12.20	11.76	11.66	12.36	12.12
256.4383	12.27	11.80	11.67	12.33	12.21
256.5402	12.29	11.83	11.67	12.28	12.23
256.6422	12.22	11.84	11.66	12.28	12.17
256.7442	12.17	11.78	11.70	12.33	12.07
256.8461	12.19	11.72	11.64	12.37	12.09
256.9481	12.25	11.76	11.58	12.32	12.20
257.0501	12.27	11.79	11.58	12.27	12.22
257.1520	12.21	11.83	11.55	12.31	12.17
257.2540	12.17	11.76	11.53	12.36	12.10
257.3560	12.20	11.71	11.59	12.37	12.09
257.4579	12.22	11.78	11.59	12.33	12.17
257.5599	12.25	11.82	11.61	12.28	12.22
257.6618	12.24	11.86	11.66	12.28	12.19
257.7638	12.19	11.82	11.71	12.35	12.11
257.8658	12.19	11.76	11.72	12.35	12.10
257.9677	12.24	11.78	11.74	12.32	12.18
258.0697	12.28	11.83	11.70	12.26	12.22
258.1717	12.25	11.85	11.66	12.27	12.23
258.2736	12.21	11.82	11.66	12.33	12.15
258.3756	12.21	11.74	11.66	12.39	12.10
258.4775	12.22	11.76	11.60	12.36	12.17
258.5795	12.26	11.80	11.59	12.27	12.22
258.6815	12.24	11.86	11.61	12.27	12.22
258.7834	12.18	11.83	11.64	12.34	12.14
258.8854	12.19	11.76	11.68	12.37	12.09
258.9874	12.25	11.78	11.71	12.35	12.16
259.0893	12.29	11.82	11.69	12.27	12.26
259.1913	12.29	11.88	11.76	12.26	12.25
259.2933	12.24	11.87	11.78	12.34	12.17
259.3952	12.22	11.76	11.76	12.38	12.12
259.4972	12.23	11.78	11.72	12.35	12.17
259.5991	12.25	11.82	11.71	12.28	12.20

259.7011	12.24	11.81	11.68	12.24	12.20
259.8031	12.18	11.81	11.64	12.31	12.13
259.9050	12.17	11.76	11.61	12.38	12.07
260.0070	12.20	11.73	11.60	12.37	12.14
260.1090	12.28	11.75	11.59	12.31	12.26
260.2109	12.29	11.82	11.64	12.26	12.24
260.3129	12.21	11.84	11.66	12.30	12.16
260.4149	12.19	11.75	11.69	12.35	12.10
260.5168	12.22	11.73	11.71	12.37	12.13
260.6188	12.26	11.79	11.72	12.28	12.22
260.7207	12.26	11.83	11.73	12.22	12.23
260.8227	12.20	11.84	11.71	12.29	12.13
260.9247	12.17	11.77	11.68	12.37	12.05
261.0266	12.19	11.74	11.64	12.38	12.10
261.1286	12.23	11.78	11.58	12.34	12.18
261.2306	12.24	11.81	11.61	12.27	12.19
261.3325	12.19	11.84	11.57	12.27	12.15
261.4345	12.15	11.79	11.60	12.35	12.07
261.5365	12.15	11.75	11.60	12.37	12.06
261.6384	12.21	11.78	11.61	12.31	12.17
261.7404	12.27	11.82	11.68	12.25	12.23
261.8423	12.25	11.87	11.73	12.26	12.20
261.9443	12.20	11.82	11.71	12.31	12.12
262.0463	12.21	11.76	11.70	12.36	12.08
262.1482	12.25	11.78	11.69	12.35	12.19
262.2502	12.28	11.83	11.69	12.24	12.24
262.3522	12.23	11.87	11.64	12.27	12.20
262.4541	12.16	11.83	11.63	12.32	12.09
262.5561	12.15	11.75	11.57	12.36	12.06
262.6581	12.18	11.79	11.55	12.34	12.11
262.7600	12.24	11.82	11.59	12.29	12.20
262.8620	12.23	11.85	11.60	12.27	12.21
262.9639	12.20	11.83	11.60	12.30	12.14
263.0659	12.20	11.74	11.67	12.36	12.09
263.1679	12.24	11.75	11.66	12.35	12.17
263.2698	12.31	11.80	11.71	12.28	12.27
263.3718	12.32	11.85	11.75	12.28	12.27
263.4738	12.22	11.80	11.71	12.31	12.18
263.5757	12.19	11.74	11.68	12.36	12.10
263.6777	12.24	11.75	11.67	12.38	12.13
263.7797	12.29	11.77	11.63	12.31	12.23
263.8816	12.26	11.81	11.60	12.29	12.22
263.9836	12.19	11.80	11.57	12.34	12.14
264.0855	12.16	11.71	11.57	12.38	12.10
264.1875	12.21	11.70	11.56	12.38	12.14
264.2895	12.27	11.77	11.62	12.32	12.22
264.3914	12.28	11.83	11.64	12.27	12.25
264.4934	12.23	11.80	11.65	12.32	12.20
264.5954	12.23	11.71	11.70	12.36	12.13
264.6973	12.24	11.72	11.74	12.37	12.17
264.7993	12.30	11.77	11.73	12.30	12.28
264.9013	12.35	11.81	11.71	12.27	12.27
265.0032	12.27	11.79	11.65	12.32	12.22
265.1052	12.20	11.73	11.65	12.37	12.13
265.2071	12.20	11.72	11.60	12.38	12.13
265.3091	12.23	11.77	11.58	12.31	12.21
265.4111	12.24	11.83	11.55	12.26	12.21
265.5130	12.21	11.82	11.57	12.32	12.15
265.6150	12.15	11.77	11.56	12.35	12.08
265.7170	12.19	11.73	11.60	12.34	12.12
265.8189	12.27	11.79	11.65	12.32	12.23

265.9209	12.30	11.84	11.68	12.26	12.26
266.0229	12.26	11.85	11.68	12.28	12.20
266.1248	12.22	11.79	11.70	12.36	12.13
266.2268	12.22	11.73	11.71	12.36	12.13
266.3287	12.24	11.79	11.69	12.30	12.24
266.4307	12.30	11.80	11.65	12.25	12.26
266.5327	12.24	11.82	11.61	12.27	12.21
266.6346	12.17	11.78	11.57	12.33	12.11
266.7366	12.17	11.73	11.56	12.37	12.07
266.8386	12.21	11.76	11.55	12.34	12.16
266.9405	12.24	11.81	11.57	12.25	12.22
267.0425	12.23	11.85	11.58	12.26	12.17
267.1444	12.15	11.84	11.61	12.34	12.07
267.2464	12.16	11.76	11.64	12.36	12.05
267.3484	12.23	11.77	11.70	12.36	12.15
267.4503	12.29	11.81	11.68	12.28	12.25
267.5523	12.27	11.83	11.69	12.24	12.23
267.6543	12.22	11.82	11.67	12.32	12.15
267.7562	12.20	11.74	11.66	12.37	12.08
267.8582	12.23	11.73	11.62	12.37	12.15
267.9602	12.27	11.76	11.59	12.28	12.23
268.0621	12.23	11.83	11.56	12.24	12.21
268.1641	12.17	11.81	11.57	12.28	12.14
268.2660	12.16	11.74	11.59	12.35	12.05
268.3680	12.19	11.75	11.59	12.39	12.10
268.4700	12.24	11.79	11.60	12.31	12.20
268.5719	12.26	11.84	11.68	12.24	12.23
268.6739	12.22	11.87	11.70	12.32	12.16
268.7759	12.20	11.80	11.74	12.36	12.10
268.8778	12.23	11.75	11.74	12.38	12.13
268.9798	12.28	11.79	11.73	12.30	12.22
269.0818	12.29	11.82	11.71	12.24	12.27
269.1837	12.23	11.86	11.71	12.29	12.21
269.2857	12.19	11.76	11.68	12.36	12.10
269.3876	12.21	11.71	11.63	12.37	12.13
269.4896	12.25	11.78	11.60	12.32	12.21
269.5916	12.27	11.84	11.62	12.26	12.25
269.6935	12.23	11.85	11.61	12.31	12.20
269.7955	12.18	11.78	11.66	12.34	12.11
269.8975	12.19	11.76	11.68	12.35	12.08
269.9994	12.23	11.82	11.68	12.33	12.18
270.1014	12.28	11.84	11.71	12.23	12.25
270.2034	12.24	11.87	11.76	12.28	12.20
270.3053	12.19	11.80	11.75	12.32	12.12
270.4073	12.20	11.73	11.71	12.35	12.12
270.5092	12.26	11.77	11.67	12.33	12.18
270.6112	12.29	11.77	11.67	12.27	12.26
270.7132	12.25	11.80	11.62	12.28	12.22
270.8151	12.18	11.78	11.61	12.34	12.11
270.9171	12.17	11.69	11.60	12.36	12.07
271.0191	12.20	11.74	11.60	12.32	12.16
271.1210	12.24	11.80	11.61	12.27	12.19
271.2230	12.22	11.85	11.63	12.29	12.16
271.3250	12.17	11.80	11.64	12.33	12.11
271.4269	12.19	11.75	11.70	12.37	12.08
271.5289	12.23	11.78	11.68	12.35	12.15
271.6308	12.26	11.80	11.70	12.28	12.22
271.7328	12.24	11.85	11.69	12.27	12.18
271.8348	12.18	11.82	11.67	12.32	12.10
271.9367	12.16	11.73	11.65	12.34	12.06
272.0387	12.18	11.75	11.61	12.34	12.12

272.1407	12.23	11.77	11.59	12.27	12.19
272.2426	12.24	11.82	11.58	12.25	12.20
272.3446	12.19	11.83	11.57	12.33	12.12
272.4466	12.18	11.74	11.60	12.37	12.07
272.5485	12.20	11.76	11.60	12.34	12.15
272.6505	12.25	11.83	11.64	12.26	12.23
272.7524	12.26	11.87	11.68	12.24	12.23
272.8544	12.20	11.88	11.69	12.30	12.14
272.9564	12.17	11.80	11.70	12.34	12.06
273.0583	12.19	11.76	11.69	12.34	12.10
273.1603	12.23	11.82	11.66	12.27	12.20
273.2623	12.26	11.84	11.67	12.24	12.24
273.3642	12.23	11.84	11.62	12.32	12.16
273.4662	12.18	11.76	11.58	12.37	12.07
273.5682	12.19	11.75	11.56	12.37	12.10
273.6701	12.25	11.78	11.61	12.33	12.21
273.7721	12.28	11.81	11.61	12.26	12.28
273.8740	12.24	11.84	11.62	12.27	12.20
273.9760	12.18	11.77	11.68	12.37	12.09
274.0780	12.20	11.74	11.68	12.37	12.10
274.1799	12.27	11.77	11.70	12.32	12.22
274.2819	12.31	11.82	11.76	12.23	12.29
274.3839	12.25	11.84	11.72	12.28	12.24
274.4858	12.20	11.77	11.68	12.35	12.12
274.5878	12.22	11.71	11.66	12.40	12.08
274.6898	12.24	11.74	11.65	12.35	12.20
274.7917	12.26	11.79	11.59	12.26	12.25
274.8937	12.22	11.80	11.59	12.28	12.20
274.9956	12.16	11.74	11.56	12.35	12.10
275.0976	12.18	11.68	11.57	12.37	12.07
275.1996	12.24	11.73	11.59	12.37	12.18
275.3015	12.29	11.77	11.63	12.27	12.26
275.4035	12.27	11.82	11.65	12.27	12.27
275.5055	12.24	11.77	11.70	12.33	12.18
275.6074	12.23	11.72	11.70	12.37	12.11
275.7094	12.25	11.75	11.72	12.35	12.20
275.8113	12.30	11.81	11.73	12.26	12.25
275.9133	12.25	11.84	11.69	12.23	12.22
276.0153	12.17	11.78	11.62	12.31	12.15
276.1172	12.17	11.73	11.62	12.37	12.06
276.2192	12.21	11.75	11.59	12.36	12.13
276.3212	12.25	11.79	11.55	12.30	12.22
276.4231	12.25	11.82	11.54	12.26	12.21
276.5251	12.18	11.82	11.57	12.30	12.15
276.6271	12.17	11.73	11.60	12.33	12.10
276.7290	12.22	11.76	11.65	12.36	12.15
276.8310	12.27	11.82	11.65	12.28	12.23
276.9329	12.27	11.85	11.69	12.23	12.24
277.0349	12.23	11.83	11.71	12.29	12.18
277.1369	12.20	11.77	11.72	12.33	12.11
277.2388	12.22	11.76	11.67	12.34	12.16
277.3408	12.28	11.80	11.66	12.32	12.22
277.4428	12.27	11.83	11.62	12.27	12.20
277.5447	12.19	11.84	11.57	12.30	12.14
277.6467	12.14	11.77	11.54	12.34	12.06
277.7487	12.15	11.74	11.56	12.36	12.07
277.8506	12.21	11.76	11.56	12.31	12.18
277.9526	12.25	11.81	11.57	12.25	12.20
278.0545	12.20	11.84	11.58	12.29	12.14
278.1565	12.17	11.77	11.65	12.34	12.09
278.2585	12.22	11.71	11.68	12.36	12.12

278.3604	12.27	11.77	11.71	12.31	12.23
278.4624	12.29	11.81	11.70	12.23	12.26
278.5644	12.25	11.85	11.67	12.28	12.20
278.6663	12.19	11.78	11.67	12.35	12.10
278.7683	12.19	11.71	11.67	12.37	12.11
278.8703	12.23	11.76	11.59	12.32	12.20
278.9722	12.26	11.79	11.58	12.28	12.22
279.0742	12.21	11.83	11.58	12.29	12.18
279.1761	12.16	11.78	11.59	12.34	12.08
279.2781	12.16	11.72	11.60	12.39	12.05
279.3801	12.22	11.75	11.63	12.34	12.17
279.4820	12.27	11.81	11.68	12.25	12.24
279.5840	12.26	11.86	11.70	12.27	12.24
279.6860	12.21	11.82	11.72	12.34	12.15
279.7879	12.22	11.72	11.76	12.37	12.10
279.8899	12.26	11.77	11.73	12.34	12.19
279.9919	12.29	11.79	11.71	12.25	12.28
280.0938	12.28	11.83	11.68	12.26	12.26
280.1958	12.21	11.81	11.66	12.34	12.15
280.2977	12.20	11.70	11.63	12.38	12.08
280.3997	12.20	11.74	11.59	12.34	12.16
280.5017	12.24	11.80	11.57	12.28	12.21
280.6036	12.24	11.85	11.62	12.24	12.22
280.7056	12.17	11.81	11.62	12.31	12.14
280.8076	12.16	11.73	11.65	12.35	12.05
280.9095	12.20	11.77	11.66	12.35	12.12
281.0115	12.27	11.81	11.71	12.27	12.24
281.1135	12.29	11.84	11.73	12.24	12.26
281.2154	12.22	11.83	11.72	12.30	12.16
281.3174	12.18	11.74	11.71	12.35	12.08
281.4193	12.21	11.74	11.69	12.36	12.11
281.5213	12.26	11.78	11.64	12.30	12.21
281.6233	12.25	11.80	11.62	12.24	12.23
281.7252	12.17	11.81	11.58	12.30	12.13
281.8272	12.15	11.73	11.60	12.35	12.05
281.9292	12.17	11.71	11.57	12.38	12.08
282.0311	12.23	11.78	11.55	12.32	12.17
282.1331	12.24	11.82	11.62	12.25	12.19
282.2351	12.19	11.84	11.65	12.29	12.15
282.3370	12.17	11.79	11.67	12.34	12.06
282.4390	12.18	11.76	11.69	12.37	12.07
282.5409	12.22	11.79	11.68	12.30	12.17
282.6429	12.27	11.83	11.69	12.24	12.23
282.7449	12.24	11.85	11.68	12.27	12.19
282.8468	12.17	11.79	11.66	12.33	12.11
282.9488	12.18	11.73	11.60	12.36	12.09
283.0508	12.23	11.76	11.57	12.32	12.18
283.1527	12.24	11.80	11.57	12.23	12.21
283.2547	12.19	11.86	11.58	12.26	12.17
283.3567	12.15	11.81	11.60	12.30	12.07
283.4586	12.15	11.74	11.61	12.34	12.04
283.5606	12.20	11.80	11.64	12.34	12.14
283.6625	12.27	11.85	11.68	12.28	12.22
283.7645	12.25	11.88	11.68	12.28	12.20
283.8665	12.20	11.85	11.73	12.33	12.13
283.9684	12.20	11.76	11.72	12.37	12.08
284.0704	12.23	11.79	11.68	12.33	12.18
284.1724	12.28	11.80	11.69	12.25	12.25
284.2743	12.26	11.84	11.69	12.27	12.23
284.3763	12.18	11.80	11.61	12.30	12.12
284.4782	12.16	11.71	11.59	12.33	12.07

284.5802	12.21	11.73	11.60	12.35	12.16
284.6822	12.28	11.77	11.62	12.28	12.26
284.7841	12.28	11.83	11.61	12.27	12.25
284.8861	12.21	11.79	11.63	12.33	12.14
284.9881	12.18	11.74	11.65	12.35	12.07
285.0900	12.21	11.75	11.70	12.35	12.15
285.1920	12.30	11.78	11.72	12.28	12.25
285.2940	12.27	11.83	11.71	12.27	12.26
285.3959	12.20	11.84	11.68	12.30	12.15
285.4979	12.18	11.72	11.69	12.34	12.05
285.5998	12.19	11.72	11.63	12.36	12.13
285.7018	12.25	11.76	11.60	12.30	12.23
285.8038	12.27	11.80	11.60	12.27	12.24
285.9057	12.22	11.78	11.56	12.32	12.17
286.0077	12.18	11.70	11.55	12.36	12.08
286.1097	12.20	11.71	11.59	12.36	12.11
286.2116	12.26	11.76	11.62	12.30	12.24
286.3136	12.28	11.81	11.66	12.24	12.26
286.4156	12.24	11.81	11.67	12.30	12.19
286.5175	12.20	11.76	11.68	12.36	12.10
286.6195	12.20	11.73	11.69	12.36	12.11
286.7214	12.27	11.78	11.72	12.28	12.22
286.8234	12.28	11.83	11.67	12.25	12.26
286.9254	12.22	11.83	11.63	12.29	12.20
287.0273	12.18	11.78	11.62	12.35	12.08
287.1293	12.16	11.72	11.60	12.36	12.05
287.2313	12.20	11.77	11.55	12.30	12.18
287.3332	12.25	11.81	11.58	12.23	12.22
287.4352	12.21	11.85	11.56	12.27	12.18
287.5372	12.17	11.77	11.58	12.33	12.11
287.6391	12.20	11.73	11.61	12.36	12.10
287.7411	12.25	11.80	11.64	12.33	12.18
287.8430	12.29	11.82	11.64	12.24	12.26
287.9450	12.27	11.86	11.68	12.25	12.24
288.0470	12.19	11.83	11.68	12.33	12.12
288.1489	12.18	11.76	11.67	12.35	12.07
288.2509	12.20	11.75	11.64	12.33	12.15
288.3529	12.25	11.81	11.62	12.24	12.20
288.4548	12.21	11.81	11.57	12.25	12.18
288.5568	12.16	11.79	11.55	12.33	12.10
288.6588	12.17	11.71	11.56	12.38	12.05
288.7607	12.22	11.72	11.56	12.37	12.15
288.8627	12.27	11.77	11.56	12.29	12.23
288.9646	12.26	11.83	11.61	12.26	12.22
289.0666	12.20	11.82	11.63	12.31	12.16
289.1686	12.20	11.72	11.69	12.35	12.10
289.2705	12.24	11.72	11.69	12.38	12.17
289.3725	12.28	11.76	11.70	12.28	12.24
289.4745	12.28	11.83	11.68	12.24	12.24
289.5764	12.21	11.82	11.66	12.32	12.15
289.6784	12.18	11.71	11.66	12.37	12.07
289.7804	12.20	11.72	11.62	12.39	12.12
289.8823	12.25	11.78	11.57	12.32	12.20
289.9843	12.24	11.81	11.56	12.26	12.22
290.0862	12.18	11.82	11.55	12.30	12.15
290.1882	12.16	11.74	11.63	12.36	12.04
290.2902	12.20	11.70	11.63	12.37	12.12
290.3921	12.27	11.77	11.63	12.30	12.25
290.4941	12.29	11.84	11.68	12.24	12.27
290.5961	12.25	11.82	11.73	12.30	12.22
290.6980	12.22	11.73	11.74	12.33	12.12

290.8000	12.24	11.72	11.73	12.35	12.13
290.9020	12.26	11.79	11.69	12.31	12.24
291.0039	12.27	11.81	11.68	12.23	12.26
291.1059	12.23	11.83	11.64	12.28	12.19
291.2078	12.17	11.75	11.63	12.35	12.06
291.3098	12.15	11.72	11.57	12.36	12.05
291.4118	12.20	11.80	11.57	12.34	12.14
291.5137	12.26	11.82	11.59	12.25	12.24
291.6157	12.21	11.82	11.60	12.29	12.20
291.7177	12.17	11.80	11.63	12.33	12.09
291.8196	12.19	11.75	11.69	12.36	12.06
291.9216	12.24	11.77	11.69	12.31	12.18
292.0236	12.29	11.81	11.73	12.24	12.26
292.1255	12.24	11.85	11.73	12.27	12.22
292.2275	12.17	11.80	11.72	12.31	12.11
292.3294	12.18	11.72	11.68	12.35	12.06
292.4314	12.23	11.75	11.65	12.33	12.13
292.5334	12.24	11.78	11.60	12.26	12.20
292.6353	12.20	11.83	11.57	12.28	12.17
292.7373	12.15	11.79	11.57	12.33	12.07
292.8393	12.13	11.72	11.54	12.35	12.02
292.9412	12.16	11.77	11.54	12.34	12.09
293.0432	12.23	11.79	11.61	12.25	12.17
293.1451	12.21	11.85	11.64	12.25	12.18
293.2471	12.18	11.84	11.66	12.31	12.13
293.3491	12.20	11.73	11.69	12.36	12.07
293.4510	12.22	11.76	11.70	12.33	12.14
293.5530	12.27	11.79	11.71	12.26	12.22
293.6550	12.27	11.84	11.71	12.24	12.22
293.7569	12.19	11.84	11.68	12.31	12.15
293.8589	12.16	11.77	11.65	12.35	12.05
293.9609	12.18	11.76	11.60	12.35	12.09
294.0628	12.21	11.79	11.58	12.28	12.18
294.1648	12.23	11.84	11.58	12.24	12.19
294.2667	12.19	11.87	11.61	12.32	12.13
294.3687	12.15	11.76	11.61	12.35	12.05
294.4707	12.17	11.76	11.61	12.33	12.09
294.5726	12.24	11.82	11.66	12.29	12.18
294.6746	12.27	11.84	11.75	12.22	12.23
294.7766	12.23	11.86	11.72	12.28	12.19
294.8785	12.21	11.77	11.73	12.35	12.09
294.9805	12.21	11.76	11.71	12.35	12.13
295.0825	12.27	11.76	11.71	12.30	12.25
295.1844	12.31	11.79	11.67	12.24	12.29
295.2864	12.23	11.83	11.63	12.28	12.20
295.3883	12.17	11.75	11.60	12.35	12.09
295.4903	12.19	11.69	11.59	12.39	12.09
295.5923	12.23	11.74	11.57	12.33	12.19
295.6942	12.24	11.80	11.60	12.22	12.24
295.7962	12.21	11.84	11.62	12.27	12.16
295.8982	12.16	11.76	11.64	12.33	12.07
296.0001	12.19	11.70	11.67	12.37	12.06
296.1021	12.25	11.76	11.71	12.34	12.20
296.2041	12.30	11.80	11.70	12.25	12.28
296.3060	12.25	11.81	11.69	12.26	12.22
296.4080	12.21	11.74	11.66	12.33	12.11
296.5099	12.20	11.69	11.64	12.38	12.08
296.6119	12.24	11.74	11.62	12.35	12.20
296.7139	12.28	11.76	11.60	12.26	12.26
296.8158	12.23	11.81	11.55	12.25	12.22
296.9178	12.16	11.75	11.55	12.31	12.11

297.0198	12.17	11.70	11.58	12.36	12.05
297.1217	12.22	11.74	11.59	12.36	12.16
297.2237	12.28	11.79	11.61	12.27	12.26
297.3257	12.26	11.85	11.65	12.26	12.24
297.4276	12.19	11.82	11.64	12.31	12.12
297.5296	12.18	11.73	11.69	12.34	12.06
297.6315	12.22	11.76	11.70	12.34	12.14
297.7335	12.26	11.81	11.67	12.28	12.22
297.8355	12.25	11.82	11.63	12.25	12.23
297.9374	12.20	11.82	11.61	12.30	12.15
298.0394	12.17	11.73	11.57	12.33	12.05
298.1414	12.19	11.72	11.55	12.35	12.14
298.2433	12.25	11.78	11.54	12.29	12.22
298.3453	12.26	11.84	11.55	12.26	12.23
298.4473	12.20	11.81	11.54	12.30	12.17
298.5492	12.16	11.75	11.60	12.32	12.06
298.6512	12.18	11.76	11.63	12.33	12.07
298.7531	12.25	11.80	11.67	12.29	12.20
298.8551	12.28	11.83	11.66	12.26	12.24
298.9571	12.23	11.85	11.65	12.30	12.18
299.0590	12.18	11.76	11.67	12.34	12.08
299.1610	12.22	11.70	11.65	12.37	12.11
299.2630	12.27	11.77	11.60	12.32	12.22
299.3649	12.26	11.79	11.59	12.24	12.24
299.4669	12.19	11.81	11.56	12.29	12.18
299.5689	12.16	11.72	11.57	12.34	12.07
299.6708	12.17	11.67	11.55	12.36	12.07
299.7728	12.22	11.74	11.58	12.32	12.18
299.8747	12.27	11.79	11.62	12.28	12.22
299.9767	12.25	11.81	11.61	12.30	12.21
300.0787	12.21	11.75	11.66	12.36	12.12

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_4\Relazione\L4_B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 7 - Portata massima 200 l/s
 Filename = L4_B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_4\Relazione\L4_B.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 17: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 28: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 36: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 102: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 103: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 104: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

 PUMP at Node 501: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 502: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 503: Pump Performance Data
 ===================================-

Not available for other pump options

AIRV at Node 726: Air Valve Performance Data
==========

Air Valve
=========

Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 727: Air Valve Performance Data
==========

Air Valve
=========

Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

5. Comizio irriguo n.5

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_5\Relazione\L5_G.doc
HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: LINEA 5 - Portata massima 250 l/s
Filename = L5_G.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_5\Relazione\L5_G.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	90.02	6.71	87.22	3.91
1	2	89.94	6.73	87.14	3.93
1	3	89.85	6.78	87.05	3.98
1	4	89.77	6.77	86.97	3.97
1	5	89.69	6.77	86.89	3.97
1	6	89.61	6.82	86.81	4.02
1	7	89.52	6.89	86.72	4.09
2	1	88.97	6.47	86.17	3.67
2	2	88.92	6.66	86.09	3.82
2	3	88.88	6.78	86.01	3.91
2	4	88.83	6.96	85.93	4.06
2	5	88.83	7.02	85.89	4.08
2	6	88.74	7.11	85.76	4.13
2	7	88.70	7.20	85.68	4.19
2	8	88.64	7.35	85.59	4.30
2	9	88.59	7.49	85.50	4.40
2	10	88.56	7.52	85.44	4.40
2	11	88.51	7.50	85.36	4.34
2	12	88.47	7.49	85.28	4.30
2	13	88.42	7.53	85.19	4.30
2	14	88.38	7.63	85.11	4.37
2	15	88.35	7.78	85.05	4.48
3	1	88.35	7.78	85.05	4.48
3	2	88.31	7.82	85.01	4.52
4	1	87.27	6.67	83.97	3.37
4	2	87.18	6.71	83.89	3.43
4	3	87.08	6.50	83.82	3.24
4	4	86.97	6.33	83.73	3.08
4	5	86.87	6.24	83.64	3.01
4	6	86.77	6.16	83.55	2.95
4	7	86.67	6.11	83.48	2.92
4	8	86.57	6.12	83.39	2.94
4	9	86.48	6.21	83.32	3.05
4	10	86.37	6.25	83.23	3.11
4	11	86.27	6.17	83.15	3.05
4	12	86.18	6.09	83.07	2.98
5	1	85.85	6.17	82.85	3.17
5	2	85.29	6.20	82.26	3.18
5	3	84.73	6.28	81.68	3.23
5	4	84.18	6.44	81.11	3.37
5	5	83.64	6.55	80.54	3.45
5	6	83.08	6.57	79.96	3.44
5	7	82.54	6.66	79.39	3.51

5	8	81.99	6.62	78.81	3.44
5	9	81.43	6.76	78.23	3.56
5	10	80.88	6.90	77.66	3.68
5	11	80.34	7.08	77.09	3.83
5	12	79.78	7.23	76.51	3.95
5	13	79.22	7.27	75.92	3.97
6	1	79.22	7.27	75.92	3.97
6	2	79.15	7.20	75.84	3.88
6	3	79.01	7.20	75.68	3.87
6	4	78.87	7.24	75.53	3.90
6	5	78.66	7.15	75.31	3.80
7	1	77.78	6.83	74.38	3.43
7	2	77.62	6.81	74.23	3.42
7	3	77.49	6.70	74.11	3.32
7	4	77.31	6.55	73.94	3.18
7	5	77.16	6.42	73.80	3.06
7	6	77.02	6.34	73.66	2.98
7	7	76.86	6.26	73.51	2.91
7	8	76.71	6.12	73.37	2.78
7	9	76.56	6.13	73.22	2.80
7	10	76.40	6.18	73.07	2.85
7	11	76.24	6.22	72.92	2.90
7	12	76.09	6.08	72.78	2.77
7	13	75.94	6.10	72.64	2.80
8	1	75.94	6.10	72.64	2.80
8	2	75.81	5.90	72.65	2.73
9	1	74.16	5.63	71.36	2.83
9	2	74.28	5.81	71.38	2.91
9	3	74.36	5.92	71.36	2.92
10	1	86.67	0.46	87.82	1.61
10	2	86.61	1.64	87.76	2.79
11	1	88.80	0.46	87.95	-0.39
11	2	88.77	1.31	87.92	0.46
12	1	92.03	-5.48	91.18	-6.33
12	2	88.73	-2.77	87.88	-3.62
13	1	88.70	-2.58	87.85	-3.43
13	2	88.71	-2.03	87.86	-2.88
14	1	92.03	-3.13	91.18	-3.98
14	2	88.86	-1.63	88.01	-2.48
15	1	88.77	1.31	87.92	0.46
15	2	86.59	1.12	87.74	2.27
16	1	88.73	-2.77	87.88	-3.62
16	2	86.61	0.75	87.76	1.90
17	1	88.71	-2.03	87.86	-2.88
17	2	86.61	1.64	87.76	2.79
18	1	88.86	-1.63	88.01	-2.48
18	2	86.67	0.46	87.82	1.61
19	1	86.59	1.12	87.74	2.27
19	2	86.55	2.44	87.70	3.59
20	1	86.61	1.64	87.76	2.79
20	2	86.61	0.75	87.76	1.90
21	1	88.96	6.10	86.76	3.90
21	2	88.90	6.04	86.70	3.84
21	3	88.82	6.00	86.62	3.80
21	4	88.73	5.96	86.53	3.76
22	1	86.61	0.75	87.76	1.90
22	2	86.55	2.44	87.70	3.59
23	1	15.88	-2.58	13.63	-4.83
23	2	23.25	-7.81	22.40	-8.66
24	1	77.93	5.92	75.93	3.92
24	2	77.98	5.83	75.98	3.83

25	1	15.88	-2.58	13.63	-4.83
25	2	22.31	-7.90	21.46	-8.75
26	1	72.88	4.31	71.38	2.81
26	2	72.87	4.21	71.37	2.71
27	1	15.88	-2.58	13.63	-4.83
27	2	21.67	-10.01	20.82	-10.86
28	1	88.35	6.35	86.15	4.15
28	2	88.11	6.45	85.90	4.24
28	3	87.88	6.56	85.66	4.34
28	4	87.69	6.61	85.46	4.38
29	1	85.84	7.28	83.54	4.98
29	2	85.81	7.23	83.51	4.93
29	3	85.74	7.08	83.44	4.78
29	4	85.66	6.88	83.36	4.58
29	5	85.56	6.76	83.26	4.46
29	6	85.49	6.63	83.19	4.33
29	7	85.41	6.53	83.11	4.23
29	8	85.34	6.49	83.04	4.19
29	9	85.25	6.44	82.95	4.14
29	10	85.17	6.40	82.87	4.10
30	1	84.75	6.26	82.45	3.96
30	2	84.67	6.25	82.38	3.96
30	3	84.61	6.13	82.33	3.85
30	4	84.52	6.05	82.24	3.77
30	5	84.44	5.97	82.16	3.70
30	6	84.35	5.87	82.09	3.61
30	7	84.27	5.81	82.01	3.55
30	8	84.18	5.77	81.93	3.52
30	9	84.06	5.76	81.82	3.52
30	10	83.99	5.77	81.75	3.54
30	11	83.92	5.84	81.69	3.61
30	12	83.84	5.82	81.61	3.60
30	13	83.75	5.83	81.54	3.62
30	14	83.66	5.87	81.46	3.66
30	15	83.58	5.90	81.38	3.70
31	1	83.58	5.90	81.38	3.70
31	2	83.15	5.78	80.90	3.53
31	3	82.65	5.77	80.36	3.48
31	4	82.15	5.87	79.81	3.53
31	5	81.65	5.76	79.26	3.37
31	6	81.15	5.74	78.72	3.30
31	7	80.65	5.87	78.17	3.39
31	8	80.03	5.92	77.50	3.39
32	1	77.84	6.39	75.14	3.69
32	2	77.30	6.41	74.60	3.72
32	3	76.75	6.35	74.06	3.66
32	4	76.24	6.45	73.55	3.76
32	5	75.73	6.64	73.04	3.96
32	6	75.14	6.78	72.46	4.10
32	7	74.59	6.74	71.91	4.07
32	8	74.03	6.62	71.36	3.95
32	9	73.51	6.65	70.85	3.98
32	10	72.97	6.59	70.31	3.93
32	11	72.42	6.58	69.77	3.93
32	12	71.89	6.73	69.23	4.07
32	13	71.33	6.83	68.68	4.18
33	1	71.33	6.83	68.68	4.18
33	2	71.22	6.80	68.58	4.15
33	3	71.06	6.86	68.42	4.22
33	4	70.94	6.78	68.30	4.14
34	1	69.80	6.16	67.20	3.56

34	2	69.69	6.21	67.06	3.58
34	3	69.59	6.13	66.93	3.47
34	4	69.48	6.07	66.79	3.38
34	5	69.38	5.98	66.65	3.25
34	6	69.28	5.73	66.52	2.97
34	7	69.17	5.65	66.38	2.86
34	8	69.06	5.57	66.23	2.75
34	9	68.96	5.62	66.10	2.77
34	10	68.85	5.61	65.97	2.72
34	11	68.75	5.72	65.83	2.80
34	12	68.65	5.83	65.70	2.88
35	1	68.65	5.83	65.70	2.88
35	2	68.68	5.80	65.70	2.83
35	3	68.69	5.87	65.69	2.87
36	1	15.88	-2.58	13.63	-4.83
36	2	23.61	-10.13	22.76	-10.98
37	1	88.74	6.31	86.34	3.91
37	2	88.70	6.35	86.26	3.90
37	3	88.66	6.25	86.18	3.77
37	4	88.63	6.19	86.10	3.66
37	5	88.59	6.20	86.02	3.63
37	6	88.54	6.21	85.93	3.60
37	7	88.51	6.11	85.85	3.46
38	1	88.42	6.98	85.32	3.88
38	2	88.36	6.95	85.25	3.83
38	3	88.28	6.97	85.15	3.84
38	4	88.22	7.00	85.08	3.86
38	5	88.16	7.11	85.00	3.95
38	6	88.09	7.18	84.92	4.01
38	7	88.03	7.21	84.85	4.02
38	8	87.97	7.23	84.77	4.03
38	9	87.91	7.36	84.69	4.15
38	10	87.84	7.40	84.61	4.17
38	11	87.78	7.48	84.53	4.24
38	12	87.71	7.53	84.46	4.27
38	13	87.65	7.59	84.38	4.32
38	14	87.59	7.70	84.30	4.41
38	15	87.52	7.78	84.22	4.48
39	1	87.52	7.78	84.22	4.48
39	2	87.57	7.90	84.22	4.56
40	1	86.72	6.86	83.22	3.36
40	2	86.59	6.67	83.14	3.22
40	3	86.47	6.54	83.06	3.13
40	4	86.35	6.48	82.99	3.12
40	5	86.23	6.36	82.91	3.04
40	6	86.10	6.29	82.83	3.01
40	7	85.98	6.19	82.75	2.96
40	8	85.85	6.10	82.67	2.92
40	9	85.73	6.04	82.59	2.90
40	10	85.61	5.98	82.51	2.89
40	11	85.49	5.93	82.44	2.88
40	12	85.36	5.89	82.36	2.89
41	1	84.93	5.88	82.13	3.08
41	2	84.34	5.77	81.58	3.01
41	3	83.74	5.65	81.03	2.93
41	4	83.15	5.63	80.48	2.96
41	5	82.56	5.67	79.93	3.04
41	6	81.97	5.65	79.37	3.06
41	7	81.37	5.75	78.82	3.20
41	8	80.77	5.88	78.26	3.37
41	9	80.19	5.94	77.72	3.48

41	10	79.60	5.91	77.17	3.49
41	11	79.00	5.94	76.61	3.56
41	12	78.39	5.83	76.05	3.48
41	13	77.79	5.68	75.49	3.38
42	1	77.79	5.68	75.49	3.38
42	2	77.78	5.66	75.43	3.31
42	3	77.69	5.64	75.29	3.24
42	4	77.60	5.55	75.15	3.09
42	5	77.44	5.58	74.93	3.07
43	1	77.00	6.06	74.10	3.16
43	2	76.87	6.09	73.97	3.19
43	3	76.75	6.14	73.84	3.22
43	4	76.63	6.22	73.70	3.30
43	5	76.51	6.23	73.57	3.30
43	6	76.38	6.22	73.44	3.28
43	7	76.26	6.24	73.31	3.29
43	8	76.13	6.36	73.18	3.40
43	9	76.01	6.46	73.04	3.50
43	10	75.89	6.61	72.91	3.63
43	11	75.77	6.63	72.78	3.64
43	12	75.65	6.54	72.65	3.54
43	13	75.53	6.41	72.53	3.41
44	1	75.53	6.41	72.53	3.41
44	2	75.53	6.28	72.53	3.28
45	1	74.36	5.92	71.36	2.92
45	2	73.73	5.14	71.38	2.79
46	1	87.56	6.09	85.46	3.99
46	2	87.56	6.20	85.47	4.12
46	3	87.37	6.24	85.30	4.17
46	4	87.18	6.23	85.12	4.17
46	5	86.96	6.27	84.92	4.23
46	6	86.75	6.34	84.72	4.31
46	7	86.58	6.45	84.56	4.44
46	8	86.36	6.51	84.36	4.51
46	9	86.16	6.72	84.17	4.74
46	10	85.94	6.73	83.97	4.76
46	11	85.76	6.75	83.80	4.80
46	12	85.55	6.72	83.61	4.77
46	13	85.33	6.66	83.40	4.73
46	14	85.20	6.69	83.28	4.78
46	15	84.98	6.67	83.08	4.77
47	1	84.98	6.67	83.08	4.77
47	2	84.96	6.66	83.04	4.74
47	3	84.85	6.62	82.92	4.68
47	4	84.81	6.56	82.86	4.61
47	5	84.76	6.53	82.79	4.56
47	6	84.68	6.55	82.70	4.57
47	7	84.64	6.60	82.64	4.60
47	8	84.57	6.53	82.56	4.52
47	9	84.49	6.44	82.46	4.41
47	10	84.43	6.39	82.38	4.35
48	1	84.09	6.09	81.99	3.99
48	2	84.02	5.94	81.92	3.84
48	3	83.97	5.86	81.87	3.76
48	4	83.90	5.83	81.80	3.73
48	5	83.83	5.74	81.73	3.64
48	6	83.75	5.70	81.65	3.60
48	7	83.67	5.71	81.57	3.61
48	8	83.60	5.74	81.50	3.64
48	9	83.48	5.77	81.38	3.67
48	10	83.42	5.77	81.32	3.67

48	11	83.36	5.81	81.26	3.71
48	12	83.29	5.83	81.19	3.73
48	13	83.21	5.90	81.11	3.80
48	14	83.13	5.89	81.03	3.79
48	15	83.06	5.89	80.96	3.79
49	1	83.06	5.89	80.96	3.79
49	2	82.64	5.91	80.49	3.76
49	3	82.16	5.86	79.96	3.66
49	4	81.67	6.01	79.43	3.76
49	5	81.19	6.04	78.89	3.75
49	6	80.70	5.96	78.36	3.61
49	7	80.22	6.09	77.83	3.70
49	8	79.61	6.25	77.17	3.81
50	1	77.46	6.42	74.86	3.82
50	2	76.95	6.53	74.32	3.91
50	3	76.45	6.69	73.81	4.05
50	4	75.97	6.65	73.31	3.98
50	5	75.50	6.69	72.81	4.00
50	6	74.95	6.69	72.24	3.99
50	7	74.43	6.85	71.71	4.13
50	8	73.92	6.94	71.17	4.19
50	9	73.43	7.05	70.66	4.29
50	10	72.93	7.22	70.14	4.44
50	11	72.41	7.33	69.60	4.52
50	12	71.90	7.32	69.07	4.49
50	13	71.40	7.28	68.55	4.43
51	1	71.40	7.28	68.55	4.43
51	2	71.30	7.06	68.45	4.21
51	3	71.17	6.88	68.31	4.02
51	4	71.05	6.65	68.18	3.78
52	1	70.03	6.64	67.13	3.74
52	2	69.91	6.47	67.00	3.56
52	3	69.79	6.23	66.87	3.31
52	4	69.66	6.22	66.74	3.30
52	5	69.54	6.28	66.61	3.34
52	6	69.42	6.10	66.48	3.16
52	7	69.29	6.07	66.34	3.12
52	8	69.18	5.90	66.22	2.94
52	9	69.06	5.87	66.09	2.89
52	10	68.93	5.84	65.95	2.85
52	11	68.81	5.87	65.81	2.88
52	12	68.69	5.87	65.69	2.87
53	1	68.69	5.87	65.69	2.87
53	2	68.03	5.08	65.68	2.73
54	1	90.49	6.79	87.69	3.99
54	2	90.37	6.84	87.57	4.04
54	3	90.29	6.85	87.49	4.05
54	4	90.23	6.89	87.43	4.09
54	5	90.17	6.86	87.37	4.06
54	6	90.09	6.78	87.29	3.98
54	7	90.02	6.71	87.22	3.91
55	1	84.54	5.21	83.54	4.21
55	2	84.57	5.05	83.57	4.05
56	1	90.49	6.79	87.69	3.99
56	2	90.28	6.67	87.54	3.94
56	3	90.02	6.48	87.36	3.81
56	4	89.79	6.47	87.19	3.87
56	5	89.55	6.55	87.02	4.02
56	6	89.30	6.61	86.84	4.15
56	7	89.07	6.51	86.67	4.11
56	8	88.83	6.44	86.49	4.11

56	9	88.58	6.38	86.32	4.11
56	10	88.35	6.35	86.15	4.15
57	1	70.04	5.38	68.69	4.03
57	2	70.04	5.26	68.69	3.91
58	1	90.49	6.79	87.69	3.99
58	2	89.98	6.54	87.38	3.94
58	3	89.46	6.29	87.06	3.89
58	4	88.96	6.10	86.76	3.90
59	1	67.35	4.38	65.70	2.73
59	2	67.36	4.27	65.71	2.62
60	1	88.96	6.10	86.76	3.90
60	2	88.91	6.22	86.68	3.98
60	3	88.87	6.31	86.60	4.04
60	4	88.85	6.33	86.55	4.03
60	5	88.81	6.31	86.47	3.97
60	6	88.77	6.28	86.41	3.91
60	7	88.74	6.31	86.34	3.91
61	1	88.73	5.96	86.53	3.76
61	2	88.55	5.94	86.37	3.76
61	3	88.36	6.02	86.20	3.85
61	4	88.16	6.10	86.01	3.95
61	5	87.96	6.06	85.83	3.92
61	6	87.77	6.03	85.65	3.92
61	7	87.56	6.09	85.46	3.99
62	1	76.50	4.16	75.50	3.16
62	2	76.55	4.06	75.55	3.06
63	1	74.16	5.63	71.36	2.83
63	2	73.53	4.98	71.38	2.83
64	1	73.07	4.44	71.37	2.74
64	2	73.08	4.38	71.38	2.68
65	1	68.65	5.83	65.70	2.88
65	2	67.99	5.09	65.69	2.79
66	1	83.69	4.68	83.09	4.08
66	2	83.74	4.66	83.14	4.06
67	1	71.33	6.83	68.68	4.18
67	2	70.66	6.13	68.66	4.13
68	1	70.09	5.69	68.54	4.14
68	2	70.09	5.60	68.54	4.05
69	1	71.40	7.28	68.55	4.43
69	2	70.73	6.53	68.53	4.33
70	1	67.39	4.28	65.69	2.58
70	2	67.39	4.25	65.69	2.55
71	1	85.84	7.28	83.54	4.98
71	2	85.19	6.18	83.54	4.53
72	1	89.99	6.19	87.69	3.89
72	2	90.49	6.79	87.69	3.99
73	1	73.73	5.14	71.38	2.79
73	2	73.07	4.44	71.37	2.74
74	1	73.53	4.98	71.38	2.83
74	2	72.88	4.31	71.38	2.81
75	1	67.99	5.09	65.69	2.79
75	2	67.35	4.38	65.70	2.73
76	1	68.03	5.08	65.68	2.73
76	2	67.39	4.28	65.69	2.58
77	1	70.66	6.13	68.66	4.13
77	2	70.04	5.38	68.69	4.03
78	1	70.73	6.53	68.53	4.33
78	2	70.09	5.69	68.54	4.14
79	1	85.19	6.18	83.54	4.53
79	2	84.54	5.21	83.54	4.21
80	1	84.32	5.69	83.07	4.44

80	2	83.69	4.68	83.09	4.08
81	1	78.57	6.61	75.92	3.96
81	2	77.93	5.92	75.93	3.92
82	1	77.15	4.92	75.50	3.27
82	2	76.50	4.16	75.50	3.16
83	1	0.00	-0.64	-2.25	-2.89
83	2	15.88	-2.58	13.63	-4.83
84	1	84.98	6.67	83.08	4.77
84	2	84.32	5.69	83.07	4.44
85	1	79.22	7.27	75.92	3.97
85	2	78.57	6.61	75.92	3.96
86	1	77.79	5.68	75.49	3.38
86	2	77.15	4.92	75.50	3.27
88	1	86.55	2.44	87.70	3.59
88	2	89.99	6.19	87.69	3.89
89	1	89.52	6.89	86.72	4.09
89	2	89.54	6.90	86.74	4.10
89	3	89.44	6.87	86.64	4.07
89	4	89.35	6.79	86.55	3.99
89	5	89.27	6.77	86.47	3.97
89	6	89.22	6.78	86.42	3.98
89	7	89.12	6.59	86.32	3.79
89	8	89.05	6.46	86.25	3.66
89	9	88.97	6.47	86.17	3.67
90	1	88.31	7.82	85.01	4.52
90	2	88.32	7.80	85.02	4.50
90	3	88.26	7.82	84.96	4.52
90	4	88.16	7.76	84.86	4.46
90	5	88.08	7.74	84.78	4.44
90	6	88.00	7.63	84.70	4.33
90	7	87.93	7.54	84.63	4.24
90	8	87.85	7.48	84.55	4.18
90	9	87.77	7.55	84.47	4.25
90	10	87.69	7.39	84.39	4.09
90	11	87.59	7.10	84.29	3.80
90	12	87.52	6.93	84.22	3.63
90	13	87.44	6.77	84.14	3.47
90	14	87.35	6.71	84.05	3.41
90	15	87.27	6.67	83.97	3.37
91	1	86.18	6.09	83.07	2.98
91	2	86.15	6.08	83.07	3.00
91	3	86.04	6.08	82.99	3.02
91	4	85.95	6.16	82.92	3.13
91	5	85.85	6.17	82.85	3.17
92	1	78.66	7.15	75.31	3.80
92	2	78.67	6.91	75.31	3.55
92	3	78.53	6.86	75.17	3.50
92	4	78.41	6.94	75.04	3.57
92	5	78.28	7.04	74.91	3.66
92	6	78.15	7.09	74.77	3.71
92	7	78.02	7.05	74.64	3.66
92	8	77.90	6.92	74.51	3.53
92	9	77.78	6.83	74.38	3.43
93	1	75.81	5.90	72.65	2.73
93	2	75.78	5.79	72.65	2.66
93	3	75.60	5.77	72.51	2.68
93	4	75.41	5.79	72.36	2.74
93	5	75.23	5.76	72.22	2.74
93	6	75.05	5.64	72.07	2.66
93	7	74.88	5.67	71.93	2.73
93	8	74.70	5.79	71.79	2.88

93	9	74.52	5.80	71.65	2.92
93	10	74.34	5.71	71.51	2.87
93	11	74.16	5.63	71.36	2.83
94	1	75.53	6.28	72.53	3.28
94	2	75.52	6.18	72.52	3.18
94	3	75.41	6.20	72.41	3.20
94	4	75.27	6.24	72.27	3.24
94	5	75.14	6.23	72.14	3.23
94	6	75.01	6.31	72.01	3.31
94	7	74.89	6.20	71.89	3.20
94	8	74.76	6.06	71.76	3.06
94	9	74.63	6.00	71.63	3.00
94	10	74.50	6.11	71.50	3.11
94	11	74.36	5.92	71.36	2.92
95	1	77.44	5.58	74.93	3.07
95	2	77.49	5.59	74.93	3.04
95	3	77.42	5.63	74.82	3.02
95	4	77.35	5.71	74.70	3.06
95	5	77.28	5.83	74.57	3.12
95	6	77.21	5.84	74.45	3.08
95	7	77.13	5.84	74.33	3.04
95	8	77.07	5.92	74.22	3.07
95	9	77.00	6.06	74.10	3.16
96	1	85.36	5.89	82.36	2.89
96	2	85.31	5.93	82.36	2.98
96	3	85.19	6.01	82.29	3.11
96	4	85.05	5.91	82.20	3.06
96	5	84.93	5.88	82.13	3.08
97	1	87.57	7.90	84.22	4.56
97	2	87.57	7.97	84.22	4.61
97	3	87.51	8.00	84.14	4.63
97	4	87.44	8.04	84.06	4.66
97	5	87.39	7.92	84.00	4.53
97	6	87.31	7.84	83.91	4.44
97	7	87.24	7.69	83.83	4.28
97	8	87.18	7.64	83.75	4.22
97	9	87.12	7.59	83.68	4.16
97	10	87.05	7.66	83.60	4.22
97	11	86.99	7.51	83.53	4.06
97	12	86.92	7.34	83.45	3.87
97	13	86.85	7.15	83.37	3.67
97	14	86.78	7.08	83.29	3.59
97	15	86.72	6.86	83.22	3.36
98	1	88.51	6.11	85.85	3.46
98	2	88.56	6.16	85.84	3.44
98	3	88.54	6.32	85.77	3.55
98	4	88.52	6.45	85.69	3.63
98	5	88.50	6.65	85.62	3.77
98	6	88.47	6.81	85.54	3.87
98	7	88.47	6.83	85.48	3.84
98	8	88.44	6.92	85.40	3.87
98	9	88.42	6.98	85.32	3.88
99	1	84.43	6.39	82.38	4.35
99	2	84.44	6.39	82.38	4.33
99	3	84.35	6.27	82.28	4.20
99	4	84.27	6.24	82.20	4.17
99	5	84.21	6.19	82.13	4.11
99	6	84.14	6.19	82.05	4.10
99	7	84.09	6.09	81.99	3.99
100	1	79.61	6.25	77.17	3.81
100	2	79.65	6.29	77.17	3.82

100	3	79.13	6.35	76.63	3.84
100	4	78.55	6.36	76.01	3.83
100	5	78.00	6.35	75.44	3.78
100	6	77.46	6.42	74.86	3.82
101	1	71.05	6.65	68.18	3.78
101	2	71.04	6.66	68.18	3.79
101	3	70.93	6.58	68.05	3.71
101	4	70.79	6.50	67.91	3.62
101	5	70.67	6.51	67.79	3.63
101	6	70.54	6.58	67.65	3.69
101	7	70.41	6.68	67.53	3.79
101	8	70.29	6.75	67.39	3.86
101	9	70.16	6.72	67.27	3.83
101	10	70.03	6.64	67.13	3.74
102	1	70.94	6.78	68.30	4.14
102	2	70.92	6.58	68.29	3.95
102	3	70.78	6.44	68.15	3.82
102	4	70.64	6.49	68.02	3.86
102	5	70.50	6.41	67.88	3.80
102	6	70.36	6.24	67.75	3.62
102	7	70.22	6.10	67.61	3.49
102	8	70.08	6.14	67.47	3.53
102	9	69.94	6.19	67.34	3.58
102	10	69.80	6.16	67.20	3.56
103	1	80.03	5.92	77.50	3.39
103	2	80.07	6.00	77.50	3.43
103	3	79.54	6.07	76.94	3.47
103	4	78.97	6.23	76.34	3.60
103	5	78.39	6.32	75.73	3.66
103	6	77.84	6.39	75.14	3.69
104	1	85.17	6.40	82.87	4.10
104	2	85.15	6.42	82.85	4.12
104	3	85.08	6.39	82.78	4.09
104	4	85.01	6.34	82.71	4.04
104	5	84.89	6.32	82.59	4.02
104	6	84.81	6.28	82.51	3.98
104	7	84.75	6.26	82.45	3.96
105	1	87.69	6.61	85.46	4.38
105	2	87.67	6.71	85.43	4.48
105	3	87.47	6.75	85.23	4.51
105	4	87.30	6.83	85.05	4.59
105	5	87.12	6.92	84.87	4.66
105	6	86.93	6.98	84.67	4.72
105	7	86.76	7.08	84.49	4.81
105	8	86.59	7.22	84.32	4.94
105	9	86.41	7.31	84.13	5.03
105	10	86.21	7.38	83.92	5.09
105	11	86.05	7.38	83.75	5.08
105	12	85.84	7.28	83.54	4.98

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Date Created: Friday, January 22, 2021 - Time: 7 : 39 PM
Consorzio di Bonifica della Pianura Ferrarese
Sistema Irriguo Valle Pega
LINEA 5 - Portata massima 250 l/s

```
    4    1
   58    3   50
   35    2   50
    9    2   50
   21    4  100
   100.00   -10.00
 300.0000     0.1144
```

Time	Pipe 58@ 50%	Pipe 35@ 50%	Pipe 9@ 50%	Pipe 21@100%
0.0000	89.39	68.61	74.23	88.64
0.1144	89.40	68.62	74.18	88.64
0.2289	89.41	68.62	74.25	88.66
0.3433	89.39	68.57	74.14	88.73
0.4577	89.40	68.59	74.14	88.60
0.5721	89.46	68.58	74.09	88.60
0.6866	89.38	68.59	74.19	88.58
0.8010	89.38	68.55	74.12	88.66
0.9154	89.30	68.56	74.14	88.65
1.0299	89.37	68.53	74.14	88.68
1.1443	89.38	68.52	74.18	88.61
1.2587	89.36	68.57	74.15	88.64
1.3731	89.40	68.54	74.16	88.64
1.4876	89.40	68.58	74.13	88.62
1.6020	89.42	68.58	74.14	88.64
1.7164	89.38	68.59	74.11	88.64
1.8308	89.40	68.61	74.10	88.66
1.9453	89.41	68.58	74.20	88.65
2.0597	89.42	68.58	74.16	88.65
2.1741	89.37	68.54	74.16	88.66
2.2886	89.38	68.48	74.14	88.65
2.4030	89.37	68.62	74.22	88.64
2.5174	89.39	68.52	74.18	88.65
2.6318	89.41	68.48	74.19	88.64
2.7463	89.42	68.59	74.15	88.64
2.8607	89.41	68.58	74.18	88.66
2.9751	89.41	68.56	74.17	88.67
3.0896	89.41	68.57	74.19	88.66
3.2040	89.42	68.66	74.16	88.73
3.3184	89.41	68.59	74.16	88.59
3.4328	89.45	68.58	74.19	88.64
3.5473	89.30	68.65	74.22	88.65
3.6617	89.34	68.60	74.18	88.65
3.7761	89.45	68.56	74.20	88.61
3.8905	89.38	68.57	74.18	88.61
4.0050	89.37	68.61	74.17	88.69
4.1194	89.40	68.58	74.18	88.66
4.2338	89.42	68.55	74.15	88.66
4.3483	89.41	68.61	74.13	88.68
4.4627	89.41	68.59	74.19	88.66
4.5771	89.43	68.58	74.18	88.66
4.6915	89.40	68.58	74.18	88.65
4.8060	89.39	68.58	74.19	88.65
4.9204	89.40	68.55	74.22	88.65
5.0348	89.40	68.54	74.20	88.64
5.1493	89.39	68.55	74.20	88.66
5.2637	89.40	68.58	74.21	88.64

5.3781	89.40	68.53	74.21	88.65
5.4925	89.40	68.57	74.19	88.64
5.6070	89.40	68.59	74.19	88.66
5.7214	89.41	68.59	74.17	88.66
5.8358	89.42	68.60	74.20	88.67
5.9503	89.39	68.60	74.19	88.68
6.0647	89.39	68.61	74.18	88.67
6.1791	89.41	68.62	74.20	88.66
6.2935	89.40	68.64	74.19	88.63
6.4080	89.40	68.62	74.21	88.66
6.5224	89.39	68.63	74.19	88.65
6.6368	89.41	68.63	74.22	88.67
6.7512	89.40	68.62	74.20	88.64
6.8657	89.41	68.60	74.22	88.66
6.9801	89.38	68.61	74.20	88.64
7.0945	89.38	68.60	74.25	88.63
7.2090	89.38	68.61	74.20	88.63
7.3234	89.37	68.60	74.20	88.64
7.4378	89.37	68.61	74.22	88.65
7.5522	89.39	68.60	74.20	88.64
7.6667	89.40	68.64	74.19	88.65
7.7811	89.40	68.61	74.22	88.66
7.8955	89.41	68.60	74.21	88.65
8.0100	89.41	68.63	74.22	88.67
8.1244	89.40	68.62	74.22	88.64
8.2388	89.40	68.60	74.25	88.64
8.3532	89.37	68.62	74.25	88.65
8.4677	89.36	68.63	74.25	88.64
8.5821	89.39	68.62	74.25	88.64
8.6965	89.39	68.62	74.24	88.64
8.8110	89.39	68.63	74.25	88.65
8.9254	89.40	68.64	74.24	88.66
9.0398	89.40	68.62	74.23	88.66
9.1542	89.41	68.68	74.23	88.66
9.2687	89.41	68.64	74.24	88.66
9.3831	89.42	68.59	74.24	88.65
9.4975	89.42	68.68	74.24	88.68
9.6119	89.41	68.66	74.24	88.69
9.7264	89.41	68.58	74.24	88.67
9.8408	89.42	68.64	74.20	88.67
9.9552	89.42	68.66	74.27	88.66
10.0697	89.40	68.63	74.21	88.68
10.1841	89.41	68.62	74.20	88.67
10.2985	89.42	68.66	74.26	88.66
10.4129	89.41	68.64	74.20	88.66
10.5274	89.41	68.62	74.23	88.66
10.6418	89.42	68.65	74.24	88.68
10.7562	89.41	68.64	74.22	88.67
10.8707	89.38	68.62	74.24	88.68
10.9851	89.41	68.63	74.23	88.65
11.0995	89.41	68.64	74.26	88.64
11.2139	89.41	68.64	74.21	88.66
11.3284	89.40	68.64	74.23	88.67
11.4428	89.39	68.64	74.25	88.66
11.5572	89.40	68.63	74.24	88.66
11.6716	89.41	68.64	74.22	88.66
11.7861	89.42	68.64	74.23	88.66
11.9005	89.41	68.63	74.25	88.67
12.0149	89.41	68.63	74.24	88.67
12.1294	89.42	68.62	74.23	88.68
12.2438	89.42	68.63	74.24	88.67

12.3582	89.42	68.63	74.24	88.68
12.4726	89.43	68.62	74.24	88.68
12.5871	89.40	68.62	74.24	88.67
12.7015	89.42	68.63	74.24	88.68
12.8159	89.41	68.63	74.23	88.66
12.9304	89.41	68.62	74.25	88.66
13.0448	89.41	68.62	74.25	88.66
13.1592	89.41	68.62	74.25	88.66
13.2736	89.42	68.62	74.24	88.67
13.3881	89.41	68.62	74.26	88.67
13.5025	89.41	68.61	74.25	88.68
13.6169	89.41	68.62	74.24	88.67
13.7314	89.42	68.64	74.24	88.66
13.8458	89.41	68.62	74.22	88.67
13.9602	89.41	68.62	74.25	88.67
14.0746	89.42	68.64	74.23	88.67
14.1891	89.43	68.61	74.24	88.67
14.3035	89.42	68.62	74.25	88.67
14.4179	89.42	68.63	74.24	88.68
14.5323	89.40	68.61	74.26	88.68
14.6468	89.41	68.61	74.24	88.67
14.7612	89.42	68.63	74.25	88.67
14.8756	89.41	68.63	74.25	88.67
14.9901	89.43	68.62	74.23	88.67
15.1045	89.42	68.63	74.24	88.68
15.2189	89.42	68.64	74.22	88.68
15.3333	89.43	68.63	74.25	88.68
15.4478	89.42	68.62	74.24	88.68
15.5622	89.42	68.63	74.24	88.68
15.6766	89.43	68.63	74.25	88.68
15.7911	89.42	68.62	74.25	88.68
15.9055	89.42	68.63	74.26	88.68
16.0199	89.42	68.64	74.26	88.68
16.1343	89.42	68.63	74.25	88.68
16.2488	89.43	68.63	74.27	88.68
16.3632	89.42	68.64	74.25	88.68
16.4776	89.43	68.62	74.26	88.67
16.5920	89.42	68.64	74.25	88.67
16.7065	89.42	68.62	74.25	88.68
16.8209	89.42	68.62	74.25	88.67
16.9353	89.42	68.63	74.25	88.68
17.0498	89.42	68.61	74.26	88.68
17.1642	89.42	68.63	74.26	88.68
17.2786	89.43	68.63	74.25	88.67
17.3930	89.43	68.63	74.26	88.68
17.5075	89.42	68.63	74.25	88.68
17.6219	89.42	68.63	74.25	88.68
17.7363	89.42	68.64	74.25	88.68
17.8508	89.42	68.63	74.25	88.68
17.9652	89.42	68.63	74.25	88.68
18.0796	89.42	68.63	74.25	88.68
18.1940	89.42	68.63	74.25	88.68
18.3085	89.42	68.64	74.25	88.68
18.4229	89.42	68.63	74.25	88.68
18.5373	89.42	68.63	74.25	88.68
18.6518	89.42	68.63	74.26	88.67
18.7662	89.43	68.63	74.25	88.68
18.8806	89.42	68.64	74.25	88.68
18.9950	89.42	68.63	74.26	88.67
19.1095	89.42	68.63	74.26	88.67
19.2239	89.42	68.63	74.26	88.67

19.3383	89.42	68.64	74.26	88.68
19.4527	89.42	68.64	74.25	88.68
19.5672	89.42	68.64	74.26	88.68
19.6816	89.43	68.64	74.25	88.68
19.7960	89.42	68.64	74.25	88.68
19.9105	89.43	68.64	74.24	88.68
20.0249	89.42	68.64	74.25	88.68
20.1393	89.43	68.63	74.25	88.68
20.2537	89.43	68.64	74.25	88.68
20.3682	89.42	68.63	74.24	88.68
20.4826	88.00	68.64	74.26	88.68
20.5970	86.64	68.64	74.25	88.68
20.7115	84.33	68.63	74.25	87.41
20.8259	82.58	68.64	74.25	85.92
20.9403	79.91	68.64	74.26	83.51
21.0547	78.76	68.63	74.25	81.46
21.1692	77.12	68.65	74.25	78.79
21.2836	76.21	68.63	74.25	77.38
21.3980	74.38	68.64	74.25	75.86
21.5124	72.72	68.65	74.25	75.02
21.6269	70.26	68.63	74.25	73.48
21.7413	68.46	68.64	74.25	71.85
21.8557	66.53	68.64	74.25	69.43
21.9702	64.85	68.63	74.26	67.43
22.0846	63.45	68.64	74.25	65.44
22.1990	62.34	68.63	74.25	63.73
22.3134	61.56	68.64	74.25	62.36
22.4279	60.89	68.64	74.25	61.31
22.5423	59.86	68.63	74.25	60.61
22.6567	58.86	68.64	74.25	60.07
22.7712	58.09	68.64	74.25	59.19
22.8856	57.42	68.64	74.25	58.21
23.0000	57.26	68.64	74.25	57.54
23.1144	58.70	68.64	74.25	57.05
23.2289	60.38	68.64	74.25	57.22
23.3433	60.85	68.64	74.25	58.67
23.4577	60.40	68.64	74.25	60.64
23.5722	60.20	68.64	74.26	61.22
23.6866	59.57	68.64	74.25	60.72
23.8010	58.76	68.64	74.25	59.93
23.9154	58.49	68.64	74.25	59.15
24.0299	58.79	68.64	74.25	58.39
24.1443	58.71	68.64	74.25	58.43
24.2587	58.71	68.64	74.25	58.84
24.3731	59.01	68.64	74.25	58.94
24.4876	59.44	68.63	74.25	58.77
24.6020	59.83	68.64	74.25	58.80
24.7164	60.27	68.64	74.25	59.00
24.8309	60.19	68.64	74.25	59.38
24.9453	59.61	68.64	74.25	59.89
25.0597	59.07	68.64	74.25	59.97
25.1741	58.72	68.64	74.25	59.49
25.2886	58.35	68.64	74.25	58.92
25.4030	58.38	68.63	74.25	58.41
25.5174	58.81	68.64	74.25	57.83
25.6319	58.86	68.64	74.25	57.43
25.7463	58.38	68.64	74.25	57.47
25.8607	57.99	68.64	74.25	57.57
25.9751	57.94	68.64	74.25	57.68
26.0896	58.04	68.19	74.25	57.90
26.2040	58.39	67.65	74.25	58.24

26.3184	58.57	66.54	74.25	58.10
26.4329	58.11	65.18	74.25	57.81
26.5473	57.10	63.20	74.25	57.11
26.6617	56.28	61.20	74.25	56.11
26.7761	55.63	59.05	73.71	54.80
26.8906	55.23	57.09	73.06	53.97
27.0050	54.96	55.02	71.75	53.38
27.1194	54.67	53.02	70.20	53.08
27.2338	53.95	50.97	67.89	52.88
27.3483	53.25	48.83	65.65	52.69
27.4627	52.69	46.50	63.19	52.17
27.5771	52.21	44.07	61.01	51.58
27.6916	51.62	41.73	58.58	50.96
27.8060	50.86	39.52	56.23	50.24
27.9204	49.71	37.70	53.73	49.45
28.0348	48.11	36.09	51.19	48.34
28.1493	46.68	34.77	48.32	47.23
28.2637	45.47	33.57	45.30	45.82
28.3781	44.67	32.43	42.36	44.62
28.4926	43.99	31.48	39.61	43.40
28.6070	43.41	30.77	37.26	42.69
28.7214	42.38	30.65	35.20	41.95
28.8358	40.99	31.06	33.43	41.57
28.9503	39.53	31.37	31.93	41.09
29.0647	38.48	31.73	30.45	40.47
29.1791	38.09	32.15	29.21	39.35
29.2935	37.92	32.51	28.21	38.33
29.4080	37.79	32.22	28.10	37.62
29.5224	37.20	32.08	28.60	37.04
29.6368	36.81	32.01	29.13	36.72
29.7513	36.30	31.84	29.40	36.15
29.8657	35.98	31.42	29.94	35.96
29.9801	35.39	31.42	30.24	35.52
30.0945	35.04	31.64	29.87	35.29
30.2090	34.64	31.93	29.33	34.80
30.3234	34.58	32.28	29.13	34.78
30.4378	35.09	32.77	28.82	34.70
30.5523	36.13	33.07	28.40	35.19
30.6667	36.99	33.15	28.39	36.02
30.7811	37.22	33.04	28.84	37.06
30.8955	37.05	32.72	29.40	37.33
31.0100	36.62	32.35	29.85	36.93
31.1244	36.17	32.19	30.35	36.30
31.2388	35.96	32.11	30.52	35.73
31.3533	36.19	32.12	30.65	35.60
31.4677	36.53	32.23	30.46	35.96
31.5821	36.80	32.47	30.28	36.54
31.6965	36.89	32.45	30.00	36.57
31.8110	36.62	32.33	30.13	36.27
31.9254	35.91	32.24	30.09	35.82
32.0398	35.42	32.12	30.00	35.38
32.1542	35.44	31.87	29.89	34.81
32.2687	35.85	31.74	30.17	34.71
32.3831	35.96	31.84	30.29	34.83
32.4975	35.95	32.09	30.41	35.09
32.6120	35.58	32.38	30.57	34.98
32.7264	35.12	32.81	30.66	34.78
32.8408	34.51	33.25	30.41	34.29
32.9552	34.24	33.60	30.02	33.64
33.0697	33.89	33.86	29.62	32.93
33.1841	33.31	33.99	29.34	32.43

33.2985	32.48	34.04	29.00	32.11
33.4130	31.89	34.00	28.81	31.75
33.5274	31.59	33.90	28.47	31.46
33.6418	31.54	33.59	28.11	31.02
33.7562	31.46	33.20	27.61	30.59
33.8707	30.82	32.79	27.15	30.16
33.9851	29.64	32.31	26.50	29.66
34.0995	28.24	31.76	26.04	28.62
34.2139	27.03	31.25	25.58	27.54
34.3284	25.97	30.62	25.16	26.45
34.4428	25.27	29.78	24.57	25.45
34.5572	24.59	28.74	24.37	24.48
34.6717	23.64	27.61	24.11	23.67
34.7861	22.32	26.46	23.96	22.62
34.9005	21.08	25.46	23.63	21.43
35.0149	20.04	24.57	23.34	20.28
35.1294	19.19	23.77	22.82	19.38
35.2438	18.55	23.15	22.21	18.76
35.3582	17.91	22.79	21.59	18.12
35.4727	17.16	22.52	21.21	17.44
35.5871	16.26	22.18	21.08	16.65
35.7015	15.80	21.78	20.97	15.82
35.8159	15.31	21.40	20.93	15.07
35.9304	14.76	20.99	20.76	14.87
36.0448	14.29	20.75	20.76	14.66
36.1592	14.01	20.84	20.71	14.25
36.2737	13.79	21.10	20.76	13.97
36.3881	13.56	21.34	20.52	13.96
36.5025	13.67	21.56	20.33	14.08
36.6169	14.16	21.75	19.87	14.24
36.7314	14.48	21.87	19.49	14.46
36.8458	14.54	21.92	19.08	14.61
36.9602	14.60	21.98	19.15	14.43
37.0746	14.57	22.00	19.34	14.18
37.1891	14.26	22.01	19.61	14.19
37.3035	14.23	22.01	19.75	14.43
37.4179	14.51	21.98	20.08	14.64
37.5324	14.87	21.94	20.22	14.80
37.6468	15.11	21.88	20.26	14.88
37.7612	15.34	21.83	20.21	14.86
37.8756	15.32	21.87	20.37	14.94
37.9901	15.13	22.00	20.36	15.14
38.1045	15.21	22.18	20.39	15.35
38.2189	15.38	22.26	20.29	15.40
38.3334	15.56	22.31	20.21	15.49
38.4478	15.67	22.23	19.90	15.55
38.5622	15.94	22.20	19.90	15.60
38.6766	15.92	22.09	19.88	15.82
38.7911	15.94	22.07	20.05	16.09
38.9055	16.15	21.90	19.92	16.06
39.0199	16.43	21.77	19.89	15.76
39.1344	16.37	21.62	19.53	15.53
39.2488	16.11	21.59	19.28	15.47
39.3632	15.73	21.57	18.96	15.51
39.4776	15.45	21.48	18.78	15.57
39.5921	15.38	21.22	18.32	15.55
39.7065	15.57	20.72	17.81	15.42
39.8209	15.72	20.12	17.23	15.14
39.9353	15.49	19.48	16.81	14.80
40.0498	15.01	18.92	16.60	14.45
40.1642	14.45	18.36	16.61	14.04

40.2786	13.94	17.77	16.58	13.54
40.3931	13.51	17.09	16.30	13.06
40.5075	13.13	16.35	15.92	12.66
40.6219	12.68	15.66	15.48	12.24
40.7363	12.10	15.07	15.08	11.71
40.8508	11.64	14.53	14.74	11.24
40.9652	11.09	14.02	14.54	10.80
41.0796	10.67	13.51	14.21	10.56
41.1941	10.29	13.03	13.84	10.32
41.3085	10.05	12.69	13.50	10.09
41.4229	9.53	12.43	13.21	9.67
41.5373	9.14	12.28	12.91	9.34
41.6518	8.84	12.11	12.69	8.78
41.7662	8.64	11.94	12.51	8.34
41.8806	8.22	11.80	12.21	8.07
41.9950	7.95	11.64	11.99	7.90
42.1095	7.95	11.68	11.74	7.47
42.2239	7.82	11.83	11.52	7.15
42.3383	7.54	11.87	11.22	7.19
42.4528	7.37	11.83	11.15	7.44
42.5672	7.36	11.91	11.23	7.66
42.6816	7.17	12.03	11.19	7.81
42.7960	7.24	11.89	11.28	7.78
42.9105	7.37	11.79	11.38	7.27
43.0249	7.51	11.84	11.59	6.83
43.1393	7.30	12.00	11.64	6.75
43.2538	7.08	12.03	12.05	7.09
43.3682	7.02	12.13	12.20	7.20
43.4826	7.22	12.21	12.02	7.20
43.5970	7.44	12.21	11.46	7.17
43.7115	7.58	12.16	11.47	7.29
43.8259	7.75	12.16	11.67	7.50
43.9403	7.98	12.32	12.04	7.85
44.0548	8.28	12.47	12.32	8.17
44.1692	8.44	12.67	12.53	8.44
44.2836	8.67	12.52	12.32	8.55
44.3980	8.84	12.44	12.05	8.59
44.5125	8.98	12.36	11.85	8.69
44.6269	9.08	12.57	12.04	8.86
44.7413	9.43	12.65	12.23	9.08
44.8557	9.88	12.77	12.55	9.31
44.9702	10.23	12.63	12.58	9.66
45.0846	10.46	12.41	12.58	10.14
45.1990	10.63	12.09	12.53	10.51
45.3135	10.75	12.19	12.63	10.74
45.4279	10.74	12.43	12.62	10.77
45.5423	10.68	12.68	12.64	10.60
45.6567	10.51	12.66	12.67	10.37
45.7712	10.35	12.57	12.60	10.22
45.8856	10.32	12.36	12.35	10.10
46.0000	10.41	12.14	12.29	9.96
46.1145	10.44	12.01	12.45	9.90
46.2289	10.36	11.94	12.58	9.80
46.3433	10.24	11.83	12.46	9.67
46.4577	10.10	11.78	12.26	9.63
46.5722	9.89	11.72	12.03	9.67
46.6866	9.74	11.68	11.69	9.70
46.8010	9.67	11.73	11.47	9.60
46.9154	9.58	11.80	11.33	9.49
47.0299	9.39	11.66	11.25	9.28
47.1443	9.23	11.41	11.11	9.02

47.2587	9.05	11.29	11.03	8.68
47.3732	8.77	11.34	10.76	8.41
47.4876	8.44	11.42	10.65	8.14
47.6020	8.22	11.50	10.73	7.96
47.7164	8.07	11.57	10.57	7.87
47.8309	7.97	11.33	10.41	7.83
47.9453	7.93	11.10	9.96	7.82
48.0597	7.83	10.96	9.60	7.75
48.1742	7.59	10.78	8.63	7.67
48.2886	7.34	10.62	8.30	7.44
48.4030	7.12	10.62	8.04	7.13
48.5174	6.89	10.71	7.63	6.80
48.6319	6.65	10.57	6.95	6.54
48.7463	6.51	10.04	6.85	6.30
48.8607	6.42	9.88	6.61	6.18
48.9752	6.29	9.52	6.22	6.07
49.0896	6.36	9.20	5.97	6.01
49.2040	6.56	8.96	6.06	6.07
49.3184	6.75	8.79	5.89	6.31
49.4329	6.78	8.44	5.89	6.61
49.5473	6.90	8.52	6.07	6.88
49.6617	6.95	8.42	6.42	7.15
49.7761	7.03	8.41	6.26	7.30
49.8906	7.19	8.52	6.49	7.31
50.0050	7.46	8.87	6.83	7.31
50.1194	7.58	8.67	7.21	7.36
50.2339	7.72	8.84	7.15	7.45
50.3483	7.89	9.20	7.51	7.66
50.4627	8.07	9.39	7.85	7.97
50.5771	8.12	9.30	8.15	8.24
50.6916	8.40	9.91	8.14	8.38
50.8060	8.66	10.43	8.53	8.40
50.9204	8.73	10.72	8.72	8.59
51.0349	8.75	10.95	9.05	8.72
51.1493	8.86	11.32	9.20	8.67
51.2637	8.89	11.36	9.72	8.61
51.3781	8.82	11.18	9.91	8.71
51.4926	8.97	11.36	10.45	8.68
51.6070	9.07	11.27	10.81	8.58
51.7214	8.99	11.59	11.24	8.55
51.8358	8.85	11.59	11.26	8.55
51.9503	8.92	11.71	11.57	8.48
52.0647	9.00	11.45	11.08	8.56
52.1791	9.02	11.31	11.10	8.74
52.2936	9.14	11.28	11.39	8.98
52.4080	9.27	11.22	11.38	9.06
52.5224	9.33	11.07	11.53	9.14
52.6368	9.31	11.00	11.34	9.14
52.7513	9.30	10.94	11.07	9.17
52.8657	9.23	10.92	11.04	9.19
52.9801	9.22	10.79	10.70	9.21
53.0946	9.30	10.85	10.56	9.13
53.2090	9.37	10.62	10.29	9.03
53.3234	9.31	10.27	10.13	9.06
53.4378	9.33	9.98	9.54	8.98
53.5523	9.35	9.73	9.34	8.96
53.6667	9.19	9.28	8.93	8.98
53.7811	9.10	8.86	8.77	9.21
53.8956	9.25	8.48	8.54	9.06
54.0100	9.49	8.08	8.65	9.09
54.1244	9.39	7.78	8.35	9.19

54.2388	9.40	7.63	8.44	9.18
54.3533	9.50	7.21	8.54	9.02
54.4677	9.28	6.81	8.63	8.99
54.5821	8.98	6.77	8.29	8.92
54.6965	8.95	6.69	8.47	8.56
54.8110	8.83	6.56	8.53	8.26
54.9254	8.34	6.53	8.43	8.37
55.0398	7.93	6.75	8.07	8.28
55.1543	7.94	6.92	8.12	7.94
55.2687	7.89	6.94	7.92	7.62
55.3831	7.67	6.97	7.64	7.60
55.4975	7.38	7.14	7.31	7.49
55.6120	7.23	7.23	7.29	7.29
55.7264	7.03	7.24	6.94	7.03
55.8408	6.89	7.48	6.81	6.89
55.9553	6.85	7.87	6.67	6.77
56.0697	6.87	7.88	6.77	6.68
56.1841	6.96	7.90	6.60	6.65
56.2985	7.09	8.18	6.65	6.70
56.4130	7.11	8.41	6.78	6.90
56.5274	7.16	8.22	6.84	7.07
56.6418	7.37	8.21	6.81	7.19
56.7563	7.55	8.32	7.27	7.43
56.8707	7.58	8.20	7.51	7.74
56.9851	7.80	8.06	7.62	7.77
57.0995	8.13	8.20	7.78	7.87
57.2140	8.28	8.23	8.39	7.96
57.3284	8.34	8.16	8.45	8.06
57.4428	8.50	8.42	8.61	7.99
57.5572	8.71	8.65	8.83	8.06
57.6717	8.72	8.73	9.09	8.32
57.7861	8.81	8.60	9.25	8.41
57.9005	9.04	8.81	9.52	8.39
58.0150	9.03	8.85	9.45	8.64
58.1294	9.04	8.86	9.53	9.03
58.2438	9.38	8.86	9.48	9.19
58.3582	9.74	9.08	9.53	9.33
58.4727	9.92	9.08	9.39	9.68
58.5871	10.05	9.09	9.38	9.99
58.7015	10.05	9.23	9.28	10.12
58.8160	9.83	9.24	9.41	10.08
58.9304	9.76	9.06	9.32	9.86
59.0448	10.05	9.22	9.52	9.51
59.1592	10.16	9.42	9.47	9.31
59.2737	9.97	9.56	9.63	9.46
59.3881	9.83	9.68	9.68	9.55
59.5025	9.70	9.94	10.04	9.42
59.6169	9.61	10.17	10.03	9.33
59.7314	9.51	10.52	10.22	9.26
59.8458	9.45	10.77	10.24	9.10
59.9602	9.19	10.85	10.45	8.97
60.0747	8.90	11.03	10.24	8.79
60.1891	8.65	11.35	10.16	8.55
60.3035	8.41	11.34	9.97	8.26
60.4179	8.25	10.88	9.95	7.97
60.5324	8.27	10.91	9.70	7.82
60.6468	8.12	10.74	9.80	7.75
60.7612	7.86	10.69	9.76	7.87
60.8757	7.63	10.43	9.97	7.67
60.9901	7.71	10.10	9.87	7.38
61.1045	7.64	9.40	10.12	7.20

61.2189	7.51	9.20	10.05	7.35
61.3334	7.59	8.66	10.14	7.57
61.4478	7.66	8.25	9.93	7.64
61.5622	7.65	7.69	10.01	7.50
61.6767	7.50	7.30	9.86	7.24
61.7911	7.49	6.75	9.71	7.06
61.9055	7.32	6.66	9.31	7.09
62.0199	7.18	6.25	9.47	7.32
62.1344	7.32	5.99	9.33	7.30
62.2488	7.44	5.80	9.09	7.19
62.3632	7.28	6.07	8.86	7.17
62.4776	7.12	5.83	9.20	7.14
62.5921	7.10	5.87	9.16	7.03
62.7065	6.99	5.95	9.18	7.04
62.8209	6.91	6.23	9.01	7.03
62.9354	7.00	6.11	9.20	6.87
63.0498	7.05	6.64	9.13	6.68
63.1642	6.81	6.97	9.34	6.78
63.2786	6.85	7.24	9.17	7.09
63.3931	7.08	7.42	9.21	7.20
63.5075	7.35	7.94	9.46	7.21
63.6219	7.58	8.25	9.67	7.18
63.7364	7.83	8.78	9.51	7.14
63.8508	8.02	9.02	9.77	7.35
63.9652	8.10	9.40	9.74	7.81
64.0796	8.30	9.88	9.80	8.41
64.1941	8.53	10.35	9.72	8.66
64.3085	8.81	10.44	9.79	8.85
64.4229	8.98	10.62	9.83	8.81
64.5373	9.13	10.80	9.89	8.84
64.6518	9.19	11.24	9.69	8.83
64.7662	9.21	11.18	10.03	8.92
64.8806	9.17	11.19	10.09	8.88
64.9951	9.09	11.25	10.01	8.82
65.1095	8.93	11.09	9.98	8.80
65.2239	8.99	11.15	10.40	8.84
65.3383	9.15	11.12	10.41	8.98
65.4528	9.32	11.02	10.45	9.09
65.5672	9.45	10.78	10.42	9.22
65.6816	9.54	10.71	10.54	9.29
65.7961	9.51	10.56	10.45	9.35
65.9105	9.41	10.27	10.40	9.28
66.0249	9.50	9.82	10.18	9.16
66.1393	9.63	9.77	10.10	9.00
66.2538	9.65	9.48	9.94	9.03
66.3682	9.58	9.08	9.87	9.07
66.4826	9.61	8.87	9.53	9.25
66.5971	9.71	8.88	9.30	9.42
66.7115	9.76	8.50	9.01	9.46
66.8259	9.75	8.34	8.79	9.44
66.9403	9.62	8.42	8.29	9.43
67.0548	9.39	8.51	7.91	9.20
67.1692	9.09	8.65	7.48	8.97
67.2836	8.76	8.72	7.45	8.80
67.3980	8.62	9.02	7.11	8.68
67.5125	8.57	9.35	6.82	8.32
67.6269	8.46	9.45	6.54	8.09
67.7413	8.16	9.46	6.79	7.83
67.8558	7.88	9.52	6.64	7.52
67.9702	7.85	9.61	6.52	7.06
68.0846	7.73	9.40	6.52	7.01

68.1990	7.54	9.11	6.71	7.21
68.3135	7.43	9.05	6.57	7.50
68.4279	7.48	8.85	6.72	7.64
68.5423	7.49	8.45	6.60	7.51
68.6568	7.33	8.24	6.67	7.26
68.7712	7.20	8.24	6.61	7.06
68.8856	7.14	8.06	6.82	7.00
69.0000	7.06	7.75	6.68	7.13
69.1145	7.00	7.73	7.00	7.21
69.2289	7.19	7.77	7.00	7.11
69.3433	7.28	7.55	6.93	7.08
69.4578	7.36	7.43	6.87	7.23
69.5722	7.52	7.57	7.09	7.44
69.6866	7.65	7.83	6.75	7.62
69.8010	7.77	7.76	6.69	7.83
69.9155	7.89	7.81	6.76	7.94
70.0299	8.22	8.22	7.13	8.01
70.1443	8.41	8.31	7.14	8.19
70.2587	8.48	8.37	7.34	8.58
70.3732	8.63	8.46	7.67	8.74
70.4876	8.81	8.81	8.19	8.76
70.6020	8.88	8.83	8.06	8.65
70.7165	8.98	8.83	8.36	8.49
70.8309	9.08	8.89	8.71	8.55
70.9453	9.20	8.96	8.98	8.92
71.0597	9.36	8.87	8.90	9.12
71.1742	9.46	8.82	9.40	9.28
71.2886	9.49	8.84	9.45	9.36
71.4030	9.46	8.99	9.49	9.23
71.5175	9.55	8.96	9.48	9.13
71.6319	9.53	9.02	9.69	9.16
71.7463	9.46	9.34	9.46	9.33
71.8607	9.56	9.57	9.57	9.23
71.9752	9.71	9.46	9.86	9.10
72.0896	9.60	9.88	10.22	9.13
72.2040	9.34	10.31	10.06	9.29
72.3184	9.31	10.47	10.33	9.23
72.4329	9.28	10.58	10.50	9.00
72.5473	9.21	11.04	10.63	8.89
72.6617	9.30	11.09	10.46	8.86
72.7762	9.31	11.13	10.47	9.01
72.8906	9.15	11.00	10.51	9.29
73.0050	9.02	10.79	10.82	9.49
73.1194	9.10	10.81	10.83	9.26
73.2339	9.11	10.52	10.95	9.10
73.3483	8.92	10.16	11.08	8.97
73.4627	8.83	9.87	11.24	8.75
73.5772	8.82	10.01	11.00	8.38
73.6916	8.65	9.84	10.83	8.36
73.8060	8.53	9.73	10.53	8.44
73.9204	8.63	9.82	10.30	8.27
74.0349	8.72	9.92	9.81	8.23
74.1493	8.44	9.86	9.36	8.27
74.2637	8.12	9.71	8.85	8.23
74.3782	7.99	9.63	8.66	7.84
74.4926	7.89	9.59	8.12	7.56
74.6070	7.72	9.39	7.73	7.48
74.7214	7.59	9.26	7.59	7.33
74.8359	7.43	8.99	7.66	7.15
74.9503	7.25	8.81	7.18	6.98
75.0647	7.05	8.75	6.98	6.69

75.1791	6.92	8.63	6.99	6.45
75.2936	6.78	8.33	6.92	6.43
75.4080	6.71	8.45	6.62	6.61
75.5224	6.67	8.40	6.63	6.84
75.6369	6.75	8.56	6.55	6.98
75.7513	6.96	8.29	6.77	6.97
75.8657	7.17	8.27	7.00	6.89
75.9801	7.25	8.43	7.22	7.00
76.0946	7.16	8.46	7.31	7.20
76.2090	7.16	8.38	7.69	7.23
76.3234	7.19	8.47	7.91	7.06
76.4379	7.14	8.60	8.06	6.88
76.5523	7.07	8.73	8.15	6.93
76.6667	7.21	8.60	8.46	6.91
76.7811	7.33	8.59	8.87	7.06
76.8956	7.48	8.96	9.29	7.16
77.0100	7.80	9.19	9.26	7.30
77.1244	8.03	9.17	9.67	7.54
77.2388	8.00	9.50	10.10	7.87
77.3533	8.04	9.84	10.46	8.10
77.4677	8.21	10.01	10.27	8.27
77.5821	8.44	10.01	10.45	8.30
77.6966	8.60	10.27	10.71	8.31
77.8110	8.85	10.49	10.95	8.26
77.9254	9.13	10.45	10.62	8.47
78.0398	9.14	10.50	10.55	8.86
78.1543	9.15	10.70	10.42	9.19
78.2687	9.47	10.49	10.49	9.30
78.3831	9.66	10.12	10.33	9.37
78.4976	9.74	10.28	10.10	9.53
78.6120	9.78	10.19	9.83	9.71
78.7264	9.78	9.93	9.97	9.80
78.8408	9.85	9.85	9.81	9.71
78.9553	9.98	9.85	9.57	9.43
79.0697	10.03	9.79	9.21	9.25
79.1841	9.84	9.47	9.08	9.26
79.2986	9.57	9.31	8.82	9.29
79.4130	9.46	9.16	8.70	9.21
79.5274	9.34	8.99	8.54	9.00
79.6418	9.24	8.68	8.62	8.95
79.7563	9.32	8.60	8.63	8.79
79.8707	9.37	8.43	8.93	8.90
79.9851	9.22	8.01	9.18	9.07
80.0995	9.24	7.69	9.48	9.22
80.2140	9.32	7.92	9.52	9.11
80.3284	9.24	7.76	9.85	8.97
80.4428	8.98	7.47	10.11	8.75
80.5573	8.90	7.45	10.33	8.58
80.6717	8.75	7.63	10.12	8.48
80.7861	8.61	7.44	10.39	8.49
80.9005	8.59	7.05	10.29	8.45
81.0150	8.59	6.99	10.06	8.38
81.1294	8.25	7.01	9.72	8.27
81.2438	8.00	6.65	9.63	8.10
81.3583	7.89	6.66	9.41	7.89
81.4727	7.89	6.50	9.26	7.80
81.5871	7.74	6.60	8.90	7.65
81.7015	7.56	6.33	8.75	7.59
81.8160	7.35	6.29	8.53	7.49
81.9304	7.06	6.53	8.32	7.44
82.0448	7.07	6.64	8.09	7.15

82.1593	7.20	6.34	8.05	6.76
82.2737	7.20	6.38	7.87	6.60
82.3881	6.99	6.55	7.97	6.59
82.5025	6.95	6.61	8.15	6.69
82.6170	6.96	6.45	8.22	6.77
82.7314	7.08	6.52	8.00	7.01
82.8458	7.17	6.94	8.13	7.19
82.9602	7.44	7.28	8.19	7.42
83.0747	7.61	7.29	8.11	7.64
83.1891	7.77	7.43	7.82	7.77
83.3035	7.99	7.67	7.90	7.71
83.4180	8.11	7.75	7.80	7.80
83.5324	8.17	7.78	7.87	7.98
83.6468	8.51	8.18	7.74	8.24
83.7612	8.79	8.48	7.88	8.43
83.8757	8.97	8.56	7.78	8.70
83.9901	9.24	8.77	7.85	8.88
84.1045	9.52	9.33	7.91	8.90
84.2190	9.48	9.36	8.24	9.28
84.3334	9.37	9.23	8.31	9.53
84.4478	9.48	9.62	8.62	9.50
84.5622	9.66	9.91	8.90	9.27
84.6767	9.63	9.93	9.45	9.25
84.7911	9.48	10.00	9.81	9.32
84.9055	9.41	10.36	9.99	9.29
85.0199	9.35	10.56	10.24	9.29
85.1344	9.28	10.55	10.78	9.25
85.2488	9.41	10.75	11.19	9.17
85.3632	9.51	11.04	11.33	8.88
85.4777	9.49	11.19	11.20	8.84
85.5921	9.17	10.98	11.38	8.92
85.7065	8.93	11.08	10.90	8.97
85.8209	8.80	11.31	10.68	8.81
85.9354	8.80	11.25	10.33	8.59
86.0498	8.88	11.06	10.43	8.35
86.1642	8.80	11.14	10.02	8.42
86.2787	8.67	11.32	9.63	8.64
86.3931	8.53	11.14	9.34	8.64
86.5075	8.40	10.94	9.24	8.45
86.6219	8.24	10.82	8.91	8.26
86.7364	8.22	10.86	8.82	8.02
86.8508	8.30	10.67	8.66	7.77
86.9652	8.34	10.57	8.54	7.74
87.0797	8.16	10.37	8.43	7.82
87.1941	8.15	10.22	8.73	7.75
87.3085	8.20	10.10	8.71	7.81
87.4229	8.11	9.79	8.57	7.87
87.5374	8.10	9.61	8.49	7.93
87.6518	8.09	9.27	8.71	7.77
87.7662	7.97	8.85	8.66	7.60
87.8806	7.72	8.55	8.40	7.47
87.9951	7.58	8.42	8.12	7.26
88.1095	7.53	8.02	8.23	7.24
88.2239	7.42	7.77	8.15	7.38
88.3384	7.35	7.76	7.99	7.48
88.4528	7.37	7.74	7.93	7.18
88.5672	7.27	7.64	7.96	6.98
88.6816	7.04	7.64	7.84	6.90
88.7961	7.03	7.83	7.82	6.92
88.9105	7.12	7.83	7.80	7.17
89.0249	7.15	7.70	7.84	7.46

89.1394	7.25	7.86	7.62	7.41
89.2538	7.39	8.27	7.61	7.22
89.3682	7.34	8.28	7.65	7.02
89.4826	7.37	8.26	7.91	7.07
89.5971	7.41	8.73	7.89	7.22
89.7115	7.48	9.32	8.10	7.46
89.8259	7.58	9.22	8.42	7.70
89.9403	7.75	9.03	8.92	7.78
90.0548	7.97	9.64	9.09	7.78
90.1692	8.09	10.06	9.23	7.91
90.2836	8.14	9.72	9.49	8.12
90.3981	8.28	9.82	9.78	8.29
90.5125	8.37	10.26	9.74	8.26
90.6269	8.44	10.24	9.75	8.29
90.7413	8.51	9.96	10.00	8.34
90.8558	8.66	10.16	10.07	8.43
90.9702	8.70	9.98	10.01	8.43
91.0846	8.78	9.89	9.97	8.56
91.1991	9.00	9.84	9.95	8.60
91.3135	9.25	9.84	9.84	8.67
91.4279	9.42	9.63	9.82	8.80
91.5423	9.64	9.58	9.77	9.04
91.6568	9.81	9.68	9.54	9.30
91.7712	9.92	9.60	9.49	9.63
91.8856	10.03	9.33	9.53	9.92
92.0001	10.10	9.24	9.73	9.92
92.1145	10.00	9.30	9.51	9.86
92.2289	9.89	9.06	9.36	9.77
92.3433	9.98	8.72	9.55	9.60
92.4578	10.09	8.72	9.66	9.54
92.5722	9.90	8.80	9.36	9.62
92.6866	9.69	8.84	9.22	9.59
92.8010	9.70	8.66	9.13	9.52
92.9155	9.44	9.05	9.01	9.53
93.0299	9.23	9.44	8.70	9.46
93.1443	9.26	9.41	8.55	9.30
93.2588	9.31	9.50	8.18	9.05
93.3732	9.23	9.83	7.90	8.94
93.4876	9.07	10.07	7.82	8.82
93.6020	8.78	10.10	7.73	8.61
93.7165	8.62	10.01	7.51	8.31
93.8309	8.40	10.11	7.42	7.87
93.9453	8.26	10.32	7.22	7.75
94.0598	8.00	9.99	7.26	7.52
94.1742	7.89	9.79	7.15	7.46
94.2886	7.86	9.72	6.93	7.46
94.4030	7.81	9.63	6.77	7.60
94.5175	7.78	9.22	6.70	7.76
94.6319	7.71	8.89	6.65	7.76
94.7463	7.63	8.72	6.74	7.62
94.8607	7.47	8.50	6.60	7.40
94.9752	7.39	8.35	6.67	7.33
95.0896	7.36	8.15	6.76	7.39
95.2040	7.31	8.10	6.94	7.49
95.3185	7.33	8.04	6.88	7.47
95.4329	7.35	7.84	7.06	7.34
95.5473	7.32	7.64	7.04	7.25
95.6617	7.35	7.60	7.11	7.23
95.7762	7.45	7.32	7.02	7.09
95.8906	7.57	6.94	7.11	7.05
96.0050	7.43	7.04	7.06	7.38

96.1195	7.35	7.11	7.13	7.71
96.2339	7.57	6.79	7.30	7.71
96.3483	7.87	6.77	7.64	7.51
96.4627	7.98	6.99	7.68	7.60
96.5772	8.07	6.96	8.12	7.78
96.6916	8.21	6.85	8.64	7.80
96.8060	8.28	7.25	8.97	7.89
96.9205	8.31	7.66	8.88	8.05
97.0349	8.43	7.98	9.24	8.30
97.1493	8.67	8.23	9.62	8.43
97.2637	8.85	8.92	9.66	8.57
97.3782	8.98	9.45	9.58	8.69
97.4926	9.17	9.78	9.84	8.91
97.6070	9.36	10.01	9.98	9.18
97.7214	9.40	10.54	10.25	9.26
97.8359	9.44	10.88	10.22	9.25
97.9503	9.39	10.89	10.31	9.30
98.0647	9.23	11.05	10.36	9.17
98.1792	9.21	11.26	10.56	8.97
98.2936	9.20	11.00	10.66	8.84
98.4080	9.06	11.00	10.73	8.71
98.5224	9.04	11.22	10.58	8.66
98.6369	9.06	11.20	10.75	8.76
98.7513	9.13	10.58	10.95	9.04
98.8657	9.18	10.28	11.01	9.24
98.9802	9.29	10.37	10.98	9.20
99.0946	9.20	9.83	11.17	9.10
99.2090	8.99	9.42	11.23	9.01
99.3234	8.96	9.23	11.19	8.87
99.4379	9.08	9.22	11.17	8.69
99.5523	9.09	8.98	11.32	8.72
99.6667	8.94	8.82	11.34	8.65
99.7812	8.85	8.59	11.19	8.53
99.8956	8.79	8.61	11.11	8.45
100.0100	8.74	8.36	10.96	8.45
100.1244	8.62	8.32	10.88	8.45
100.2389	8.60	8.13	10.81	8.38
100.3533	8.60	8.26	10.83	8.33
100.4677	8.42	7.98	10.37	8.23
100.5821	8.17	8.06	10.02	8.17
100.6966	7.99	7.98	9.71	8.00
100.8110	7.91	7.88	9.48	7.81
100.9254	7.86	7.68	9.01	7.58
101.0399	7.65	7.76	8.91	7.38
101.1543	7.28	7.60	8.65	7.23
101.2687	7.17	7.39	8.61	7.00
101.3831	7.24	7.37	8.58	6.73
101.4976	7.23	7.53	8.57	6.72
101.6120	7.16	7.40	8.29	6.93
101.7264	7.12	7.60	8.33	6.93
101.8409	7.06	7.52	8.34	6.76
101.9553	6.86	7.86	8.44	6.48
102.0697	6.72	7.97	8.28	6.43
102.1841	6.67	7.99	8.41	6.40
102.2986	6.78	7.88	8.45	6.51
102.4130	6.79	8.40	8.64	6.64
102.5274	6.77	8.57	8.59	6.69
102.6418	6.81	8.53	8.49	6.73
102.7563	6.91	8.68	8.36	6.79
102.8707	7.07	9.16	8.49	6.81
102.9851	7.24	9.20	8.55	7.02

103.0996	7.39	9.11	8.46	7.46
103.2140	7.74	9.16	8.29	7.87
103.3284	8.05	9.39	8.52	8.12
103.4428	8.28	9.45	8.51	8.29
103.5573	8.52	9.44	8.55	8.44
103.6717	8.84	9.57	8.57	8.64
103.7861	9.09	9.69	8.75	8.78
103.9006	9.30	9.54	8.79	8.96
104.0150	9.36	9.73	9.10	9.00
104.1294	9.40	9.56	9.25	8.91
104.2438	9.48	9.52	9.31	9.02
104.3583	9.41	9.40	9.23	9.35
104.4727	9.52	9.45	9.34	9.65
104.5871	9.77	9.49	9.42	9.48
104.7016	9.92	9.39	9.51	9.33
104.8160	9.81	9.48	9.25	9.20
104.9304	9.67	9.87	9.26	9.32
105.0448	9.50	9.79	9.45	9.33
105.1593	9.46	9.71	9.37	9.31
105.2737	9.46	9.76	9.14	9.15
105.3881	9.33	9.95	9.08	8.94
105.5025	9.39	9.60	8.96	8.81
105.6170	9.34	9.43	8.89	8.80
105.7314	9.14	9.44	8.83	8.95
105.8458	9.06	9.66	8.86	9.01
105.9603	9.23	9.43	8.69	8.95
106.0747	9.11	9.37	8.89	8.76
106.1891	8.97	9.39	9.06	8.65
106.3035	8.84	9.51	9.11	8.61
106.4180	8.79	9.06	9.08	8.59
106.5324	8.70	9.07	9.16	8.56
106.6468	8.63	8.85	9.37	8.55
106.7613	8.79	8.76	9.57	8.42
106.8757	8.91	8.65	9.38	8.32
106.9901	8.82	8.61	9.22	8.46
107.1045	8.56	8.35	9.26	8.55
107.2190	8.41	8.30	9.29	8.41
107.3334	8.18	8.32	8.79	8.07
107.4478	8.09	8.27	8.43	7.82
107.5622	7.94	8.01	8.37	7.80
107.6767	7.82	8.08	8.60	7.90
107.7911	7.86	7.79	8.37	7.95
107.9055	7.87	7.76	8.04	7.87
108.0200	7.77	7.54	7.97	7.71
108.1344	7.67	7.56	8.09	7.58
108.2488	7.56	7.32	7.75	7.55
108.3632	7.54	7.39	7.35	7.53
108.4777	7.56	7.42	7.11	7.55
108.5921	7.69	7.24	7.02	7.49
108.7065	7.68	7.07	6.76	7.48
108.8210	7.69	7.14	6.75	7.67
108.9354	7.73	6.87	6.75	7.71
109.0498	7.88	6.92	6.62	7.74
109.1642	7.96	7.05	6.57	7.84
109.2787	7.95	7.29	6.97	8.07
109.3931	7.95	7.43	7.03	8.00
109.5075	8.00	7.64	7.06	7.97
109.6220	7.92	8.07	7.15	7.99
109.7364	7.86	8.38	7.76	8.15
109.8508	7.93	8.41	7.91	8.06
109.9652	8.12	8.88	8.15	7.77

110.0797	8.20	9.14	8.56	7.62
110.1941	8.20	9.43	9.05	7.67
110.3085	8.19	9.54	9.33	7.87
110.4229	8.30	9.89	9.79	8.08
110.5374	8.38	10.07	10.11	8.28
110.6518	8.63	10.09	10.48	8.39
110.7662	8.97	10.32	10.50	8.64
110.8807	9.01	10.77	10.70	8.82
110.9951	9.06	10.59	10.82	8.95
111.1095	9.22	10.57	10.85	8.93
111.2239	9.34	10.79	10.52	8.96
111.3384	9.29	11.11	10.67	9.08
111.4528	9.38	10.90	10.82	9.08
111.5672	9.39	10.99	10.70	9.04
111.6817	9.37	11.20	10.32	8.99
111.7961	9.36	11.33	10.31	8.93
111.9105	9.46	11.14	10.14	8.95
112.0249	9.40	10.82	9.97	9.18
112.1394	9.23	11.05	9.45	9.35
112.2538	9.13	10.83	9.12	9.24
112.3682	9.11	11.02	9.13	9.05
112.4827	8.93	10.81	9.17	8.84
112.5971	8.67	11.07	8.58	8.71
112.7115	8.64	11.04	8.36	8.43
112.8259	8.55	11.25	8.49	8.25
112.9404	8.45	11.01	8.41	8.19
113.0548	8.59	11.16	7.98	8.09
113.1692	8.65	10.83	7.93	8.09
113.2836	8.50	10.74	7.92	8.06
113.3981	8.42	10.46	7.98	8.03
113.5125	8.34	10.30	7.82	8.12
113.6269	8.24	9.95	7.86	8.06
113.7414	8.36	9.73	7.77	7.99
113.8558	8.34	9.43	7.62	7.88
113.9702	8.17	9.34	7.56	7.89
114.0846	7.77	9.11	7.68	7.88
114.1991	7.62	9.05	7.58	7.65
114.3135	7.58	8.77	7.59	7.24
114.4279	7.55	8.74	7.65	7.05
114.5424	7.45	8.49	8.02	7.02
114.6568	7.39	8.71	8.08	7.11
114.7712	7.26	8.76	8.00	7.31
114.8856	7.12	8.79	8.11	7.35
115.0001	7.20	8.54	8.30	7.19
115.1145	7.25	8.92	8.32	6.95
115.2289	7.08	8.83	8.44	7.00
115.3433	6.84	8.60	8.53	6.95
115.4578	6.80	7.93	8.73	6.77
115.5722	6.85	7.99	8.74	6.60
115.6866	6.81	7.86	8.96	6.68
115.8011	7.01	7.63	8.97	6.68
115.9155	7.19	7.16	8.89	6.88
116.0299	7.20	7.46	8.89	7.26
116.1443	7.35	7.62	9.02	7.41
116.2588	7.69	7.81	8.99	7.31
116.3732	7.93	7.68	8.97	7.49
116.4876	7.99	8.16	8.83	7.88
116.6021	8.20	8.24	8.89	8.20
116.7165	8.40	8.45	8.97	8.42
116.8309	8.62	8.57	8.84	8.57
116.9453	8.85	8.87	8.57	8.64

117.0598	9.05	8.76	8.81	8.60
117.1742	9.19	9.08	8.90	8.71
117.2886	9.34	9.21	8.96	9.01
117.4031	9.57	9.51	8.91	9.27
117.5175	9.74	9.28	9.13	9.34
117.6319	9.77	9.47	9.37	9.58
117.7463	9.79	9.39	9.63	9.70
117.8608	9.89	9.32	9.54	9.75
117.9752	9.89	9.03	9.77	9.86
118.0896	9.84	9.23	10.06	9.86
118.2040	10.07	9.01	10.28	9.64
118.3185	10.11	8.73	10.36	9.41
118.4329	9.85	8.60	10.59	9.62
118.5473	9.59	8.85	10.54	9.75
118.6618	9.62	8.53	10.58	9.60
118.7762	9.60	8.39	10.66	9.30
118.8906	9.56	8.28	10.70	9.09
119.0050	9.48	8.63	10.39	9.00
119.1195	9.38	8.56	10.31	9.02
119.2339	9.25	8.60	10.19	9.04
119.3483	9.23	8.45	10.24	9.01
119.4628	9.13	8.76	9.86	9.03
119.5772	8.96	8.98	9.58	8.90
119.6916	8.75	8.98	9.50	8.62
119.8060	8.52	8.74	9.59	8.33
119.9205	8.27	8.87	9.43	8.05
120.0349	8.15	8.90	9.30	7.80
120.1493	8.17	8.81	9.15	7.60
120.2637	8.16	8.33	9.27	7.66
120.3782	7.91	8.39	8.97	7.72
120.4926	7.81	8.27	8.77	7.90
120.6070	7.83	8.22	8.48	7.87
120.7215	7.83	7.98	8.25	7.72
120.8359	7.84	7.99	7.98	7.61
120.9503	7.86	7.69	7.95	7.73
121.0647	7.73	7.64	7.64	7.91
121.1792	7.69	7.28	7.51	7.90
121.2936	7.83	7.33	7.40	7.60
121.4080	7.80	7.01	7.50	7.16
121.5225	7.58	7.11	7.38	6.97
121.6369	7.28	6.99	7.15	6.88
121.7513	7.25	7.06	7.08	6.94
121.8657	7.17	6.92	7.25	6.99
121.9802	7.18	7.13	7.20	7.19
122.0946	7.28	7.11	7.08	7.26
122.2090	7.49	7.24	6.98	7.36
122.3235	7.54	7.14	7.32	7.47
122.4379	7.52	7.66	7.50	7.75
122.5523	7.58	7.69	7.46	7.79
122.6667	7.70	7.89	7.64	7.66
122.7812	7.78	8.03	8.17	7.57
122.8956	7.82	8.68	8.39	7.82
123.0100	7.99	8.97	8.77	8.06
123.1244	8.24	9.27	8.94	8.11
123.2389	8.50	9.36	9.16	8.24
123.3533	8.53	10.03	9.36	8.26
123.4677	8.60	10.13	9.42	8.30
123.5822	8.69	10.23	9.49	8.46
123.6966	8.66	10.18	9.78	8.57
123.8110	8.68	10.61	9.76	8.65
123.9254	8.72	10.69	9.80	8.50

124.0399	8.74	10.92	10.12	8.37
124.1543	8.70	10.89	10.47	8.32
124.2687	8.78	11.06	10.23	8.28
124.3832	8.80	11.01	10.27	8.32
124.4976	8.83	10.70	10.60	8.45
124.6120	8.95	10.96	10.78	8.53
124.7264	9.05	10.66	10.61	8.48
124.8409	9.02	10.69	10.58	8.69
124.9553	9.02	10.52	10.57	8.87
125.0697	9.04	10.40	10.79	8.97
125.1841	9.18	10.01	10.77	8.87
125.2986	9.27	10.13	10.64	8.89
125.4130	9.18	9.73	10.60	8.93
125.5274	9.19	9.61	10.85	8.91
125.6419	9.28	9.10	10.82	8.88
125.7563	9.18	9.14	10.78	8.90
125.8707	9.03	8.74	10.53	8.86
125.9851	8.91	8.70	10.44	8.61
126.0996	8.87	8.29	10.34	8.46
126.2140	8.87	8.47	10.30	8.48
126.3284	8.73	8.37	9.83	8.51
126.4429	8.67	8.41	9.56	8.59
126.5573	8.60	8.17	9.59	8.63
126.6717	8.52	8.47	9.72	8.60
126.7861	8.41	8.26	9.20	8.32
126.9006	8.30	8.34	9.11	8.15
127.0150	8.12	8.22	9.23	7.90
127.1294	8.09	8.58	9.18	7.84
127.2439	7.95	8.59	8.88	7.74
127.3583	7.72	8.92	8.78	7.68
127.4727	7.52	8.88	8.76	7.53
127.5871	7.34	9.30	8.95	7.14
127.7016	7.39	9.16	8.83	6.98
127.8160	7.34	9.26	8.73	6.88
127.9304	7.36	8.97	8.54	7.01
128.0448	7.34	9.15	8.58	7.15
128.1593	7.17	8.91	8.22	7.46
128.2737	7.12	8.78	7.92	7.45
128.3881	7.21	8.58	7.66	7.25
128.5026	7.29	8.74	7.48	7.08
128.6170	7.38	8.27	7.15	7.12
128.7314	7.35	8.28	7.12	7.15
128.8458	7.32	8.29	6.99	7.24
128.9603	7.21	8.30	7.02	7.30
129.0747	7.21	7.96	6.94	7.34
129.1891	7.56	8.11	7.07	7.44
129.3036	7.78	8.16	7.30	7.66
129.4180	7.95	8.20	7.65	7.90
129.5324	8.05	7.87	7.76	7.81
129.6468	8.13	8.19	8.02	7.75
129.7613	8.22	8.13	8.40	8.00
129.8757	8.41	8.31	8.78	8.21
129.9901	8.73	8.20	8.91	8.45
130.1046	8.89	8.51	8.97	8.67
130.2190	8.97	8.56	8.94	8.64
130.3334	9.10	8.77	9.10	8.57
130.4478	9.28	8.85	8.95	8.69
130.5623	9.32	9.31	9.00	8.97
130.6767	9.48	9.36	8.75	9.32
130.7911	9.74	9.80	8.77	9.57
130.9055	9.76	9.98	8.91	9.66

131.0200	9.77	10.30	8.90	9.61
131.1344	9.84	10.30	8.56	9.41
131.2488	9.73	10.60	8.47	9.46
131.3633	9.64	10.68	8.53	9.56
131.4777	9.68	11.08	8.54	9.48
131.5921	9.60	10.90	8.14	9.23
131.7065	9.58	11.15	8.05	9.01
131.8210	9.45	11.19	8.18	8.84
131.9354	9.26	11.36	8.18	8.85
132.0498	8.98	10.89	8.06	9.02
132.1643	8.94	10.73	8.19	9.01
132.2787	9.04	10.97	8.41	8.87
132.3931	9.15	10.91	8.57	8.66
132.5075	9.01	10.48	8.67	8.76
132.6220	8.86	10.39	8.81	8.79
132.7364	8.82	10.65	8.54	8.78
132.8508	8.63	10.41	8.52	8.65
132.9652	8.60	10.04	8.63	8.55
133.0797	8.63	9.86	8.38	8.33
133.1941	8.59	9.75	8.00	8.16
133.3085	8.48	9.32	7.98	8.16
133.4230	8.37	8.72	7.96	8.29
133.5374	8.40	8.45	7.91	8.27
133.6518	8.45	8.22	7.62	8.24
133.7662	8.47	7.82	7.57	8.27
133.8807	8.31	7.61	7.49	8.20
133.9951	8.09	7.60	7.65	8.10
134.1095	8.02	7.61	7.56	7.90
134.2240	8.01	7.49	7.60	7.74
134.3384	7.93	7.46	7.48	7.61
134.4528	7.83	7.46	7.69	7.63
134.5672	7.80	7.35	7.89	7.63
134.6817	7.79	7.25	7.97	7.60
134.7961	7.61	7.29	7.89	7.54
134.9105	7.56	7.05	7.97	7.45
135.0250	7.50	6.99	8.21	7.30
135.1394	7.32	6.90	8.37	7.25
135.2538	7.17	7.21	8.21	7.22
135.3682	7.14	7.16	8.36	7.21
135.4827	7.15	7.26	8.41	7.23
135.5971	7.12	7.57	8.50	7.33
135.7115	7.15	7.95	8.65	7.16
135.8259	7.24	8.21	8.75	7.09
135.9404	7.26	8.23	8.66	7.14
136.0548	7.33	8.55	8.90	7.23
136.1692	7.61	9.21	9.16	7.30
136.2837	7.78	9.22	9.47	7.42
136.3981	7.93	9.25	9.23	7.65
136.5125	8.09	9.73	9.44	7.87
136.6269	8.43	10.06	9.73	8.14
136.7414	8.67	9.82	9.95	8.36
136.8558	8.85	9.99	9.79	8.78
136.9702	9.01	10.17	10.05	8.96
137.0847	9.10	10.11	10.39	9.00
137.1991	9.07	10.03	10.68	9.04
137.3135	9.10	10.19	10.67	9.05
137.4279	9.21	10.11	10.99	8.93
137.5424	9.35	10.18	11.09	8.91
137.6568	9.43	10.11	11.29	8.95
137.7712	9.42	10.00	11.28	9.06
137.8856	9.42	10.18	11.21	9.13

138.0001	9.48	10.18	11.09	9.08
138.1145	9.53	10.00	10.94	9.14
138.2289	9.44	9.92	10.81	9.15
138.3434	9.38	10.01	10.55	9.19
138.4578	9.32	9.76	10.13	9.15
138.5722	9.14	9.63	9.96	9.00
138.6866	9.06	9.64	9.70	8.88
138.8011	9.03	9.43	9.61	8.66
138.9155	9.01	9.26	9.36	8.49
139.0299	8.84	9.29	9.38	8.40
139.1444	8.77	9.36	9.23	8.32
139.2588	8.71	9.11	9.34	8.17
139.3732	8.58	9.14	9.34	8.17
139.4876	8.37	9.47	9.30	8.14
139.6021	8.15	9.49	9.00	7.99
139.7165	8.15	9.37	9.19	7.90
139.8309	8.14	9.32	9.21	7.90
139.9454	7.96	9.42	9.30	7.91
140.0598	7.83	9.36	9.08	7.82
140.1742	7.74	9.11	9.18	7.65
140.2886	7.57	9.05	9.18	7.53
140.4031	7.40	9.24	9.22	7.40
140.5175	7.42	9.12	9.07	7.28
140.6319	7.50	8.92	8.87	7.27
140.7463	7.51	9.07	8.61	7.23
140.8608	7.41	9.00	8.60	7.14
140.9752	7.26	8.62	8.61	7.09
141.0896	7.16	8.27	8.37	7.13
141.2041	7.26	8.43	7.95	7.09
141.3185	7.39	8.09	8.11	7.13
141.4329	7.38	7.68	8.24	7.22
141.5473	7.35	7.47	7.98	7.27
141.6618	7.28	7.53	7.72	7.30
141.7762	7.35	7.25	7.92	7.19
141.8906	7.35	7.09	7.91	7.18
142.0051	7.44	7.13	7.69	7.20
142.1195	7.53	7.29	7.44	7.20
142.2339	7.75	7.23	7.65	7.40
142.3483	7.82	7.40	7.55	7.61
142.4628	7.92	7.64	7.46	8.03
142.5772	8.14	7.86	7.36	8.29
142.6916	8.38	7.93	7.76	8.40
142.8061	8.54	8.23	7.74	8.38
142.9205	8.68	8.42	7.83	8.38
143.0349	8.64	8.53	7.96	8.40
143.1493	8.59	8.38	8.27	8.27
143.2638	8.59	8.52	8.31	8.27
143.3782	8.60	8.53	8.53	8.32
143.4926	8.70	8.49	8.72	8.47
143.6070	8.90	8.51	9.16	8.48
143.7215	9.11	8.62	9.22	8.58
143.8359	9.15	8.75	9.58	8.79
143.9503	9.30	8.89	9.92	9.13
144.0648	9.50	8.96	10.11	9.33
144.1792	9.69	9.18	10.28	9.40
144.2936	9.66	9.25	10.66	9.54
144.4080	9.66	9.05	10.77	9.53
144.5225	9.78	9.23	10.90	9.32
144.6369	9.63	9.41	11.15	9.10
144.7513	9.51	9.27	11.40	9.14
144.8658	9.47	9.07	11.07	9.14

144.9802	9.43	9.18	10.95	9.19
145.0946	9.39	9.38	11.03	9.20
145.2090	9.35	9.17	11.10	9.18
145.3235	9.32	8.98	10.81	9.20
145.4379	9.10	9.04	10.35	9.27
145.5523	9.05	8.98	10.32	9.20
145.6667	9.10	8.71	10.31	9.04
145.7812	8.95	8.53	9.89	8.87
145.8956	8.86	8.53	9.36	8.76
146.0100	8.82	8.45	9.22	8.52
146.1245	8.83	8.23	9.16	8.33
146.2389	8.71	8.13	9.03	8.33
146.3533	8.52	8.27	8.52	8.33
146.4677	8.49	8.08	8.36	8.28
146.5822	8.47	7.80	8.38	8.33
146.6966	8.39	7.97	8.38	8.24
146.8110	8.38	8.19	7.83	8.24
146.9255	8.36	8.15	7.81	8.19
147.0399	8.21	8.06	7.80	8.15
147.1543	8.25	8.38	7.67	8.01
147.2687	8.15	8.56	7.27	7.83
147.3832	7.87	8.47	7.43	7.74
147.4976	7.62	8.45	7.48	7.54
147.6120	7.59	8.64	7.31	7.21
147.7265	7.49	8.51	7.11	6.98
147.8409	7.41	8.46	7.33	7.07
147.9553	7.38	8.40	7.23	7.12
148.0697	7.35	8.59	7.14	7.26
148.1842	7.25	8.32	7.06	7.49
148.2986	7.18	8.17	7.45	7.49
148.4130	7.31	8.45	7.43	7.29
148.5274	7.42	8.65	7.43	7.22
148.6419	7.40	8.34	7.78	7.31
148.7563	7.42	8.42	8.12	7.52
148.8707	7.29	8.80	8.12	7.54
148.9852	7.29	8.89	8.47	7.39
149.0996	7.46	8.70	8.78	7.16
149.2140	7.60	9.05	9.09	7.02
149.3284	7.66	9.38	9.17	7.11
149.4429	7.70	9.50	9.33	7.39
149.5573	7.67	9.61	9.49	7.66
149.6717	7.79	9.88	9.47	7.79
149.7862	7.91	10.04	9.18	7.87
149.9006	8.08	10.27	9.41	7.92
150.0150	8.37	10.32	9.37	8.06
150.1294	8.55	10.65	9.15	8.22
150.2439	8.64	10.94	8.90	8.36
150.3583	8.76	11.12	9.34	8.43
150.4727	8.89	11.19	9.27	8.43
150.5871	8.98	11.44	9.02	8.59
150.7016	9.19	11.30	8.83	8.81
150.8160	9.29	11.39	9.14	8.98
150.9304	9.36	11.59	9.08	9.15
151.0449	9.54	11.08	8.85	9.13
151.1593	9.65	11.02	8.77	9.04
151.2737	9.54	10.62	8.97	9.08
151.3881	9.42	10.62	9.03	9.25
151.5026	9.40	10.74	9.09	9.28
151.6170	9.47	10.27	9.08	9.15
151.7314	9.43	10.17	9.12	8.94
151.8459	9.24	10.27	9.23	8.76

151.9603	9.17	10.32	9.36	8.77
152.0747	9.03	10.06	9.25	8.81
152.1891	8.90	10.11	9.40	8.88
152.3036	8.82	10.23	9.42	8.83
152.4180	8.79	10.10	9.43	8.67
152.5324	8.79	9.75	9.32	8.41
152.6469	8.52	9.91	9.49	8.47
152.7613	8.25	9.96	9.32	8.72
152.8757	8.21	9.68	9.26	8.54
152.9901	8.42	9.38	9.30	8.22
153.1046	8.36	9.44	9.46	8.04
153.2190	8.15	9.27	9.16	8.02
153.3334	8.01	9.06	9.05	7.92
153.4478	7.99	8.82	9.05	7.80
153.5623	7.91	8.84	9.03	7.70
153.6767	7.80	8.67	8.74	7.58
153.7911	7.75	8.62	8.69	7.44
153.9056	7.72	8.40	8.62	7.45
154.0200	7.70	8.39	8.74	7.56
154.1344	7.77	7.96	8.43	7.64
154.2488	7.73	7.96	8.34	7.67
154.3633	7.58	7.81	8.29	7.62
154.4777	7.43	7.68	8.08	7.42
154.5921	7.38	7.42	7.88	7.21
154.7066	7.33	7.35	7.87	7.22
154.8210	7.26	7.19	7.53	7.21
154.9354	7.39	7.22	7.46	7.23
155.0498	7.32	6.89	7.49	7.21
155.1643	7.31	7.05	7.61	7.26
155.2787	7.36	7.08	7.51	7.35
155.3931	7.62	7.12	7.55	7.49
155.5075	7.85	7.08	7.73	7.51
155.6220	8.03	7.34	8.06	7.59
155.7364	8.09	7.24	7.93	7.82
155.8508	8.06	7.45	8.00	8.02
155.9653	8.21	7.37	8.04	8.21
156.0797	8.53	7.81	8.29	8.24
156.1941	8.83	7.98	8.16	8.42
156.3085	9.01	8.02	8.23	8.58
156.4230	9.15	8.19	8.19	8.91
156.5374	9.13	8.63	8.56	8.99
156.6518	9.14	8.81	8.57	9.03
156.7663	9.23	9.12	8.84	9.09
156.8807	9.37	9.24	9.17	9.16
156.9951	9.34	9.70	9.50	9.15
157.1095	9.37	10.18	9.48	9.21
157.2240	9.35	10.28	9.71	9.21
157.3384	9.28	10.33	9.85	9.11
157.4528	9.24	10.68	10.02	9.11
157.5673	9.32	10.74	9.92	9.08
157.6817	9.34	10.83	9.95	9.07
157.7961	9.24	10.84	9.98	9.12
157.9105	9.23	10.85	10.11	9.00
158.0250	9.24	10.64	9.78	8.81
158.1394	9.30	10.51	9.53	8.67
158.2538	9.22	10.26	9.37	8.83
158.3682	9.18	10.02	9.39	9.06
158.4827	9.25	9.65	9.12	9.11
158.5971	9.23	9.52	8.91	8.99
158.7115	9.15	9.45	8.77	8.80
158.8260	8.93	9.25	8.99	8.66

158.9404	8.79	8.91	8.83	8.55
159.0548	8.78	8.91	8.71	8.55
159.1692	8.74	8.78	8.57	8.49
159.2837	8.62	8.52	8.69	8.40
159.3981	8.54	8.35	8.58	8.15
159.5125	8.44	8.45	8.50	7.99
159.6270	8.22	8.24	8.33	8.03
159.7414	8.13	8.06	8.40	8.13
159.8558	8.20	7.90	8.43	8.08
159.9702	8.25	8.22	8.62	7.96
160.0847	8.11	7.90	8.37	7.82
160.1991	7.99	7.81	8.34	7.74
160.3135	7.89	7.95	8.65	7.77
160.4280	7.74	8.19	8.80	7.75
160.5424	7.68	7.83	8.60	7.51
160.6568	7.76	7.72	8.62	7.31
160.7712	7.59	7.86	8.81	7.25
160.8857	7.42	7.95	8.92	7.24
161.0001	7.29	7.60	8.64	7.19
161.1145	7.29	7.87	8.40	7.15
161.2289	7.29	8.03	8.38	7.15
161.3434	7.27	8.13	8.43	7.09
161.4578	7.38	8.08	8.14	7.09
161.5722	7.32	8.41	8.14	7.19
161.6867	7.28	8.37	8.27	7.11
161.8011	7.20	8.61	8.40	7.18
161.9155	7.13	8.59	8.28	7.21
162.0299	7.23	9.02	8.46	7.18
162.1444	7.33	9.06	8.68	7.19
162.2588	7.45	9.05	8.90	7.20
162.3732	7.48	9.20	8.86	7.33
162.4877	7.61	9.45	9.17	7.38
162.6021	7.84	9.02	9.42	7.42
162.7165	7.86	9.04	9.61	7.71
162.8309	7.96	9.11	9.67	7.99
162.9454	8.26	8.81	9.99	8.26
163.0598	8.33	8.56	10.11	8.38
163.1742	8.47	8.57	10.42	8.46
163.2886	8.73	8.53	10.55	8.37
163.4031	8.87	8.51	10.57	8.51
163.5175	8.87	8.32	10.72	8.79
163.6319	9.07	8.63	10.98	8.94
163.7464	9.27	8.75	10.85	8.81
163.8608	9.36	8.82	10.95	8.73
163.9752	9.43	8.74	10.94	8.86
164.0896	9.52	9.03	10.97	9.03
164.2041	9.56	9.23	10.96	9.22
164.3185	9.52	9.39	11.01	9.27
164.4329	9.60	9.30	10.85	9.31
164.5474	9.60	9.49	10.89	9.21
164.6618	9.52	9.75	10.81	9.30
164.7762	9.44	9.71	10.82	9.27
164.8906	9.25	9.49	10.45	9.25
165.0051	8.90	9.56	10.42	8.96
165.1195	8.76	9.72	10.37	8.68
165.2339	8.71	9.65	10.50	8.42
165.3484	8.62	9.55	10.09	8.25
165.4628	8.60	9.63	10.09	8.27
165.5772	8.58	9.70	10.12	8.28
165.6916	8.55	9.77	10.07	8.28
165.8061	8.45	9.57	9.42	8.22

165.9205	8.43	9.83	9.25	8.26
166.0349	8.41	9.78	9.10	8.32
166.1493	8.31	9.78	8.82	8.28
166.2638	8.15	9.53	8.37	8.24
166.3782	7.96	9.63	8.39	8.05
166.4926	7.97	9.58	8.15	7.70
166.6071	7.96	9.30	7.90	7.44
166.7215	7.78	9.12	7.86	7.53
166.8359	7.67	9.33	7.94	7.64
166.9503	7.68	8.91	7.57	7.53
167.0648	7.77	8.76	7.53	7.47
167.1792	7.85	8.66	7.45	7.53
167.2936	7.73	8.53	7.45	7.74
167.4081	7.82	8.12	7.19	8.02
167.5225	7.88	8.15	7.12	7.97
167.6369	7.94	7.94	7.01	7.94
167.7513	7.88	7.87	7.16	7.67
167.8658	7.86	7.42	7.00	7.39
167.9802	7.69	7.50	7.14	7.36
168.0946	7.55	7.36	7.08	7.49
168.2090	7.60	7.27	7.15	7.58
168.3235	7.78	7.01	7.16	7.65
168.4379	7.86	7.42	7.18	7.71
168.5523	7.98	7.36	7.13	7.67
168.6668	8.00	7.41	7.12	7.72
168.7812	7.84	7.62	7.03	7.88
168.8956	7.81	7.79	7.34	7.94
169.0100	7.97	7.98	7.32	7.77
169.1245	7.98	8.19	7.47	7.64
169.2389	7.83	8.36	7.71	7.64
169.3533	7.90	8.81	7.92	7.58
169.4678	8.09	8.97	8.18	7.52
169.5822	8.18	9.24	8.35	7.85
169.6966	8.30	9.42	8.28	8.15
169.8110	8.66	9.89	8.56	8.35
169.9255	8.87	10.10	8.91	8.46
170.0399	8.86	10.44	8.88	8.77
170.1543	8.94	10.60	8.86	8.99
170.2688	9.28	10.92	9.22	9.01
170.3832	9.45	10.93	9.45	9.09
170.4976	9.54	10.93	9.50	9.32
170.6120	9.53	10.86	9.38	9.41
170.7265	9.60	10.74	9.65	9.37
170.8409	9.62	10.46	9.73	9.22
170.9553	9.67	10.38	9.77	9.22
171.0697	9.71	10.25	9.57	9.19
171.1842	9.61	9.89	9.66	9.34
171.2986	9.54	9.74	9.54	9.29
171.4130	9.45	9.61	9.34	9.33
171.5275	9.43	9.53	9.24	9.49
171.6419	9.49	9.49	9.36	9.53
171.7563	9.51	9.21	9.10	9.47
171.8707	9.36	9.37	8.97	9.31
171.9852	9.23	9.14	9.11	9.15
172.0996	9.19	8.99	9.26	8.90
172.2140	9.14	8.71	9.00	8.73
172.3285	9.02	8.79	8.89	8.79
172.4429	8.84	8.56	8.95	8.80
172.5573	8.78	8.37	9.00	8.63
172.6717	8.72	8.47	8.79	8.39
172.7862	8.46	8.71	8.76	8.26

172.9006	8.36	8.29	8.56	8.12
173.0150	8.28	8.25	8.67	8.02
173.1295	8.01	8.47	8.64	7.98
173.2439	7.86	8.57	8.51	7.90
173.3583	7.82	8.35	8.28	7.63
173.4727	7.90	8.51	8.31	7.36
173.5872	7.73	8.58	8.24	7.31
173.7016	7.41	8.74	8.32	7.21
173.8160	7.30	8.56	8.07	7.14
173.9304	7.34	8.61	8.30	7.02
174.0449	7.28	8.64	8.30	6.96
174.1593	7.25	8.72	8.56	6.88
174.2737	7.13	8.42	8.60	6.89
174.3882	6.97	8.76	8.60	7.04
174.5026	6.85	8.56	8.64	7.08
174.6170	6.99	8.59	9.00	6.93
174.7314	7.08	8.51	8.85	6.83
174.8459	7.15	8.56	8.96	7.05
174.9603	7.28	8.64	8.94	7.14
175.0747	7.43	8.74	9.04	7.18
175.1892	7.32	8.72	9.05	7.35
175.3036	7.25	8.83	8.88	7.39
175.4180	7.60	8.80	8.55	7.32
175.5324	7.80	9.00	8.70	7.24
175.6469	7.87	8.99	8.50	7.60
175.7613	7.99	9.05	8.23	7.92
175.8757	8.23	8.92	8.07	8.12
175.9901	8.40	9.29	8.21	8.24
176.1046	8.56	9.37	8.05	8.52
176.2190	8.66	9.35	8.14	8.72
176.3334	8.79	9.30	8.20	8.83
176.4479	8.88	9.65	8.46	8.75
176.5623	8.93	9.87	8.50	8.63
176.6767	8.98	10.15	8.74	8.61
176.7911	9.05	10.13	8.88	8.60
176.9056	9.15	10.52	9.25	8.75
177.0200	9.19	10.88	9.26	8.86
177.1344	9.21	10.87	9.44	8.94
177.2489	9.23	10.87	9.67	8.97
177.3633	9.23	10.89	9.98	8.93
177.4777	9.24	10.91	9.92	8.81
177.5921	9.16	10.76	10.03	8.93
177.7066	9.15	10.53	10.05	9.10
177.8210	9.21	10.62	10.12	9.00
177.9354	9.21	10.46	10.00	8.82
178.0499	9.08	10.40	9.95	8.57
178.1643	9.03	10.22	9.85	8.46
178.2787	8.81	10.31	9.73	8.52
178.3931	8.70	10.29	9.75	8.62
178.5076	8.75	10.13	9.88	8.61
178.6220	8.74	9.65	9.66	8.52
178.7364	8.61	9.70	9.60	8.52
178.8508	8.54	9.56	9.74	8.37
178.9653	8.54	9.13	9.84	8.16
179.0797	8.40	8.78	9.59	8.20
179.1941	8.18	8.83	9.53	8.25
179.3086	8.19	8.61	9.61	8.13
179.4230	8.17	8.41	9.60	7.91
179.5374	8.04	8.17	9.29	7.87
179.6518	7.98	8.12	9.27	7.86
179.7663	8.10	7.87	9.14	7.81

179.8807	8.15	7.74	9.06	7.83
179.9951	8.04	7.67	8.74	7.86
180.1096	8.03	7.72	8.56	7.87
180.2240	7.97	7.25	8.32	7.89
180.3384	7.84	7.50	8.23	7.87
180.4528	7.84	7.38	7.99	7.75
180.5673	7.81	7.32	7.78	7.71
180.6817	7.74	7.08	7.49	7.65
180.7961	7.75	7.23	7.47	7.74
180.9105	7.84	7.10	7.34	7.67
181.0250	7.87	7.04	7.12	7.77
181.1394	7.77	6.87	6.95	7.74
181.2538	7.73	7.04	7.14	7.60
181.3683	7.83	7.02	7.07	7.45
181.4827	7.88	6.98	7.28	7.45
181.5971	7.85	7.03	7.51	7.55
181.7115	7.97	7.44	7.73	7.77
181.8260	8.03	7.31	7.95	7.92
181.9404	8.06	7.38	8.43	8.02
182.0548	8.05	7.42	8.66	8.08
182.1693	8.08	7.64	8.98	7.95
182.2837	8.07	7.58	9.16	7.89
182.3981	8.03	7.62	9.56	7.98
182.5125	8.08	7.65	9.69	7.99
182.6270	8.11	8.10	9.93	8.03
182.7414	8.10	8.01	10.03	8.15
182.8558	8.28	8.10	10.39	8.21
182.9703	8.55	8.39	10.36	8.28
183.0847	8.81	8.55	10.49	8.40
183.1991	8.98	8.67	10.58	8.62
183.3135	9.14	8.86	10.74	8.80
183.4280	9.21	9.04	10.43	8.99
183.5424	9.15	9.22	10.41	9.01
183.6568	9.21	9.35	10.45	9.04
183.7712	9.38	9.51	10.52	8.96
183.8857	9.54	9.59	10.03	9.01
184.0001	9.56	9.72	9.99	9.03
184.1145	9.55	9.62	10.06	9.15
184.2290	9.45	9.67	10.01	9.22
184.3434	9.44	9.60	9.72	9.19
184.4578	9.55	9.51	9.72	9.17
184.5722	9.51	9.33	9.71	9.19
184.6867	9.50	9.48	9.69	9.17
184.8011	9.34	9.43	9.36	9.12
184.9155	9.24	9.39	9.30	9.13
185.0300	8.95	9.34	9.13	8.97
185.1444	8.85	9.61	9.05	8.81
185.2588	8.91	9.47	8.85	8.52
185.3732	8.92	9.29	8.73	8.27
185.4877	8.70	9.38	8.55	8.24
185.6021	8.48	9.52	8.48	8.26
185.7165	8.29	9.26	8.26	8.24
185.8310	8.24	9.26	8.30	8.10
185.9454	8.30	9.35	8.09	8.08
186.0598	8.25	9.43	8.06	7.98
186.1742	8.29	8.89	8.12	8.02
186.2887	8.15	9.05	8.28	8.00
186.4031	7.98	9.07	8.15	7.86
186.5175	7.85	9.07	8.22	7.70
186.6319	7.68	8.81	8.32	7.58
186.7464	7.54	9.02	8.57	7.55

186.8608	7.53	9.11	8.66	7.34
186.9752	7.53	9.24	8.61	7.16
187.0897	7.43	9.08	8.47	7.03
187.2041	7.28	9.19	8.76	6.99
187.3185	7.15	9.21	8.67	6.99
187.4329	7.16	9.25	8.41	7.00
187.5474	7.26	9.11	8.33	7.18
187.6618	7.29	9.26	8.38	7.26
187.7762	7.29	8.89	8.20	7.23
187.8907	7.25	8.91	8.23	7.10
188.0051	7.08	8.99	8.11	6.98
188.1195	7.00	8.90	7.98	6.92
188.2339	7.09	8.54	8.01	6.85
188.3484	7.19	8.64	8.20	6.84
188.4628	7.33	8.53	8.23	6.89
188.5772	7.38	8.38	8.22	7.09
188.6916	7.43	8.05	8.09	7.20
188.8061	7.56	8.17	8.36	7.41
188.9205	7.71	8.23	8.41	7.73
189.0349	8.05	8.31	8.32	7.98
189.1494	8.36	8.48	8.32	8.08
189.2638	8.45	8.88	8.60	8.23
189.3782	8.53	9.16	8.78	8.44
189.4926	8.68	9.27	8.96	8.59
189.6071	8.91	9.34	8.98	8.76
189.7215	9.02	9.72	9.45	8.93
189.8359	9.10	9.87	9.65	8.94
189.9504	9.24	9.95	9.84	8.78
190.0648	9.39	9.92	9.85	8.87
190.1792	9.39	10.19	10.12	9.03
190.2936	9.47	10.43	10.13	9.18
190.4081	9.56	10.47	10.09	9.34
190.5225	9.54	10.27	10.02	9.49
190.6369	9.39	10.45	10.25	9.55
190.7514	9.31	10.59	10.12	9.37
190.8658	9.41	10.43	10.19	9.19
190.9802	9.43	10.17	10.21	9.11
191.0946	9.35	10.27	10.30	9.19
191.2091	9.29	10.22	10.24	9.22
191.3235	9.23	10.14	10.20	9.19
191.4379	9.19	10.07	10.13	9.00
191.5523	9.14	10.24	10.20	8.72
191.6668	9.04	10.13	9.91	8.58
191.7812	8.93	9.96	9.81	8.59
191.8956	8.83	9.87	9.43	8.68
192.0101	8.66	10.03	9.26	8.70
192.1245	8.65	9.53	9.04	8.56
192.2389	8.60	9.34	8.95	8.46
192.3533	8.51	9.34	8.39	8.36
192.4678	8.39	9.22	8.33	8.28
192.5822	8.17	8.73	8.29	8.16
192.6966	8.11	8.69	8.26	7.95
192.8111	8.00	8.41	7.74	7.68
192.9255	7.97	8.14	7.67	7.63
193.0399	7.94	7.83	7.78	7.77
193.1543	7.93	7.91	7.77	7.87
193.2688	7.95	7.74	7.40	7.95
193.3832	8.07	7.55	7.35	7.92
193.4976	8.19	7.25	7.34	7.76
193.6120	8.10	7.66	7.49	7.78
193.7265	7.99	7.43	7.31	7.90

193.8409	7.94	7.19	7.35	7.85
193.9553	7.93	7.11	7.37	7.85
194.0698	7.88	7.43	7.51	7.56
194.1842	7.79	7.31	7.57	7.44
194.2986	7.73	7.32	7.51	7.37
194.4130	7.73	7.43	7.41	7.51
194.5275	7.66	7.90	7.65	7.62
194.6419	7.60	8.01	7.60	7.71
194.7563	7.68	8.25	7.49	7.61
194.8708	7.68	8.60	7.38	7.51
194.9852	7.65	8.92	7.44	7.60
195.0996	7.63	8.82	7.44	7.83
195.2140	7.76	9.09	7.24	8.06
195.3285	7.96	9.30	7.18	8.02
195.4429	8.17	9.33	7.51	7.86
195.5573	8.20	9.34	7.46	7.70
195.6718	8.18	9.65	7.54	7.79
195.7862	8.25	9.86	7.56	8.02
195.9006	8.37	9.91	7.88	8.16
196.0150	8.40	9.81	8.01	8.22
196.1295	8.56	10.15	8.17	8.32
196.2439	8.69	10.19	8.37	8.39
196.3583	8.84	9.97	8.74	8.59
196.4727	9.06	10.00	9.01	8.80
196.5872	9.24	10.24	9.23	9.05
196.7016	9.21	10.06	9.28	9.07
196.8160	9.23	9.92	9.56	8.92
196.9305	9.26	9.94	9.74	8.79
197.0449	9.29	10.17	9.63	8.79
197.1593	9.27	10.02	9.54	8.85
197.2737	9.39	9.80	9.70	8.92
197.3882	9.53	9.75	9.72	8.95
197.5026	9.49	9.76	9.61	9.10
197.6170	9.43	9.44	9.48	9.30
197.7315	9.42	9.22	9.74	9.36
197.8459	9.52	9.09	9.89	9.38
197.9603	9.43	9.32	9.94	9.26
198.0747	9.46	9.00	9.82	9.14
198.1892	9.31	8.83	10.01	9.03
198.3036	9.15	8.97	10.02	8.87
198.4180	8.98	8.89	10.12	8.67
198.5324	8.75	8.43	9.88	8.47
198.6469	8.66	8.46	9.88	8.21
198.7613	8.55	8.45	9.76	8.01
198.8757	8.41	8.50	9.76	7.96
198.9902	8.20	8.31	9.71	8.01
199.1046	8.04	8.48	9.62	8.08
199.2190	7.90	8.60	9.46	8.07
199.3334	7.87	8.85	9.65	7.93
199.4479	7.83	8.61	9.49	7.79
199.5623	7.66	9.00	9.47	7.59
199.6767	7.56	9.13	9.22	7.25
199.7912	7.45	9.07	9.30	7.08
199.9056	7.28	8.93	9.18	7.04
200.0200	7.22	9.26	9.04	7.10
200.1344	7.24	9.01	9.00	7.19
200.2489	7.31	8.77	9.06	7.25
200.3633	7.41	8.67	8.82	7.30
200.4777	7.37	8.90	8.89	7.33
200.5922	7.42	8.53	8.72	7.34
200.7066	7.46	8.18	8.67	7.38

200.8210	7.55	8.04	8.62	7.40
200.9354	7.62	8.01	8.69	7.47
201.0499	7.61	7.53	8.54	7.58
201.1643	7.59	7.44	8.66	7.45
201.2787	7.67	7.49	8.60	7.24
201.3931	7.76	7.54	8.69	7.23
201.5076	7.69	7.28	8.62	7.36
201.6220	7.73	7.48	8.87	7.62
201.7364	7.94	7.53	8.78	7.74
201.8509	7.95	7.49	9.03	7.76
201.9653	8.00	7.30	9.07	7.88
202.0797	7.91	7.52	9.40	7.94
202.1941	7.90	7.82	9.49	7.96
202.3086	7.99	7.97	9.53	7.91
202.4230	8.10	7.91	9.59	7.79
202.5374	8.19	8.30	9.87	7.93
202.6519	8.28	8.70	9.84	8.15
202.7663	8.44	8.90	9.77	8.26
202.8807	8.56	8.90	9.79	8.41
202.9951	8.66	9.41	10.04	8.56
203.1096	8.89	9.79	10.09	8.57
203.2240	9.19	9.82	10.13	8.58
203.3384	9.22	9.98	10.01	8.82
203.4529	9.17	10.31	10.16	9.02
203.5673	9.16	10.41	10.11	9.10
203.6817	9.27	10.43	10.09	9.08
203.7961	9.30	10.45	9.97	9.05
203.9106	9.32	10.93	9.90	9.01
204.0250	9.28	10.84	9.92	8.95
204.1394	9.13	10.53	9.98	8.85
204.2538	8.96	10.65	9.81	8.76
204.3683	8.95	10.85	9.84	8.72
204.4827	9.06	10.49	9.71	8.65
204.5971	9.09	10.42	9.69	8.73
204.7116	8.99	10.38	9.57	8.87
204.8260	8.99	10.28	9.54	8.81
204.9404	8.90	9.99	9.35	8.72
205.0548	8.75	9.82	9.16	8.63
205.1693	8.79	9.37	8.95	8.60
205.2837	8.81	9.09	8.89	8.55
205.3981	8.70	8.56	8.54	8.69
205.5126	8.65	8.65	8.36	8.63
205.6270	8.61	8.32	8.11	8.47
205.7414	8.57	7.89	8.01	8.29
205.8558	8.58	7.68	7.89	8.21
205.9703	8.45	7.98	7.70	8.09
206.0847	8.38	7.65	7.54	8.09
206.1991	8.24	7.41	7.51	8.16
206.3135	8.24	7.40	7.42	8.09
206.4280	8.31	7.85	7.34	7.98
206.5424	8.09	7.67	7.22	7.91
206.6568	7.94	7.50	7.28	7.98
206.7713	7.91	7.69	7.30	7.78
206.8857	7.88	8.08	7.47	7.55
207.0001	7.82	7.80	7.39	7.39
207.1145	7.68	7.84	7.57	7.49
207.2290	7.40	8.07	7.63	7.46
207.3434	7.33	8.26	7.77	7.42
207.4578	7.29	7.96	7.79	7.19
207.5723	7.37	8.01	7.88	7.06
207.6867	7.50	7.94	7.94	7.04

207.8011	7.53	8.11	8.27	7.18
207.9155	7.54	7.86	8.30	7.41
208.0300	7.48	7.80	8.40	7.49
208.1444	7.52	7.90	8.45	7.62
208.2588	7.65	7.96	8.72	7.57
208.3733	7.85	7.87	8.73	7.55
208.4877	7.88	7.97	8.81	7.72
208.6021	7.85	7.94	8.81	7.98
208.7165	8.02	8.17	8.95	8.05
208.8310	8.28	8.33	8.88	7.96
208.9454	8.39	8.54	8.99	8.13
209.0598	8.47	8.66	8.89	8.38
209.1742	8.73	8.82	8.98	8.61
209.2887	8.90	9.11	8.94	8.71
209.4031	9.03	9.28	9.14	8.86
209.5175	9.15	9.23	9.18	8.97
209.6320	9.30	9.40	9.37	8.89
209.7464	9.34	9.50	9.46	9.06
209.8608	9.32	9.70	9.59	9.24
209.9752	9.47	9.57	9.60	9.29
210.0897	9.62	9.45	9.74	9.19
210.2041	9.60	9.56	9.64	9.06
210.3185	9.57	9.83	9.70	9.13
210.4330	9.48	9.61	9.58	9.24
210.5474	9.35	9.60	9.72	9.38
210.6618	9.45	9.97	9.63	9.31
210.7762	9.64	10.18	9.70	9.24
210.8907	9.75	9.93	9.46	9.13
211.0051	9.58	10.07	9.46	9.20
211.1195	9.40	10.30	9.36	9.12
211.2339	9.23	10.46	9.21	9.06
211.3484	8.99	10.07	9.01	8.88
211.4628	8.93	10.30	9.09	8.63
211.5772	8.81	10.43	8.96	8.39
211.6917	8.63	10.28	9.08	8.23
211.8061	8.39	9.97	9.08	8.15
211.9205	8.16	10.15	9.06	8.12
212.0349	8.05	10.01	9.07	8.02
212.1494	7.99	9.87	9.24	7.81
212.2638	7.96	9.63	9.15	7.73
212.3782	7.84	9.74	9.06	7.80
212.4927	7.67	9.58	9.08	7.91
212.6071	7.63	9.56	9.22	7.77
212.7215	7.67	9.31	8.94	7.55
212.8359	7.59	9.39	8.93	7.40
212.9504	7.52	9.19	8.88	7.32
213.0648	7.52	9.08	8.86	7.24
213.1792	7.54	9.01	8.75	7.19
213.2937	7.51	8.94	8.62	7.11
213.4081	7.50	8.52	8.37	7.05
213.5225	7.40	8.69	8.24	7.15
213.6369	7.34	8.64	7.92	7.26
213.7514	7.42	8.72	7.75	7.28
213.8658	7.57	8.58	7.41	7.46
213.9802	7.55	8.70	7.15	7.44
214.0946	7.48	8.81	7.07	7.37
214.2091	7.51	8.96	7.26	7.30
214.3235	7.48	8.81	7.02	7.31
214.4379	7.46	8.83	7.03	7.31
214.5524	7.56	8.95	7.23	7.43
214.6668	7.60	9.14	7.41	7.43

214.7812	7.66	8.91	7.16	7.46
214.8956	7.75	9.05	7.19	7.48
215.0101	7.82	9.27	7.33	7.65
215.1245	8.04	9.18	7.46	7.97
215.2389	8.23	9.15	7.43	8.14
215.3534	8.34	9.46	7.68	8.25
215.4678	8.40	9.50	7.96	8.21
215.5822	8.32	9.40	8.26	8.16
215.6966	8.34	9.30	8.48	8.18
215.8111	8.43	9.72	8.80	8.10
215.9255	8.52	9.78	9.00	8.18
216.0399	8.60	9.52	9.39	8.32
216.1544	8.66	9.64	9.55	8.39
216.2688	8.72	10.12	9.79	8.44
216.3832	8.82	9.97	9.91	8.53
216.4976	8.89	9.93	10.31	8.66
216.6121	9.03	10.00	10.21	8.99
216.7265	9.20	10.06	10.39	9.21
216.8409	9.37	10.00	10.56	9.30
216.9553	9.39	10.01	10.65	9.33
217.0698	9.34	10.03	10.56	9.40
217.1842	9.39	10.08	10.81	9.35
217.2986	9.53	9.85	10.78	9.14
217.4131	9.54	9.88	10.87	9.15
217.5275	9.36	9.76	10.58	9.10
217.6419	9.41	9.61	10.59	9.07
217.7563	9.37	9.24	10.43	8.86
217.8708	9.29	9.14	10.19	8.92
217.9852	9.17	8.91	9.77	9.05
218.0996	9.15	8.71	9.63	9.06
218.2141	9.04	8.28	9.34	8.88
218.3285	8.93	8.22	9.13	8.66
218.4429	8.73	7.94	8.89	8.46
218.5573	8.67	7.83	8.73	8.30
218.6718	8.61	7.63	8.30	8.26
218.7862	8.51	7.83	8.26	8.32
218.9006	8.32	7.52	8.24	8.30
219.0150	8.31	7.43	8.10	8.15
219.1295	8.31	7.59	7.84	7.94
219.2439	8.23	7.82	8.09	7.89
219.3583	8.16	7.49	8.12	7.90
219.4728	8.06	7.62	8.16	8.05
219.5872	8.06	7.74	8.08	8.13
219.7016	8.02	7.95	8.29	7.93
219.8160	8.01	7.70	8.31	7.76
219.9305	7.97	7.64	8.34	7.78
220.0449	7.92	7.63	8.26	7.85
220.1593	7.85	7.70	8.45	7.80
220.2738	7.87	7.52	8.26	7.66
220.3882	7.77	7.59	8.21	7.63
220.5026	7.65	7.53	8.24	7.53
220.6170	7.69	7.69	8.32	7.42
220.7315	7.69	7.62	8.23	7.49
220.8459	7.65	7.71	8.23	7.55
220.9603	7.63	7.83	8.37	7.67
221.0748	7.72	7.96	8.45	7.62
221.1892	7.75	7.99	8.36	7.56
221.3036	7.79	8.14	8.45	7.59
221.4180	7.79	8.12	8.49	7.61
221.5325	7.67	8.22	8.58	7.62
221.6469	7.66	8.13	8.69	7.48

221.7613	7.69	8.17	8.77	7.42
221.8757	7.71	8.23	8.77	7.43
221.9902	7.86	8.27	9.02	7.53
222.1046	7.98	8.36	9.19	7.70
222.2190	8.16	8.61	9.13	8.03
222.3335	8.44	8.52	8.98	8.19
222.4479	8.66	8.70	9.31	8.36
222.5623	8.68	8.97	9.24	8.65
222.6767	8.70	9.15	9.01	8.78
222.7912	8.86	9.12	9.02	8.80
222.9056	9.02	9.34	9.16	8.67
223.0200	9.10	9.59	9.03	8.62
223.1345	9.12	9.77	9.17	8.66
223.2489	9.33	9.59	9.09	8.73
223.3633	9.47	9.69	9.17	8.85
223.4777	9.42	9.98	9.24	9.15
223.5922	9.40	10.07	9.49	9.21
223.7066	9.54	9.85	9.57	9.15
223.8210	9.49	10.12	9.68	9.05
223.9354	9.32	10.20	9.89	9.02
224.0499	9.23	10.20	10.23	8.95
224.1643	9.18	10.04	10.19	8.94
224.2787	9.11	10.24	10.22	8.87
224.3932	9.06	10.20	10.43	8.80
224.5076	8.95	10.27	10.56	8.64
224.6220	8.84	10.05	10.24	8.51
224.7364	8.66	10.16	10.24	8.42
224.8509	8.55	10.08	10.23	8.34
224.9653	8.52	10.01	10.16	8.27
225.0797	8.36	9.74	9.63	8.34
225.1942	8.28	9.88	9.56	8.31
225.3086	8.25	9.60	9.46	8.14
225.4230	8.01	9.53	9.40	7.94
225.5374	7.88	9.33	8.99	7.90
225.6519	7.90	9.32	8.96	7.74
225.7663	7.89	9.02	8.79	7.59
225.8807	7.72	8.95	8.87	7.56
225.9952	7.57	8.88	8.62	7.50
226.1096	7.53	8.82	8.52	7.44
226.2240	7.57	8.52	8.29	7.28
226.3384	7.64	8.45	8.49	7.26
226.4529	7.56	8.29	8.37	7.24
226.5673	7.45	8.27	8.25	7.31
226.6817	7.41	7.85	8.24	7.30
226.7961	7.46	7.81	8.58	7.34
226.9106	7.41	7.82	8.61	7.36
227.0250	7.49	7.74	8.63	7.36
227.1394	7.60	7.44	8.76	7.37
227.2539	7.59	7.44	8.98	7.36
227.3683	7.52	7.43	8.86	7.42
227.4827	7.46	7.47	8.88	7.32
227.5971	7.64	7.17	8.82	7.25
227.7116	7.72	7.29	8.93	7.28
227.8260	7.71	7.65	8.81	7.53
227.9404	7.76	7.63	8.79	7.77
228.0549	7.84	7.51	8.63	7.85
228.1693	7.92	7.98	8.74	7.87
228.2837	7.93	8.20	8.64	7.85
228.3981	8.06	8.23	8.82	7.98
228.5126	8.17	8.44	8.78	8.06
228.6270	8.41	8.80	8.82	8.27

228.7414	8.55	8.87	8.96	8.37
228.8558	8.55	9.01	9.19	8.53
228.9703	8.49	9.28	9.07	8.55
229.0847	8.59	9.68	9.17	8.49
229.1991	8.69	9.73	9.36	8.46
229.3136	8.83	9.98	9.56	8.64
229.4280	8.96	10.32	9.46	8.71
229.5424	9.09	10.61	9.55	8.70
229.6568	9.11	10.38	9.70	8.74
229.7713	9.01	10.50	9.81	8.85
229.8857	9.06	10.77	9.59	9.05
230.0001	9.13	10.68	9.53	9.06
230.1146	9.32	10.48	9.72	9.01
230.2290	9.48	10.73	9.61	8.98
230.3434	9.39	10.73	9.23	9.13
230.4578	9.29	10.61	9.13	9.23
230.5723	9.30	10.29	9.14	9.24
230.6867	9.45	10.42	8.93	9.17
230.8011	9.57	10.16	8.64	9.08
230.9156	9.61	9.87	8.58	9.04
231.0300	9.56	9.57	8.49	9.00
231.1444	9.40	9.61	8.48	9.14
231.2588	9.25	9.13	8.27	9.36
231.3733	9.19	8.91	8.25	9.32
231.4877	9.22	8.62	8.19	9.14
231.6021	9.07	8.66	8.33	8.83
231.7165	8.91	8.39	8.13	8.53
231.8310	8.72	8.34	8.18	8.20
231.9454	8.41	8.33	8.24	8.16
232.0598	8.17	8.39	8.23	8.14
232.1743	8.15	8.24	8.09	8.01
232.2887	8.16	8.41	8.12	7.83
232.4031	8.07	8.38	8.10	7.83
232.5175	8.00	8.52	8.03	7.78
232.6320	8.08	8.51	7.81	7.56
232.7464	8.03	8.62	7.67	7.62
232.8608	7.72	8.59	7.48	7.76
232.9753	7.60	8.70	7.32	7.71
233.0897	7.64	8.51	7.23	7.52
233.2041	7.58	8.67	7.21	7.36
233.3185	7.49	8.64	6.94	7.16
233.4330	7.39	8.91	7.04	7.05
233.5474	7.28	8.83	7.15	7.05
233.6618	7.40	8.88	7.29	7.18
233.7763	7.53	9.21	7.14	7.37
233.8907	7.65	9.20	7.30	7.49
234.0051	7.67	8.85	7.44	7.63
234.1195	7.76	9.05	7.64	7.64
234.2340	7.85	9.19	7.35	7.65
234.3484	7.79	9.06	7.46	7.70
234.4628	7.80	8.83	7.57	7.89
234.5772	7.95	9.02	7.72	7.92
234.6917	8.11	9.01	7.56	7.94
234.8061	8.11	8.82	7.83	7.99
234.9205	8.14	8.64	8.01	8.09
235.0350	8.14	8.71	8.24	8.05
235.1494	8.17	8.56	8.10	8.00
235.2638	8.31	8.46	8.44	8.04
235.3782	8.46	8.37	8.67	8.16
235.4927	8.57	8.52	8.85	8.44
235.6071	8.76	8.33	8.74	8.59

235.7215	8.89	8.35	9.18	8.60
235.8360	8.92	8.63	9.54	8.77
235.9504	8.91	8.74	9.61	8.84
236.0648	9.08	8.62	9.60	8.86
236.1792	9.15	8.80	10.08	8.94
236.2937	9.18	9.11	10.26	9.01
236.4081	9.27	9.26	10.30	8.95
236.5225	9.33	9.17	10.35	8.96
236.6369	9.41	9.55	10.64	9.02
236.7514	9.31	9.93	10.61	9.10
236.8658	9.37	10.19	10.66	9.22
236.9802	9.39	10.09	10.70	9.13
237.0947	9.27	10.62	10.83	9.07
237.2091	9.16	10.68	10.69	8.84
237.3235	9.07	10.62	10.83	8.65
237.4379	8.94	10.46	10.65	8.55
237.5524	8.69	10.58	10.57	8.60
237.6668	8.60	10.45	10.46	8.45
237.7812	8.58	10.28	10.48	8.15
237.8957	8.41	9.91	10.18	7.92
238.0101	8.32	9.86	10.06	7.91
238.1245	8.30	9.68	9.94	7.95
238.2389	8.24	9.53	9.83	7.97
238.3534	8.18	9.17	9.59	8.18
238.4678	8.20	9.24	9.50	8.25
238.5822	8.23	9.09	9.28	8.18
238.6967	8.23	9.00	9.20	8.12
238.8111	8.22	8.85	9.15	8.05
238.9255	8.09	8.79	9.05	7.99
239.0399	7.96	8.45	8.89	7.90
239.1544	7.89	8.58	8.86	7.71
239.2688	7.92	8.32	8.79	7.51
239.3832	7.81	8.32	8.65	7.53
239.4976	7.63	8.01	8.46	7.70
239.6121	7.66	7.93	8.39	7.74
239.7265	7.72	8.06	8.26	7.63
239.8409	7.74	8.02	8.01	7.57
239.9554	7.77	7.67	7.73	7.64
240.0698	7.71	7.85	7.86	7.70
240.1842	7.64	8.12	7.76	7.64
240.2986	7.56	8.10	7.56	7.62
240.4131	7.54	7.84	7.58	7.52
240.5275	7.64	8.17	7.97	7.37
240.6419	7.75	8.25	8.04	7.26
240.7564	7.74	8.12	8.01	7.24
240.8708	7.62	8.08	8.07	7.44
240.9852	7.52	8.38	8.46	7.43
241.0996	7.55	8.41	8.48	7.28
241.2141	7.61	8.33	8.48	7.19
241.3285	7.67	8.34	8.48	7.28
241.4429	7.63	8.70	8.77	7.49
241.5573	7.61	8.70	8.78	7.68
241.6718	7.72	8.68	8.80	7.74
241.7862	7.85	8.85	8.93	7.60
241.9006	7.91	9.14	9.15	7.60
242.0151	7.96	9.21	9.22	7.75
242.1295	8.10	9.34	9.34	7.82
242.2439	8.33	9.52	9.40	8.00
242.3583	8.39	9.60	9.58	8.17
242.4728	8.52	9.63	9.56	8.35
242.5872	8.79	9.82	9.64	8.56

242.7016	8.91	9.77	9.55	8.80
242.8161	9.09	9.61	9.60	9.02
242.9305	9.41	9.42	9.62	9.22
243.0449	9.57	9.73	9.72	9.34
243.1593	9.55	9.43	9.56	9.37
243.2738	9.61	9.31	9.68	9.36
243.3882	9.54	9.12	9.78	9.30
243.5026	9.55	9.37	9.92	9.26
243.6171	9.67	9.29	9.72	9.14
243.7315	9.79	8.97	9.84	9.12
243.8459	9.68	8.84	9.73	9.13
243.9603	9.57	9.08	9.74	9.17
244.0748	9.49	8.93	9.44	9.20
244.1892	9.46	8.83	9.41	9.33
244.3036	9.35	8.72	9.22	9.27
244.4180	9.36	9.00	9.23	9.14
244.5325	9.25	8.84	8.94	8.96
244.6469	8.96	8.68	8.85	8.97
244.7613	8.73	8.66	8.69	8.84
244.8758	8.77	8.79	8.74	8.55
244.9902	8.78	8.46	8.44	8.33
245.1046	8.52	8.53	8.44	8.22
245.2190	8.36	8.25	8.48	8.14
245.3335	8.24	8.30	8.58	8.04
245.4479	8.01	8.06	8.49	7.88
245.5623	8.04	7.94	8.47	7.82
245.6768	8.05	7.79	8.56	7.76
245.7912	7.87	7.89	8.76	7.78
245.9056	7.73	7.68	8.66	7.72
246.0200	7.65	7.56	8.73	7.51
246.1345	7.68	7.58	8.85	7.39
246.2489	7.62	7.53	9.06	7.33
246.3633	7.63	7.35	8.88	7.39
246.4778	7.53	7.53	9.01	7.40
246.5922	7.47	7.58	9.03	7.38
246.7066	7.44	7.59	9.01	7.30
246.8210	7.52	7.64	8.83	7.20
246.9355	7.52	7.89	8.90	7.24
247.0499	7.55	7.83	8.83	7.38
247.1643	7.64	7.74	8.87	7.58
247.2787	7.69	7.66	8.70	7.77
247.3932	7.68	7.99	8.80	7.81
247.5076	7.80	7.87	8.75	7.71
247.6220	7.97	7.71	8.64	7.54
247.7365	7.89	7.82	8.49	7.73
247.8509	7.91	8.06	8.36	7.95
247.9653	8.13	8.04	8.12	8.01
248.0797	8.30	7.96	7.97	8.10
248.1942	8.31	8.19	7.83	8.17
248.3086	8.44	8.59	7.92	8.32
248.4230	8.52	8.64	7.87	8.40
248.5375	8.52	8.69	7.86	8.55
248.6519	8.70	9.16	8.09	8.49
248.7663	8.80	9.47	8.35	8.48
248.8807	8.73	9.24	8.34	8.59
248.9952	8.64	9.84	8.54	8.62
249.1096	8.84	10.16	8.85	8.55
249.2240	8.88	10.26	8.99	8.46
249.3384	8.82	10.19	9.08	8.54
249.4529	8.83	10.69	9.29	8.49
249.5673	8.92	10.91	9.38	8.38

249.6817	8.87	10.90	9.59	8.47
249.7962	8.84	10.96	9.61	8.72
249.9106	8.88	11.34	9.91	8.85
250.0250	9.12	11.37	9.99	8.84
250.1394	9.27	11.38	10.17	8.83
250.2539	9.25	11.04	10.12	8.93
250.3683	9.12	10.92	10.17	9.04
250.4827	9.04	10.98	10.12	9.10
250.5972	9.11	10.85	10.20	8.94
250.7116	9.07	10.68	9.90	8.73
250.8260	8.94	10.62	9.81	8.68
250.9404	8.94	10.36	9.77	8.52
251.0549	8.87	10.40	9.75	8.39
251.1693	8.64	10.18	9.42	8.34
251.2837	8.50	10.06	9.34	8.30
251.3982	8.41	9.79	9.36	8.16
251.5126	8.29	9.67	9.18	8.03
251.6270	8.11	9.54	8.85	7.97
251.7414	8.03	9.56	8.85	7.99
251.8559	7.93	9.32	8.70	7.87
251.9703	7.94	9.18	8.40	7.74
252.0847	7.83	9.21	8.07	7.58
252.1991	7.75	9.06	8.17	7.51
252.3136	7.66	8.88	7.90	7.49
252.4280	7.60	8.83	7.67	7.36
252.5424	7.72	8.81	7.42	7.29
252.6569	7.68	8.43	7.56	7.36
252.7713	7.64	8.25	7.35	7.62
252.8857	7.66	8.34	7.24	7.81
253.0001	7.70	8.37	7.30	7.84
253.1146	7.83	8.19	7.59	7.78
253.2290	7.84	8.07	7.33	7.66
253.3434	7.87	8.48	7.46	7.63
253.4579	7.79	8.74	7.52	7.54
253.5723	7.74	8.56	7.64	7.56
253.6867	7.60	8.50	7.52	7.60
253.8011	7.63	8.72	7.77	7.53
253.9156	7.71	8.87	7.92	7.49
254.0300	7.88	8.78	8.07	7.56
254.1444	8.02	8.76	8.02	7.74
254.2588	7.99	8.77	8.35	8.01
254.3733	7.94	8.94	8.59	8.09
254.4877	7.97	8.78	8.61	8.05
254.6021	8.00	8.78	8.64	8.00
254.7166	8.01	8.79	9.14	7.95
254.8310	8.10	8.70	9.29	7.92
254.9454	8.08	8.74	9.26	8.07
255.0598	8.06	8.74	9.33	8.12
255.1743	8.20	8.73	9.61	7.97
255.2887	8.35	8.69	9.65	7.82
255.4031	8.48	8.76	9.67	8.09
255.5176	8.64	8.79	9.48	8.42
255.6320	8.93	8.74	9.60	8.62
255.7464	9.08	8.86	9.57	8.73
255.8608	9.06	9.07	9.54	8.82
255.9753	9.11	8.96	9.29	8.91
256.0897	9.26	8.97	9.34	8.96
256.2041	9.44	9.23	9.32	9.11
256.3186	9.42	9.42	9.31	9.21
256.4330	9.37	9.34	9.15	9.23
256.5474	9.53	9.25	9.25	9.09

256.6618	9.55	9.49	9.26	8.99
256.7763	9.42	9.74	9.28	9.05
256.8907	9.39	9.46	9.36	9.30
257.0051	9.47	9.38	9.51	9.30
257.1195	9.66	9.42	9.39	9.19
257.2340	9.56	9.48	9.41	9.06
257.3484	9.32	9.17	9.39	9.10
257.4628	9.21	9.13	9.40	9.06
257.5773	9.18	8.96	9.20	8.95
257.6917	9.11	8.98	9.12	8.85
257.8061	9.02	8.86	9.27	8.77
257.9205	8.96	8.71	9.12	8.64
258.0350	8.87	8.67	8.76	8.49
258.1494	8.65	8.77	8.86	8.43
258.2638	8.52	8.69	8.84	8.42
258.3783	8.41	8.66	8.59	8.37
258.4927	8.44	8.73	8.37	8.20
258.6071	8.37	8.75	8.50	7.98
258.7215	8.10	8.82	8.40	7.90
258.8360	7.85	8.72	8.10	7.85
258.9504	7.77	8.81	7.84	7.82
259.0648	7.71	8.87	8.01	7.79
259.1792	7.67	8.67	7.75	7.67
259.2937	7.62	8.71	7.65	7.63
259.4081	7.53	8.66	7.68	7.47
259.5225	7.50	8.49	7.92	7.34
259.6370	7.45	8.41	7.85	7.20
259.7514	7.37	8.51	7.91	7.21
259.8658	7.40	8.39	7.99	7.28
259.9802	7.51	8.35	8.11	7.27
260.0947	7.55	8.40	7.97	7.22
260.2091	7.59	8.40	7.88	7.34
260.3235	7.65	8.41	7.78	7.43
260.4380	7.78	8.11	7.88	7.52
260.5524	7.86	8.12	7.70	7.60
260.6668	7.75	8.09	7.86	7.60
260.7812	7.71	7.77	7.96	7.65
260.8957	7.77	7.63	8.08	7.44
261.0101	7.76	7.82	8.17	7.33
261.1245	7.69	7.72	8.50	7.40
261.2390	7.81	7.64	8.47	7.43
261.3534	7.87	7.84	8.63	7.55
261.4678	7.96	8.26	8.79	7.81
261.5822	8.19	8.35	9.06	7.99
261.6967	8.33	8.38	9.15	8.19
261.8111	8.44	8.73	9.38	8.45
261.9255	8.55	8.97	9.48	8.56
262.0399	8.65	9.18	9.84	8.59
262.1544	8.77	9.13	9.85	8.67
262.2688	8.85	9.33	10.11	8.70
262.3832	8.96	9.70	10.22	8.69
262.4977	8.98	9.62	10.53	8.75
262.6121	8.91	9.67	10.57	8.84
262.7265	8.90	10.00	10.57	8.80
262.8409	8.99	10.02	10.48	8.64
262.9554	9.09	9.99	10.78	8.68
263.0698	9.04	10.08	10.66	8.91
263.1842	9.13	10.35	10.54	8.98
263.2987	9.08	10.32	10.49	8.97
263.4131	9.04	10.34	10.75	8.82
263.5275	9.05	10.39	10.71	8.60

263.6419	9.12	10.63	10.43	8.58
263.7564	8.97	10.51	10.33	8.61
263.8708	8.87	10.34	10.59	8.62
263.9852	8.88	10.20	10.36	8.49
264.0997	8.83	10.23	10.08	8.50
264.2141	8.71	9.84	9.94	8.57
264.3285	8.71	9.60	10.10	8.56
264.4429	8.78	9.43	9.84	8.51
264.5574	8.67	9.05	9.60	8.59
264.6718	8.59	8.83	9.63	8.69
264.7862	8.55	8.66	9.73	8.46
264.9006	8.48	8.32	9.39	8.36
265.0151	8.30	8.04	9.34	8.23
265.1295	8.19	7.84	9.32	8.04
265.2439	8.11	7.68	9.21	7.86
265.3584	7.95	7.42	9.03	7.71
265.4728	7.92	7.26	8.99	7.52
265.5872	7.92	7.20	8.75	7.31
265.7016	7.74	7.21	8.70	7.40
265.8161	7.49	7.05	8.64	7.62
265.9305	7.56	7.13	8.64	7.67
266.0449	7.67	7.32	8.46	7.62
266.1594	7.67	7.33	8.48	7.56
266.2738	7.65	7.46	8.67	7.53
266.3882	7.67	7.59	8.81	7.49
266.5026	7.53	7.86	8.54	7.49
266.6171	7.49	8.07	8.54	7.45
266.7315	7.58	8.21	8.74	7.31
266.8459	7.59	8.32	8.76	7.18
266.9603	7.48	8.52	8.50	7.24
267.0748	7.50	8.74	8.52	7.31
267.1892	7.55	8.87	8.57	7.42
267.3036	7.47	8.70	8.54	7.57
267.4181	7.60	8.95	8.25	7.74
267.5325	7.92	9.10	8.03	7.73
267.6469	8.03	9.07	7.93	7.85
267.7613	7.99	9.15	7.96	8.02
267.8758	8.07	9.19	7.68	8.07
267.9902	8.18	9.32	7.60	7.93
268.1046	8.27	9.43	7.66	7.85
268.2191	8.29	9.43	7.90	8.01
268.3335	8.36	9.45	7.82	8.16
268.4479	8.55	9.47	7.86	8.20
268.5623	8.78	9.45	8.09	8.23
268.6768	8.80	9.48	8.43	8.43
268.7912	8.84	9.35	8.30	8.66
268.9056	8.91	9.28	8.39	8.65
269.0201	9.06	9.37	8.66	8.80
269.1345	9.10	9.37	8.99	8.92
269.2489	9.17	9.19	8.80	9.02
269.3633	9.31	9.34	8.92	9.03
269.4778	9.38	9.38	9.23	8.98
269.5922	9.49	9.40	9.44	9.09
269.7066	9.48	9.41	9.11	9.14
269.8210	9.68	9.44	9.13	9.27
269.9355	9.65	9.49	9.36	9.21
270.0499	9.61	9.75	9.41	9.18
270.1643	9.57	9.62	9.02	9.15
270.2788	9.55	9.68	9.07	9.21
270.3932	9.40	9.79	9.09	9.26
270.5076	9.32	9.81	9.06	9.28

270.6220	9.36	9.74	8.81	9.05
270.7365	9.18	9.67	8.93	8.87
270.8509	8.95	9.53	8.74	8.75
270.9653	8.68	9.68	8.80	8.51
271.0798	8.60	9.54	8.89	8.30
271.1942	8.49	9.41	8.91	8.18
271.3086	8.34	9.48	8.56	8.10
271.4230	8.21	9.51	8.73	8.01
271.5375	8.13	9.39	8.73	7.95
271.6519	7.99	9.26	8.70	7.96
271.7663	7.97	9.16	8.47	7.94
271.8807	8.00	9.07	8.57	7.83
271.9952	7.91	8.90	8.53	7.76
272.1096	7.79	8.68	8.47	7.77
272.2240	7.67	8.65	8.19	7.68
272.3385	7.63	8.59	8.13	7.59
272.4529	7.66	8.48	8.04	7.54
272.5673	7.68	8.46	7.91	7.42
272.6817	7.75	8.23	7.71	7.54
272.7962	7.80	8.22	7.75	7.64
272.9106	7.80	8.29	7.59	7.78
273.0250	7.83	8.03	7.64	7.81
273.1395	7.88	7.89	7.57	7.85
273.2539	7.94	7.83	7.63	7.82
273.3683	7.96	7.95	7.70	7.82
273.4827	8.04	7.91	7.86	7.82
273.5972	8.09	7.86	7.79	7.83
273.7116	7.96	7.87	7.97	7.90
273.8260	7.91	8.03	8.20	7.92
273.9405	8.04	8.18	8.34	7.85
274.0549	8.14	8.11	8.20	7.78
274.1693	8.09	8.05	8.50	7.87
274.2837	8.04	8.35	8.76	7.95
274.3982	7.98	8.46	8.82	7.92
274.5126	8.02	8.48	8.68	7.90
274.6270	8.08	8.83	9.02	7.91
274.7414	8.06	9.11	9.37	7.96
274.8559	8.11	9.20	9.40	8.00
274.9703	8.27	9.31	9.27	7.94
275.0847	8.28	9.65	9.55	7.98
275.1992	8.17	9.69	9.72	8.08
275.3136	8.17	9.71	9.70	8.03
275.4280	8.43	9.91	9.47	8.11
275.5424	8.58	10.01	9.57	8.21
275.6569	8.52	10.21	9.71	8.42
275.7713	8.70	10.38	9.66	8.51
275.8857	8.84	10.38	9.62	8.53
276.0002	8.92	10.62	9.81	8.63
276.1146	8.93	10.56	9.93	8.75
276.2290	9.06	10.74	10.08	8.91
276.3434	9.16	10.84	10.25	9.13
276.4579	9.19	10.67	10.43	9.19
276.5723	9.23	10.45	10.40	9.10
276.6867	9.15	10.63	10.53	8.95
276.8012	9.11	10.57	10.44	8.86
276.9156	9.05	10.42	10.32	8.79
277.0300	9.02	10.15	10.03	8.76
277.1444	9.06	10.10	10.05	8.67
277.2589	9.06	10.06	9.73	8.60
277.3733	9.01	9.90	9.48	8.58
277.4877	8.86	9.58	9.17	8.61

277.6021	8.78	9.43	9.11	8.61
277.7166	8.75	9.37	8.75	8.50
277.8310	8.77	9.33	8.37	8.52
277.9454	8.70	9.30	8.15	8.39
278.0599	8.52	9.12	8.17	8.24
278.1743	8.31	9.01	7.88	8.09
278.2887	8.13	8.96	7.64	8.01
278.4031	8.02	8.77	7.68	7.96
278.5176	8.03	8.71	7.76	7.85
278.6320	7.88	8.47	7.62	7.78
278.7464	7.85	8.44	7.68	7.68
278.8609	7.79	8.51	7.64	7.59
278.9753	7.75	8.51	7.83	7.54
279.0897	7.65	8.61	7.78	7.54
279.2041	7.49	8.49	7.89	7.56
279.3186	7.49	8.59	7.86	7.43
279.4330	7.41	8.62	8.10	7.24
279.5474	7.30	8.60	8.20	7.23
279.6618	7.29	8.62	8.31	7.16
279.7763	7.43	8.53	8.21	7.04
279.8907	7.47	8.36	8.55	7.16
280.0051	7.38	8.35	8.63	7.21
280.1196	7.43	8.31	8.61	7.31
280.2340	7.46	8.24	8.47	7.26
280.3484	7.56	7.98	8.77	7.29
280.4628	7.71	7.86	8.76	7.34
280.5773	7.69	7.86	8.78	7.52
280.6917	7.76	7.84	8.71	7.75
280.8061	7.90	7.61	8.86	7.83
280.9206	8.15	7.49	8.89	7.86
281.0350	8.30	7.70	9.05	8.05
281.1494	8.37	7.75	9.05	8.12
281.2638	8.41	7.84	9.16	8.17
281.3783	8.37	7.99	9.21	8.22
281.4927	8.51	8.04	9.29	8.29
281.6071	8.74	8.21	9.27	8.34
281.7216	8.88	8.28	9.19	8.56
281.8360	8.96	8.20	9.08	8.82
281.9504	9.05	8.46	9.20	8.96
282.0648	9.14	8.49	9.13	9.01
282.1793	9.21	8.44	9.06	8.96
282.2937	9.23	8.54	9.08	9.00
282.4081	9.36	8.87	9.32	8.96
282.5225	9.38	8.79	9.13	9.05
282.6370	9.18	8.76	9.22	9.19
282.7514	9.14	8.89	9.41	9.14
282.8658	9.29	9.26	9.69	8.77
282.9803	9.39	9.24	9.45	8.64
283.0947	9.34	9.17	9.72	8.79
283.2091	9.39	9.32	9.98	9.09
283.3235	9.43	9.55	10.03	9.18
283.4380	9.49	9.49	9.87	9.15
283.5524	9.39	9.57	10.01	9.10
283.6668	9.32	9.51	10.20	9.08
283.7813	9.26	9.48	10.20	9.10
283.8957	9.27	9.48	9.95	9.11
284.0101	9.17	9.27	10.08	9.05
284.1245	9.01	9.11	10.15	8.93
284.2390	8.76	9.00	10.02	8.62
284.3534	8.57	8.71	9.91	8.31
284.4678	8.38	8.76	9.87	8.17

284.5822	8.23	8.65	9.76	8.13
284.6967	8.17	8.48	9.75	8.09
284.8111	8.08	8.42	9.57	8.04
284.9255	8.04	8.33	9.32	7.93
285.0400	7.92	8.11	8.98	7.79
285.1544	7.81	7.90	9.05	7.84
285.2688	7.77	7.90	8.90	7.84
285.3832	7.86	7.64	8.53	7.67
285.4977	7.92	7.55	8.25	7.52
285.6121	7.71	7.57	8.42	7.40
285.7265	7.43	7.58	8.20	7.35
285.8410	7.41	7.60	8.07	7.30
285.9554	7.49	7.61	7.92	7.21
286.0698	7.58	7.63	8.04	7.34
286.1842	7.66	7.92	7.81	7.27
286.2987	7.75	8.08	7.90	7.28
286.4131	7.64	7.97	7.78	7.44
286.5275	7.54	8.14	7.65	7.64
286.6420	7.57	8.61	7.56	7.71
286.7564	7.69	8.67	7.75	7.55
286.8708	7.75	8.58	7.65	7.49
286.9852	7.65	8.88	7.55	7.42
287.0997	7.69	9.19	7.61	7.42
287.2141	7.72	9.14	7.82	7.45
287.3285	7.70	9.15	7.80	7.58
287.4429	7.83	9.25	7.85	7.71
287.5574	8.02	9.45	8.17	7.78
287.6718	8.09	9.55	8.46	7.86
287.7862	8.19	9.52	8.41	7.96
287.9007	8.33	9.65	8.68	8.15
288.0151	8.28	9.82	8.93	8.23
288.1295	8.39	9.88	9.14	8.31
288.2439	8.41	9.82	9.02	8.37
288.3584	8.41	9.88	9.39	8.36
288.4728	8.52	9.82	9.71	8.23
288.5872	8.56	9.94	9.90	8.09
288.7017	8.45	9.88	9.81	8.20
288.8161	8.41	9.94	10.18	8.39
288.9305	8.56	10.06	10.21	8.42
289.0449	8.79	10.22	10.26	8.55
289.1594	8.83	10.27	10.12	8.70
289.2738	8.89	10.45	10.14	8.80
289.3882	9.10	10.51	10.04	8.72
289.5027	9.14	10.62	9.99	8.72
289.6171	9.09	10.61	9.80	8.88
289.7315	9.08	10.51	9.79	9.13
289.8459	9.14	10.43	9.65	8.99
289.9604	9.33	10.43	9.76	8.88
290.0748	9.34	10.27	9.68	8.77
290.1892	9.19	10.07	9.49	8.79
290.3036	9.17	9.77	9.43	8.88
290.4181	9.05	9.77	9.47	8.88
290.5325	8.98	9.51	9.33	8.87
290.6469	8.89	9.17	9.24	8.79
290.7614	8.84	8.87	9.18	8.69
290.8758	8.76	8.92	9.16	8.62
290.9902	8.65	8.84	9.02	8.49
291.1046	8.49	8.56	8.96	8.28
291.2191	8.35	8.65	8.89	8.17
291.3335	8.33	8.72	8.78	7.95
291.4479	8.29	8.66	8.63	7.79

291.5624	8.13	8.61	8.85	7.82
291.6768	7.99	8.60	8.66	7.87
291.7912	7.99	8.46	8.52	7.74
291.9056	7.92	8.46	8.36	7.59
292.0201	7.80	8.45	8.48	7.75
292.1345	7.65	8.41	8.18	7.77
292.2489	7.70	8.41	8.15	7.77
292.3633	7.77	8.45	8.18	7.73
292.4778	7.78	8.40	8.18	7.76
292.5922	7.73	8.41	8.00	7.83
292.7066	7.71	8.39	8.11	7.66
292.8211	7.73	8.26	8.15	7.56
292.9355	7.65	8.32	8.04	7.54
293.0499	7.66	8.30	7.87	7.55
293.1643	7.78	8.12	7.99	7.50
293.2788	7.93	8.34	8.06	7.50
293.3932	8.00	8.39	7.87	7.61
293.5076	7.94	8.43	7.66	7.86
293.6221	7.85	8.42	7.92	8.09
293.7365	7.93	8.48	7.95	8.00
293.8509	7.99	8.63	7.86	7.73
293.9653	8.04	8.66	7.87	7.67
294.0798	8.01	8.47	8.18	7.72
294.1942	8.09	8.47	8.14	7.84
294.3086	8.13	8.73	8.14	7.88
294.4231	8.23	8.62	8.13	8.01
294.5375	8.36	8.56	8.26	8.03
294.6519	8.47	8.57	8.17	8.07
294.7663	8.56	8.81	8.29	8.22
294.8808	8.58	8.74	8.19	8.35
294.9952	8.72	8.59	8.30	8.48
295.1096	8.89	8.65	8.24	8.68
295.2240	8.99	8.87	8.54	8.91
295.3385	9.14	8.72	8.60	9.10
295.4529	9.27	8.77	8.74	9.10
295.5673	9.30	9.05	8.77	9.00
295.6818	9.39	9.24	9.10	8.92
295.7962	9.42	9.40	9.14	9.02
295.9106	9.39	9.60	9.16	9.17
296.0250	9.37	9.88	9.18	9.19
296.1395	9.35	10.25	9.39	9.20
296.2539	9.30	10.22	9.50	9.11
296.3683	9.29	10.37	9.61	8.94
296.4828	9.38	10.51	9.52	8.79
296.5972	9.32	10.57	9.60	8.78
296.7116	9.03	10.39	9.58	8.89
296.8260	8.92	10.52	9.56	8.91
296.9405	8.85	10.58	9.36	8.74
297.0549	8.79	10.38	9.28	8.58
297.1693	8.77	10.30	9.11	8.47
297.2837	8.75	10.41	9.07	8.47
297.3982	8.74	10.32	8.73	8.52
297.5126	8.65	10.03	8.60	8.45
297.6270	8.62	9.87	8.45	8.30
297.7415	8.58	9.84	8.35	8.20
297.8559	8.43	9.60	8.03	8.19
297.9703	8.28	9.24	8.20	8.24
298.0847	8.23	9.09	8.08	8.19
298.1992	8.12	8.89	7.90	8.05
298.3136	8.03	8.49	7.77	7.92
298.4280	7.99	8.30	8.02	7.82

298.5425	7.88	8.26	7.96	7.78
298.6569	7.67	7.98	7.88	7.73
298.7713	7.67	7.67	7.85	7.61
298.8857	7.67	7.78	8.10	7.39
299.0002	7.55	7.89	8.13	7.24
299.1146	7.46	7.54	8.18	7.33
299.2290	7.45	7.49	8.23	7.44
299.3435	7.49	7.67	8.46	7.50
299.4579	7.55	7.70	8.59	7.49
299.5723	7.70	7.54	8.79	7.42
299.6867	7.72	7.57	8.85	7.40
299.8012	7.66	7.57	8.86	7.42
299.9156	7.53	7.63	9.07	7.37
300.0300	7.49	7.63	9.40	7.47
300.1444	7.56	7.69	9.37	7.47

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_5\Relazione\L5_G.doc
 HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: LINEA 5 - Portata massima 250 l/s
 Filename = L5_G.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_5\Relazione\L5_G.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

 PUMP at Node 11: Pump Performance Data
 ==========-
 Not available for other pump options

 PUMP at Node 12: Pump Performance Data
 ==========-
 Not available for other pump options

 PUMP at Node 13: Pump Performance Data
 ==========-
 Not available for other pump options

 PUMP at Node 14: Pump Performance Data
 ==========-
 Not available for other pump options

AIRV at Node 46: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 84: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 85: Air Valve Performance Data
==========-
Air Valve

```
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 86: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 87: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 88: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 89: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
```

Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 90: Air Valve Performance Data
==========-
Air Valve
==========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 91: Air Valve Performance Data
==========-
Air Valve
==========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 92: Air Valve Performance Data
==========-
Air Valve
==========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 93: Air Valve Performance Data
==========-
Air Valve
==========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 94: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 95: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 96: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 97: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 98: Air Valve Performance Data
===-
Air Valve
=========

Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 99: Air Valve Performance Data
==========

Air Valve
==========

Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 100: Air Valve Performance Data
==========

Air Valve
==========

Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

6. Comizio irriguo n.6

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_6\Relazione\L6-B.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 6 - Portata massima 100 l/s
Filename = L6-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_6\Relazione\L6-B.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	82.51	12.94	87.51	17.94
1	2	82.36	12.89	87.41	17.94
1	3	82.21	12.84	87.31	17.94
1	4	82.07	12.79	87.22	17.94
1	5	81.92	12.73	87.12	17.93
1	6	81.77	12.68	87.02	17.93
1	7	81.62	12.63	86.92	17.93
1	8	81.47	12.59	86.82	17.94
1	9	81.31	12.54	86.71	17.94
1	10	81.17	12.49	86.62	17.94
2	1	82.51	12.94	87.51	17.94
2	2	82.40	12.92	87.42	17.94
2	3	82.29	12.90	87.32	17.93
2	4	82.17	12.88	87.22	17.93
2	5	82.06	12.86	87.13	17.93
2	6	81.95	12.85	87.03	17.92
2	7	81.84	12.83	86.94	17.93
2	8	81.73	12.82	86.84	17.93
2	9	81.62	12.81	86.75	17.94
2	10	81.51	12.80	86.65	17.94
2	11	81.40	12.78	86.56	17.93
2	12	81.29	12.76	86.46	17.93
2	13	81.17	12.74	86.36	17.93
2	14	81.06	12.72	86.26	17.93
2	15	80.95	12.70	86.17	17.93
2	16	80.83	12.69	86.07	17.93
2	17	80.72	12.68	85.97	17.93
2	18	80.60	12.67	85.87	17.94
2	19	80.48	12.65	85.77	17.94
2	20	80.37	12.63	85.67	17.93
3	1	81.17	12.49	86.62	17.94
3	2	81.06	12.51	86.49	17.94
3	3	80.94	12.52	86.35	17.93
3	4	80.82	12.53	86.22	17.93
3	5	80.71	12.55	86.08	17.92
3	6	80.59	12.56	85.95	17.92
3	7	80.47	12.58	85.81	17.92
3	8	80.36	12.60	85.68	17.92
3	9	80.24	12.63	85.54	17.93
4	1	80.24	12.63	85.54	17.93
4	2	78.97	11.36	85.53	17.92
5	1	78.97	11.36	85.53	17.92
5	2	80.23	12.62	85.53	17.92

6	1	80.23	12.62	85.53	17.92
6	2	80.05	12.57	85.40	17.92
6	3	79.86	12.52	85.26	17.92
6	4	79.68	12.47	85.12	17.92
6	5	79.49	12.42	84.98	17.92
6	6	79.30	12.38	84.84	17.92
6	7	79.12	12.33	84.71	17.92
7	1	79.12	12.33	84.71	17.92
7	2	78.92	12.28	84.56	17.92
7	3	78.73	12.23	84.42	17.92
7	4	78.53	12.18	84.27	17.92
7	5	78.34	12.12	84.13	17.91
7	6	78.14	12.07	83.98	17.91
7	7	77.95	12.02	83.84	17.91
7	8	77.76	11.97	83.70	17.91
7	9	77.56	11.93	83.55	17.92
8	1	77.56	11.93	83.55	17.92
8	2	77.37	11.88	83.41	17.92
8	3	77.17	11.83	83.27	17.92
8	4	76.98	11.77	83.12	17.92
8	5	76.79	11.72	82.98	17.91
8	6	76.61	11.66	82.85	17.91
8	7	76.41	11.61	82.71	17.91
8	8	76.23	11.56	82.58	17.91
8	9	76.04	11.51	82.44	17.91
9	1	76.04	11.51	82.44	17.91
9	2	76.00	11.46	82.45	17.91
10	1	76.00	11.46	82.45	17.91
10	2	76.05	11.52	82.45	17.92
10	3	75.97	11.57	82.31	17.91
10	4	75.88	11.62	82.18	17.91
10	5	75.80	11.66	82.05	17.91
10	6	75.72	11.71	81.91	17.90
10	7	75.64	11.76	81.78	17.90
10	8	75.55	11.81	81.64	17.90
11	1	75.55	11.81	81.64	17.90
11	2	75.47	11.86	81.51	17.90
11	3	75.39	11.92	81.38	17.91
11	4	75.31	11.97	81.25	17.91
11	5	75.23	12.01	81.13	17.91
11	6	75.15	12.06	80.99	17.91
11	7	75.07	12.11	80.86	17.90
11	8	74.99	12.15	80.74	17.90
11	9	74.91	12.20	80.61	17.90
12	1	74.91	12.20	80.61	17.90
12	2	74.89	12.18	80.61	17.90
13	1	74.89	12.18	80.61	17.90
13	2	74.64	12.06	80.48	17.90
13	3	74.38	11.94	80.35	17.91
13	4	74.11	11.81	80.21	17.91
13	5	73.86	11.68	80.08	17.90
13	6	73.60	11.55	79.95	17.90
13	7	73.34	11.43	79.81	17.90
13	8	73.09	11.30	79.68	17.89
13	9	72.83	11.17	79.55	17.89
14	1	72.83	11.17	79.55	17.89
14	2	72.72	11.07	79.55	17.90
15	1	72.72	11.07	79.55	17.90
15	2	73.86	12.20	79.56	17.90
16	1	73.86	12.20	79.56	17.90
16	2	73.68	12.16	79.42	17.91

16	3	73.50	12.11	79.30	17.91
16	4	73.33	12.06	79.17	17.90
16	5	73.15	12.01	79.04	17.90
16	6	72.97	11.95	78.91	17.90
16	7	72.80	11.90	78.79	17.89
17	1	72.80	11.90	78.79	17.89
17	2	72.60	11.86	78.64	17.90
17	3	72.43	11.81	78.52	17.90
17	4	72.25	11.76	78.39	17.90
17	5	72.05	11.71	78.24	17.90
17	6	71.89	11.66	78.13	17.90
17	7	71.70	11.61	77.99	17.90
17	8	71.50	11.56	77.84	17.90
17	9	71.34	11.50	77.73	17.89
18	1	71.34	11.50	77.73	17.89
18	2	71.15	11.45	77.59	17.89
18	3	70.94	11.40	77.43	17.89
18	4	70.76	11.35	77.30	17.89
18	5	70.56	11.31	77.15	17.90
18	6	70.35	11.26	76.99	17.90
18	7	70.18	11.21	76.87	17.90
18	8	69.98	11.16	76.72	17.90
18	9	69.78	11.10	76.57	17.89
19	1	81.17	12.49	86.62	17.94
19	2	80.92	12.38	86.48	17.94
19	3	80.68	12.27	86.35	17.94
20	1	80.68	12.27	86.35	17.94
20	2	80.49	12.22	86.21	17.94
20	3	80.30	12.17	86.07	17.94
20	4	80.12	12.12	85.94	17.94
20	5	79.94	12.07	85.81	17.94
20	6	79.76	12.02	85.68	17.94
20	7	79.58	11.97	85.55	17.94
20	8	79.39	11.92	85.41	17.94
21	1	79.39	11.92	85.41	17.94
21	2	79.20	11.87	85.28	17.94
21	3	79.01	11.82	85.13	17.94
21	4	78.82	11.77	85.00	17.94
21	5	78.63	11.71	84.85	17.94
21	6	78.44	11.66	84.71	17.94
21	7	78.24	11.61	84.57	17.94
21	8	78.05	11.56	84.43	17.94
22	1	78.05	11.56	84.43	17.94
22	2	77.89	11.54	84.29	17.94
22	3	77.72	11.51	84.15	17.94
22	4	77.57	11.49	84.01	17.94
22	5	77.42	11.47	83.89	17.94
23	1	77.42	11.47	83.89	17.94
23	2	77.46	11.52	83.88	17.94
23	3	77.37	11.56	83.75	17.94
23	4	77.27	11.60	83.61	17.94
23	5	77.17	11.65	83.46	17.94
24	1	80.37	12.63	85.67	17.93
24	2	80.19	12.58	85.54	17.93
24	3	80.01	12.52	85.41	17.92
24	4	79.84	12.47	85.28	17.91
24	5	79.66	12.42	85.15	17.91
24	6	79.49	12.38	85.02	17.91
24	7	79.31	12.33	84.90	17.92
24	8	79.13	12.29	84.77	17.92
24	9	78.95	12.24	84.63	17.92

25	1	78.95	12.24	84.63	17.92
25	2	78.76	12.19	84.49	17.92
25	3	78.57	12.13	84.35	17.91
25	4	78.38	12.07	84.21	17.90
25	5	78.19	12.02	84.07	17.90
25	6	78.00	11.97	83.93	17.90
25	7	77.82	11.93	83.80	17.91
25	8	77.63	11.88	83.66	17.91
25	9	77.44	11.84	83.52	17.92
26	1	77.44	11.84	83.52	17.92
26	2	77.25	11.79	83.38	17.92
26	3	77.06	11.73	83.24	17.91
26	4	76.87	11.68	83.10	17.91
26	5	76.68	11.62	82.96	17.90
26	6	76.48	11.57	82.81	17.90
26	7	76.29	11.52	82.67	17.90
26	8	76.10	11.48	82.53	17.91
26	9	75.91	11.43	82.39	17.91
27	1	75.91	11.43	82.39	17.91
27	2	75.73	11.39	82.26	17.92
27	3	75.53	11.33	82.11	17.91
27	4	75.34	11.28	81.97	17.91
27	5	75.15	11.22	81.83	17.90
28	1	75.15	11.22	81.83	17.90
28	2	75.21	11.27	81.84	17.90
28	3	75.11	11.32	81.69	17.90
28	4	75.02	11.37	81.55	17.90
28	5	74.93	11.43	81.41	17.91
29	1	74.93	11.43	81.41	17.91
29	2	74.85	11.48	81.28	17.91
29	3	74.75	11.53	81.13	17.91
29	4	74.66	11.58	80.99	17.91
29	5	74.58	11.62	80.86	17.90
29	6	74.50	11.66	80.73	17.89
29	7	74.42	11.71	80.60	17.89
29	8	74.33	11.76	80.46	17.89
29	9	74.25	11.81	80.33	17.89
30	1	74.25	11.81	80.33	17.89
30	2	74.17	11.86	80.20	17.90
30	3	74.09	11.92	80.07	17.90
30	4	74.01	11.97	79.94	17.91
30	5	73.93	12.01	79.82	17.90
30	6	73.85	12.05	79.69	17.89
30	7	73.77	12.10	79.56	17.89
31	1	73.77	12.10	79.56	17.89
31	2	73.57	12.04	79.42	17.89
31	3	73.37	11.99	79.27	17.89
32	1	73.37	11.99	79.27	17.89
32	2	73.19	11.94	79.14	17.89
32	3	73.00	11.90	79.00	17.90
32	4	72.82	11.85	78.87	17.90
32	5	72.63	11.80	78.73	17.90
32	6	72.46	11.74	78.61	17.89
32	7	72.27	11.69	78.47	17.89
32	8	72.09	11.64	78.34	17.89
32	9	71.90	11.58	78.20	17.88
33	1	71.90	11.58	78.20	17.88
33	2	71.72	11.54	78.07	17.89
33	3	71.53	11.49	77.93	17.89
33	4	71.34	11.45	77.79	17.90
33	5	71.16	11.41	77.66	17.91

33	6	70.97	11.35	77.52	17.90
33	7	70.78	11.30	77.38	17.90
33	8	70.60	11.24	77.25	17.89
33	9	70.42	11.18	77.12	17.88
34	1	70.42	11.18	77.12	17.88
34	2	70.23	11.13	76.98	17.88
34	3	70.04	11.08	76.84	17.88
34	4	69.86	11.04	76.71	17.89
34	5	69.67	11.00	76.57	17.90
34	6	69.49	10.95	76.44	17.90
34	7	69.30	10.90	76.30	17.90
35	1	69.30	10.90	76.30	17.90
35	2	69.35	10.94	76.30	17.89
35	3	69.27	10.98	76.17	17.88
36	1	69.27	10.98	76.17	17.88
36	2	69.18	11.03	76.03	17.88
36	3	69.08	11.08	75.88	17.88
36	4	68.98	11.14	75.73	17.89
36	5	68.88	11.19	75.58	17.89
36	6	68.78	11.25	75.43	17.90
36	7	68.69	11.30	75.29	17.90
36	8	68.59	11.34	75.14	17.89
36	9	68.49	11.38	74.99	17.88
37	1	80.37	12.63	85.67	17.93
37	2	80.05	12.47	85.51	17.93
37	3	79.73	12.31	85.35	17.93
38	1	79.73	12.31	85.35	17.93
38	2	79.69	12.26	85.36	17.93
38	3	79.53	12.21	85.25	17.93
38	4	79.36	12.16	85.13	17.93
38	5	79.18	12.11	85.00	17.93
38	6	79.02	12.07	84.89	17.94
38	7	78.85	12.01	84.77	17.93
38	8	78.67	11.96	84.64	17.93
38	9	78.50	11.91	84.52	17.93
39	1	78.50	11.91	84.52	17.93
39	2	78.33	11.86	84.40	17.93
39	3	78.15	11.81	84.27	17.93
39	4	77.98	11.76	84.15	17.93
39	5	77.81	11.71	84.03	17.93
39	6	77.62	11.67	83.89	17.94
39	7	77.45	11.62	83.77	17.94
39	8	77.28	11.56	83.65	17.93
39	9	77.09	11.51	83.51	17.93
40	1	77.09	11.51	83.51	17.93
40	2	77.09	11.49	83.52	17.92
41	1	77.09	11.49	83.52	17.92
41	2	77.15	11.54	83.53	17.92
41	3	77.07	11.59	83.41	17.93
41	4	76.99	11.64	83.27	17.93
41	5	76.91	11.69	83.15	17.93
41	6	76.84	11.74	83.03	17.94
41	7	76.76	11.79	82.90	17.93
41	8	76.68	11.83	82.78	17.93
41	9	76.61	11.88	82.66	17.93
42	1	76.61	11.88	82.66	17.93
42	2	76.51	11.92	82.51	17.92
42	3	76.41	11.97	82.36	17.92
42	4	76.32	12.03	82.22	17.93
42	5	76.24	12.08	82.09	17.93
42	6	76.14	12.13	81.94	17.93

42	7	76.05	12.19	81.80	17.94
42	8	75.96	12.23	81.66	17.93
42	9	75.86	12.28	81.51	17.93
43	1	78.89	9.23	87.49	17.83
43	2	77.34	7.71	87.49	17.86
44	1	77.34	7.71	87.49	17.86
44	2	80.60	10.98	87.50	17.88
45	1	80.60	10.98	87.50	17.88
45	2	80.62	11.01	87.52	17.91
46	1	80.62	11.01	87.52	17.91
46	2	82.51	12.94	87.51	17.94
101	1	0.00	-0.57	8.20	7.63
101	2	12.32	-4.23	20.92	4.37
102	1	79.16	9.22	87.76	17.82
102	2	78.89	9.23	87.49	17.83
103	1	69.74	11.10	76.53	17.89
103	2	69.74	11.10	76.53	17.89
104	1	69.70	11.10	76.49	17.89
104	2	68.09	9.49	76.49	17.89
105	1	77.13	11.65	83.42	17.94
105	2	77.14	11.65	83.43	17.94
106	1	77.10	11.65	83.39	17.94
106	2	75.44	9.99	83.39	17.94
107	1	68.45	11.38	74.95	17.88
107	2	68.45	11.38	74.95	17.88
108	1	68.41	11.38	74.91	17.88
108	2	66.40	9.36	74.92	17.88
109	1	75.82	12.28	81.47	17.93
109	2	75.82	12.27	81.47	17.92
110	1	75.78	12.27	81.43	17.92
110	2	73.40	9.88	81.44	17.92

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_6\Relazione\L6-B.doc
Date Created: Friday, January 22, 2021 - Time: 7 : 52 PM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 6 - Portata massima 100 l/s

```
    3    1
   19    2   50
   37    2   50
   39    7   80
   100.00   -10.00
 300.0000     0.0944
```

Time	Pipe 19@ 50%	Pipe 37@ 50%	Pipe 39@ 80%
0.0000	76.10	75.49	73.06
0.0944	76.11	75.35	73.07
0.1888	76.13	75.44	72.90
0.2832	76.14	75.45	72.90
0.3776	76.15	75.46	72.90
0.4721	76.15	75.48	72.90
0.5665	76.20	75.49	72.90
0.6609	76.48	75.50	72.90
0.7553	76.65	75.51	72.90
0.8497	76.68	75.49	72.91
0.9441	76.77	75.39	72.98
1.0385	77.01	75.56	72.96
1.1329	77.05	75.83	72.93
1.2273	77.18	75.99	72.90
1.3217	77.35	76.02	72.87
1.4162	77.38	76.19	72.84
1.5106	77.42	76.37	72.80
1.6050	77.55	76.41	72.77
1.6994	77.53	76.54	72.88
1.7938	77.57	76.72	72.92
1.8882	77.74	76.66	73.16
1.9826	77.79	76.79	73.21
2.0770	77.83	76.94	73.37
2.1714	77.95	76.97	73.38
2.2659	78.01	77.03	73.46
2.3603	77.96	77.13	73.48
2.4547	78.08	77.17	73.67
2.5491	78.15	77.21	73.68
2.6435	78.16	77.33	73.79
2.7379	78.17	77.37	73.86
2.8323	78.19	77.36	73.95
2.9267	78.23	77.43	74.00
3.0211	78.34	77.44	74.14
3.1156	78.43	77.43	74.18
3.2100	78.43	77.48	74.25
3.3044	78.53	77.55	74.29
3.3988	78.74	77.49	74.36
3.4932	78.68	77.54	74.38
3.5876	78.79	77.64	74.45
3.6820	78.96	77.63	74.49
3.7764	78.93	77.65	74.54
3.8708	78.97	77.71	74.61
3.9652	79.09	77.71	74.69
4.0597	79.05	77.70	74.78
4.1541	79.09	77.69	74.79
4.2485	79.25	77.70	74.93
4.3429	79.23	77.69	74.99
4.4373	79.23	77.79	75.15

4.5317	79.32	77.87	75.21
4.6261	79.35	77.86	75.34
4.7205	79.24	77.92	75.42
4.8149	79.38	78.05	75.50
4.9094	79.41	78.12	75.53
5.0038	79.38	78.14	75.65
5.0982	79.38	78.34	75.71
5.1926	79.44	78.41	75.82
5.2870	79.44	78.34	75.87
5.3814	79.46	78.51	75.94
5.4758	79.47	78.56	76.01
5.5702	79.44	78.54	76.11
5.6646	79.44	78.64	76.13
5.7591	79.46	78.72	76.21
5.8535	79.40	78.73	76.25
5.9479	79.44	78.78	76.26
6.0423	79.47	78.87	76.32
6.1367	79.42	78.84	76.27
6.2311	79.43	78.87	76.30
6.3255	79.47	78.96	76.33
6.4199	79.44	78.93	76.36
6.5143	79.48	78.94	76.36
6.6087	79.53	79.00	76.39
6.7032	79.46	79.04	76.40
6.7976	79.50	78.98	76.37
6.8920	79.54	79.06	76.36
6.9864	79.53	79.09	76.39
7.0808	79.49	79.05	76.39
7.1752	79.58	79.09	76.44
7.2696	79.54	79.10	76.45
7.3640	79.54	79.07	76.46
7.4584	79.58	79.06	76.48
7.5529	79.60	79.04	76.51
7.6473	79.58	79.04	76.53
7.7417	79.59	79.04	76.55
7.8361	79.56	79.07	76.56
7.9305	79.55	79.05	76.53
8.0249	79.57	79.00	76.50
8.1193	79.58	79.04	76.45
8.2137	79.57	79.07	76.41
8.3081	79.61	79.01	76.39
8.4026	79.63	79.02	76.41
8.4970	79.63	79.04	76.37
8.5914	79.67	78.96	76.37
8.6858	79.69	78.95	76.33
8.7802	79.71	79.01	76.29
8.8746	79.74	78.93	76.25
8.9690	79.76	78.94	76.24
9.0634	79.74	78.99	76.20
9.1578	79.82	78.96	76.20
9.2522	79.84	78.94	76.14
9.3467	79.83	78.97	76.13
9.4411	79.89	78.95	76.11
9.5355	79.96	78.90	76.10
9.6299	79.96	78.95	76.13
9.7243	80.03	78.97	76.12
9.8187	80.05	78.96	76.11
9.9131	80.07	78.99	76.10
10.0075	80.09	79.01	76.07
10.1019	80.12	79.00	76.05
10.1964	80.12	79.01	76.03

10.2908	80.14	79.05	76.03
10.3852	80.16	79.04	76.03
10.4796	80.17	79.04	76.04
10.5740	80.16	79.08	76.05
10.6684	80.21	79.04	76.02
10.7628	80.22	79.07	76.02
10.8572	80.23	79.10	76.01
10.9516	80.25	79.11	75.99
11.0460	80.25	79.14	75.98
11.1405	80.26	79.17	75.98
11.2349	80.28	79.16	75.97
11.3293	80.28	79.16	75.98
11.4237	80.27	79.18	75.98
11.5181	80.32	79.17	76.02
11.6125	80.31	79.15	76.06
11.7069	80.30	79.15	76.11
11.8013	80.34	79.17	76.14
11.8957	80.36	79.12	76.15
11.9902	80.34	79.14	76.17
12.0846	80.37	79.17	76.19
12.1790	80.36	79.17	76.20
12.2734	80.36	79.19	76.22
12.3678	80.36	79.25	76.26
12.4622	80.38	79.25	76.29
12.5566	80.36	79.29	76.31
12.6510	80.37	79.33	76.33
12.7454	80.37	79.33	76.38
12.8399	80.36	79.36	76.41
12.9343	80.35	79.42	76.43
13.0287	80.37	79.44	76.47
13.1231	80.34	79.45	76.48
13.2175	80.33	79.50	76.54
13.3119	80.33	79.53	76.59
13.4063	80.31	79.55	76.62
13.5007	80.31	79.60	76.68
13.5951	80.32	79.63	76.74
13.6895	80.34	79.65	76.80
13.7840	80.35	79.69	76.84
13.8784	80.41	79.70	76.88
13.9728	80.40	79.73	76.90
14.0672	80.42	79.74	76.94
14.1616	80.45	79.80	76.98
14.2560	80.46	79.80	77.02
14.3504	80.47	79.81	77.06
14.4448	80.50	79.86	77.10
14.5392	80.50	79.87	77.11
14.6337	80.52	79.85	77.13
14.7281	80.54	79.89	77.17
14.8225	80.56	79.89	77.20
14.9169	80.56	79.87	77.22
15.0113	80.58	79.90	77.23
15.1057	80.60	79.93	77.23
15.2001	80.60	79.91	77.26
15.2945	80.61	79.91	77.28
15.3889	80.62	79.95	77.29
15.4834	80.62	79.95	77.30
15.5778	80.64	79.94	77.33
15.6722	80.64	79.98	77.36
15.7666	80.64	79.97	77.37
15.8610	80.66	79.95	77.37
15.9554	80.67	79.99	77.38

16.0498	80.67	80.01	77.39
16.1442	80.70	79.98	77.42
16.2386	80.73	80.01	77.43
16.3330	80.69	80.03	77.44
16.4275	80.72	80.00	77.45
16.5219	80.74	80.00	77.44
16.6163	80.73	80.03	77.43
16.7107	80.75	80.00	77.43
16.8051	80.78	80.00	77.43
16.8995	80.77	80.02	77.42
16.9939	80.78	79.99	77.41
17.0883	80.81	79.99	77.37
17.1827	80.81	79.99	77.35
17.2772	80.81	79.97	77.35
17.3716	80.84	79.96	77.32
17.4660	80.85	79.98	77.30
17.5604	80.83	80.00	77.27
17.6548	80.87	79.98	77.25
17.7492	80.89	79.98	77.22
17.8436	80.88	80.00	77.20
17.9380	80.90	79.98	77.17
18.0324	80.90	79.98	77.16
18.1268	80.89	80.01	77.15
18.2213	80.90	80.00	77.14
18.3157	80.91	80.00	77.13
18.4101	80.91	80.02	77.13
18.5045	80.92	80.03	77.12
18.5989	80.91	80.01	77.12
18.6933	80.88	80.03	77.11
18.7877	80.90	80.04	77.10
18.8821	80.91	80.03	77.11
18.9765	80.90	80.03	77.11
19.0710	80.88	80.05	77.09
19.1654	80.88	80.03	77.08
19.2598	80.87	80.02	77.09
19.3542	80.86	80.04	77.08
19.4486	80.86	80.02	77.07
19.5430	80.84	80.00	77.07
19.6374	80.83	80.02	77.04
19.7318	80.84	80.00	77.03
19.8262	80.83	79.98	77.02
19.9207	80.81	79.99	77.00
20.0151	80.83	79.99	77.00
20.1095	80.82	79.95	77.01
20.2039	80.80	79.96	77.00
20.2983	80.79	79.94	77.01
20.3927	80.79	79.91	77.02
20.4871	80.77	79.89	77.03
20.5815	80.76	79.88	77.04
20.6759	80.75	79.86	77.04
20.7703	79.64	79.85	77.05
20.8648	77.54	79.85	77.06
20.9592	76.06	79.85	77.08
21.0536	75.10	79.84	77.08
21.1480	73.97	79.85	77.10
21.2424	72.80	78.75	77.09
21.3368	71.36	76.73	77.10
21.4312	69.36	75.38	77.10
21.5256	67.68	74.48	77.11
21.6200	66.65	73.35	77.10
21.7145	65.50	72.24	77.11

21.8089	64.11	70.85	77.11
21.9033	62.74	68.89	76.60
21.9977	61.12	67.35	75.19
22.0921	59.59	66.41	73.65
22.1865	58.61	65.21	72.55
22.2809	57.58	63.81	71.61
22.3753	56.20	62.47	70.58
22.4697	54.87	60.86	69.42
22.5642	53.65	59.37	67.85
22.6586	52.40	58.43	66.23
22.7530	51.43	57.37	65.03
22.8474	50.59	55.86	64.00
22.9418	49.34	54.56	62.79
23.0362	48.05	53.40	61.47
23.1306	46.11	52.12	60.04
23.2250	44.38	51.16	58.53
23.3194	43.65	50.25	57.36
23.4138	43.91	48.95	56.35
23.5083	45.17	47.70	55.11
23.6027	46.01	46.75	53.74
23.6971	45.69	45.64	52.46
23.7915	44.95	44.62	51.20
23.8859	44.27	44.91	49.62
23.9803	43.20	46.35	47.41
24.0747	42.05	47.36	45.84
24.1691	41.91	47.33	44.28
24.2635	42.61	46.96	42.88
24.3580	42.99	46.40	41.52
24.4524	42.87	45.36	40.15
24.5468	42.76	43.94	39.10
24.6412	42.38	42.52	39.59
24.7356	41.38	42.49	40.63
24.8300	40.37	43.21	40.98
24.9244	40.10	43.06	40.31
25.0188	40.32	42.70	39.56
25.1132	40.50	42.13	38.41
25.2077	40.48	40.91	36.74
25.3021	40.39	39.52	35.06
25.3965	40.16	39.09	35.26
25.4909	39.51	39.32	36.25
25.5853	38.86	39.26	36.43
25.6797	38.70	38.93	36.11
25.7741	39.03	38.66	35.67
25.8685	39.43	38.16	34.86
25.9629	39.59	37.36	33.72
26.0573	39.33	36.52	32.85
26.1518	38.83	35.97	32.76
26.2462	38.27	35.67	32.91
26.3406	37.56	35.48	32.82
26.4350	37.19	35.26	32.61
26.5294	37.19	35.18	32.55
26.6238	37.12	35.01	32.70
26.7182	36.93	34.33	32.61
26.8126	36.86	33.43	32.30
26.9070	36.77	32.91	32.12
27.0015	36.36	32.67	32.17
27.0959	35.82	32.39	32.10
27.1903	35.47	32.39	31.93
27.2847	35.27	33.04	31.81
27.3791	35.05	33.67	31.82
27.4735	34.87	33.59	31.71

27.5679	34.78	33.17	31.43
27.6623	34.66	32.91	31.38
27.7567	34.42	32.60	31.40
27.8511	34.05	32.17	31.36
27.9456	33.75	31.93	31.53
28.0400	33.55	32.21	31.90
28.1344	33.30	32.72	31.92
28.2288	32.95	32.83	31.60
28.3232	32.72	32.70	31.29
28.4176	32.50	32.62	31.18
28.5120	32.17	32.36	30.99
28.6064	31.53	31.93	30.90
28.7008	31.00	31.72	31.08
28.7953	30.96	31.88	31.39
28.8897	30.87	32.03	31.34
28.9841	30.56	31.62	31.17
29.0785	30.25	31.41	31.09
29.1729	29.97	31.29	31.02
29.2673	29.60	31.08	30.85
29.3617	29.19	30.72	30.70
29.4561	28.98	30.41	30.67
29.5505	28.98	30.23	30.70
29.6450	28.89	30.02	30.45
29.7394	28.58	29.86	30.09
29.8338	28.25	29.77	29.95
29.9282	27.92	29.32	29.91
30.0226	27.60	28.64	29.81
30.1170	27.30	28.07	29.56
30.2114	27.11	27.57	29.32
30.3058	26.69	27.21	29.08
30.4002	26.34	26.88	28.82
30.4946	25.96	26.52	28.60
30.5891	25.62	26.25	28.29
30.6835	25.34	26.14	27.70
30.7779	24.92	25.89	27.32
30.8723	24.51	25.38	26.88
30.9667	24.09	24.97	26.52
31.0611	23.79	24.59	26.19
31.1555	23.62	24.11	25.78
31.2499	23.48	23.66	25.38
31.3443	23.39	23.51	25.09
31.4388	23.29	23.38	24.84
31.5332	22.96	23.12	24.45
31.6276	22.61	22.91	24.03
31.7220	22.41	22.89	23.63
31.8164	22.25	22.79	23.20
31.9108	22.01	22.55	22.72
32.0052	21.82	22.28	22.37
32.0996	21.71	22.10	22.11
32.1940	21.54	21.90	21.79
32.2885	21.30	21.58	21.45
32.3829	21.11	21.11	21.32
32.4773	20.90	20.91	21.26
32.5717	20.71	20.89	21.05
32.6661	20.44	20.88	20.62
32.7605	20.29	20.80	20.29
32.8549	20.14	20.67	19.97
32.9493	20.06	20.46	19.57
33.0437	20.09	20.19	19.11
33.1381	20.09	20.01	18.76
33.2326	20.02	19.93	18.63

33.3270	19.92	19.73	18.60
33.4214	19.86	19.50	18.54
33.5158	19.78	19.35	18.41
33.6102	19.64	19.21	18.18
33.7046	19.52	19.06	17.90
33.7990	19.41	18.91	17.61
33.8934	19.24	18.79	17.41
33.9878	19.06	18.73	17.27
34.0823	18.94	18.59	17.16
34.1767	18.83	18.37	17.07
34.2711	18.68	18.12	16.96
34.3655	18.52	17.94	16.91
34.4599	18.35	17.76	16.85
34.5543	18.20	17.53	16.78
34.6487	18.08	17.39	16.73
34.7431	17.90	17.38	16.67
34.8375	17.67	17.31	16.51
34.9320	17.57	17.18	16.28
35.0264	17.50	17.15	16.07
35.1208	17.42	17.17	15.91
35.2152	17.29	17.06	15.81
35.3096	17.17	16.89	15.75
35.4040	17.02	16.84	15.79
35.4984	16.84	16.85	15.81
35.5928	16.69	16.80	15.77
35.6872	16.61	16.67	15.69
35.7816	16.58	16.51	15.67
35.8761	16.54	16.41	15.60
35.9705	16.43	16.33	15.47
36.0649	16.29	16.25	15.39
36.1593	16.14	16.21	15.44
36.2537	15.96	16.22	15.48
36.3481	15.84	16.21	15.48
36.4425	15.83	16.15	15.40
36.5369	15.92	16.10	15.35
36.6313	15.99	16.03	15.28
36.7258	16.02	15.95	15.19
36.8202	16.01	15.87	15.07
36.9146	15.95	15.87	15.02
37.0090	15.85	15.92	15.03
37.1034	15.73	15.98	15.04
37.1978	15.61	16.04	15.00
37.2922	15.60	16.07	14.96
37.3866	15.65	16.05	14.91
37.4810	15.70	15.94	14.85
37.5754	15.73	15.80	14.80
37.6699	15.71	15.65	14.81
37.7643	15.62	15.59	14.90
37.8587	15.52	15.63	14.96
37.9531	15.47	15.67	14.98
38.0475	15.49	15.72	14.98
38.1419	15.47	15.73	14.92
38.2363	15.47	15.68	14.84
38.3307	15.48	15.60	14.72
38.4251	15.47	15.58	14.62
38.5196	15.44	15.55	14.65
38.6140	15.39	15.49	14.68
38.7084	15.37	15.48	14.73
38.8028	15.37	15.53	14.74
38.8972	15.39	15.55	14.71
38.9916	15.35	15.53	14.66

39.0860	15.28	15.47	14.62
39.1804	15.23	15.40	14.59
39.2748	15.17	15.35	14.52
39.3693	15.09	15.29	14.51
39.4637	15.03	15.18	14.53
39.5581	14.98	15.14	14.54
39.6525	14.97	15.14	14.54
39.7469	14.97	15.11	14.53
39.8413	14.98	15.05	14.50
39.9357	14.96	15.00	14.47
40.0301	14.90	14.94	14.44
40.1245	14.84	14.84	14.35
40.2189	14.80	14.79	14.27
40.3134	14.78	14.81	14.22
40.4078	14.78	14.84	14.18
40.5022	14.75	14.85	14.14
40.5966	14.72	14.85	14.10
40.6910	14.66	14.82	14.07
40.7854	14.61	14.78	14.03
40.8798	14.58	14.71	13.96
40.9742	14.58	14.64	13.94
41.0686	14.57	14.57	13.94
41.1631	14.56	14.56	13.94
41.2575	14.53	14.57	13.90
41.3519	14.48	14.57	13.87
41.4463	14.40	14.57	13.84
41.5407	14.32	14.56	13.81
41.6351	14.29	14.51	13.77
41.7295	14.30	14.46	13.72
41.8239	14.32	14.42	13.68
41.9183	14.32	14.38	13.67
42.0128	14.32	14.33	13.64
42.1072	14.29	14.34	13.60
42.2016	14.26	14.37	13.57
42.2960	14.22	14.38	13.55
42.3904	14.18	14.37	13.51
42.4848	14.14	14.34	13.46
42.5792	14.11	14.31	13.41
42.6736	14.09	14.28	13.36
42.7680	14.07	14.23	13.33
42.8624	14.04	14.18	13.32
42.9569	14.01	14.15	13.33
43.0513	13.98	14.14	13.35
43.1457	13.94	14.11	13.34
43.2401	13.91	14.07	13.31
43.3345	13.90	14.03	13.29
43.4289	13.88	13.99	13.25
43.5233	13.85	13.94	13.20
43.6177	13.81	13.91	13.16
43.7121	13.78	13.91	13.13
43.8066	13.75	13.90	13.12
43.9010	13.72	13.87	13.10
43.9954	13.71	13.83	13.07
44.0898	13.70	13.79	13.04
44.1842	13.69	13.75	13.01
44.2786	13.66	13.72	12.98
44.3730	13.62	13.68	12.95
44.4674	13.59	13.64	12.94
44.5618	13.57	13.64	12.91
44.6562	13.54	13.63	12.87
44.7507	13.52	13.61	12.83

44.8451	13.50	13.59	12.81
44.9395	13.47	13.57	12.79
45.0339	13.44	13.53	12.77
45.1283	13.41	13.50	12.74
45.2227	13.39	13.47	12.72
45.3171	13.37	13.46	12.71
45.4115	13.35	13.45	12.69
45.5059	13.34	13.46	12.66
45.6004	13.33	13.46	12.64
45.6948	13.33	13.45	12.61
45.7892	13.30	13.43	12.58
45.8836	13.28	13.40	12.55
45.9780	13.26	13.40	12.53
46.0724	13.24	13.40	12.53
46.1668	13.22	13.40	12.53
46.2612	13.22	13.38	12.52
46.3556	13.22	13.37	12.51
46.4501	13.23	13.35	12.49
46.5445	13.23	13.33	12.46
46.6389	13.22	13.30	12.44
46.7333	13.20	13.29	12.44
46.8277	13.17	13.29	12.44
46.9221	13.15	13.29	12.43
47.0165	13.15	13.29	12.41
47.1109	13.15	13.29	12.40
47.2053	13.16	13.29	12.38
47.2997	13.16	13.26	12.36
47.3942	13.16	13.23	12.34
47.4886	13.16	13.21	12.34
47.5830	13.15	13.20	12.34
47.6774	13.13	13.20	12.34
47.7718	13.12	13.20	12.34
47.8662	13.11	13.22	12.34
47.9606	13.11	13.24	12.33
48.0550	13.12	13.23	12.31
48.1494	13.12	13.20	12.29
48.2439	13.12	13.17	12.28
48.3383	13.12	13.15	12.28
48.4327	13.10	13.14	12.28
48.5271	13.09	13.14	12.29
48.6215	13.07	13.14	12.31
48.7159	13.06	13.15	12.32
48.8103	13.05	13.15	12.31
48.9047	13.05	13.14	12.28
48.9991	13.05	13.13	12.26
49.0936	13.05	13.11	12.25
49.1880	13.04	13.10	12.24
49.2824	13.03	13.09	12.25
49.3768	13.02	13.10	12.25
49.4712	13.01	13.11	12.26
49.5656	13.00	13.12	12.26
49.6600	13.00	13.12	12.25
49.7544	13.01	13.11	12.24
49.8488	13.01	13.09	12.23
49.9432	13.01	13.07	12.22
50.0377	13.00	13.06	12.22
50.1321	12.99	13.07	12.22
50.2265	12.98	13.08	12.23
50.3209	12.97	13.09	12.23
50.4153	12.98	13.09	12.23
50.5097	12.98	13.09	12.23

50.6041	12.98	13.07	12.22
50.6985	12.97	13.05	12.21
50.7929	12.97	13.04	12.21
50.8874	12.97	13.03	12.21
50.9818	12.96	13.04	12.21
51.0762	12.96	13.04	12.21
51.1706	12.95	13.05	12.21
51.2650	12.95	13.07	12.20
51.3594	12.95	13.07	12.19
51.4538	12.95	13.06	12.18
51.5482	12.95	13.04	12.17
51.6426	12.95	13.03	12.17
51.7371	12.95	13.02	12.17
51.8315	12.94	13.02	12.18
51.9259	12.94	13.03	12.18
52.0203	12.93	13.04	12.19
52.1147	12.93	13.04	12.18
52.2091	12.92	13.03	12.18
52.3035	12.91	13.03	12.17
52.3979	12.91	13.02	12.16
52.4923	12.90	13.01	12.16
52.5867	12.90	13.00	12.16
52.6812	12.90	12.99	12.16
52.7756	12.90	13.00	12.16
52.8700	12.90	13.00	12.16
52.9644	12.89	13.00	12.16
53.0588	12.88	12.99	12.16
53.1532	12.88	12.99	12.15
53.2476	12.87	12.98	12.14
53.3420	12.87	12.97	12.13
53.4364	12.87	12.97	12.12
53.5309	12.87	12.97	12.12
53.6253	12.86	12.97	12.12
53.7197	12.86	12.97	12.12
53.8141	12.86	12.97	12.12
53.9085	12.85	12.96	12.11
54.0029	12.85	12.95	12.11
54.0973	12.85	12.94	12.10
54.1917	12.84	12.93	12.10
54.2861	12.84	12.93	12.10
54.3805	12.84	12.93	12.09
54.4750	12.83	12.92	12.09
54.5694	12.83	12.93	12.09
54.6638	12.82	12.93	12.09
54.7582	12.82	12.93	12.08
54.8526	12.82	12.92	12.07
54.9470	12.82	12.91	12.07
55.0414	12.82	12.91	12.06
55.1358	12.81	12.89	12.06
55.2302	12.81	12.88	12.05
55.3247	12.81	12.88	12.06
55.4191	12.80	12.89	12.05
55.5135	12.80	12.90	12.05
55.6079	12.80	12.90	12.04
55.7023	12.79	12.89	12.04
55.7967	12.79	12.88	12.03
55.8911	12.79	12.87	12.01
55.9855	12.78	12.86	12.01
56.0799	12.78	12.85	12.01
56.1744	12.78	12.86	12.02
56.2688	12.78	12.85	12.02

56.3632	12.78	12.85	12.02
56.4576	12.76	12.85	12.01
56.5520	12.75	12.85	12.00
56.6464	12.75	12.85	11.99
56.7408	12.75	12.84	11.98
56.8352	12.75	12.83	11.98
56.9296	12.76	12.83	11.98
57.0240	12.76	12.83	11.98
57.1185	12.75	12.83	11.98
57.2129	12.75	12.83	11.98
57.3073	12.74	12.83	11.98
57.4017	12.73	12.82	11.97
57.4961	12.73	12.81	11.96
57.5905	12.72	12.81	11.96
57.6849	12.72	12.81	11.96
57.7793	12.72	12.80	11.96
57.8737	12.72	12.80	11.95
57.9682	12.72	12.80	11.95
58.0626	12.72	12.80	11.95
58.1570	12.71	12.79	11.94
58.2514	12.70	12.78	11.94
58.3458	12.70	12.78	11.94
58.4402	12.69	12.78	11.93
58.5346	12.70	12.78	11.93
58.6290	12.70	12.78	11.93
58.7234	12.70	12.79	11.92
58.8179	12.70	12.80	11.92
58.9123	12.69	12.79	11.91
59.0067	12.68	12.78	11.91
59.1011	12.67	12.78	11.90
59.1955	12.67	12.78	11.91
59.2899	12.67	12.78	11.91
59.3843	12.67	12.78	11.92
59.4787	12.67	12.78	11.92
59.5731	12.67	12.79	11.92
59.6675	12.67	12.78	11.91
59.7620	12.66	12.77	11.91
59.8564	12.66	12.77	11.91
59.9508	12.66	12.77	11.91
60.0452	12.65	12.77	11.91
60.1396	12.65	12.77	11.91
60.2340	12.65	12.77	11.92
60.3284	12.65	12.77	11.91
60.4228	12.66	12.77	11.91
60.5172	12.66	12.76	11.90
60.6117	12.66	12.76	11.90
60.7061	12.66	12.76	11.90
60.8005	12.66	12.75	11.90
60.8949	12.65	12.75	11.90
60.9893	12.65	12.76	11.90
61.0837	12.65	12.76	11.90
61.1781	12.65	12.76	11.90
61.2725	12.65	12.76	11.89
61.3669	12.65	12.75	11.89
61.4614	12.65	12.74	11.89
61.5558	12.65	12.73	11.89
61.6502	12.64	12.73	11.89
61.7446	12.64	12.73	11.90
61.8390	12.64	12.74	11.90
61.9334	12.64	12.75	11.90
62.0278	12.64	12.75	11.89

62.1222	12.64	12.75	11.89
62.2166	12.64	12.74	11.88
62.3110	12.63	12.73	11.87
62.4055	12.63	12.73	11.87
62.4999	12.63	12.73	11.88
62.5943	12.63	12.73	11.88
62.6887	12.63	12.73	11.89
62.7831	12.63	12.73	11.89
62.8775	12.62	12.74	11.88
62.9719	12.62	12.74	11.88
63.0663	12.62	12.74	11.87
63.1607	12.62	12.73	11.86
63.2552	12.62	12.72	11.87
63.3496	12.62	12.72	11.87
63.4440	12.61	12.72	11.87
63.5384	12.61	12.72	11.87
63.6328	12.61	12.73	11.88
63.7272	12.61	12.74	11.88
63.8216	12.61	12.73	11.87
63.9160	12.61	12.72	11.86
64.0104	12.61	12.72	11.86
64.1048	12.61	12.71	11.85
64.1993	12.61	12.71	11.85
64.2937	12.61	12.72	11.86
64.3881	12.61	12.73	11.87
64.4825	12.60	12.73	11.87
64.5769	12.60	12.73	11.87
64.6713	12.60	12.72	11.86
64.7657	12.60	12.72	11.86
64.8601	12.60	12.71	11.85
64.9545	12.60	12.70	11.85
65.0490	12.60	12.70	11.85
65.1434	12.60	12.70	11.86
65.2378	12.59	12.71	11.86
65.3322	12.59	12.72	11.86
65.4266	12.59	12.72	11.85
65.5210	12.59	12.72	11.85
65.6154	12.59	12.70	11.84
65.7098	12.58	12.69	11.84
65.8042	12.58	12.69	11.84
65.8987	12.59	12.69	11.84
65.9931	12.59	12.70	11.85
66.0875	12.59	12.70	11.85
66.1819	12.59	12.71	11.85
66.2763	12.58	12.71	11.85
66.3707	12.58	12.70	11.84
66.4651	12.57	12.68	11.83
66.5595	12.57	12.68	11.83
66.6539	12.57	12.67	11.83
66.7483	12.57	12.67	11.84
66.8428	12.58	12.67	11.84
66.9372	12.58	12.68	11.84
67.0316	12.57	12.68	11.84
67.1260	12.57	12.68	11.83
67.2204	12.57	12.67	11.82
67.3148	12.56	12.66	11.81
67.4092	12.56	12.66	11.81
67.5036	12.56	12.66	11.81
67.5980	12.56	12.66	11.81
67.6925	12.56	12.66	11.81
67.7869	12.56	12.67	11.81

67.8813	12.56	12.67	11.81
67.9757	12.56	12.66	11.80
68.0701	12.56	12.65	11.80
68.1645	12.55	12.64	11.80
68.2589	12.55	12.64	11.80
68.3533	12.55	12.64	11.80
68.4477	12.55	12.65	11.80
68.5422	12.55	12.65	11.80
68.6366	12.55	12.65	11.80
68.7310	12.55	12.65	11.79
68.8254	12.55	12.64	11.78
68.9198	12.54	12.64	11.78
69.0142	12.54	12.63	11.78
69.1086	12.54	12.63	11.78
69.2030	12.54	12.63	11.78
69.2974	12.54	12.64	11.78
69.3918	12.54	12.64	11.78
69.4863	12.54	12.64	11.77
69.5807	12.54	12.64	11.77
69.6751	12.54	12.64	11.76
69.7695	12.54	12.63	11.76
69.8639	12.53	12.63	11.76
69.9583	12.53	12.63	11.77
70.0527	12.53	12.63	11.77
70.1471	12.54	12.64	11.77
70.2415	12.54	12.64	11.77
70.3360	12.54	12.63	11.77
70.4304	12.53	12.63	11.76
70.5248	12.53	12.62	11.76
70.6192	12.53	12.62	11.76
70.7136	12.52	12.62	11.76
70.8080	12.52	12.62	11.77
70.9024	12.53	12.62	11.77
70.9968	12.53	12.63	11.76
71.0912	12.53	12.63	11.76
71.1856	12.53	12.63	11.76
71.2801	12.53	12.62	11.76
71.3745	12.53	12.61	11.75
71.4689	12.53	12.61	11.75
71.5633	12.52	12.61	11.76
71.6577	12.52	12.61	11.76
71.7521	12.52	12.62	11.76
71.8465	12.52	12.62	11.76
71.9409	12.52	12.62	11.75
72.0353	12.52	12.61	11.75
72.1298	12.53	12.61	11.74
72.2242	12.53	12.60	11.75
72.3186	12.53	12.60	11.75
72.4130	12.52	12.60	11.75
72.5074	12.52	12.60	11.75
72.6018	12.52	12.61	11.76
72.6962	12.52	12.61	11.75
72.7906	12.52	12.61	11.75
72.8850	12.52	12.61	11.75
72.9795	12.52	12.61	11.74
73.0739	12.52	12.60	11.74
73.1683	12.52	12.60	11.74
73.2627	12.52	12.60	11.74
73.3571	12.52	12.60	11.75
73.4515	12.52	12.61	11.75
73.5459	12.52	12.61	11.75

73.6403	12.52	12.61	11.75
73.7347	12.52	12.61	11.75
73.8291	12.52	12.60	11.74
73.9236	12.52	12.59	11.74
74.0180	12.51	12.59	11.74
74.1124	12.51	12.60	11.74
74.2068	12.51	12.61	11.75
74.3012	12.51	12.61	11.75
74.3956	12.51	12.61	11.75
74.4900	12.51	12.61	11.74
74.5844	12.51	12.61	11.74
74.6788	12.51	12.60	11.73
74.7733	12.51	12.59	11.73
74.8677	12.51	12.60	11.74
74.9621	12.51	12.60	11.74
75.0565	12.51	12.61	11.75
75.1509	12.51	12.61	11.75
75.2453	12.51	12.62	11.75
75.3397	12.51	12.61	11.74
75.4341	12.51	12.60	11.74
75.5285	12.51	12.60	11.74
75.6230	12.51	12.59	11.74
75.7174	12.51	12.59	11.74
75.8118	12.51	12.60	11.75
75.9062	12.51	12.61	11.75
76.0006	12.50	12.61	11.75
76.0950	12.50	12.61	11.75
76.1894	12.50	12.61	11.74
76.2838	12.50	12.60	11.74
76.3782	12.50	12.60	11.74
76.4726	12.50	12.59	11.74
76.5671	12.50	12.59	11.74
76.6615	12.50	12.60	11.75
76.7559	12.50	12.61	11.75
76.8503	12.50	12.61	11.75
76.9447	12.50	12.61	11.74
77.0391	12.50	12.60	11.74
77.1335	12.49	12.60	11.74
77.2279	12.49	12.59	11.74
77.3223	12.49	12.59	11.74
77.4168	12.49	12.59	11.74
77.5112	12.49	12.60	11.75
77.6056	12.49	12.60	11.75
77.7000	12.49	12.60	11.75
77.7944	12.49	12.60	11.74
77.8888	12.49	12.59	11.74
77.9832	12.48	12.59	11.74
78.0776	12.48	12.58	11.73
78.1720	12.49	12.58	11.74
78.2665	12.49	12.59	11.74
78.3609	12.49	12.60	11.74
78.4553	12.49	12.60	11.74
78.5497	12.49	12.60	11.73
78.6441	12.49	12.59	11.73
78.7385	12.48	12.59	11.73
78.8329	12.48	12.58	11.73
78.9273	12.48	12.58	11.73
79.0217	12.48	12.58	11.73
79.1161	12.48	12.59	11.73
79.2106	12.49	12.59	11.73
79.3050	12.48	12.60	11.73

79.3994	12.48	12.59	11.73
79.4938	12.48	12.59	11.73
79.5882	12.48	12.58	11.72
79.6826	12.48	12.58	11.72
79.7770	12.48	12.58	11.73
79.8714	12.47	12.58	11.73
79.9658	12.47	12.58	11.73
80.0603	12.47	12.59	11.73
80.1547	12.47	12.59	11.73
80.2491	12.47	12.59	11.72
80.3435	12.47	12.58	11.72
80.4379	12.47	12.58	11.72
80.5323	12.47	12.58	11.72
80.6267	12.47	12.58	11.72
80.7211	12.47	12.58	11.72
80.8155	12.47	12.58	11.72
80.9099	12.47	12.59	11.72
81.0044	12.47	12.59	11.72
81.0988	12.47	12.58	11.72
81.1932	12.46	12.58	11.72
81.2876	12.46	12.58	11.72
81.3820	12.46	12.57	11.72
81.4764	12.46	12.57	11.72
81.5708	12.46	12.58	11.72
81.6652	12.46	12.58	11.72
81.7596	12.46	12.59	11.72
81.8541	12.46	12.58	11.72
81.9485	12.46	12.58	11.72
82.0429	12.47	12.57	11.71
82.1373	12.46	12.57	11.71
82.2317	12.46	12.56	11.71
82.3261	12.46	12.57	11.71
82.4205	12.46	12.58	11.72
82.5149	12.47	12.58	11.72
82.6093	12.47	12.58	11.72
82.7038	12.46	12.58	11.71
82.7982	12.46	12.57	11.71
82.8926	12.46	12.57	11.71
82.9870	12.46	12.56	11.71
83.0814	12.46	12.56	11.71
83.1758	12.46	12.56	11.71
83.2702	12.46	12.57	11.71
83.3646	12.46	12.58	11.71
83.4590	12.46	12.58	11.71
83.5534	12.46	12.57	11.71
83.6479	12.46	12.57	11.71
83.7423	12.46	12.56	11.70
83.8367	12.46	12.56	11.70
83.9311	12.46	12.56	11.71
84.0255	12.46	12.56	11.71
84.1199	12.46	12.57	11.71
84.2143	12.47	12.58	11.71
84.3087	12.47	12.58	11.71
84.4031	12.47	12.57	11.71
84.4976	12.46	12.56	11.70
84.5920	12.46	12.55	11.70
84.6864	12.46	12.55	11.70
84.7808	12.46	12.55	11.70
84.8752	12.46	12.56	11.70
84.9696	12.47	12.57	11.71
85.0640	12.47	12.57	11.71

85.1584	12.47	12.57	11.70
85.2528	12.47	12.56	11.70
85.3473	12.47	12.55	11.70
85.4417	12.47	12.55	11.69
85.5361	12.47	12.55	11.70
85.6305	12.47	12.55	11.70
85.7249	12.47	12.56	11.70
85.8193	12.47	12.57	11.70
85.9137	12.47	12.57	11.70
86.0081	12.47	12.57	11.70
86.1025	12.46	12.56	11.69
86.1969	12.46	12.55	11.69
86.2914	12.46	12.55	11.69
86.3858	12.46	12.55	11.69
86.4802	12.46	12.55	11.70
86.5746	12.46	12.56	11.70
86.6690	12.46	12.57	11.70
86.7634	12.46	12.57	11.70
86.8578	12.46	12.56	11.70
86.9522	12.46	12.55	11.70
87.0466	12.46	12.54	11.69
87.1411	12.46	12.54	11.69
87.2355	12.46	12.55	11.69
87.3299	12.46	12.55	11.69
87.4243	12.46	12.56	11.70
87.5187	12.46	12.57	11.70
87.6131	12.46	12.57	11.70
87.7075	12.46	12.56	11.69
87.8019	12.46	12.55	11.69
87.8963	12.46	12.54	11.69
87.9908	12.46	12.54	11.69
88.0852	12.46	12.55	11.69
88.1796	12.46	12.55	11.69
88.2740	12.46	12.56	11.69
88.3684	12.46	12.56	11.69
88.4628	12.46	12.56	11.69
88.5572	12.46	12.55	11.69
88.6516	12.46	12.54	11.69
88.7460	12.46	12.54	11.69
88.8404	12.46	12.54	11.69
88.9349	12.46	12.54	11.69
89.0293	12.46	12.55	11.69
89.1237	12.46	12.56	11.69
89.2181	12.46	12.56	11.69
89.3125	12.46	12.55	11.69
89.4069	12.46	12.54	11.69
89.5013	12.46	12.53	11.69
89.5957	12.46	12.53	11.69
89.6901	12.46	12.54	11.68
89.7846	12.46	12.55	11.68
89.8790	12.46	12.56	11.69
89.9734	12.46	12.56	11.69
90.0678	12.45	12.55	11.69
90.1622	12.45	12.55	11.69
90.2566	12.45	12.54	11.68
90.3510	12.45	12.53	11.68
90.4454	12.45	12.53	11.68
90.5398	12.46	12.54	11.68
90.6342	12.46	12.55	11.68
90.7287	12.46	12.55	11.69
90.8231	12.46	12.55	11.69

90.9175	12.46	12.55	11.68
91.0119	12.45	12.54	11.68
91.1063	12.45	12.53	11.68
91.2007	12.45	12.53	11.68
91.2951	12.45	12.53	11.68
91.3895	12.45	12.54	11.68
91.4839	12.45	12.55	11.68
91.5784	12.45	12.55	11.68
91.6728	12.45	12.55	11.68
91.7672	12.45	12.55	11.68
91.8616	12.45	12.54	11.68
91.9560	12.45	12.53	11.68
92.0504	12.45	12.53	11.68
92.1448	12.44	12.53	11.68
92.2392	12.44	12.54	11.68
92.3336	12.44	12.55	11.68
92.4281	12.44	12.55	11.68
92.5225	12.45	12.55	11.68
92.6169	12.45	12.54	11.67
92.7113	12.44	12.53	11.67
92.8057	12.44	12.53	11.67
92.9001	12.44	12.53	11.67
92.9945	12.44	12.54	11.67
93.0889	12.44	12.55	11.68
93.1833	12.44	12.55	11.68
93.2777	12.44	12.55	11.68
93.3722	12.44	12.55	11.68
93.4666	12.44	12.54	11.68
93.5610	12.44	12.53	11.67
93.6554	12.44	12.53	11.68
93.7498	12.44	12.53	11.68
93.8442	12.44	12.54	11.68
93.9386	12.44	12.55	11.68
94.0330	12.44	12.55	11.68
94.1274	12.44	12.55	11.68
94.2219	12.44	12.54	11.68
94.3163	12.44	12.53	11.68
94.4107	12.44	12.53	11.68
94.5051	12.44	12.53	11.67
94.5995	12.43	12.53	11.68
94.6939	12.44	12.54	11.68
94.7883	12.44	12.55	11.68
94.8827	12.44	12.55	11.68
94.9771	12.44	12.55	11.68
95.0716	12.44	12.54	11.68
95.1660	12.44	12.53	11.68
95.2604	12.43	12.53	11.68
95.3548	12.43	12.53	11.68
95.4492	12.43	12.54	11.68
95.5436	12.43	12.54	11.69
95.6380	12.43	12.55	11.69
95.7324	12.43	12.55	11.69
95.8268	12.43	12.54	11.69
95.9212	12.43	12.54	11.68
96.0157	12.43	12.53	11.68
96.1101	12.43	12.53	11.68
96.2045	12.43	12.53	11.68
96.2989	12.43	12.54	11.68
96.3933	12.43	12.55	11.68
96.4877	12.43	12.55	11.68
96.5821	12.43	12.55	11.68

96.6765	12.43	12.54	11.68
96.7709	12.43	12.54	11.68
96.8654	12.43	12.53	11.68
96.9598	12.43	12.53	11.68
97.0542	12.43	12.54	11.68
97.1486	12.43	12.54	11.68
97.2430	12.43	12.55	11.68
97.3374	12.43	12.55	11.68
97.4318	12.43	12.55	11.68
97.5262	12.43	12.54	11.68
97.6206	12.43	12.54	11.68
97.7150	12.43	12.53	11.68
97.8095	12.43	12.54	11.68
97.9039	12.43	12.54	11.68
97.9983	12.43	12.55	11.68
98.0927	12.43	12.55	11.69
98.1871	12.43	12.55	11.69
98.2815	12.43	12.55	11.69
98.3759	12.43	12.54	11.68
98.4703	12.43	12.53	11.68
98.5647	12.43	12.53	11.68
98.6592	12.43	12.54	11.68
98.7536	12.43	12.54	11.68
98.8480	12.43	12.55	11.68
98.9424	12.43	12.55	11.68
99.0368	12.43	12.55	11.68
99.1312	12.43	12.54	11.68
99.2256	12.43	12.54	11.68
99.3200	12.43	12.53	11.68
99.4144	12.43	12.53	11.68
99.5089	12.43	12.53	11.68
99.6033	12.43	12.54	11.68
99.6977	12.43	12.54	11.68
99.7921	12.43	12.54	11.68
99.8865	12.43	12.54	11.68
99.9809	12.43	12.54	11.68
100.0753	12.43	12.53	11.68
100.1697	12.43	12.53	11.68
100.2641	12.43	12.53	11.68
100.3585	12.43	12.53	11.68
100.4530	12.43	12.54	11.68
100.5474	12.43	12.54	11.68
100.6418	12.43	12.54	11.68
100.7362	12.43	12.54	11.68
100.8306	12.43	12.53	11.68
100.9250	12.43	12.53	11.67
101.0194	12.43	12.52	11.67
101.1138	12.43	12.53	11.67
101.2082	12.43	12.53	11.67
101.3027	12.43	12.53	11.67
101.3971	12.43	12.53	11.67
101.4915	12.43	12.53	11.67
101.5859	12.43	12.53	11.67
101.6803	12.43	12.53	11.67
101.7747	12.43	12.52	11.66
101.8691	12.43	12.52	11.66
101.9635	12.43	12.53	11.66
102.0579	12.43	12.53	11.67
102.1524	12.43	12.53	11.67
102.2468	12.43	12.53	11.67
102.3412	12.43	12.53	11.67

102.4356	12.43	12.53	11.67
102.5300	12.43	12.52	11.67
102.6244	12.43	12.52	11.67
102.7188	12.42	12.52	11.67
102.8132	12.42	12.52	11.66
102.9076	12.43	12.52	11.66
103.0020	12.43	12.53	11.67
103.0965	12.43	12.53	11.67
103.1909	12.43	12.53	11.67
103.2853	12.43	12.53	11.66
103.3797	12.43	12.52	11.66
103.4741	12.43	12.52	11.66
103.5685	12.43	12.52	11.65
103.6629	12.43	12.52	11.66
103.7573	12.43	12.52	11.66
103.8517	12.43	12.53	11.66
103.9462	12.43	12.52	11.66
104.0406	12.43	12.52	11.65
104.1350	12.43	12.52	11.65
104.2294	12.43	12.52	11.65
104.3238	12.43	12.51	11.65
104.4182	12.43	12.51	11.65
104.5126	12.43	12.52	11.66
104.6070	12.43	12.52	11.66
104.7014	12.43	12.52	11.66
104.7959	12.43	12.52	11.66
104.8903	12.43	12.52	11.66
104.9847	12.43	12.52	11.66
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105.1735	12.42	12.51	11.66
105.2679	12.42	12.51	11.66
105.3623	12.42	12.51	11.65
105.4567	12.43	12.51	11.65
105.5511	12.43	12.52	11.66
105.6455	12.43	12.52	11.66
105.7400	12.43	12.52	11.65
105.8344	12.43	12.51	11.65
105.9288	12.43	12.51	11.65
106.0232	12.43	12.51	11.65
106.1176	12.43	12.51	11.65
106.2120	12.43	12.51	11.65
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106.4008	12.43	12.52	11.65
106.4952	12.43	12.52	11.65
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106.8729	12.42	12.50	11.65
106.9673	12.42	12.51	11.65
107.0617	12.43	12.51	11.65
107.1561	12.43	12.52	11.66
107.2505	12.43	12.52	11.66
107.3449	12.43	12.52	11.66
107.4393	12.42	12.52	11.65
107.5338	12.42	12.51	11.65
107.6282	12.42	12.51	11.65
107.7226	12.42	12.50	11.65
107.8170	12.42	12.51	11.65
107.9114	12.42	12.52	11.65
108.0058	12.42	12.52	11.65
108.1002	12.42	12.52	11.65

108.1946	12.42	12.52	11.65
108.2890	12.42	12.52	11.65
108.3835	12.42	12.51	11.65
108.4779	12.42	12.51	11.64
108.5723	12.42	12.51	11.65
108.6667	12.42	12.51	11.65
108.7611	12.42	12.52	11.65
108.8555	12.42	12.52	11.66
108.9499	12.42	12.52	11.66
109.0443	12.42	12.52	11.66
109.1387	12.42	12.52	11.65
109.2332	12.42	12.51	11.65
109.3276	12.42	12.51	11.65
109.4220	12.42	12.51	11.66
109.5164	12.42	12.51	11.66
109.6108	12.42	12.52	11.66
109.7052	12.42	12.53	11.66
109.7996	12.42	12.53	11.66
109.8940	12.42	12.52	11.66
109.9884	12.42	12.51	11.66
110.0828	12.42	12.51	11.66
110.1773	12.42	12.51	11.66
110.2717	12.42	12.51	11.66
110.3661	12.42	12.52	11.66
110.4605	12.42	12.52	11.66
110.5549	12.42	12.53	11.66
110.6493	12.42	12.52	11.66
110.7437	12.42	12.52	11.66
110.8381	12.41	12.51	11.65
110.9325	12.41	12.51	11.65
111.0270	12.41	12.51	11.65
111.1214	12.42	12.51	11.66
111.2158	12.42	12.52	11.66
111.3102	12.42	12.53	11.67
111.4046	12.42	12.53	11.67
111.4990	12.41	12.52	11.66
111.5934	12.41	12.52	11.66
111.6878	12.41	12.51	11.66
111.7822	12.41	12.51	11.66
111.8767	12.41	12.51	11.67
111.9711	12.41	12.52	11.67
112.0655	12.41	12.53	11.67
112.1599	12.41	12.53	11.67
112.2543	12.41	12.53	11.66
112.3487	12.41	12.52	11.66
112.4431	12.41	12.52	11.66
112.5375	12.41	12.51	11.66
112.6319	12.41	12.51	11.66
112.7263	12.41	12.51	11.66
112.8208	12.41	12.52	11.66
112.9152	12.41	12.53	11.66
113.0096	12.41	12.53	11.66
113.1040	12.41	12.53	11.66
113.1984	12.41	12.52	11.66
113.2928	12.41	12.51	11.66
113.3872	12.41	12.51	11.66
113.4816	12.41	12.51	11.66
113.5760	12.41	12.52	11.66
113.6705	12.41	12.52	11.66
113.7649	12.41	12.53	11.66
113.8593	12.41	12.53	11.67

113.9537	12.41	12.53	11.66
114.0481	12.41	12.52	11.66
114.1425	12.41	12.51	11.66
114.2369	12.41	12.51	11.66
114.3313	12.41	12.51	11.66
114.4257	12.41	12.52	11.66
114.5202	12.41	12.53	11.66
114.6146	12.41	12.53	11.66
114.7090	12.41	12.53	11.66
114.8034	12.41	12.52	11.66
114.8978	12.40	12.51	11.65
114.9922	12.40	12.51	11.65
115.0866	12.40	12.51	11.65
115.1810	12.40	12.51	11.65
115.2754	12.41	12.52	11.65
115.3698	12.41	12.53	11.65
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115.5587	12.41	12.52	11.66
115.6531	12.41	12.52	11.66
115.7475	12.41	12.51	11.66
115.8419	12.41	12.50	11.66
115.9363	12.41	12.50	11.65
116.0307	12.41	12.51	11.66
116.1251	12.41	12.52	11.66
116.2195	12.41	12.53	11.66
116.3140	12.41	12.52	11.66
116.4084	12.41	12.52	11.66
116.5028	12.41	12.51	11.66
116.5972	12.41	12.51	11.66
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116.8804	12.40	12.51	11.65
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117.3525	12.40	12.51	11.65
117.4469	12.40	12.50	11.64
117.5413	12.40	12.50	11.64
117.6357	12.40	12.50	11.65
117.7301	12.40	12.51	11.65
117.8245	12.41	12.52	11.65
117.9189	12.41	12.52	11.65
118.0133	12.41	12.52	11.65
118.1078	12.41	12.51	11.65
118.2022	12.41	12.50	11.65
118.2966	12.41	12.50	11.65
118.3910	12.41	12.50	11.65
118.4854	12.41	12.51	11.65
118.5798	12.41	12.51	11.65
118.6742	12.41	12.52	11.65
118.7686	12.41	12.52	11.66
118.8630	12.41	12.51	11.65
118.9575	12.41	12.50	11.65
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119.8071	12.41	12.50	11.64
119.9016	12.41	12.50	11.64
119.9960	12.41	12.50	11.64
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120.1848	12.41	12.51	11.64
120.2792	12.41	12.52	11.64
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121.2233	12.41	12.51	11.65
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121.4121	12.41	12.50	11.64
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122.0730	12.41	12.51	11.64
122.1674	12.41	12.50	11.64
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122.3562	12.41	12.49	11.64
122.4506	12.41	12.50	11.64
122.5451	12.41	12.50	11.64
122.6395	12.41	12.51	11.64
122.7339	12.41	12.51	11.64
122.8283	12.42	12.51	11.65
122.9227	12.41	12.50	11.65
123.0171	12.41	12.50	11.65
123.1115	12.41	12.49	11.65
123.2059	12.41	12.49	11.64
123.3003	12.41	12.50	11.64
123.3948	12.41	12.50	11.64
123.4892	12.41	12.50	11.64
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123.7724	12.41	12.50	11.64
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123.9612	12.41	12.49	11.64
124.0556	12.41	12.50	11.64
124.1500	12.41	12.50	11.64
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124.3389	12.41	12.51	11.64
124.4333	12.41	12.51	11.64
124.5277	12.41	12.51	11.64
124.6221	12.41	12.50	11.64
124.7165	12.41	12.50	11.64
124.8109	12.41	12.50	11.64
124.9053	12.41	12.50	11.64
124.9997	12.41	12.50	11.64
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126.6991	12.40	12.50	11.64
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126.8879	12.40	12.50	11.64
126.9824	12.41	12.50	11.64
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129.6259	12.40	12.51	11.64
129.7203	12.39	12.50	11.65
129.8147	12.39	12.50	11.65
129.9091	12.40	12.50	11.65
130.0035	12.40	12.50	11.65
130.0979	12.40	12.51	11.65
130.1923	12.40	12.51	11.65
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131.9861	12.40	12.51	11.65
132.0805	12.40	12.51	11.65
132.1749	12.39	12.51	11.65
132.2694	12.39	12.50	11.65
132.3638	12.39	12.50	11.65
132.4582	12.39	12.50	11.65
132.5526	12.40	12.51	11.65
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133.6855	12.40	12.51	11.65
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134.0632	12.40	12.50	11.65
134.1576	12.40	12.50	11.65
134.2520	12.40	12.51	11.65
134.3464	12.40	12.51	11.65
134.4408	12.40	12.51	11.65
134.5352	12.40	12.51	11.65
134.6296	12.40	12.50	11.64
134.7240	12.40	12.50	11.64
134.8184	12.40	12.50	11.64
134.9129	12.40	12.50	11.65
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135.1961	12.40	12.51	11.64
135.2905	12.40	12.51	11.64
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137.8396	12.40	12.50	11.63
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138.0284	12.40	12.49	11.63
138.1228	12.40	12.49	11.63
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140.1999	12.40	12.50	11.63
140.2943	12.40	12.49	11.63
140.3887	12.40	12.48	11.63
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141.0496	12.40	12.50	11.63
141.1440	12.40	12.49	11.63
141.2384	12.40	12.48	11.63
141.3328	12.40	12.48	11.63
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141.5216	12.40	12.49	11.63
141.6160	12.40	12.50	11.63
141.7104	12.40	12.50	11.63
141.8048	12.40	12.50	11.63
141.8992	12.40	12.49	11.63
141.9937	12.40	12.49	11.63
142.0881	12.40	12.48	11.63
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142.3713	12.40	12.50	11.63
142.4657	12.40	12.50	11.63
142.5601	12.40	12.50	11.63
142.6545	12.40	12.50	11.63

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142.8434	12.40	12.49	11.63
142.9378	12.40	12.48	11.63
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143.1266	12.40	12.49	11.63
143.2210	12.40	12.50	11.64
143.3154	12.40	12.50	11.64
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146.1477	12.39	12.49	11.64
146.2421	12.39	12.49	11.64
146.3365	12.39	12.50	11.64
146.4310	12.39	12.50	11.64
146.5254	12.39	12.51	11.64
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151.3403	12.39	12.50	11.64
151.4347	12.39	12.50	11.64
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153.1341	12.40	12.50	11.63
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153.3229	12.40	12.50	11.63
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198.9233	12.38	12.49	11.63
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241.6913	12.39	12.48	11.62
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241.8802	12.39	12.49	11.63
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284.1761	12.38	12.48	11.63
284.2705	12.38	12.49	11.63
284.3650	12.38	12.49	11.63
284.4594	12.38	12.50	11.64
284.5538	12.38	12.50	11.64
284.6482	12.38	12.50	11.64
284.7426	12.38	12.49	11.64
284.8370	12.38	12.49	11.63
284.9314	12.38	12.49	11.63
285.0258	12.38	12.49	11.63
285.1202	12.38	12.49	11.63
285.2147	12.38	12.49	11.63
285.3091	12.38	12.50	11.64
285.4035	12.38	12.50	11.64
285.4979	12.38	12.50	11.63
285.5923	12.38	12.49	11.63
285.6867	12.38	12.49	11.63
285.7811	12.38	12.49	11.63
285.8755	12.38	12.49	11.63
285.9699	12.38	12.49	11.63
286.0643	12.38	12.49	11.63
286.1588	12.38	12.50	11.63
286.2532	12.38	12.50	11.63
286.3476	12.38	12.49	11.63
286.4420	12.38	12.49	11.63
286.5364	12.38	12.49	11.63
286.6308	12.38	12.49	11.63

286.7252	12.38	12.48	11.63
286.8196	12.38	12.49	11.63
286.9140	12.38	12.49	11.63
287.0085	12.38	12.50	11.63
287.1029	12.39	12.49	11.63
287.1973	12.39	12.49	11.63
287.2917	12.39	12.49	11.63
287.3861	12.39	12.49	11.63
287.4805	12.38	12.48	11.63
287.5749	12.39	12.49	11.63
287.6693	12.39	12.49	11.63
287.7637	12.39	12.49	11.63
287.8582	12.39	12.49	11.63
287.9526	12.39	12.49	11.63
288.0470	12.39	12.49	11.63
288.1414	12.39	12.49	11.63
288.2358	12.39	12.48	11.63
288.3302	12.39	12.48	11.63
288.4246	12.39	12.48	11.63
288.5190	12.39	12.49	11.63
288.6134	12.39	12.49	11.63
288.7078	12.39	12.49	11.63
288.8023	12.39	12.49	11.63
288.8967	12.39	12.49	11.63
288.9911	12.39	12.48	11.63
289.0855	12.39	12.48	11.63
289.1799	12.39	12.48	11.62
289.2743	12.39	12.48	11.63
289.3687	12.39	12.48	11.63
289.4631	12.39	12.49	11.63
289.5575	12.39	12.49	11.63
289.6520	12.39	12.49	11.63
289.7464	12.39	12.49	11.63
289.8408	12.39	12.48	11.62
289.9352	12.39	12.48	11.62
290.0296	12.39	12.48	11.62
290.1240	12.39	12.48	11.62
290.2184	12.39	12.48	11.62
290.3128	12.39	12.49	11.63
290.4072	12.39	12.49	11.63
290.5017	12.39	12.49	11.62
290.5961	12.39	12.49	11.62
290.6905	12.39	12.48	11.62
290.7849	12.39	12.47	11.62
290.8793	12.39	12.47	11.62
290.9737	12.39	12.48	11.62
291.0681	12.39	12.48	11.63
291.1625	12.39	12.49	11.63
291.2569	12.39	12.49	11.63
291.3513	12.39	12.49	11.62
291.4458	12.39	12.48	11.62
291.5402	12.39	12.48	11.62
291.6346	12.39	12.47	11.62
291.7290	12.39	12.48	11.62
291.8234	12.39	12.48	11.62
291.9178	12.39	12.49	11.62
292.0122	12.39	12.49	11.62
292.1066	12.39	12.49	11.62
292.2010	12.39	12.49	11.62
292.2955	12.39	12.48	11.62
292.3899	12.39	12.47	11.62

292.4843	12.39	12.47	11.62
292.5787	12.39	12.48	11.62
292.6731	12.39	12.48	11.62
292.7675	12.39	12.49	11.62
292.8619	12.39	12.49	11.62
292.9563	12.39	12.49	11.62
293.0507	12.39	12.48	11.62
293.1451	12.39	12.48	11.62
293.2396	12.39	12.47	11.62
293.3340	12.39	12.47	11.62
293.4284	12.39	12.48	11.62
293.5228	12.39	12.48	11.62
293.6172	12.39	12.49	11.62
293.7116	12.39	12.49	11.62
293.8060	12.39	12.49	11.62
293.9004	12.39	12.48	11.62
293.9948	12.39	12.47	11.62
294.0893	12.39	12.47	11.62
294.1837	12.39	12.47	11.62
294.2781	12.39	12.48	11.62
294.3725	12.39	12.49	11.62
294.4669	12.39	12.49	11.62
294.5613	12.39	12.49	11.62
294.6557	12.39	12.49	11.62
294.7501	12.39	12.48	11.62
294.8445	12.39	12.47	11.62
294.9390	12.39	12.47	11.62
295.0334	12.39	12.47	11.62
295.1278	12.39	12.48	11.62
295.2222	12.39	12.49	11.63
295.3166	12.39	12.49	11.63
295.4110	12.39	12.49	11.63
295.5054	12.39	12.48	11.62
295.5998	12.39	12.48	11.62
295.6942	12.39	12.47	11.62
295.7886	12.39	12.47	11.62
295.8831	12.39	12.48	11.62
295.9775	12.39	12.49	11.63
296.0719	12.39	12.49	11.63
296.1663	12.39	12.50	11.63
296.2607	12.39	12.49	11.62
296.3551	12.39	12.48	11.62
296.4495	12.39	12.48	11.62
296.5439	12.39	12.47	11.62
296.6383	12.39	12.48	11.62
296.7328	12.39	12.48	11.62
296.8272	12.39	12.49	11.63
296.9216	12.39	12.50	11.63
297.0160	12.39	12.50	11.63
297.1104	12.39	12.49	11.63
297.2048	12.39	12.48	11.63
297.2992	12.39	12.48	11.62
297.3936	12.39	12.47	11.62
297.4880	12.39	12.48	11.63
297.5825	12.39	12.49	11.63
297.6769	12.39	12.50	11.63
297.7713	12.39	12.50	11.63
297.8657	12.39	12.50	11.63
297.9601	12.39	12.49	11.63
298.0545	12.38	12.48	11.63
298.1489	12.38	12.48	11.63

298.2433	12.38	12.48	11.63
298.3377	12.38	12.48	11.63
298.4321	12.39	12.49	11.63
298.5266	12.39	12.50	11.63
298.6210	12.39	12.50	11.63
298.7154	12.38	12.50	11.63
298.8098	12.38	12.49	11.63
298.9042	12.38	12.48	11.63
298.9986	12.38	12.48	11.63
299.0930	12.38	12.48	11.63
299.1874	12.38	12.49	11.63
299.2818	12.38	12.50	11.63
299.3763	12.38	12.50	11.64
299.4707	12.38	12.50	11.64
299.5651	12.38	12.49	11.63
299.6595	12.38	12.49	11.63
299.7539	12.38	12.48	11.63
299.8483	12.38	12.48	11.63
299.9427	12.38	12.48	11.63
300.0371	12.38	12.49	11.63
300.1315	12.38	12.50	11.64

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_6\Relazione\L6-B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 6 - Portata massima 100 l/s
 Filename = L6-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_6\Relazione\L6-B.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 25: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 103: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 104: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 105: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 106: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 107: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)

Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

PUMP at Node 501: Pump Performance Data
==========-
Not available for other pump options

All.4 Verifiche in moto vario

7. Comizio irriguo n.7

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_7\Relazione\L7_B.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 7 - Portata massima 200 l/s
Filename = L7_B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_7\Relazione\L7_B.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	90.93	12.39	95.93	17.39
1	2	90.61	12.35	95.71	17.45
1	3	90.30	12.23	95.50	17.43
2	1	90.93	12.39	95.93	17.39
2	2	90.80	12.33	95.85	17.37
2	3	90.69	12.25	95.78	17.34
2	4	90.56	12.18	95.70	17.32
2	5	90.43	12.14	95.61	17.32
2	6	90.30	12.11	95.52	17.34
2	7	90.18	12.06	95.45	17.33
2	8	90.07	11.99	95.38	17.31
2	9	89.94	11.95	95.30	17.31
3	1	89.94	11.95	95.30	17.31
3	2	89.79	11.91	95.20	17.32
3	3	89.67	11.88	95.12	17.34
3	4	89.55	11.85	95.05	17.35
3	5	89.42	11.79	94.96	17.34
3	6	89.26	11.73	94.85	17.33
3	7	89.12	11.68	94.76	17.32
3	8	89.02	11.64	94.70	17.33
3	9	88.90	11.59	94.63	17.32
3	10	88.75	11.50	94.53	17.28
4	1	88.75	11.50	94.53	17.28
4	2	88.62	11.42	94.44	17.25
4	3	88.50	11.36	94.38	17.23
4	4	88.38	11.32	94.30	17.24
4	5	88.25	11.30	94.21	17.26
4	6	88.11	11.22	94.12	17.23
4	7	88.01	11.16	94.06	17.22
4	8	87.89	11.11	93.99	17.21
4	9	87.76	11.09	93.91	17.24
4	10	87.61	11.06	93.80	17.25
4	11	87.48	10.99	93.72	17.23
4	12	87.37	10.95	93.65	17.24
4	13	87.23	10.91	93.56	17.24
5	1	87.23	10.91	93.56	17.24
5	2	87.09	10.90	93.47	17.28
5	3	86.94	10.86	93.37	17.29
5	4	86.81	10.81	93.29	17.29
5	5	86.66	10.71	93.19	17.24
5	6	86.51	10.64	93.09	17.22
5	7	86.36	10.58	92.99	17.21
6	1	86.36	10.58	92.99	17.21

6	2	86.42	10.64	93.01	17.23
6	3	86.39	10.70	92.92	17.24
6	4	86.34	10.73	92.83	17.22
6	5	86.30	10.76	92.75	17.21
6	6	86.28	10.83	92.68	17.22
6	7	86.25	10.90	92.60	17.25
6	8	86.20	10.97	92.50	17.28
6	9	86.15	11.02	92.41	17.27
6	10	86.13	11.08	92.34	17.29
7	1	86.13	11.08	92.34	17.29
7	2	86.10	11.15	92.26	17.31
7	3	86.06	11.24	92.17	17.35
7	4	86.00	11.31	92.07	17.38
7	5	85.97	11.35	92.00	17.37
7	6	85.95	11.37	91.93	17.35
7	7	85.92	11.42	91.85	17.35
7	8	85.88	11.47	91.76	17.35
7	9	85.84	11.53	91.67	17.37
7	10	85.81	11.54	91.60	17.33
8	1	85.81	11.54	91.60	17.33
8	2	85.78	11.56	91.53	17.31
8	3	85.74	11.60	91.44	17.30
8	4	85.70	11.66	91.36	17.32
8	5	85.67	11.71	91.29	17.33
8	6	85.65	11.73	91.22	17.30
8	7	85.61	11.77	91.14	17.30
9	1	85.61	11.77	91.14	17.30
9	2	85.45	11.72	91.03	17.30
9	3	85.30	11.69	90.94	17.33
9	4	85.15	11.67	90.84	17.36
10	1	85.15	11.67	90.84	17.36
10	2	85.01	11.62	90.74	17.36
10	3	84.86	11.56	90.64	17.35
10	4	84.73	11.52	90.56	17.35
10	5	84.60	11.47	90.48	17.35
10	6	84.46	11.44	90.39	17.36
10	7	84.32	11.36	90.29	17.33
10	8	84.17	11.27	90.19	17.29
10	9	84.03	11.21	90.10	17.27
10	10	83.89	11.15	90.00	17.26
11	1	83.89	11.15	90.00	17.26
11	2	83.71	11.06	89.87	17.22
11	3	83.52	10.99	89.72	17.20
11	4	83.32	10.94	89.57	17.20
11	5	83.15	10.91	89.45	17.21
12	1	90.93	12.39	95.93	17.39
12	2	90.81	12.32	95.85	17.36
12	3	90.67	12.23	95.76	17.32
12	4	90.54	12.14	95.67	17.27
12	5	90.41	12.06	95.59	17.24
12	6	90.29	12.00	95.51	17.23
12	7	90.17	11.95	95.44	17.22
12	8	90.03	11.89	95.34	17.20
12	9	89.90	11.84	95.26	17.20
13	1	89.90	11.84	95.26	17.20
13	2	89.78	11.79	95.18	17.19
13	3	89.65	11.77	95.10	17.21
13	4	89.52	11.76	95.01	17.25
13	5	89.39	11.73	94.93	17.27
13	6	89.27	11.71	94.86	17.29
13	7	89.15	11.69	94.78	17.31

13	8	89.03	11.68	94.70	17.35
13	9	88.90	11.67	94.62	17.39
13	10	88.78	11.61	94.54	17.37
14	1	88.78	11.61	94.54	17.37
14	2	88.65	11.50	94.46	17.31
14	3	88.52	11.42	94.38	17.27
14	4	88.38	11.34	94.28	17.24
14	5	88.25	11.27	94.20	17.22
14	6	88.13	11.20	94.12	17.20
14	7	87.99	11.14	94.04	17.18
14	8	87.85	11.08	93.94	17.18
14	9	87.71	11.03	93.86	17.17
14	10	87.58	11.00	93.77	17.19
14	11	87.45	10.94	93.68	17.18
14	12	87.30	10.90	93.59	17.19
14	13	87.17	10.87	93.50	17.20
14	14	87.03	10.85	93.41	17.23
14	15	86.89	10.84	93.31	17.27
14	16	86.75	10.84	93.23	17.31
14	17	86.62	10.81	93.14	17.33
14	18	86.49	10.79	93.06	17.36
15	1	86.49	10.79	93.06	17.36
15	2	86.48	10.76	93.06	17.34
16	1	86.48	10.76	93.06	17.34
16	2	86.54	10.78	93.07	17.31
16	3	86.50	10.79	92.98	17.27
16	4	86.45	10.79	92.89	17.23
16	5	86.42	10.79	92.80	17.18
16	6	86.37	10.82	92.70	17.15
16	7	86.32	10.85	92.61	17.14
16	8	86.28	10.91	92.52	17.15
16	9	86.23	10.94	92.42	17.13
17	1	86.23	10.94	92.42	17.13
17	2	85.76	10.97	91.91	17.12
17	3	85.30	11.01	91.40	17.11
17	4	84.83	11.10	90.89	17.15
17	5	84.38	11.18	90.39	17.20
17	6	83.92	11.25	89.88	17.21
17	7	83.45	11.31	89.38	17.23
17	8	83.00	11.40	88.87	17.28
17	9	82.53	11.49	88.37	17.32
17	10	82.06	11.58	87.85	17.37
18	1	90.30	12.23	95.50	17.43
18	2	90.16	12.17	95.41	17.42
18	3	90.04	12.11	95.33	17.40
18	4	89.91	12.05	95.25	17.39
18	5	89.79	12.02	95.17	17.40
18	6	89.66	11.98	95.09	17.41
18	7	89.54	11.94	95.01	17.41
18	8	89.40	11.89	94.92	17.40
18	9	89.28	11.83	94.84	17.39
19	1	89.28	11.83	94.84	17.39
19	2	89.14	11.79	94.75	17.40
19	3	89.01	11.75	94.66	17.41
19	4	88.87	11.71	94.57	17.42
19	5	88.73	11.64	94.48	17.39
19	6	88.60	11.57	94.40	17.37
19	7	88.48	11.52	94.32	17.36
19	8	88.36	11.48	94.25	17.37
19	9	88.22	11.42	94.16	17.36
19	10	88.08	11.36	94.07	17.35

20	1	88.08	11.36	94.07	17.35
20	2	87.95	11.30	93.99	17.33
20	3	87.84	11.26	93.92	17.34
20	4	87.71	11.23	93.83	17.35
20	5	87.58	11.17	93.75	17.34
20	6	87.45	11.12	93.66	17.33
20	7	87.33	11.07	93.59	17.33
20	8	87.20	11.04	93.50	17.34
21	1	87.20	11.04	93.50	17.34
21	2	87.25	11.12	93.50	17.36
21	3	87.21	11.17	93.40	17.36
22	1	87.21	11.17	93.40	17.36
22	2	87.18	11.21	93.32	17.35
22	3	87.14	11.27	93.24	17.36
22	4	87.09	11.31	93.14	17.36
22	5	87.05	11.38	93.06	17.38
22	6	87.02	11.41	92.98	17.37
22	7	86.99	11.45	92.90	17.36
22	8	86.95	11.49	92.81	17.35
22	9	86.90	11.54	92.72	17.36
22	10	86.86	11.60	92.63	17.37
23	1	86.86	11.60	92.63	17.37
23	2	86.83	11.64	92.56	17.37
23	3	86.79	11.67	92.46	17.35
23	4	86.74	11.72	92.37	17.35
23	5	86.70	11.79	92.29	17.37
23	6	86.67	11.84	92.21	17.37
23	7	86.63	11.87	92.12	17.36
23	8	86.59	11.92	92.03	17.37
23	9	86.54	11.98	91.94	17.37
23	10	86.51	12.03	91.86	17.38
24	1	86.51	12.03	91.86	17.38
24	2	86.37	11.98	91.78	17.39
24	3	86.22	11.92	91.68	17.39
24	4	86.08	11.86	91.60	17.38
24	5	85.95	11.80	91.52	17.37
24	6	85.81	11.74	91.44	17.37
24	7	85.66	11.69	91.35	17.38
24	8	85.51	11.64	91.26	17.39
24	9	85.38	11.58	91.18	17.38
24	10	85.24	11.52	91.10	17.37
24	11	85.10	11.45	91.01	17.37
24	12	84.95	11.39	90.92	17.36
24	13	84.82	11.34	90.85	17.37
24	14	84.68	11.30	90.76	17.38
24	15	84.53	11.24	90.67	17.38
24	16	84.39	11.18	90.58	17.38
24	17	84.24	11.13	90.49	17.38
24	18	84.10	11.08	90.41	17.39
25	1	84.10	11.08	90.41	17.39
25	2	84.17	11.17	90.41	17.41
26	1	84.17	11.17	90.41	17.41
26	2	84.11	11.21	90.31	17.41
26	3	84.06	11.25	90.21	17.40
26	4	84.02	11.30	90.12	17.40
26	5	83.96	11.34	90.02	17.40
26	6	83.90	11.39	89.92	17.40
26	7	83.85	11.41	89.81	17.38
26	8	83.80	11.44	89.73	17.36
26	9	83.75	11.48	89.63	17.36
26	10	83.70	11.54	89.53	17.37

27	1	83.70	11.54	89.53	17.37
27	2	83.61	11.58	89.39	17.36
27	3	83.53	11.61	89.27	17.34
27	4	83.45	11.64	89.14	17.33
27	5	83.35	11.68	88.99	17.32
27	6	83.27	11.73	88.87	17.33
27	7	83.19	11.76	88.74	17.31
27	8	83.11	11.80	88.61	17.30
27	9	83.02	11.84	88.47	17.30
27	10	82.93	11.89	88.34	17.30
28	1	82.93	11.89	88.34	17.30
28	2	82.85	11.95	88.21	17.31
28	3	82.77	11.98	88.08	17.30
28	4	82.67	12.03	87.94	17.29
28	5	82.57	12.06	87.79	17.28
29	1	82.57	12.06	87.79	17.28
29	2	82.39	12.02	87.66	17.29
29	3	82.21	11.99	87.52	17.30
29	4	82.02	11.93	87.37	17.29
29	5	81.82	11.84	87.22	17.25
29	6	81.64	11.73	87.09	17.18
30	1	90.30	12.23	95.50	17.43
30	2	90.18	12.12	95.42	17.36
30	3	90.05	12.01	95.35	17.31
30	4	89.92	11.92	95.26	17.25
30	5	89.79	11.83	95.18	17.21
30	6	89.68	11.75	95.11	17.18
30	7	89.55	11.67	95.03	17.15
30	8	89.42	11.61	94.94	17.14
30	9	89.28	11.56	94.85	17.13
31	1	89.28	11.56	94.85	17.13
31	2	89.16	11.51	94.77	17.13
31	3	89.03	11.47	94.69	17.13
31	4	88.90	11.45	94.61	17.16
31	5	88.76	11.43	94.51	17.18
31	6	88.63	11.43	94.43	17.23
31	7	88.52	11.42	94.36	17.27
31	8	88.39	11.42	94.28	17.31
31	9	88.26	11.43	94.19	17.37
31	10	88.13	11.42	94.11	17.40
32	1	88.13	11.42	94.11	17.40
32	2	88.00	11.33	94.03	17.36
32	3	87.88	11.24	93.95	17.31
32	4	87.75	11.14	93.87	17.26
32	5	87.62	11.04	93.79	17.21
32	6	87.49	10.94	93.70	17.15
32	7	87.37	10.86	93.63	17.12
32	8	87.24	10.79	93.54	17.09
32	9	87.11	10.73	93.46	17.08
32	10	86.98	10.68	93.38	17.08
33	1	86.98	10.68	93.38	17.08
33	2	86.93	10.65	93.38	17.10
34	1	86.93	10.65	93.38	17.10
34	2	86.98	10.69	93.38	17.10
34	3	86.94	10.76	93.30	17.12
34	4	86.91	10.85	93.23	17.16
34	5	86.88	10.92	93.15	17.20
34	6	86.85	11.00	93.08	17.24
34	7	86.81	11.10	93.00	17.29
34	8	86.78	11.21	92.92	17.35
34	9	86.75	11.30	92.85	17.40

35	1	86.75	11.30	92.85	17.40
35	2	86.71	11.29	92.76	17.35
35	3	86.67	11.27	92.68	17.28
35	4	86.63	11.26	92.60	17.23
35	5	86.59	11.27	92.51	17.19
35	6	86.55	11.28	92.43	17.16
35	7	86.51	11.28	92.34	17.12
35	8	86.47	11.30	92.26	17.09
35	9	86.44	11.33	92.18	17.07
35	10	86.40	11.38	92.10	17.08
36	1	86.40	11.38	92.10	17.08
36	2	86.46	11.46	92.10	17.10
37	1	86.46	11.46	92.10	17.10
37	2	85.88	11.41	91.57	17.10
37	3	85.31	11.38	91.04	17.11
37	4	84.73	11.39	90.51	17.17
37	5	84.15	11.39	89.97	17.22
37	6	83.57	11.40	89.44	17.27
37	7	82.99	11.39	88.91	17.31
37	8	82.42	11.40	88.38	17.36
37	9	81.84	11.33	87.85	17.34
38	1	83.15	10.91	89.45	17.21
38	2	83.20	10.95	89.45	17.20
38	3	83.12	10.98	89.33	17.18
38	4	83.05	11.01	89.21	17.17
38	5	82.98	11.07	89.09	17.18
38	6	82.91	11.13	88.97	17.19
38	7	82.84	11.18	88.85	17.19
38	8	82.77	11.18	88.74	17.14
38	9	82.70	11.21	88.61	17.12
38	10	82.63	11.25	88.50	17.12
38	11	82.56	11.32	88.38	17.14
38	12	82.48	11.38	88.26	17.16
38	13	82.41	11.37	88.13	17.10
38	14	82.34	11.39	88.02	17.07
38	15	82.28	11.44	87.91	17.07
39	1	82.28	11.44	87.91	17.07
39	2	82.19	11.51	87.78	17.09
39	3	82.11	11.59	87.65	17.14
39	4	82.03	11.61	87.53	17.11
39	5	81.96	11.64	87.41	17.09
39	6	81.87	11.68	87.28	17.08
39	7	81.79	11.76	87.16	17.12
39	8	81.72	11.82	87.03	17.14
39	9	81.65	11.87	86.92	17.14
39	10	81.56	11.92	86.79	17.15
40	1	81.56	11.92	86.79	17.15
40	2	81.62	11.96	86.80	17.14
41	1	81.62	11.96	86.80	17.14
41	2	81.46	11.94	86.69	17.16
41	3	81.31	11.94	86.58	17.21
41	4	81.14	11.88	86.45	17.20
41	5	80.97	11.81	86.33	17.17
41	6	80.80	11.76	86.20	17.16
41	7	80.63	11.73	86.08	17.18
41	8	80.46	11.73	85.96	17.23
41	9	80.29	11.70	85.83	17.24
42	1	80.29	11.70	85.83	17.24
42	2	80.10	11.62	85.69	17.21
42	3	79.92	11.59	85.55	17.22
42	4	79.74	11.58	85.42	17.26

42	5	79.56	11.57	85.28	17.30
42	6	79.37	11.52	85.14	17.29
42	7	79.18	11.46	85.00	17.28
42	8	79.01	11.42	84.87	17.29
42	9	78.82	11.42	84.73	17.33
42	10	78.63	11.43	84.59	17.39
43	1	79.11	11.94	84.60	17.43
43	2	78.87	11.69	84.60	17.41
43	3	78.63	11.43	84.59	17.39
44	1	82.06	11.58	87.85	17.37
44	2	82.16	11.62	87.86	17.32
45	1	82.16	11.62	87.86	17.32
45	2	82.01	11.54	87.75	17.29
45	3	81.85	11.49	87.64	17.28
45	4	81.68	11.41	87.52	17.24
45	5	81.51	11.32	87.38	17.20
45	6	81.34	11.26	87.26	17.18
45	7	81.18	11.20	87.15	17.16
45	8	81.01	11.15	87.02	17.16
46	1	81.01	11.15	87.02	17.16
46	2	80.84	11.10	86.89	17.16
46	3	80.68	11.06	86.78	17.16
46	4	80.52	11.02	86.66	17.16
46	5	80.35	11.00	86.54	17.18
46	6	80.18	10.98	86.41	17.21
46	7	80.01	10.99	86.28	17.27
46	8	79.85	10.98	86.17	17.30
46	9	79.68	10.97	86.05	17.33
46	10	79.51	10.96	85.92	17.37
47	1	79.51	10.96	85.92	17.37
47	2	79.33	10.93	85.79	17.39
47	3	79.14	10.83	85.65	17.33
47	4	78.98	10.72	85.53	17.27
47	5	78.79	10.62	85.39	17.22
47	6	78.62	10.55	85.26	17.20
47	7	78.45	10.49	85.14	17.19
47	8	78.27	10.42	85.01	17.16
47	9	78.09	10.34	84.88	17.13
48	1	78.09	10.34	84.88	17.13
48	2	78.20	10.43	84.88	17.11
48	3	78.15	10.54	84.73	17.12
48	4	78.12	10.67	84.60	17.15
48	5	78.08	10.82	84.45	17.20
48	6	78.03	10.94	84.30	17.21
48	7	78.00	11.07	84.16	17.23
48	8	77.96	11.21	84.02	17.27
48	9	77.91	11.36	83.86	17.31
48	10	77.86	11.51	83.71	17.36
49	1	77.86	11.51	83.71	17.36
49	2	77.70	11.41	83.70	17.41
50	1	81.64	11.73	87.09	17.18
50	2	81.58	11.69	87.07	17.18
50	3	81.51	11.64	87.04	17.18
50	4	81.44	11.61	87.02	17.19
50	5	81.38	11.54	86.99	17.16
50	6	81.32	11.49	86.98	17.15
50	7	81.26	11.45	86.96	17.15
50	8	81.19	11.44	86.93	17.18
50	9	81.12	11.41	86.91	17.20
50	10	81.06	11.37	86.89	17.20
50	11	81.00	11.35	86.87	17.22

51	1	81.00	11.35	86.87	17.22
51	2	80.83	11.38	86.75	17.30
51	3	80.67	11.36	86.63	17.32
51	4	80.49	11.33	86.50	17.34
51	5	80.31	11.28	86.36	17.33
51	6	80.14	11.21	86.24	17.31
52	1	80.14	11.21	86.24	17.31
52	2	80.20	11.26	86.25	17.31
52	3	80.11	11.31	86.11	17.32
52	4	80.01	11.38	85.97	17.34
52	5	79.92	11.42	85.83	17.34
52	6	79.84	11.46	85.71	17.32
52	7	79.75	11.51	85.57	17.33
52	8	79.66	11.58	85.43	17.36
52	9	79.56	11.65	85.29	17.37
52	10	79.48	11.71	85.15	17.39
52	11	79.39	11.76	85.02	17.39
52	12	79.30	11.83	84.88	17.41
52	13	79.20	11.88	84.74	17.42
52	14	79.11	11.94	84.60	17.43
53	1	79.11	11.94	84.60	17.43
53	2	79.04	12.00	84.48	17.44
53	3	78.95	12.04	84.35	17.44
53	4	78.87	12.08	84.22	17.43
53	5	78.80	12.13	84.10	17.42
53	6	78.73	12.18	83.98	17.43
54	1	78.73	12.18	83.98	17.43
54	2	78.57	12.14	83.85	17.43
54	3	78.40	12.09	83.72	17.41
54	4	78.25	12.04	83.61	17.40
54	5	78.10	12.00	83.50	17.39
54	6	77.94	11.98	83.37	17.41
54	7	77.78	11.94	83.24	17.40
54	8	77.62	11.88	83.12	17.38
54	9	77.46	11.84	83.00	17.38
55	1	77.46	11.84	83.00	17.38
55	2	77.30	11.80	82.88	17.38
55	3	77.14	11.78	82.74	17.39
55	4	76.99	11.77	82.63	17.41
55	5	76.83	11.72	82.51	17.39
55	6	76.67	11.68	82.38	17.38
55	7	76.51	11.64	82.26	17.38
55	8	76.37	11.61	82.14	17.39
55	9	76.21	11.60	82.02	17.41
55	10	76.05	11.56	81.89	17.40
55	11	75.89	11.50	81.76	17.38
55	12	75.74	11.46	81.64	17.37
55	13	75.58	11.43	81.52	17.37
55	14	75.42	11.40	81.40	17.38
55	15	75.26	11.36	81.27	17.37
56	1	81.84	11.33	87.85	17.34
56	2	81.68	11.23	87.73	17.29
56	3	81.51	11.15	87.61	17.25
56	4	81.34	11.07	87.49	17.21
56	5	81.17	10.99	87.36	17.18
56	6	81.01	10.92	87.24	17.16
56	7	80.84	10.85	87.12	17.13
56	8	80.67	10.77	87.00	17.10
56	9	80.51	10.73	86.88	17.10
57	1	80.51	10.73	86.88	17.10
57	2	80.35	10.70	86.76	17.12

57	3	80.18	10.65	86.64	17.11
57	4	80.02	10.61	86.52	17.11
57	5	79.86	10.57	86.41	17.12
57	6	79.70	10.56	86.29	17.16
57	7	79.53	10.57	86.17	17.21
57	8	79.37	10.57	86.05	17.25
57	9	79.21	10.56	85.93	17.28
57	10	79.05	10.56	85.82	17.33
58	1	79.05	10.56	85.82	17.33
58	2	79.02	10.51	85.82	17.31
59	1	79.02	10.51	85.82	17.31
59	2	79.06	10.52	85.82	17.27
59	3	78.99	10.51	85.70	17.22
59	4	78.91	10.51	85.57	17.17
59	5	78.83	10.52	85.45	17.14
59	6	78.76	10.55	85.33	17.12
59	7	78.68	10.57	85.21	17.10
59	8	78.60	10.60	85.08	17.09
59	9	78.52	10.63	84.96	17.07
60	1	78.52	10.63	84.96	17.07
60	2	78.43	10.68	84.82	17.07
60	3	78.33	10.74	84.67	17.08
60	4	78.24	10.82	84.53	17.11
60	5	78.15	10.91	84.39	17.15
60	6	78.06	11.01	84.25	17.21
60	7	77.97	11.09	84.11	17.24
60	8	77.88	11.20	83.98	17.30
60	9	77.79	11.32	83.84	17.37
60	10	77.70	11.41	83.70	17.41
601	1	11.03	-4.06	19.33	4.24
601	2	18.04	-9.72	27.09	-0.67
602	1	11.03	-4.06	19.33	4.24
602	2	18.06	-10.13	27.11	-1.08
603	1	11.03	-4.06	19.33	4.24
603	2	18.43	-7.53	27.48	1.52
604	1	87.11	4.33	96.16	13.38
604	2	84.83	5.92	95.91	17.00
605	1	87.08	1.98	96.13	11.03
605	2	84.86	5.74	95.94	16.82
606	1	86.98	4.85	96.03	13.90
606	2	84.86	5.98	95.94	17.06
607	1	84.83	5.92	95.91	17.00
607	2	84.86	5.74	95.94	16.82
608	1	84.86	5.74	95.94	16.82
608	2	84.86	5.98	95.94	17.06
609	1	84.86	5.98	95.94	17.06
609	2	88.66	9.77	95.96	17.07
610	1	88.66	9.77	95.96	17.07
610	2	88.65	9.90	95.95	17.20
611	1	88.65	9.90	95.95	17.20
611	2	90.93	12.39	95.93	17.39
612	1	87.29	3.12	96.34	12.17
612	2	87.11	4.33	96.16	13.38
613	1	87.26	-0.04	96.31	9.01
613	2	87.08	1.98	96.13	11.03
614	1	87.16	3.77	96.21	12.82
614	2	86.98	4.85	96.03	13.90
615	1	77.86	11.51	83.71	17.36
615	2	77.86	11.50	83.71	17.35
616	1	77.82	11.50	83.67	17.35
616	2	77.83	11.49	83.68	17.34

617	1	77.79	11.49	83.64	17.34
617	2	75.40	9.08	83.65	17.33
618	1	77.70	11.41	83.70	17.41
618	2	77.70	11.40	83.70	17.40
619	1	77.66	11.40	83.66	17.40
619	2	77.66	11.38	83.66	17.38
620	1	77.62	11.38	83.62	17.38
620	2	75.33	9.06	83.63	17.36
621	1	82.06	11.58	87.85	17.37
621	2	82.06	11.56	87.85	17.35
622	1	82.02	11.56	87.81	17.35
622	2	82.02	11.54	87.81	17.33
623	1	81.98	11.54	87.77	17.33
623	2	79.60	9.12	87.78	17.30
624	1	81.84	11.33	87.85	17.34
624	2	81.84	11.33	87.85	17.34
625	1	81.80	11.33	87.81	17.34
625	2	81.80	11.30	87.81	17.31
626	1	81.76	11.30	87.77	17.31
626	2	79.57	9.11	87.77	17.31
627	1	83.89	11.15	90.00	17.26
627	2	83.89	11.14	90.00	17.25
628	1	83.85	11.14	89.96	17.25
628	2	83.87	11.07	89.98	17.18
629	1	83.83	11.07	89.94	17.18
629	2	82.12	9.33	89.95	17.16
630	1	83.70	11.54	89.53	17.37
630	2	83.70	11.54	89.53	17.37
631	1	83.66	11.54	89.49	17.37
631	2	83.67	11.52	89.50	17.35
632	1	83.63	11.52	89.46	17.35
632	2	81.80	9.67	89.47	17.34
633	1	78.63	11.43	84.59	17.39
633	2	78.62	11.42	84.58	17.38
634	1	78.58	11.42	84.54	17.38
634	2	78.59	11.39	84.55	17.35
635	1	78.55	11.39	84.51	17.35
635	2	76.67	9.49	84.52	17.34
636	1	75.22	11.36	81.23	17.37
636	2	75.23	11.33	81.24	17.34
637	1	75.19	11.33	81.20	17.34
637	2	73.70	9.84	81.20	17.34
638	1	0.00	-0.43	8.30	7.87
638	2	11.03	-4.06	19.33	4.24

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_7\Relazione\L7_B.doc
Date Created: Saturday, January 23, 2021 - Time: 11 : 39 AM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 7 - Portata massima 200 l/s

```
    5    1
    1    2   50
   49    2   50
   43    2   50
    2    3   20
   18    3   20
   100.00   -10.00
 300.0000     0.0881
```

Time	Pipe 1@ 50%	Pipe 49@ 50%	Pipe 43@ 50%	Pipe 2@ 20%	Pipe 18@ 20%
0.0000	87.49	76.97	77.92	87.54	86.99
0.0881	87.56	76.95	77.91	87.54	86.99
0.1762	87.66	76.91	77.89	87.68	86.98
0.2643	87.79	76.88	77.88	87.82	87.08
0.3523	87.95	76.83	77.86	87.99	87.18
0.4404	87.95	76.79	77.84	88.07	87.33
0.5285	87.98	76.76	77.82	88.03	87.42
0.6166	88.14	76.71	77.81	88.12	87.42
0.7047	88.25	76.67	77.79	88.31	87.51
0.7928	88.29	76.66	77.77	88.40	87.65
0.8809	88.36	76.61	77.81	88.42	87.74
0.9689	88.47	76.57	77.78	88.50	87.79
1.0570	88.59	76.54	77.78	88.62	87.78
1.1451	88.57	76.51	77.81	88.72	87.89
1.2332	88.54	76.47	77.78	88.71	88.02
1.3213	88.59	76.43	77.75	88.67	87.96
1.4094	88.74	76.40	77.72	88.75	87.99
1.4975	88.74	76.36	77.69	88.78	88.11
1.5855	88.76	76.35	77.65	88.77	88.20
1.6736	88.77	76.24	77.61	88.79	88.22
1.7617	88.89	76.15	77.58	88.90	88.20
1.8498	88.91	76.05	77.55	88.99	88.29
1.9379	88.93	76.02	77.51	89.01	88.35
2.0260	88.91	75.95	77.45	89.05	88.39
2.1141	89.08	75.84	77.43	89.12	88.35
2.2022	89.20	75.80	77.39	89.20	88.47
2.2902	89.26	75.75	77.40	89.30	88.64
2.3783	89.33	75.73	77.34	89.36	88.74
2.4664	89.43	75.67	77.32	89.43	88.80
2.5545	89.49	75.62	77.30	89.55	88.83
2.6426	89.52	75.58	77.26	89.60	88.87
2.7307	89.52	75.60	77.23	89.62	88.92
2.8188	89.49	75.56	77.21	89.62	88.94
2.9068	89.58	75.53	77.17	89.63	88.93
2.9949	89.59	75.50	77.14	89.68	88.99
3.0830	89.59	75.47	77.10	89.68	89.06
3.1711	89.63	75.46	77.07	89.67	89.07
3.2592	89.69	75.42	77.06	89.70	89.02
3.3473	89.70	75.40	77.02	89.73	89.08
3.4354	89.64	75.39	77.00	89.74	89.14
3.5234	89.64	75.37	76.97	89.69	89.11
3.6115	89.69	75.35	76.96	89.73	89.07
3.6996	89.71	75.33	76.92	89.77	89.10
3.7877	89.69	75.31	76.88	89.78	89.16
3.8758	89.73	75.32	76.85	89.76	89.18
3.9639	89.78	75.34	76.81	89.81	89.15

4.0520	89.83	75.41	76.79	89.89	89.15
4.1400	89.81	75.49	76.77	89.91	89.22
4.2281	89.83	75.56	76.74	89.90	89.27
4.3162	89.89	75.62	76.72	89.88	89.29
4.4043	89.89	75.69	76.70	89.93	89.30
4.4924	89.90	75.79	76.68	89.99	89.32
4.5805	89.92	75.86	76.65	89.98	89.31
4.6686	89.91	75.91	76.63	89.98	89.34
4.7566	89.95	75.99	76.60	90.00	89.36
4.8447	89.94	76.09	76.58	90.03	89.36
4.9328	89.91	76.17	76.56	90.01	89.38
5.0209	89.92	76.19	76.52	89.99	89.38
5.1090	89.97	76.25	76.50	90.01	89.34
5.1971	89.96	76.34	76.52	90.04	89.36
5.2852	89.94	76.36	76.53	90.02	89.40
5.3732	89.94	76.41	76.61	89.99	89.40
5.4613	89.97	76.44	76.68	90.00	89.36
5.5494	89.98	76.50	76.73	90.02	89.35
5.6375	89.94	76.58	76.75	90.03	89.38
5.7256	89.93	76.60	76.86	90.00	89.39
5.8137	89.98	76.62	76.92	90.00	89.37
5.9018	89.97	76.68	76.95	90.05	89.34
5.9899	89.94	76.71	77.02	90.02	89.39
6.0779	89.94	76.75	77.10	90.00	89.41
6.1660	89.95	76.78	77.18	90.02	89.36
6.2541	89.95	76.83	77.24	90.03	89.35
6.3422	89.95	76.88	77.25	90.02	89.35
6.4303	89.95	76.93	77.27	90.01	89.37
6.5184	89.95	76.97	77.33	90.03	89.38
6.6065	89.99	76.98	77.34	90.06	89.37
6.6945	89.98	77.03	77.35	90.09	89.37
6.7826	89.98	77.07	77.42	90.08	89.41
6.8707	90.00	77.08	77.45	90.02	89.45
6.9588	90.02	77.11	77.50	90.03	89.42
7.0469	90.00	77.17	77.52	90.08	89.43
7.1350	90.01	77.19	77.58	90.13	89.45
7.2231	90.03	77.20	77.59	90.09	89.49
7.3111	90.07	77.25	77.68	90.10	89.49
7.3992	90.08	77.27	77.74	90.14	89.50
7.4873	90.08	77.27	77.78	90.18	89.51
7.5754	90.08	77.25	77.90	90.15	89.55
7.6635	90.10	77.26	77.94	90.11	89.50
7.7516	90.08	77.30	78.00	90.12	89.48
7.8397	90.07	77.33	78.03	90.18	89.51
7.9277	90.07	77.31	78.10	90.15	89.54
8.0158	90.11	77.34	78.09	90.13	89.51
8.1039	90.11	77.39	78.14	90.18	89.46
8.1920	90.11	77.38	78.14	90.21	89.46
8.2801	90.09	77.36	78.20	90.19	89.49
8.3682	90.13	77.36	78.22	90.15	89.51
8.4563	90.12	77.39	78.23	90.19	89.46
8.5443	90.09	77.39	78.29	90.22	89.49
8.6324	90.12	77.39	78.31	90.24	89.56
8.7205	90.17	77.39	78.34	90.22	89.57
8.8086	90.19	77.37	78.36	90.24	89.56
8.8967	90.19	77.38	78.36	90.28	89.55
8.9848	90.18	77.38	78.37	90.28	89.59
9.0729	90.21	77.37	78.43	90.26	89.63
9.1609	90.24	77.38	78.45	90.25	89.61
9.2490	90.21	77.39	78.47	90.27	89.60
9.3371	90.20	77.39	78.53	90.28	89.64

9.4252	90.23	77.38	78.57	90.27	89.68
9.5133	90.24	77.37	78.60	90.28	89.66
9.6014	90.23	77.37	78.58	90.31	89.62
9.6895	90.23	77.37	78.61	90.33	89.64
9.7776	90.25	77.36	78.66	90.32	89.68
9.8656	90.27	77.35	78.65	90.28	89.67
9.9537	90.26	77.36	78.63	90.30	89.62
10.0418	90.23	77.36	78.65	90.33	89.63
10.1299	90.25	77.34	78.69	90.34	89.64
10.2180	90.27	77.34	78.68	90.31	89.66
10.3061	90.25	77.35	78.65	90.31	89.64
10.3942	90.23	77.35	78.65	90.30	89.65
10.4822	90.24	77.35	78.69	90.31	89.68
10.5703	90.25	77.35	78.69	90.30	89.72
10.6584	90.29	77.36	78.67	90.29	89.71
10.7465	90.28	77.37	78.66	90.31	89.71
10.8346	90.29	77.37	78.70	90.36	89.74
10.9227	90.33	77.39	78.71	90.39	89.77
11.0108	90.35	77.41	78.66	90.40	89.77
11.0988	90.35	77.42	78.65	90.38	89.79
11.1869	90.38	77.40	78.69	90.38	89.84
11.2750	90.39	77.41	78.68	90.43	89.87
11.3631	90.40	77.44	78.65	90.47	89.84
11.4512	90.41	77.46	78.61	90.47	89.80
11.5393	90.40	77.46	78.65	90.47	89.82
11.6274	90.41	77.47	78.66	90.49	89.85
11.7154	90.43	77.48	78.64	90.49	89.84
11.8035	90.42	77.50	78.62	90.47	89.81
11.8916	90.41	77.48	78.63	90.47	89.82
11.9797	90.42	77.47	78.66	90.49	89.84
12.0678	90.41	77.46	78.66	90.50	89.84
12.1559	90.39	77.45	78.63	90.47	89.82
12.2440	90.40	77.45	78.62	90.44	89.81
12.3320	90.41	77.44	78.68	90.45	89.84
12.4201	90.40	77.38	78.71	90.47	89.85
12.5082	90.41	77.38	78.65	90.45	89.83
12.5963	90.42	77.40	78.62	90.45	89.81
12.6844	90.41	77.38	78.67	90.47	89.84
12.7725	90.41	77.38	78.66	90.48	89.87
12.8606	90.41	77.38	78.63	90.49	89.86
12.9486	90.41	77.40	78.59	90.50	89.85
13.0367	90.45	77.40	78.61	90.51	89.85
13.1248	90.46	77.37	78.63	90.53	89.89
13.2129	90.45	77.38	78.62	90.52	89.90
13.3010	90.46	77.38	78.58	90.51	89.88
13.3891	90.46	77.37	78.60	90.52	89.88
13.4772	90.45	77.36	78.64	90.55	89.90
13.5653	90.47	77.36	78.63	90.57	89.89
13.6533	90.47	77.37	78.60	90.56	89.87
13.7414	90.48	77.37	78.62	90.54	89.89
13.8295	90.48	77.35	78.66	90.57	89.93
13.9176	90.49	77.35	78.67	90.59	89.94
14.0057	90.49	77.35	78.62	90.56	89.91
14.0938	90.49	77.33	78.64	90.52	89.90
14.1819	90.50	77.30	78.68	90.54	89.94
14.2699	90.48	77.31	78.69	90.57	89.95
14.3580	90.50	77.31	78.66	90.57	89.92
14.4461	90.49	77.30	78.66	90.56	89.91
14.5342	90.50	77.29	78.71	90.57	89.93
14.6223	90.51	77.29	78.73	90.59	89.96
14.7104	90.51	77.28	78.69	90.58	89.97

14.7985	90.53	77.30	78.68	90.57	89.96
14.8865	90.54	77.31	78.72	90.58	89.97
14.9746	90.56	77.32	78.74	90.62	89.99
15.0627	90.55	77.35	78.72	90.63	90.01
15.1508	90.57	77.36	78.70	90.62	90.00
15.2389	90.57	77.37	78.74	90.62	90.01
15.3270	90.58	77.36	78.79	90.64	90.02
15.4151	90.58	77.38	78.77	90.66	90.03
15.5031	90.58	77.40	78.74	90.65	90.01
15.5912	90.60	77.41	78.76	90.63	90.01
15.6793	90.61	77.40	78.79	90.65	90.02
15.7674	90.59	77.40	78.78	90.68	90.04
15.8555	90.59	77.41	78.76	90.68	90.02
15.9436	90.61	77.39	78.76	90.64	90.01
16.0317	90.60	77.36	78.80	90.64	90.03
16.1197	90.59	77.35	78.83	90.66	90.03
16.2078	90.58	77.37	78.80	90.66	90.02
16.2959	90.58	77.35	78.81	90.63	90.01
16.3840	90.58	77.35	78.84	90.62	90.00
16.4721	90.57	77.35	78.85	90.65	89.99
16.5602	90.55	77.35	78.83	90.64	89.99
16.6483	90.55	77.35	78.84	90.61	89.97
16.7363	90.56	77.36	78.85	90.59	89.97
16.8244	90.56	77.37	78.86	90.61	89.98
16.9125	90.55	77.37	78.85	90.64	89.98
17.0006	90.55	77.39	78.85	90.63	89.97
17.0887	90.56	77.40	78.85	90.63	89.97
17.1768	90.58	77.43	78.87	90.64	89.99
17.2649	90.57	77.45	78.85	90.66	90.00
17.3530	90.57	77.45	78.84	90.66	89.99
17.4410	90.58	77.47	78.85	90.65	89.99
17.5291	90.59	77.49	78.86	90.64	90.00
17.6172	90.58	77.50	78.84	90.66	90.02
17.7053	90.58	77.50	78.84	90.68	90.00
17.7934	90.60	77.52	78.84	90.66	89.97
17.8815	90.59	77.53	78.86	90.63	89.99
17.9696	90.58	77.54	78.86	90.63	90.02
18.0576	90.57	77.56	78.83	90.64	90.01
18.1457	90.57	77.56	78.83	90.62	89.99
18.2338	90.57	77.55	78.85	90.61	89.98
18.3219	90.56	77.56	78.84	90.63	89.98
18.4100	90.55	77.57	78.81	90.64	89.97
18.4981	90.56	77.58	78.82	90.62	89.96
18.5862	90.55	77.59	78.83	90.59	89.96
18.6742	90.54	77.60	78.83	90.60	89.97
18.7623	90.55	77.62	78.81	90.63	89.97
18.8504	90.55	77.64	78.81	90.64	89.96
18.9385	90.57	77.64	78.83	90.62	89.97
19.0266	90.58	77.64	78.84	90.62	89.99
19.1147	90.57	77.66	78.80	90.65	89.99
19.2028	90.58	77.68	78.82	90.66	89.98
19.2908	90.58	77.69	78.83	90.63	89.98
19.3789	90.58	77.69	78.82	90.63	89.99
19.4670	90.57	77.70	78.80	90.65	90.00
19.5551	90.58	77.69	78.80	90.67	90.00
19.6432	90.59	77.70	78.81	90.64	90.00
19.7313	90.60	77.69	78.81	90.63	90.00
19.8194	90.58	77.69	78.79	90.65	90.01
19.9074	90.57	77.69	78.78	90.67	90.00
19.9955	90.58	77.69	78.79	90.65	89.99
20.0836	90.57	77.70	78.79	90.61	90.00

20.1717	90.56	77.69	78.79	90.61	90.00
20.2598	90.55	77.67	78.78	90.63	89.98
20.3479	89.91	77.67	78.79	90.39	89.97
20.4360	88.56	77.68	78.79	89.24	89.80
20.5240	86.90	77.65	78.78	87.53	88.96
20.6121	84.90	77.66	78.76	85.58	87.63
20.7002	82.92	77.65	78.76	83.42	85.93
20.7883	81.43	77.65	78.77	81.53	84.00
20.8764	80.26	77.65	78.76	80.27	82.20
20.9645	79.31	77.64	78.74	79.30	80.80
21.0526	78.41	77.64	78.75	78.47	79.64
21.1407	77.20	77.64	78.76	77.48	78.68
21.2287	75.71	77.65	78.73	76.09	77.68
21.3168	74.04	77.65	78.70	74.44	76.39
21.4049	72.14	77.66	78.71	72.62	74.89
21.4930	70.41	77.66	78.71	70.67	73.19
21.5811	69.09	77.67	78.70	69.08	71.37
21.6692	67.97	77.67	78.66	67.98	69.78
21.7573	66.98	77.67	78.67	67.02	68.51
21.8453	66.09	77.66	78.68	66.17	67.39
21.9334	64.98	77.65	78.66	65.26	66.46
22.0215	63.64	77.64	78.63	64.03	65.54
22.1096	62.17	77.64	78.64	62.56	64.39
22.1977	60.64	77.63	78.65	60.97	63.04
22.2858	59.24	77.62	78.66	59.40	61.56
22.3739	58.12	77.61	78.63	58.14	60.04
22.4619	57.36	77.60	78.63	57.18	58.65
22.5500	57.04	77.60	78.65	56.80	57.45
22.6381	56.54	77.60	78.65	56.73	56.77
22.7262	55.92	77.59	78.63	56.16	56.43
22.8143	55.63	77.58	78.62	55.46	55.89
22.9024	55.49	77.59	78.63	55.20	55.42
22.9905	56.04	77.59	78.65	55.51	55.24
23.0785	56.65	77.59	78.64	56.27	55.45
23.1666	56.82	77.58	78.63	56.69	56.00
23.2547	56.97	77.59	78.62	56.76	56.31
23.3428	57.28	77.58	78.64	57.17	56.38
23.4309	56.93	77.58	78.64	57.37	56.66
23.5190	56.51	77.56	78.62	56.83	56.77
23.6071	56.26	77.56	78.62	56.36	56.43
23.6951	55.85	77.58	78.62	56.10	56.17
23.7832	55.23	77.57	78.62	55.45	55.96
23.8713	54.81	77.56	78.61	54.68	55.48
23.9594	54.50	77.56	78.61	54.28	54.89
24.0475	54.65	77.56	78.62	54.32	54.41
24.1356	54.85	77.35	78.64	54.71	54.19
24.2237	54.69	76.79	78.63	54.81	54.30
24.3117	54.39	75.81	78.62	54.55	54.28
24.3998	54.30	74.19	78.64	54.51	53.95
24.4879	53.90	72.39	78.65	54.44	53.74
24.5760	53.35	70.44	78.64	53.89	53.56
24.6641	52.87	68.72	78.64	53.27	53.06
24.7522	52.32	67.19	78.65	52.81	52.50
24.8403	51.44	65.80	78.67	52.11	52.05
24.9284	50.70	64.46	78.66	51.22	51.50
25.0164	50.14	63.00	78.65	50.52	50.79
25.1045	49.92	61.34	78.65	50.17	50.13
25.1926	49.73	59.45	78.67	50.07	49.71
25.2807	49.38	57.38	78.65	49.80	49.50
25.3688	48.90	55.38	78.63	49.30	49.20
25.4569	48.87	53.52	78.32	49.00	48.64

25.5450	48.98	51.85	77.65	48.99	48.29
25.6330	48.83	50.37	76.62	48.96	48.28
25.7211	48.55	48.98	74.97	48.78	48.27
25.8092	48.21	47.50	73.32	48.56	48.09
25.8973	47.83	45.85	71.71	48.20	47.87
25.9854	47.59	44.05	70.35	47.83	47.62
26.0735	47.33	42.16	69.14	47.55	47.37
26.1616	46.96	40.33	68.12	47.22	47.16
26.2496	46.52	38.74	67.02	46.71	46.87
26.3377	46.03	37.48	65.81	46.12	46.43
26.4258	45.64	36.51	64.40	45.62	45.90
26.5139	45.77	35.69	62.69	45.51	45.44
26.6020	46.07	34.98	60.93	45.94	45.23
26.6901	46.14	34.44	59.30	46.26	45.38
26.7782	46.30	34.32	57.77	45.95	45.59
26.8662	46.52	34.56	56.41	45.85	45.47
26.9543	46.67	34.82	55.24	45.95	45.58
27.0424	46.66	35.09	54.04	45.99	45.78
27.1305	46.31	35.52	52.73	45.85	45.89
27.2186	45.68	35.82	51.23	45.46	45.76
27.3067	45.23	35.80	49.53	44.98	45.35
27.3948	44.91	35.64	47.83	44.74	44.79
27.4828	44.62	35.50	46.16	44.58	44.41
27.5709	44.31	35.22	44.77	44.24	44.21
27.6590	43.91	34.90	43.77	43.83	43.89
27.7471	43.29	34.63	42.97	43.30	43.31
27.8352	42.86	34.56	42.23	42.71	42.55
27.9233	42.72	34.77	41.72	42.48	41.95
28.0114	42.76	35.00	41.28	42.76	41.73
28.0994	42.68	35.18	41.33	43.06	41.80
28.1875	42.51	35.54	41.54	42.94	41.94
28.2756	42.31	36.04	41.48	42.44	42.10
28.3637	42.14	36.38	41.43	42.02	42.12
28.4518	41.93	36.61	41.51	41.68	42.16
28.5399	41.59	36.86	41.20	41.18	42.15
28.6280	41.06	36.95	40.71	40.52	41.93
28.7161	40.53	36.82	40.27	40.03	41.46
28.8041	40.03	36.58	39.55	39.78	40.80
28.8922	39.71	36.45	38.68	39.71	40.11
28.9803	39.57	36.47	37.87	39.75	39.74
29.0684	39.50	36.50	37.09	39.71	39.60
29.1565	39.24	36.52	36.63	39.52	39.41
29.2446	38.89	36.78	36.36	39.24	39.05
29.3327	38.62	37.25	36.00	38.99	38.62
29.4207	38.46	37.71	35.67	38.92	38.38
29.5088	38.36	37.98	35.33	38.77	38.40
29.5969	38.30	38.19	34.75	38.38	38.39
29.6850	38.04	38.34	34.16	38.01	38.27
29.7731	37.77	38.37	33.46	37.81	38.06
29.8612	37.52	38.32	32.70	37.56	37.78
29.9493	37.26	38.25	31.92	37.21	37.47
30.0373	36.98	38.18	31.09	36.88	37.24
30.1254	36.66	38.01	30.25	36.58	36.97
30.2135	36.21	37.75	29.63	36.21	36.56
30.3016	35.84	37.60	29.12	35.92	35.93
30.3897	35.51	37.65	28.60	35.78	35.28
30.4778	35.31	37.69	28.09	35.81	34.95
30.5659	35.21	37.61	27.86	35.76	34.85
30.6539	34.98	37.57	27.86	35.49	34.54
30.7420	34.62	37.64	28.03	35.09	34.00
30.8301	34.31	37.53	28.10	34.81	33.24

30.9182	33.99	37.33	28.08	34.48	32.54
31.0063	33.72	36.96	28.02	33.87	32.20
31.0944	33.35	36.51	27.94	33.42	32.01
31.1825	32.77	36.12	27.69	33.09	31.79
31.2705	32.27	35.71	27.40	32.58	31.55
31.3586	32.12	35.36	27.11	32.19	31.22
31.4467	31.93	35.09	26.80	32.19	30.90
31.5348	31.66	34.79	26.57	32.22	30.90
31.6229	31.41	34.41	26.68	31.86	31.04
31.7110	31.02	34.08	26.90	31.15	31.02
31.7991	30.70	33.77	27.02	30.43	30.70
31.8871	30.57	33.47	27.28	30.10	30.34
31.9752	30.39	33.17	27.88	30.13	30.22
32.0633	30.19	32.85	28.44	30.03	30.27
32.1514	30.00	32.69	28.93	29.81	30.04
32.2395	29.78	32.59	29.14	29.64	29.55
32.3276	29.78	32.40	29.05	29.62	29.12
32.4157	30.04	32.23	28.92	29.80	28.90
32.5038	30.04	32.08	28.78	30.00	28.94
32.5918	29.78	31.89	28.46	29.78	29.12
32.6799	29.51	31.74	28.20	29.21	29.25
32.7680	29.22	31.68	28.05	28.82	29.27
32.8561	29.11	31.67	27.73	28.73	29.10
32.9442	29.10	31.74	27.47	28.87	28.95
33.0323	28.89	31.75	27.65	28.84	29.08
33.1204	28.64	31.67	27.95	28.37	29.18
33.2084	28.50	31.65	28.18	27.86	28.99
33.2965	28.43	31.68	28.19	27.76	28.72
33.3846	28.53	31.65	28.19	27.94	28.47
33.4727	28.66	31.67	28.21	28.14	28.41
33.5608	28.50	31.69	28.18	28.22	28.47
33.6489	28.26	31.70	27.93	28.09	28.16
33.7370	28.20	31.76	27.58	27.96	27.65
33.8250	28.15	31.82	27.30	28.06	27.44
33.9131	28.13	31.85	26.95	28.22	27.42
34.0012	28.07	31.86	26.57	28.10	27.37
34.0893	27.78	31.78	26.43	27.61	27.36
34.1774	27.43	31.68	26.36	27.03	27.21
34.2655	27.10	31.62	26.27	26.68	26.93
34.3536	26.74	31.57	25.99	26.60	26.70
34.4416	26.50	31.52	25.68	26.50	26.41
34.5297	26.33	31.37	25.59	26.25	26.11
34.6178	25.93	31.10	25.56	25.91	25.81
34.7059	25.53	30.91	25.34	25.63	25.28
34.7940	25.28	30.59	25.07	25.41	24.69
34.8821	25.03	30.16	24.77	25.22	24.27
34.9702	24.77	29.79	24.51	24.97	23.98
35.0582	24.46	29.31	24.22	24.64	23.67
35.1463	24.00	28.82	23.93	24.17	23.32
35.2344	23.60	28.54	23.60	23.70	22.96
35.3225	23.32	28.29	23.27	23.44	22.77
35.4106	23.10	27.97	22.92	23.24	22.80
35.4987	22.99	27.69	22.57	22.96	22.79
35.5868	22.88	27.34	22.38	22.69	22.66
35.6748	22.56	26.96	22.32	22.44	22.51
35.7629	22.24	26.74	22.02	22.29	22.25
35.8510	22.11	26.47	21.61	22.47	21.97
35.9391	22.05	26.16	21.38	22.45	21.86
36.0272	21.91	25.94	21.16	22.11	21.70
36.1153	21.71	25.73	21.09	22.15	21.38
36.2034	21.53	25.54	21.08	22.18	21.18

36.2914	21.54	25.45	20.86	21.80	20.98
36.3795	21.69	25.27	20.66	21.69	20.80
36.4676	21.73	24.98	20.77	21.84	21.00
36.5557	21.60	24.73	20.81	21.62	21.30
36.6438	21.40	24.47	20.69	21.21	21.32
36.7319	21.19	24.26	20.60	20.89	21.30
36.8200	21.11	24.12	20.48	20.75	21.33
36.9081	21.15	23.92	20.27	20.94	21.37
36.9961	21.12	23.70	20.24	21.02	21.52
37.0842	20.96	23.52	20.25	20.69	21.52
37.1723	20.83	23.35	20.16	20.59	21.13
37.2604	20.84	23.23	19.99	20.86	20.80
37.3485	20.99	23.11	19.79	20.95	20.78
37.4366	21.11	22.93	19.73	20.94	20.84
37.5247	21.04	22.80	19.99	20.95	21.00
37.6127	20.88	22.67	20.22	20.73	21.07
37.7008	20.83	22.53	20.32	20.48	20.90
37.7889	20.92	22.43	20.45	20.50	20.72
37.8770	20.99	22.29	20.64	20.63	20.78
37.9651	20.93	22.07	20.75	20.70	20.92
38.0532	20.70	21.81	20.88	20.48	21.00
38.1413	20.42	21.54	20.86	20.02	20.88
38.2293	20.27	21.24	20.71	19.88	20.52
38.3174	20.24	20.99	20.60	20.21	20.25
38.4055	20.23	20.75	20.56	20.39	20.26
38.4936	20.18	20.43	20.59	20.21	20.24
38.5817	20.06	20.13	20.68	20.08	19.98
38.6698	19.90	19.87	20.66	20.02	19.60
38.7579	19.89	19.60	20.51	19.99	19.32
38.8459	19.93	19.33	20.44	20.08	19.25
38.9340	19.77	19.09	20.51	19.99	19.39
39.0221	19.56	18.80	20.59	19.57	19.44
39.1102	19.37	18.47	20.65	19.22	19.31
39.1983	19.16	18.18	20.66	19.05	19.12
39.2864	19.04	17.94	20.63	19.04	18.89
39.3745	18.97	17.74	20.65	19.16	18.78
39.4625	18.87	17.48	20.63	19.00	18.85
39.5506	18.74	17.16	20.51	18.62	18.88
39.6387	18.63	16.91	20.39	18.57	18.72
39.7268	18.54	16.86	20.14	18.72	18.54
39.8149	18.58	16.73	19.82	18.74	18.50
39.9030	18.67	16.50	19.67	18.77	18.55
39.9911	18.67	16.53	19.54	18.68	18.56
40.0791	18.62	16.55	19.42	18.48	18.45
40.1672	18.62	16.45	19.28	18.55	18.27
40.2553	18.64	16.51	19.06	18.75	18.15
40.3434	18.70	16.60	18.90	18.78	18.19
40.4315	18.73	16.54	18.89	18.75	18.27
40.5196	18.62	16.47	18.87	18.64	18.35
40.6077	18.46	16.36	18.84	18.48	18.32
40.6958	18.34	16.30	18.77	18.47	18.19
40.7838	18.27	16.40	18.67	18.53	18.10
40.8719	18.26	16.35	18.58	18.42	18.09
40.9600	18.23	16.18	18.62	18.25	18.11
41.0481	18.08	16.20	18.66	18.05	18.13
41.1362	17.97	16.30	18.50	17.88	18.02
41.2243	18.01	16.29	18.27	17.98	17.78
41.3124	18.05	16.34	18.14	18.13	17.65
41.4004	18.05	16.42	18.12	18.12	17.64
41.4885	18.07	16.46	18.20	18.09	17.63
41.5766	17.92	16.55	18.30	18.07	17.55

41.6647	17.76	16.60	18.32	18.01	17.39
41.7528	17.80	16.60	18.26	18.07	17.23
41.8409	17.89	16.66	18.28	18.23	17.21
41.9290	17.84	16.62	18.41	18.21	17.28
42.0170	17.71	16.47	18.52	18.01	17.28
42.1051	17.47	16.44	18.53	17.77	17.20
42.1932	17.33	16.49	18.42	17.59	17.05
42.2813	17.36	16.47	18.28	17.50	16.94
42.3694	17.29	16.42	18.30	17.34	16.96
42.4575	17.04	16.43	18.47	17.02	17.00
42.5456	16.87	16.47	18.49	16.70	16.97
42.6336	16.74	16.43	18.42	16.51	16.82
42.7217	16.69	16.37	18.27	16.55	16.56
42.8098	16.76	16.34	18.14	16.74	16.43
42.8979	16.75	16.31	18.19	16.85	16.50
42.9860	16.59	16.26	18.26	16.68	16.50
43.0741	16.45	16.17	18.17	16.41	16.32
43.1622	16.34	16.11	18.06	16.30	16.10
43.2502	16.34	16.13	17.95	16.38	15.99
43.3383	16.34	16.09	17.84	16.45	16.00
43.4264	16.22	15.97	17.82	16.20	16.05
43.5145	16.06	15.94	17.78	15.86	15.96
43.6026	15.96	15.97	17.65	15.78	15.79
43.6907	15.87	15.96	17.42	15.86	15.71
43.7788	15.88	15.99	17.18	15.88	15.75
43.8668	15.91	16.03	17.11	15.79	15.88
43.9549	15.81	16.03	17.10	15.62	15.97
44.0430	15.70	16.05	16.96	15.49	15.87
44.1311	15.72	16.04	16.74	15.52	15.66
44.2192	15.77	16.03	16.56	15.71	15.53
44.3073	15.82	16.08	16.34	15.92	15.54
44.3954	15.79	16.09	16.15	15.89	15.59
44.4835	15.67	16.03	16.02	15.60	15.60
44.5715	15.65	16.00	15.85	15.43	15.42
44.6596	15.65	16.02	15.68	15.59	15.27
44.7477	15.58	16.02	15.55	15.74	15.40
44.8358	15.60	15.98	15.40	15.60	15.57
44.9239	15.64	15.86	15.36	15.41	15.57
45.0120	15.58	15.81	15.38	15.39	15.52
45.1001	15.56	15.83	15.24	15.55	15.42
45.1881	15.58	15.75	15.17	15.77	15.36
45.2762	15.62	15.74	15.21	15.89	15.43
45.3643	15.70	15.77	15.22	15.85	15.48
45.4524	15.67	15.67	15.34	15.80	15.41
45.5405	15.57	15.62	15.48	15.75	15.32
45.6286	15.62	15.67	15.42	15.78	15.19
45.7167	15.69	15.64	15.32	15.89	15.11
45.8047	15.65	15.60	15.31	15.90	15.22
45.8928	15.64	15.57	15.24	15.70	15.37
45.9809	15.63	15.46	15.16	15.54	15.39
46.0690	15.55	15.39	15.12	15.57	15.36
46.1571	15.58	15.38	14.99	15.62	15.34
46.2452	15.67	15.28	14.90	15.70	15.37
46.3333	15.65	15.13	15.01	15.69	15.48
46.4213	15.62	15.02	15.04	15.57	15.46
46.5094	15.57	14.94	15.01	15.59	15.31
46.5975	15.45	14.90	15.12	15.69	15.21
46.6856	15.46	14.89	15.07	15.76	15.11
46.7737	15.57	14.87	14.94	15.87	15.03
46.8618	15.55	14.83	15.06	15.88	15.04
46.9499	15.45	14.79	15.16	15.72	15.07

47.0379	15.39	14.71	15.07	15.58	15.03
47.1260	15.36	14.67	14.96	15.52	14.97
47.2141	15.43	14.61	14.83	15.42	14.99
47.3022	15.47	14.48	14.72	15.35	15.15
47.3903	15.35	14.35	14.75	15.18	15.35
47.4784	15.22	14.28	14.69	14.93	15.41
47.5665	15.20	14.21	14.49	14.87	15.30
47.6545	15.20	14.17	14.39	14.97	15.17
47.7426	15.23	14.17	14.39	15.01	15.15
47.8307	15.23	14.12	14.34	15.00	15.19
47.9188	15.10	14.09	14.37	14.86	15.19
48.0069	14.97	14.13	14.38	14.67	15.08
48.0950	14.97	14.11	14.25	14.70	14.90
48.1831	15.00	14.07	14.16	14.87	14.79
48.2712	15.02	14.08	14.13	14.95	14.82
48.3592	14.99	14.03	14.11	14.93	14.87
48.4473	14.89	13.96	14.13	14.80	14.81
48.5354	14.84	13.96	14.04	14.70	14.71
48.6235	14.89	13.92	13.90	14.77	14.65
48.7116	14.90	13.91	13.90	14.86	14.67
48.7997	14.86	13.94	13.91	14.74	14.81
48.8878	14.79	13.91	13.88	14.53	14.95
48.9758	14.72	13.92	13.93	14.40	14.94
49.0639	14.69	14.01	13.88	14.42	14.77
49.1520	14.74	14.04	13.72	14.63	14.64
49.2401	14.76	14.07	13.77	14.75	14.64
49.3282	14.72	14.15	13.88	14.65	14.70
49.4163	14.66	14.15	13.81	14.51	14.59
49.5044	14.63	14.12	13.75	14.49	14.37
49.5924	14.65	14.15	13.70	14.62	14.26
49.6805	14.68	14.16	13.60	14.81	14.25
49.7686	14.66	14.15	13.59	14.86	14.28
49.8567	14.61	14.18	13.61	14.73	14.28
49.9448	14.60	14.16	13.53	14.64	14.22
50.0329	14.59	14.19	13.51	14.73	14.16
50.1210	14.53	14.29	13.49	14.80	14.20
50.2090	14.48	14.27	13.40	14.71	14.26
50.2971	14.44	14.25	13.45	14.50	14.33
50.3852	14.37	14.27	13.54	14.26	14.37
50.4733	14.29	14.20	13.46	14.17	14.29
50.5614	14.28	14.17	13.35	14.30	14.19
50.6495	14.33	14.20	13.29	14.42	14.20
50.7376	14.38	14.18	13.25	14.43	14.23
50.8256	14.39	14.14	13.28	14.38	14.22
50.9137	14.41	14.16	13.28	14.37	14.17
51.0018	14.46	14.15	13.22	14.48	14.08
51.0899	14.48	14.16	13.19	14.65	14.05
51.1780	14.48	14.19	13.18	14.69	14.11
51.2661	14.47	14.17	13.16	14.57	14.14
51.3542	14.42	14.10	13.26	14.47	14.08
51.4422	14.31	14.11	13.34	14.44	14.05
51.5303	14.22	14.11	13.25	14.41	14.02
51.6184	14.18	14.04	13.22	14.39	13.98
51.7065	14.17	13.97	13.29	14.30	13.99
51.7946	14.15	13.88	13.29	14.13	13.99
51.8827	14.07	13.76	13.31	14.01	13.94
51.9708	14.01	13.69	13.32	13.97	13.91
52.0589	14.04	13.64	13.21	13.99	13.86
52.1469	14.08	13.58	13.12	14.06	13.82
52.2350	14.09	13.56	13.14	14.07	13.86
52.3231	14.08	13.55	13.20	14.00	13.88

52.4112	14.02	13.53	13.28	14.01	13.82
52.4993	13.96	13.52	13.29	14.04	13.71
52.5874	13.97	13.54	13.26	14.07	13.64
52.6755	13.98	13.48	13.31	14.09	13.62
52.7635	13.94	13.38	13.42	14.03	13.64
52.8516	13.87	13.34	13.48	13.90	13.66
52.9397	13.79	13.33	13.50	13.82	13.63
53.0278	13.76	13.26	13.50	13.82	13.60
53.1159	13.85	13.20	13.49	13.87	13.60
53.2040	13.89	13.18	13.51	13.93	13.61
53.2921	13.83	13.15	13.57	13.85	13.67
53.3801	13.78	13.13	13.63	13.70	13.69
53.4682	13.78	13.11	13.60	13.69	13.59
53.5563	13.77	13.09	13.49	13.73	13.53
53.6444	13.76	13.11	13.49	13.71	13.54
53.7325	13.71	13.11	13.58	13.68	13.59
53.8206	13.64	13.07	13.61	13.57	13.62
53.9087	13.63	13.04	13.59	13.46	13.53
53.9967	13.61	13.04	13.61	13.52	13.40
54.0848	13.63	12.99	13.61	13.66	13.40
54.1729	13.69	12.93	13.60	13.72	13.46
54.2610	13.67	12.89	13.63	13.67	13.53
54.3491	13.59	12.88	13.61	13.55	13.57
54.4372	13.63	12.88	13.55	13.53	13.52
54.5253	13.72	12.91	13.48	13.74	13.45
54.6133	13.75	12.95	13.40	13.92	13.51
54.7014	13.74	13.01	13.41	13.88	13.57
54.7895	13.68	13.07	13.43	13.74	13.55
54.8776	13.67	13.08	13.37	13.69	13.49
54.9657	13.72	13.09	13.27	13.72	13.40
55.0538	13.71	13.11	13.22	13.76	13.39
55.1419	13.64	13.10	13.20	13.72	13.51
55.2299	13.63	13.05	13.16	13.55	13.59
55.3180	13.63	13.00	13.10	13.43	13.57
55.4061	13.59	12.97	13.01	13.45	13.54
55.4942	13.61	12.96	12.94	13.56	13.48
55.5823	13.65	12.96	12.87	13.72	13.48
55.6704	13.65	12.96	12.84	13.74	13.56
55.7585	13.63	12.93	12.85	13.61	13.58
55.8466	13.60	12.91	12.85	13.57	13.48
55.9346	13.61	12.93	12.81	13.71	13.41
56.0227	13.66	12.94	12.82	13.85	13.39
56.1108	13.66	12.92	12.86	13.86	13.39
56.1989	13.64	12.91	12.90	13.78	13.39
56.2870	13.65	12.87	12.95	13.70	13.32
56.3751	13.64	12.81	12.98	13.72	13.26
56.4632	13.60	12.79	12.93	13.79	13.27
56.5512	13.60	12.77	12.87	13.77	13.29
56.6393	13.61	12.72	12.87	13.66	13.31
56.7274	13.58	12.66	12.89	13.57	13.35
56.8155	13.54	12.63	12.87	13.52	13.38
56.9036	13.48	12.63	12.83	13.51	13.33
56.9917	13.46	12.66	12.80	13.57	13.29
57.0798	13.52	12.66	12.81	13.61	13.31
57.1678	13.53	12.63	12.88	13.56	13.31
57.2559	13.47	12.63	12.96	13.52	13.25
57.3440	13.44	12.63	12.98	13.53	13.19
57.4321	13.45	12.57	13.01	13.61	13.14
57.5202	13.47	12.52	13.02	13.68	13.09
57.6083	13.49	12.51	13.00	13.66	13.06
57.6964	13.48	12.45	13.04	13.60	13.05

57.7844	13.42	12.39	13.09	13.57	13.06
57.8725	13.37	12.38	13.03	13.51	13.07
57.9606	13.34	12.38	12.97	13.46	13.07
58.0487	13.32	12.37	12.95	13.40	13.08
58.1368	13.34	12.33	12.94	13.29	13.15
58.2249	13.29	12.30	12.99	13.17	13.24
58.3130	13.18	12.33	13.00	13.04	13.27
58.4010	13.17	12.36	12.93	12.96	13.27
58.4891	13.23	12.34	12.89	12.98	13.27
58.5772	13.26	12.34	12.95	13.04	13.27
58.6653	13.24	12.37	12.99	13.03	13.29
58.7534	13.22	12.38	12.97	13.00	13.28
58.8415	13.22	12.36	12.97	13.07	13.19
58.9296	13.28	12.35	12.93	13.19	13.07
59.0176	13.32	12.36	12.86	13.32	13.03
59.1057	13.31	12.37	12.87	13.38	13.05
59.1938	13.29	12.37	12.87	13.31	13.09
59.2819	13.25	12.36	12.85	13.22	13.10
59.3700	13.23	12.38	12.82	13.20	13.10
59.4581	13.26	12.41	12.77	13.22	13.11
59.5462	13.28	12.40	12.76	13.24	13.17
59.6343	13.24	12.38	12.84	13.18	13.27
59.7223	13.19	12.40	12.88	13.03	13.31
59.8104	13.19	12.41	12.83	12.95	13.29
59.8985	13.24	12.41	12.79	13.03	13.24
59.9866	13.29	12.43	12.80	13.16	13.22
60.0747	13.29	12.48	12.79	13.21	13.25
60.1628	13.27	12.51	12.79	13.18	13.27
60.2509	13.28	12.54	12.78	13.17	13.18
60.3389	13.33	12.55	12.72	13.27	13.05
60.4270	13.37	12.56	12.68	13.45	12.98
60.5151	13.36	12.58	12.68	13.56	13.00
60.6032	13.32	12.57	12.65	13.53	13.04
60.6913	13.30	12.53	12.67	13.41	13.02
60.7794	13.27	12.51	12.70	13.35	12.96
60.8675	13.26	12.50	12.65	13.42	12.95
60.9555	13.26	12.49	12.62	13.49	12.99
61.0436	13.25	12.47	12.66	13.43	13.03
61.1317	13.22	12.45	12.69	13.29	13.06
61.2198	13.21	12.44	12.67	13.19	13.05
61.3079	13.22	12.44	12.64	13.22	13.01
61.3960	13.24	12.45	12.60	13.31	13.01
61.4841	13.27	12.45	12.57	13.33	13.08
61.5721	13.25	12.46	12.58	13.26	13.12
61.6602	13.25	12.45	12.57	13.21	13.08
61.7483	13.27	12.41	12.57	13.23	13.01
61.8364	13.26	12.40	12.58	13.31	12.96
61.9245	13.25	12.39	12.56	13.39	12.95
62.0126	13.24	12.35	12.53	13.40	12.95
62.1007	13.23	12.30	12.58	13.31	12.94
62.1887	13.22	12.26	12.62	13.24	12.91
62.2768	13.19	12.24	12.61	13.28	12.87
62.3649	13.16	12.22	12.58	13.35	12.87
62.4530	13.17	12.17	12.57	13.33	12.91
62.5411	13.18	12.14	12.59	13.24	12.94
62.6292	13.15	12.15	12.61	13.15	12.94
62.7173	13.12	12.16	12.60	13.11	12.93
62.8053	13.10	12.13	12.57	13.12	12.95
62.8934	13.11	12.12	12.55	13.10	12.98
62.9815	13.13	12.13	12.54	13.04	12.97
63.0696	13.13	12.11	12.54	13.01	12.96

63.1577	13.09	12.07	12.55	12.99	12.98
63.2458	13.07	12.07	12.55	12.96	12.96
63.3339	13.08	12.08	12.52	12.99	12.92
63.4220	13.10	12.06	12.47	13.03	12.92
63.5100	13.13	12.06	12.48	13.05	12.94
63.5981	13.12	12.07	12.55	13.05	12.95
63.6862	13.07	12.08	12.59	13.05	12.97
63.7743	13.06	12.11	12.57	13.07	12.95
63.8624	13.09	12.11	12.57	13.12	12.90
63.9505	13.12	12.12	12.63	13.16	12.90
64.0386	13.13	12.16	12.68	13.15	12.93
64.1266	13.09	12.18	12.71	13.11	12.93
64.2147	13.04	12.18	12.70	13.04	12.94
64.3028	13.08	12.20	12.67	12.99	12.92
64.3909	13.11	12.24	12.67	12.99	12.89
64.4790	13.09	12.25	12.66	13.00	12.91
64.5671	13.05	12.25	12.65	12.97	12.94
64.6552	13.00	12.26	12.67	12.91	12.94
64.7432	12.99	12.26	12.63	12.91	12.89
64.8313	13.03	12.29	12.57	12.99	12.84
64.9194	13.07	12.28	12.56	13.11	12.84
65.0075	13.05	12.25	12.60	13.14	12.89
65.0956	13.02	12.29	12.63	13.08	12.91
65.1837	13.03	12.31	12.62	13.06	12.86
65.2718	13.06	12.30	12.57	13.12	12.79
65.3598	13.13	12.31	12.55	13.22	12.77
65.4479	13.14	12.34	12.57	13.30	12.81
65.5360	13.11	12.36	12.55	13.26	12.86
65.6241	13.09	12.37	12.50	13.15	12.85
65.7122	13.10	12.36	12.46	13.12	12.81
65.8003	13.11	12.37	12.40	13.17	12.80
65.8884	13.11	12.38	12.35	13.21	12.85
65.9764	13.08	12.37	12.31	13.17	12.90
66.0645	13.03	12.34	12.28	13.04	12.91
66.1526	13.03	12.33	12.25	12.94	12.89
66.2407	13.04	12.33	12.21	12.98	12.87
66.3288	13.02	12.32	12.15	13.06	12.87
66.4169	13.03	12.31	12.16	13.06	12.89
66.5050	13.02	12.29	12.19	13.00	12.94
66.5930	13.00	12.28	12.20	12.94	12.91
66.6811	13.03	12.26	12.20	12.98	12.82
66.7692	13.07	12.23	12.19	13.13	12.76
66.8573	13.08	12.22	12.17	13.23	12.79
66.9454	13.08	12.23	12.19	13.23	12.83
67.0335	13.07	12.21	12.21	13.18	12.80
67.1216	13.07	12.19	12.19	13.15	12.73
67.2097	13.07	12.17	12.18	13.18	12.71
67.2977	13.04	12.17	12.20	13.24	12.74
67.3858	13.01	12.14	12.19	13.18	12.78
67.4739	13.03	12.08	12.20	13.03	12.80
67.5620	13.03	12.06	12.26	12.94	12.81
67.6501	12.99	12.07	12.29	12.95	12.82
67.7382	12.98	12.05	12.28	12.99	12.84
67.8263	13.00	12.00	12.29	12.98	12.88
67.9143	13.03	12.00	12.33	12.95	12.90
68.0024	13.03	12.03	12.38	12.95	12.87
68.0905	13.02	11.99	12.41	13.00	12.81
68.1786	13.02	11.98	12.42	13.07	12.77
68.2667	13.03	11.99	12.41	13.13	12.75
68.3548	13.05	11.97	12.42	13.14	12.75
68.4429	13.05	11.96	12.46	13.14	12.73

68.5309	13.06	11.92	12.48	13.11	12.70
68.6190	13.03	11.90	12.50	13.10	12.70
68.7071	12.99	11.90	12.50	13.09	12.72
68.7952	12.98	11.86	12.48	13.05	12.74
68.8833	12.98	11.84	12.49	12.96	12.77
68.9714	12.97	11.83	12.51	12.87	12.80
69.0595	12.92	11.86	12.53	12.82	12.84
69.1475	12.87	11.87	12.53	12.77	12.88
69.2356	12.89	11.86	12.51	12.75	12.87
69.3237	12.94	11.89	12.49	12.77	12.87
69.4118	12.97	11.92	12.51	12.80	12.88
69.4999	12.93	11.93	12.54	12.83	12.88
69.5880	12.90	11.94	12.54	12.82	12.85
69.6761	12.92	11.95	12.49	12.82	12.79
69.7641	12.97	11.97	12.47	12.89	12.76
69.8522	13.01	12.01	12.46	12.97	12.76
69.9403	13.00	12.00	12.47	12.99	12.80
70.0284	12.96	12.01	12.47	12.95	12.82
70.1165	12.94	12.04	12.42	12.92	12.79
70.2046	12.96	12.05	12.37	12.94	12.75
70.2927	12.98	12.04	12.35	12.99	12.75
70.3807	12.97	12.03	12.34	13.01	12.79
70.4688	12.91	12.07	12.35	12.94	12.84
70.5569	12.89	12.09	12.35	12.82	12.86
70.6450	12.91	12.09	12.31	12.79	12.84
70.7331	12.95	12.10	12.28	12.84	12.83
70.8212	12.97	12.13	12.28	12.92	12.85
70.9093	12.94	12.16	12.29	12.92	12.88
70.9974	12.92	12.16	12.29	12.86	12.87
71.0854	12.94	12.14	12.25	12.84	12.79
71.1735	12.97	12.17	12.20	12.93	12.72
71.2616	12.98	12.18	12.19	13.05	12.72
71.3497	12.96	12.16	12.19	13.09	12.75
71.4378	12.92	12.15	12.18	13.01	12.75
71.5259	12.92	12.16	12.15	12.96	12.71
71.6140	12.93	12.20	12.15	13.01	12.65
71.7020	12.95	12.17	12.14	13.11	12.60
71.7901	12.95	12.17	12.15	13.16	12.64
71.8782	12.95	12.21	12.16	13.09	12.72
71.9663	12.93	12.20	12.22	12.98	12.73
72.0544	12.93	12.19	12.24	12.94	12.68
72.1425	12.95	12.18	12.24	12.97	12.67
72.2306	12.93	12.17	12.24	13.01	12.71
72.3186	12.92	12.17	12.27	12.97	12.75
72.4067	12.91	12.14	12.27	12.89	12.75
72.4948	12.90	12.11	12.26	12.82	12.70
72.5829	12.89	12.08	12.26	12.88	12.65
72.6710	12.88	12.08	12.25	12.97	12.64
72.7591	12.86	12.03	12.24	12.98	12.65
72.8472	12.85	11.96	12.25	12.91	12.64
72.9352	12.85	11.95	12.28	12.85	12.60
73.0233	12.85	11.93	12.31	12.89	12.55
73.1114	12.84	11.88	12.32	12.97	12.53
73.1995	12.83	11.87	12.31	12.98	12.56
73.2876	12.83	11.87	12.33	12.92	12.59
73.3757	12.84	11.88	12.37	12.87	12.58
73.4638	12.84	11.89	12.40	12.85	12.55
73.5518	12.80	11.87	12.41	12.85	12.56
73.6399	12.76	11.87	12.39	12.83	12.60
73.7280	12.77	11.87	12.37	12.77	12.63
73.8161	12.80	11.85	12.36	12.69	12.65

73.9042	12.80	11.80	12.37	12.66	12.66
73.9923	12.78	11.80	12.37	12.66	12.68
74.0804	12.76	11.80	12.33	12.68	12.73
74.1684	12.76	11.78	12.30	12.67	12.72
74.2565	12.80	11.75	12.28	12.64	12.70
74.3446	12.82	11.74	12.30	12.65	12.70
74.4327	12.80	11.75	12.34	12.72	12.70
74.5208	12.75	11.77	12.36	12.77	12.68
74.6089	12.77	11.76	12.33	12.76	12.65
74.6970	12.83	11.77	12.32	12.76	12.64
74.7851	12.87	11.84	12.34	12.79	12.65
74.8731	12.85	11.86	12.38	12.83	12.67
74.9612	12.81	11.87	12.40	12.84	12.68
75.0493	12.80	11.88	12.39	12.84	12.66
75.1374	12.84	11.90	12.37	12.83	12.64
75.2255	12.88	11.92	12.36	12.83	12.63
75.3136	12.85	11.88	12.38	12.83	12.65
75.4017	12.80	11.89	12.39	12.81	12.69
75.4897	12.77	11.93	12.38	12.77	12.70
75.5778	12.80	11.92	12.34	12.75	12.66
75.6659	12.85	11.93	12.31	12.80	12.64
75.7540	12.89	11.93	12.31	12.87	12.68
75.8421	12.86	11.98	12.34	12.91	12.74
75.9302	12.84	12.00	12.33	12.88	12.73
76.0183	12.88	11.97	12.30	12.87	12.66
76.1063	12.91	12.01	12.28	12.96	12.62
76.1944	12.95	12.02	12.26	13.06	12.63
76.2825	12.95	12.05	12.28	13.10	12.66
76.3706	12.92	12.06	12.28	13.06	12.68
76.4587	12.91	12.03	12.24	13.00	12.64
76.5468	12.92	12.06	12.20	13.01	12.59
76.6349	12.92	12.06	12.20	13.09	12.57
76.7229	12.88	12.04	12.18	13.10	12.60
76.8110	12.84	12.02	12.15	12.97	12.66
76.8991	12.82	12.03	12.15	12.82	12.67
76.9872	12.80	12.03	12.13	12.78	12.64
77.0753	12.81	11.99	12.09	12.82	12.60
77.1634	12.80	11.96	12.07	12.87	12.65
77.2515	12.77	11.96	12.07	12.82	12.71
77.3395	12.79	11.94	12.07	12.73	12.70
77.4276	12.81	11.89	12.09	12.74	12.64
77.5157	12.85	11.85	12.08	12.83	12.58
77.6038	12.85	11.84	12.06	12.94	12.58
77.6919	12.83	11.87	12.07	12.96	12.63
77.7800	12.83	11.83	12.08	12.89	12.63
77.8681	12.83	11.80	12.08	12.85	12.57
77.9561	12.84	11.81	12.09	12.89	12.50
78.0442	12.81	11.83	12.09	12.96	12.49
78.1323	12.77	11.82	12.08	12.96	12.53
78.2204	12.74	11.80	12.08	12.85	12.58
78.3085	12.75	11.78	12.10	12.73	12.57
78.3966	12.76	11.79	12.14	12.70	12.55
78.4847	12.73	11.77	12.14	12.75	12.55
78.5728	12.70	11.76	12.12	12.74	12.59
78.6608	12.70	11.75	12.12	12.67	12.63
78.7489	12.72	11.73	12.14	12.60	12.63
78.8370	12.76	11.73	12.17	12.62	12.59
78.9251	12.77	11.71	12.19	12.69	12.57
79.0132	12.74	11.72	12.17	12.75	12.59
79.1013	12.75	11.72	12.17	12.75	12.60
79.1894	12.78	11.70	12.19	12.73	12.57

79.2774	12.78	11.70	12.23	12.74	12.53
79.3655	12.78	11.71	12.25	12.79	12.51
79.4536	12.74	11.75	12.27	12.83	12.52
79.5417	12.72	11.74	12.27	12.82	12.52
79.6298	12.75	11.70	12.24	12.78	12.53
79.7179	12.77	11.74	12.26	12.76	12.56
79.8060	12.75	11.76	12.30	12.76	12.57
79.8940	12.72	11.79	12.32	12.76	12.59
79.9821	12.70	11.79	12.31	12.72	12.61
80.0702	12.73	11.79	12.30	12.64	12.63
80.1583	12.77	11.86	12.29	12.60	12.64
80.2464	12.77	11.86	12.31	12.62	12.65
80.3345	12.73	11.87	12.32	12.67	12.67
80.4226	12.73	11.90	12.30	12.70	12.66
80.5106	12.77	11.90	12.26	12.69	12.64
80.5987	12.80	11.92	12.23	12.70	12.61
80.6868	12.82	11.91	12.23	12.78	12.61
80.7749	12.80	11.92	12.25	12.87	12.63
80.8630	12.78	11.94	12.25	12.87	12.63
80.9511	12.79	11.93	12.23	12.84	12.59
81.0392	12.82	11.93	12.19	12.86	12.56
81.1272	12.83	11.92	12.19	12.92	12.56
81.2153	12.81	11.97	12.21	12.95	12.60
81.3034	12.77	12.01	12.21	12.88	12.62
81.3915	12.74	12.00	12.18	12.79	12.59
81.4796	12.78	12.00	12.15	12.76	12.56
81.5677	12.79	12.02	12.13	12.80	12.56
81.6558	12.76	12.04	12.12	12.81	12.60
81.7438	12.73	12.04	12.09	12.73	12.64
81.8319	12.73	12.01	12.05	12.65	12.65
81.9200	12.74	12.01	12.02	12.64	12.62
82.0081	12.77	12.01	12.00	12.71	12.58
82.0962	12.78	12.00	11.96	12.80	12.59
82.1843	12.75	11.99	11.92	12.80	12.63
82.2724	12.75	11.97	11.93	12.74	12.63
82.3605	12.76	11.97	11.95	12.73	12.55
82.4485	12.77	11.96	11.96	12.83	12.49
82.5366	12.79	11.95	11.98	12.93	12.49
82.6247	12.76	11.98	11.97	12.93	12.54
82.7128	12.74	11.98	12.00	12.86	12.56
82.8009	12.76	11.94	12.07	12.80	12.52
82.8890	12.77	11.93	12.08	12.82	12.47
82.9771	12.76	11.93	12.08	12.90	12.47
83.0651	12.74	11.95	12.08	12.88	12.51
83.1532	12.73	11.89	12.10	12.76	12.55
83.2413	12.71	11.85	12.11	12.66	12.54
83.3294	12.73	11.86	12.10	12.65	12.52
83.4175	12.74	11.85	12.09	12.71	12.50
83.5056	12.71	11.85	12.08	12.75	12.53
83.5937	12.69	11.80	12.04	12.70	12.56
83.6817	12.68	11.77	12.04	12.62	12.54
83.7698	12.67	11.78	12.10	12.63	12.47
83.8579	12.69	11.76	12.13	12.72	12.42
83.9460	12.69	11.75	12.11	12.79	12.44
84.0341	12.70	11.73	12.11	12.79	12.48
84.1222	12.71	11.71	12.16	12.76	12.49
84.2103	12.72	11.71	12.19	12.72	12.45
84.2983	12.74	11.70	12.23	12.76	12.43
84.3864	12.71	11.71	12.21	12.79	12.47
84.4745	12.69	11.72	12.18	12.76	12.52
84.5626	12.69	11.71	12.17	12.67	12.55

84.6507	12.70	11.72	12.17	12.57	12.54
84.7388	12.69	11.73	12.17	12.55	12.54
84.8269	12.65	11.74	12.18	12.60	12.57
84.9149	12.64	11.75	12.15	12.60	12.59
85.0030	12.65	11.73	12.11	12.52	12.60
85.0911	12.67	11.72	12.11	12.45	12.59
85.1792	12.67	11.73	12.13	12.48	12.59
85.2673	12.65	11.77	12.13	12.60	12.57
85.3554	12.66	11.77	12.13	12.68	12.55
85.4435	12.71	11.76	12.13	12.67	12.56
85.5315	12.75	11.78	12.12	12.64	12.57
85.6196	12.75	11.81	12.17	12.69	12.55
85.7077	12.73	11.83	12.20	12.79	12.53
85.7958	12.72	11.85	12.20	12.84	12.53
85.8839	12.73	11.86	12.17	12.83	12.52
85.9720	12.74	11.86	12.15	12.77	12.51
86.0601	12.75	11.88	12.17	12.75	12.52
86.1482	12.75	11.88	12.18	12.76	12.54
86.2362	12.71	11.89	12.17	12.77	12.57
86.3243	12.70	11.88	12.13	12.72	12.59
86.4124	12.73	11.86	12.09	12.66	12.57
86.5005	12.75	11.87	12.06	12.67	12.56
86.5886	12.75	11.89	12.04	12.73	12.59
86.6767	12.74	11.92	12.01	12.78	12.61
86.7648	12.73	11.91	11.99	12.75	12.60
86.8528	12.75	11.89	11.98	12.74	12.57
86.9409	12.78	11.93	12.00	12.80	12.52
87.0290	12.79	11.94	11.97	12.89	12.51
87.1171	12.78	11.97	11.97	12.90	12.54
87.2052	12.76	11.95	11.98	12.85	12.53
87.2933	12.74	11.92	12.01	12.84	12.47
87.3814	12.75	11.93	12.03	12.89	12.39
87.4694	12.77	11.91	12.02	12.95	12.38
87.5575	12.75	11.91	12.00	12.91	12.45
87.6456	12.71	11.87	11.99	12.81	12.51
87.7337	12.69	11.84	12.00	12.73	12.49
87.8218	12.69	11.82	12.00	12.73	12.44
87.9099	12.71	11.78	11.98	12.76	12.45
87.9980	12.70	11.80	11.95	12.74	12.52
88.0860	12.67	11.77	11.94	12.66	12.59
88.1741	12.65	11.75	11.96	12.58	12.57
88.2622	12.67	11.76	11.97	12.59	12.51
88.3503	12.70	11.74	11.97	12.67	12.46
88.4384	12.70	11.76	11.98	12.74	12.48
88.5265	12.69	11.73	11.99	12.72	12.52
88.6146	12.68	11.68	12.01	12.68	12.51
88.7026	12.69	11.66	12.06	12.68	12.42
88.7907	12.70	11.65	12.07	12.78	12.33
88.8788	12.69	11.67	12.06	12.84	12.34
88.9669	12.66	11.64	12.04	12.80	12.41
89.0550	12.63	11.62	12.04	12.72	12.46
89.1431	12.63	11.61	12.07	12.66	12.42
89.2312	12.65	11.61	12.11	12.65	12.36
89.3192	12.64	11.62	12.06	12.67	12.39
89.4073	12.61	11.60	12.04	12.64	12.50
89.4954	12.61	11.58	12.08	12.54	12.58
89.5835	12.63	11.59	12.08	12.44	12.57
89.6716	12.65	11.61	12.10	12.45	12.52
89.7597	12.65	11.61	12.07	12.54	12.51
89.8478	12.65	11.61	12.07	12.61	12.54
89.9359	12.65	11.61	12.09	12.60	12.57

90.0239	12.67	11.61	12.10	12.53	12.55
90.1120	12.67	11.62	12.14	12.54	12.49
90.2001	12.66	11.65	12.15	12.66	12.45
90.2882	12.66	11.69	12.16	12.76	12.45
90.3763	12.67	11.69	12.14	12.76	12.47
90.4644	12.69	11.70	12.12	12.70	12.48
90.5525	12.71	11.73	12.19	12.66	12.47
90.6405	12.69	11.76	12.23	12.70	12.44
90.7286	12.65	11.79	12.22	12.77	12.46
90.8167	12.66	11.79	12.18	12.73	12.49
90.9048	12.68	11.79	12.18	12.63	12.52
90.9929	12.69	11.81	12.19	12.58	12.52
91.0810	12.69	11.82	12.19	12.59	12.52
91.1691	12.67	11.83	12.17	12.65	12.56
91.2571	12.67	11.80	12.14	12.67	12.58
91.3452	12.69	11.80	12.11	12.63	12.57
91.4333	12.71	11.82	12.11	12.61	12.54
91.5214	12.73	11.80	12.11	12.68	12.51
91.6095	12.71	11.82	12.09	12.77	12.51
91.6976	12.69	11.82	12.10	12.77	12.49
91.7857	12.67	11.83	12.09	12.76	12.45
91.8737	12.71	11.84	12.08	12.78	12.41
91.9618	12.74	11.84	12.09	12.82	12.40
92.0499	12.71	11.88	12.07	12.83	12.42
92.1380	12.67	11.90	12.06	12.80	12.44
92.2261	12.64	11.89	12.05	12.76	12.42
92.3142	12.66	11.87	12.05	12.74	12.39
92.4023	12.69	11.88	12.03	12.74	12.40
92.4903	12.67	11.92	11.98	12.71	12.48
92.5784	12.63	11.90	11.97	12.62	12.55
92.6665	12.61	11.86	11.95	12.55	12.56
92.7546	12.61	11.84	11.95	12.54	12.50
92.8427	12.63	11.84	11.92	12.58	12.45
92.9308	12.64	11.82	11.87	12.60	12.49
93.0189	12.64	11.78	11.86	12.59	12.54
93.1069	12.60	11.76	11.90	12.58	12.51
93.1950	12.61	11.75	11.93	12.59	12.42
93.2831	12.65	11.75	11.95	12.66	12.35
93.3712	12.67	11.76	11.90	12.74	12.37
93.4593	12.65	11.77	11.90	12.75	12.41
93.5474	12.62	11.75	11.95	12.71	12.43
93.6355	12.63	11.75	11.99	12.70	12.37
93.7236	12.65	11.75	12.02	12.74	12.30
93.8116	12.65	11.75	12.02	12.76	12.33
93.8997	12.61	11.76	12.00	12.71	12.43
93.9878	12.59	11.73	12.03	12.62	12.48
94.0759	12.60	11.69	12.05	12.55	12.45
94.1640	12.62	11.70	12.08	12.52	12.41
94.2521	12.61	11.69	12.03	12.55	12.41
94.3402	12.60	11.69	12.00	12.55	12.48
94.4282	12.59	11.66	12.01	12.51	12.51
94.5163	12.59	11.65	12.05	12.48	12.48
94.6044	12.60	11.68	12.07	12.48	12.43
94.6925	12.62	11.68	12.06	12.58	12.38
94.7806	12.63	11.69	12.04	12.69	12.40
94.8687	12.63	11.66	12.06	12.70	12.44
94.9568	12.63	11.65	12.11	12.62	12.44
95.0448	12.64	11.66	12.14	12.58	12.40
95.1329	12.63	11.65	12.15	12.65	12.37
95.2210	12.63	11.66	12.14	12.75	12.39
95.3091	12.63	11.67	12.14	12.74	12.43

95.3972	12.61	11.69	12.12	12.62	12.46
95.4853	12.64	11.68	12.13	12.50	12.46
95.5734	12.60	11.67	12.16	12.50	12.44
95.6614	12.57	11.71	12.14	12.56	12.46
95.7495	12.57	11.71	12.11	12.58	12.48
95.8376	12.59	11.70	12.07	12.49	12.50
95.9257	12.61	11.70	12.06	12.41	12.51
96.0138	12.61	11.72	12.09	12.45	12.49
96.1019	12.59	11.76	12.06	12.58	12.48
96.1900	12.61	11.73	12.04	12.67	12.48
96.2780	12.64	11.72	12.05	12.65	12.48
96.3661	12.67	11.72	12.08	12.59	12.47
96.4542	12.68	11.72	12.09	12.62	12.46
96.5423	12.68	11.75	12.06	12.74	12.45
96.6304	12.67	11.75	12.06	12.81	12.46
96.7185	12.67	11.76	12.06	12.80	12.46
96.8066	12.69	11.77	12.04	12.75	12.44
96.8946	12.71	11.79	12.05	12.72	12.42
96.9827	12.68	11.80	11.99	12.76	12.44
97.0708	12.65	11.80	11.98	12.78	12.48
97.1589	12.62	11.83	11.98	12.72	12.47
97.2470	12.64	11.81	11.96	12.64	12.44
97.3351	12.66	11.80	11.92	12.59	12.43
97.4232	12.64	11.83	11.87	12.60	12.48
97.5113	12.64	11.84	11.86	12.63	12.53
97.5993	12.64	11.83	11.87	12.64	12.52
97.6874	12.65	11.79	11.89	12.64	12.47
97.7755	12.66	11.79	11.89	12.64	12.42
97.8636	12.67	11.82	11.86	12.69	12.43
97.9517	12.66	11.83	11.83	12.74	12.47
98.0398	12.66	11.80	11.86	12.75	12.46
98.1279	12.65	11.78	11.92	12.76	12.40
98.2159	12.67	11.79	11.93	12.79	12.34
98.3040	12.68	11.80	11.89	12.80	12.34
98.3921	12.67	11.79	11.90	12.80	12.41
98.4802	12.62	11.73	11.93	12.76	12.43
98.5683	12.62	11.72	11.97	12.71	12.39
98.6564	12.65	11.71	11.96	12.70	12.34
98.7445	12.65	11.68	11.91	12.67	12.36
98.8325	12.60	11.68	11.91	12.62	12.45
98.9206	12.58	11.66	11.93	12.56	12.50
99.0087	12.58	11.65	11.95	12.50	12.47
99.0968	12.60	11.64	11.95	12.50	12.41
99.1849	12.61	11.63	11.92	12.55	12.38
99.2730	12.60	11.65	11.93	12.61	12.43
99.3611	12.59	11.63	11.95	12.62	12.46
99.4491	12.59	11.59	11.99	12.60	12.43
99.5372	12.61	11.57	12.01	12.60	12.35
99.6253	12.61	11.60	12.04	12.66	12.28
99.7134	12.59	11.61	12.01	12.72	12.31
99.8015	12.58	11.57	12.03	12.71	12.38
99.8896	12.57	11.55	12.05	12.65	12.42
99.9777	12.61	11.56	12.07	12.59	12.38
100.0657	12.60	11.58	12.08	12.60	12.31
100.1538	12.58	11.58	12.05	12.63	12.33
100.2419	12.57	11.57	12.01	12.60	12.44
100.3300	12.56	11.60	12.02	12.48	12.51
100.4181	12.57	11.61	12.03	12.38	12.50
100.5062	12.56	11.62	12.03	12.40	12.45
100.5943	12.54	11.63	11.99	12.47	12.45
100.6823	12.55	11.64	12.00	12.51	12.49

100.7704	12.57	11.66	12.00	12.49	12.53
100.8585	12.59	11.67	12.00	12.44	12.51
100.9466	12.61	11.68	12.03	12.48	12.45
101.0347	12.60	11.71	12.04	12.60	12.42
101.1228	12.60	11.75	12.03	12.68	12.44
101.2109	12.61	11.74	12.02	12.67	12.45
101.2989	12.64	11.70	12.04	12.63	12.42
101.3870	12.66	11.73	12.06	12.64	12.39
101.4751	12.63	11.76	12.06	12.71	12.36
101.5632	12.63	11.78	12.05	12.78	12.39
101.6513	12.63	11.76	12.06	12.77	12.43
101.7394	12.66	11.77	12.05	12.68	12.45
101.8275	12.66	11.80	12.06	12.59	12.45
101.9156	12.63	11.79	12.01	12.59	12.45
102.0036	12.62	11.80	11.99	12.65	12.49
102.0917	12.61	11.78	12.00	12.65	12.50
102.1798	12.63	11.79	12.00	12.60	12.49
102.2679	12.63	11.81	11.96	12.54	12.47
102.3560	12.63	11.80	11.94	12.55	12.46
102.4441	12.62	11.81	11.92	12.67	12.46
102.5322	12.62	11.82	11.94	12.72	12.43
102.6202	12.61	11.80	11.94	12.70	12.39
102.7083	12.63	11.77	11.94	12.69	12.36
102.7964	12.64	11.78	11.92	12.70	12.35
102.8845	12.63	11.82	11.92	12.76	12.35
102.9726	12.61	11.80	11.94	12.78	12.35
103.0607	12.60	11.77	11.95	12.75	12.34
103.1488	12.60	11.76	11.95	12.70	12.31
103.2368	12.61	11.79	11.93	12.65	12.33
103.3249	12.59	11.82	11.90	12.61	12.39
103.4130	12.55	11.76	11.92	12.59	12.44
103.5011	12.54	11.73	11.95	12.55	12.44
103.5892	12.55	11.72	11.92	12.52	12.40
103.6773	12.56	11.72	11.89	12.49	12.39
103.7654	12.57	11.70	11.87	12.49	12.43
103.8534	12.56	11.65	11.86	12.52	12.49
103.9415	12.54	11.65	11.90	12.54	12.47
104.0296	12.57	11.65	11.91	12.55	12.37
104.1177	12.59	11.65	11.89	12.58	12.29
104.2058	12.59	11.65	11.88	12.62	12.32
104.2939	12.57	11.64	11.90	12.66	12.36
104.3820	12.56	11.63	11.94	12.65	12.38
104.4700	12.59	11.62	11.98	12.63	12.32
104.5581	12.60	11.63	11.99	12.64	12.28
104.6462	12.57	11.65	11.97	12.65	12.30
104.7343	12.55	11.65	11.97	12.63	12.38
104.8224	12.55	11.64	12.00	12.58	12.43
104.9105	12.59	11.61	12.01	12.51	12.43
104.9986	12.58	11.62	12.03	12.51	12.40
105.0866	12.56	11.63	11.99	12.52	12.42
105.1747	12.56	11.61	11.96	12.52	12.46
105.2628	12.56	11.58	11.97	12.47	12.49
105.3509	12.57	11.60	12.00	12.43	12.47
105.4390	12.56	11.64	12.02	12.46	12.41
105.5271	12.54	11.64	11.99	12.52	12.37
105.6152	12.56	11.64	11.97	12.57	12.39
105.7033	12.56	11.65	11.97	12.58	12.42
105.7913	12.57	11.65	12.03	12.54	12.42
105.8794	12.59	11.66	12.04	12.54	12.37
105.9675	12.58	11.66	12.04	12.59	12.35
106.0556	12.58	11.68	12.05	12.66	12.38

106.1437	12.58	11.69	12.06	12.67	12.41
106.2318	12.59	11.67	12.06	12.60	12.40
106.3199	12.59	11.66	12.07	12.54	12.38
106.4079	12.58	11.67	12.09	12.56	12.37
106.4960	12.55	11.70	12.06	12.62	12.39
106.5841	12.56	11.70	12.05	12.63	12.42
106.6722	12.59	11.69	12.05	12.54	12.43
106.7603	12.59	11.71	12.06	12.45	12.44
106.8484	12.55	11.73	12.03	12.47	12.45
106.9365	12.55	11.75	11.99	12.55	12.44
107.0245	12.58	11.72	11.98	12.62	12.43
107.1126	12.59	11.70	11.99	12.61	12.43
107.2007	12.60	11.70	11.98	12.54	12.41
107.2888	12.61	11.70	11.96	12.55	12.40
107.3769	12.62	11.69	11.95	12.67	12.39
107.4650	12.62	11.70	11.95	12.76	12.39
107.5531	12.62	11.70	11.96	12.75	12.38
107.6411	12.61	11.70	11.95	12.68	12.35
107.7292	12.63	11.73	11.92	12.66	12.33
107.8173	12.62	11.76	11.90	12.70	12.34
107.9054	12.59	11.76	11.91	12.75	12.36
107.9935	12.57	11.76	11.90	12.70	12.38
108.0816	12.58	11.76	11.89	12.62	12.37
108.1697	12.58	11.76	11.88	12.55	12.37
108.2577	12.59	11.76	11.82	12.54	12.41
108.3458	12.58	11.75	11.82	12.59	12.45
108.4339	12.56	11.72	11.82	12.58	12.45
108.5220	12.57	11.68	11.85	12.52	12.42
108.6101	12.57	11.70	11.81	12.50	12.40
108.6982	12.58	11.71	11.79	12.52	12.41
108.7863	12.60	11.69	11.77	12.61	12.43
108.8743	12.59	11.65	11.83	12.65	12.42
108.9624	12.59	11.64	11.88	12.65	12.36
109.0505	12.60	11.67	11.88	12.64	12.31
109.1386	12.60	11.66	11.87	12.65	12.31
109.2267	12.58	11.66	11.88	12.69	12.34
109.3148	12.56	11.64	11.95	12.70	12.34
109.4029	12.58	11.64	11.97	12.67	12.31
109.4910	12.60	11.64	11.98	12.63	12.28
109.5790	12.58	11.61	11.95	12.60	12.31
109.6671	12.54	11.60	11.95	12.58	12.38
109.7552	12.52	11.59	11.95	12.55	12.41
109.8433	12.55	11.56	11.99	12.50	12.38
109.9314	12.55	11.54	11.98	12.47	12.36
110.0195	12.53	11.55	11.97	12.45	12.36
110.1076	12.51	11.56	11.97	12.48	12.40
110.1956	12.52	11.52	11.99	12.50	12.43
110.2837	12.55	11.51	12.03	12.50	12.39
110.3718	12.55	11.53	12.04	12.51	12.33
110.4599	12.55	11.55	12.05	12.53	12.29
110.5480	12.55	11.56	12.03	12.57	12.32
110.6361	12.55	11.54	12.01	12.61	12.37
110.7242	12.57	11.54	12.05	12.60	12.37
110.8122	12.59	11.56	12.05	12.59	12.33
110.9003	12.57	11.58	12.05	12.59	12.30
110.9884	12.54	11.59	12.01	12.59	12.33
111.0765	12.53	11.59	12.02	12.59	12.39
111.1646	12.52	11.61	12.04	12.53	12.41
111.2527	12.53	11.63	12.04	12.45	12.39
111.3408	12.52	11.63	11.98	12.42	12.38
111.4288	12.49	11.64	11.98	12.45	12.41

111.5169	12.51	11.64	11.99	12.46	12.44
111.6050	12.53	11.65	11.98	12.43	12.45
111.6931	12.56	11.66	11.96	12.41	12.43
111.7812	12.56	11.66	11.97	12.46	12.42
111.8693	12.58	11.68	11.97	12.55	12.41
111.9574	12.59	11.70	11.96	12.63	12.41
112.0454	12.60	11.69	11.95	12.65	12.42
112.1335	12.62	11.68	11.96	12.62	12.38
112.2216	12.62	11.72	11.96	12.63	12.35
112.3097	12.62	11.75	11.94	12.70	12.33
112.3978	12.61	11.76	11.95	12.77	12.35
112.4859	12.60	11.75	11.97	12.75	12.38
112.5740	12.61	11.75	11.96	12.67	12.37
112.6620	12.61	11.77	11.95	12.62	12.35
112.7501	12.60	11.76	11.92	12.62	12.36
112.8382	12.57	11.76	11.91	12.66	12.39
112.9263	12.56	11.76	11.92	12.61	12.43
113.0144	12.56	11.76	11.92	12.53	12.42
113.1025	12.58	11.77	11.87	12.48	12.40
113.1906	12.59	11.76	11.83	12.51	12.40
113.2787	12.58	11.77	11.83	12.61	12.42
113.3667	12.57	11.76	11.85	12.63	12.40
113.4548	12.56	11.73	11.85	12.60	12.37
113.5429	12.58	11.71	11.84	12.58	12.32
113.6310	12.60	11.72	11.83	12.60	12.30
113.7191	12.58	11.74	11.84	12.68	12.30
113.8072	12.55	11.69	11.86	12.70	12.30
113.8953	12.54	11.65	11.89	12.68	12.29
113.9833	12.55	11.67	11.92	12.63	12.26
114.0714	12.56	11.67	11.89	12.60	12.26
114.1595	12.54	11.68	11.88	12.60	12.30
114.2476	12.51	11.65	11.92	12.60	12.36
114.3357	12.50	11.64	11.95	12.57	12.36
114.4238	12.51	11.65	11.93	12.50	12.32
114.5119	12.54	11.65	11.89	12.43	12.32
114.5999	12.51	11.64	11.88	12.44	12.37
114.6880	12.51	11.61	11.91	12.48	12.42
114.7761	12.51	11.61	11.92	12.49	12.39
114.8642	12.54	11.60	11.92	12.45	12.33
114.9523	12.54	11.60	11.90	12.44	12.30
115.0404	12.52	11.59	11.89	12.49	12.32
115.1285	12.51	11.57	11.90	12.56	12.35
115.2165	12.53	11.55	11.93	12.58	12.34
115.3046	12.57	11.55	11.96	12.57	12.31
115.3927	12.57	11.57	11.94	12.56	12.30
115.4808	12.54	11.60	11.95	12.58	12.32
115.5689	12.53	11.60	11.95	12.60	12.37
115.6570	12.53	11.59	11.99	12.58	12.38
115.7451	12.56	11.60	12.00	12.53	12.35
115.8331	12.55	11.63	12.00	12.49	12.35
115.9212	12.52	11.62	11.96	12.48	12.38
116.0093	12.52	11.61	11.96	12.48	12.40
116.0974	12.52	11.60	11.96	12.46	12.40
116.1855	12.54	11.61	11.98	12.41	12.39
116.2736	12.53	11.64	11.95	12.40	12.38
116.3617	12.53	11.62	11.91	12.43	12.39
116.4497	12.53	11.63	11.89	12.50	12.42
116.5378	12.54	11.64	11.91	12.52	12.44
116.6259	12.56	11.64	11.90	12.48	12.41
116.7140	12.55	11.67	11.91	12.49	12.38
116.8021	12.56	11.67	11.91	12.55	12.35

116.8902	12.55	11.70	11.95	12.63	12.37
116.9783	12.55	11.69	11.98	12.65	12.38
117.0664	12.58	11.68	12.00	12.61	12.35
117.1544	12.60	11.70	12.02	12.61	12.33
117.2425	12.58	11.69	12.02	12.65	12.32
117.3306	12.58	11.72	12.02	12.67	12.35
117.4187	12.57	11.71	12.02	12.65	12.37
117.5068	12.57	11.70	12.00	12.56	12.38
117.5949	12.57	11.70	11.98	12.50	12.37
117.6830	12.56	11.70	11.94	12.52	12.37
117.7710	12.54	11.71	11.90	12.57	12.39
117.8591	12.55	11.69	11.89	12.58	12.40
117.9472	12.53	11.68	11.88	12.52	12.40
118.0353	12.52	11.68	11.89	12.48	12.38
118.1234	12.55	11.70	11.85	12.51	12.36
118.2115	12.56	11.70	11.83	12.61	12.36
118.2996	12.57	11.68	11.85	12.67	12.36
118.3876	12.56	11.66	11.89	12.66	12.35
118.4757	12.56	11.66	11.88	12.61	12.31
118.5638	12.59	11.68	11.87	12.61	12.28
118.6519	12.58	11.70	11.86	12.68	12.28
118.7400	12.57	11.70	11.88	12.72	12.31
118.8281	12.54	11.68	11.89	12.69	12.32
118.9162	12.56	11.68	11.86	12.62	12.31
119.0042	12.57	11.69	11.83	12.56	12.29
119.0923	12.54	11.69	11.79	12.55	12.33
119.1804	12.52	11.66	11.79	12.55	12.40
119.2685	12.51	11.64	11.81	12.51	12.43
119.3566	12.52	11.62	11.81	12.43	12.41
119.4447	12.52	11.64	11.78	12.38	12.39
119.5328	12.52	11.65	11.75	12.42	12.39
119.6208	12.52	11.62	11.78	12.52	12.41
119.7089	12.54	11.57	11.82	12.57	12.39
119.7970	12.55	11.57	11.84	12.54	12.33
119.8851	12.55	11.60	11.84	12.52	12.29
119.9732	12.54	11.59	11.86	12.56	12.28
120.0613	12.53	11.59	11.88	12.67	12.30
120.1494	12.54	11.57	11.94	12.69	12.29
120.2374	12.57	11.58	11.95	12.64	12.26
120.3255	12.58	11.59	11.96	12.58	12.26
120.4136	12.54	11.57	11.95	12.56	12.29
120.5017	12.50	11.57	11.97	12.59	12.34
120.5898	12.50	11.54	11.98	12.57	12.35
120.6779	12.53	11.53	11.99	12.50	12.34
120.7660	12.52	11.54	11.98	12.42	12.34
120.8541	12.49	11.53	11.96	12.38	12.36
120.9421	12.47	11.54	11.97	12.41	12.40
121.0302	12.48	11.52	11.97	12.45	12.41
121.1183	12.50	11.52	11.95	12.45	12.39
121.2064	12.52	11.56	11.96	12.44	12.35
121.2945	12.52	11.58	11.96	12.44	12.33
121.3826	12.52	11.59	11.98	12.52	12.35
121.4707	12.54	11.58	11.99	12.59	12.35
121.5587	12.54	11.59	12.01	12.59	12.32
121.6468	12.56	11.60	12.02	12.57	12.29
121.7349	12.54	11.62	12.01	12.57	12.28
121.8230	12.52	11.62	12.02	12.59	12.30
121.9111	12.50	11.62	12.02	12.60	12.32
121.9992	12.51	11.64	12.01	12.57	12.32
122.0873	12.51	11.65	11.99	12.51	12.30
122.1753	12.50	11.64	11.97	12.49	12.31

122.2634	12.50	11.65	11.96	12.50	12.38
122.3515	12.51	11.66	11.95	12.48	12.44
122.4396	12.52	11.66	11.92	12.45	12.44
122.5277	12.53	11.65	11.92	12.43	12.41
122.6158	12.53	11.66	11.90	12.46	12.38
122.7039	12.55	11.69	11.89	12.52	12.39
122.7919	12.57	11.68	11.88	12.58	12.41
122.8800	12.57	11.67	11.87	12.59	12.40
122.9681	12.57	11.67	11.90	12.58	12.36
123.0562	12.58	11.71	11.88	12.60	12.31
123.1443	12.58	11.75	11.87	12.67	12.30
123.2324	12.58	11.74	11.86	12.72	12.31
123.3205	12.56	11.70	11.87	12.71	12.31
123.4085	12.55	11.70	11.88	12.67	12.29
123.4966	12.56	11.73	11.86	12.63	12.26
123.5847	12.55	11.72	11.81	12.62	12.28
123.6728	12.52	11.70	11.85	12.62	12.35
123.7609	12.50	11.68	11.87	12.59	12.39
123.8490	12.52	11.68	11.85	12.52	12.37
123.9371	12.54	11.68	11.83	12.47	12.35
124.0251	12.55	11.66	11.80	12.48	12.37
124.1132	12.53	11.67	11.82	12.52	12.41
124.2013	12.52	11.64	11.82	12.52	12.40
124.2894	12.52	11.63	11.81	12.50	12.36
124.3775	12.54	11.65	11.80	12.48	12.31
124.4656	12.53	11.64	11.80	12.52	12.28
124.5537	12.51	11.65	11.82	12.61	12.28
124.6418	12.50	11.59	11.85	12.62	12.28
124.7298	12.49	11.57	11.88	12.60	12.27
124.8179	12.51	11.58	11.89	12.55	12.24
124.9060	12.51	11.58	11.90	12.55	12.22
124.9941	12.49	11.58	11.92	12.62	12.26
125.0822	12.48	11.55	11.96	12.61	12.30
125.1703	12.48	11.55	11.97	12.55	12.31
125.2584	12.50	11.58	11.97	12.47	12.30
125.3464	12.52	11.58	11.95	12.44	12.30
125.4345	12.48	11.56	11.96	12.47	12.34
125.5226	12.48	11.54	11.96	12.48	12.39
125.6107	12.49	11.55	11.95	12.42	12.38
125.6988	12.50	11.55	11.92	12.37	12.35
125.7869	12.50	11.54	11.92	12.38	12.32
125.8750	12.48	11.54	11.91	12.45	12.32
125.9630	12.48	11.52	11.93	12.53	12.35
126.0511	12.50	11.50	11.92	12.53	12.34
126.1392	12.54	11.50	11.93	12.49	12.31
126.2273	12.53	11.53	11.94	12.48	12.29
126.3154	12.52	11.55	11.96	12.53	12.32
126.4035	12.50	11.55	11.97	12.59	12.35
126.4916	12.51	11.57	11.99	12.58	12.35
126.5796	12.53	11.58	11.99	12.52	12.31
126.6677	12.52	11.63	11.99	12.50	12.31
126.7558	12.51	11.65	11.97	12.52	12.35
126.8439	12.51	11.64	11.96	12.53	12.37
126.9320	12.50	11.64	11.94	12.49	12.38
127.0201	12.50	11.64	11.92	12.42	12.37
127.1082	12.51	11.66	11.90	12.38	12.37
127.1962	12.51	11.64	11.87	12.40	12.38
127.2843	12.52	11.63	11.86	12.45	12.43
127.3724	12.52	11.63	11.85	12.47	12.44
127.4605	12.52	11.62	11.86	12.46	12.41
127.5486	12.51	11.62	11.87	12.46	12.36

127.6367	12.53	11.63	11.87	12.50	12.35
127.7248	12.54	11.66	11.88	12.59	12.36
127.8128	12.54	11.66	11.93	12.65	12.36
127.9009	12.55	11.67	11.93	12.64	12.32
127.9890	12.57	11.69	11.94	12.62	12.28
128.0771	12.57	11.71	11.94	12.65	12.28
128.1652	12.56	11.74	11.95	12.69	12.31
128.2533	12.54	11.71	11.95	12.69	12.32
128.3414	12.54	11.69	11.94	12.63	12.30
128.4295	12.55	11.68	11.91	12.56	12.28
128.5175	12.54	11.68	11.86	12.54	12.30
128.6056	12.52	11.67	11.85	12.54	12.36
128.6937	12.50	11.64	11.84	12.52	12.38
128.7818	12.49	11.64	11.83	12.47	12.36
128.8699	12.49	11.65	11.81	12.43	12.34
128.9580	12.52	11.66	11.78	12.46	12.32
129.0461	12.52	11.66	11.79	12.55	12.34
129.1341	12.51	11.64	11.82	12.58	12.35
129.2222	12.50	11.62	11.83	12.57	12.33
129.3103	12.53	11.64	11.84	12.55	12.28
129.3984	12.55	11.64	11.84	12.58	12.23
129.4865	12.55	11.66	11.86	12.65	12.24
129.5746	12.52	11.65	11.87	12.68	12.27
129.6627	12.50	11.62	11.88	12.64	12.27
129.7507	12.52	11.62	11.87	12.58	12.26
129.8388	12.54	11.62	11.85	12.54	12.25
129.9269	12.50	11.63	11.81	12.54	12.29
130.0150	12.48	11.61	11.82	12.53	12.35
130.1031	12.46	11.59	11.82	12.46	12.39
130.1912	12.48	11.58	11.80	12.36	12.36
130.2793	12.48	11.61	11.81	12.34	12.32
130.3673	12.47	11.60	11.80	12.39	12.34
130.4554	12.47	11.55	11.83	12.46	12.39
130.5435	12.48	11.53	11.85	12.44	12.38
130.6316	12.50	11.55	11.84	12.43	12.32
130.7197	12.53	11.58	11.87	12.45	12.28
130.8078	12.53	11.57	11.89	12.53	12.27
130.8959	12.51	11.55	11.91	12.62	12.32
130.9839	12.52	11.55	11.92	12.62	12.31
131.0720	12.54	11.55	11.95	12.56	12.27
131.1601	12.54	11.55	11.94	12.53	12.25
131.2482	12.52	11.54	11.95	12.55	12.26
131.3363	12.49	11.55	11.95	12.60	12.30
131.4244	12.48	11.54	11.96	12.58	12.32
131.5125	12.49	11.54	11.95	12.47	12.32
131.6005	12.48	11.56	11.94	12.39	12.32
131.6886	12.46	11.55	11.93	12.37	12.33
131.7767	12.46	11.56	11.93	12.41	12.37
131.8648	12.47	11.56	11.92	12.44	12.38
131.9529	12.49	11.56	11.92	12.40	12.37
132.0410	12.48	11.58	11.92	12.37	12.34
132.1291	12.49	11.60	11.92	12.39	12.34
132.2172	12.51	11.61	11.93	12.49	12.35
132.3052	12.52	11.60	11.94	12.57	12.34
132.3933	12.52	11.60	11.94	12.57	12.31
132.4814	12.52	11.62	11.95	12.54	12.27
132.5695	12.52	11.63	11.95	12.55	12.26
132.6576	12.52	11.64	11.96	12.60	12.28
132.7457	12.51	11.63	11.96	12.66	12.30
132.8338	12.52	11.63	11.96	12.64	12.30
132.9218	12.53	11.63	11.94	12.57	12.27

133.0099	12.52	11.64	11.91	12.53	12.29
133.0980	12.50	11.67	11.90	12.52	12.35
133.1861	12.50	11.67	11.91	12.53	12.38
133.2742	12.51	11.66	11.90	12.49	12.37
133.3623	12.52	11.66	11.87	12.44	12.35
133.4504	12.52	11.67	11.86	12.43	12.35
133.5384	12.53	11.69	11.84	12.47	12.38
133.6265	12.54	11.66	11.84	12.55	12.38
133.7146	12.54	11.64	11.81	12.56	12.37
133.8027	12.55	11.65	11.83	12.55	12.33
133.8908	12.56	11.69	11.81	12.56	12.28
133.9789	12.55	11.69	11.80	12.62	12.27
134.0670	12.52	11.66	11.81	12.66	12.28
134.1550	12.51	11.63	11.83	12.65	12.29
134.2431	12.52	11.64	11.81	12.62	12.25
134.3312	12.54	11.66	11.79	12.60	12.22
134.4193	12.52	11.64	11.80	12.61	12.24
134.5074	12.49	11.63	11.81	12.59	12.32
134.5955	12.47	11.63	11.82	12.54	12.34
134.6836	12.49	11.62	11.80	12.49	12.31
134.7716	12.53	11.62	11.80	12.45	12.30
134.8597	12.53	11.60	11.79	12.46	12.33
134.9478	12.50	11.60	11.81	12.48	12.41
135.0359	12.48	11.57	11.80	12.45	12.41
135.1240	12.49	11.56	11.79	12.41	12.34
135.2121	12.50	11.59	11.80	12.42	12.28
135.3002	12.48	11.59	11.80	12.45	12.26
135.3882	12.47	11.57	11.81	12.52	12.29
135.4763	12.47	11.54	11.83	12.53	12.31
135.5644	12.48	11.53	11.85	12.51	12.27
135.6525	12.50	11.54	11.88	12.50	12.22
135.7406	12.51	11.55	11.89	12.54	12.21
135.8287	12.48	11.53	11.92	12.61	12.27
135.9168	12.48	11.51	11.94	12.59	12.31
136.0049	12.49	11.51	11.98	12.53	12.29
136.0929	12.52	11.53	11.97	12.48	12.26
136.1810	12.51	11.53	11.98	12.47	12.26
136.2691	12.48	11.52	11.98	12.49	12.31
136.3572	12.47	11.52	11.99	12.49	12.35
136.4453	12.49	11.52	11.97	12.43	12.35
136.5334	12.49	11.54	11.93	12.36	12.32
136.6215	12.48	11.54	11.93	12.37	12.29
136.7095	12.45	11.55	11.93	12.43	12.32
136.7976	12.46	11.54	11.90	12.48	12.35
136.8857	12.48	11.54	11.87	12.45	12.35
136.9738	12.49	11.54	11.86	12.42	12.30
137.0619	12.48	11.58	11.89	12.44	12.27
137.1500	12.48	11.58	11.92	12.52	12.29
137.2381	12.51	11.56	11.93	12.58	12.32
137.3261	12.53	11.58	11.93	12.57	12.33
137.4142	12.52	11.60	11.94	12.52	12.30
137.5023	12.52	11.65	11.95	12.51	12.27
137.5904	12.52	11.65	11.96	12.55	12.29
137.6785	12.51	11.67	11.93	12.59	12.32
137.7666	12.51	11.68	11.91	12.53	12.35
137.8547	12.52	11.67	11.89	12.44	12.35
137.9427	12.49	11.67	11.88	12.39	12.35
138.0308	12.50	11.65	11.84	12.41	12.37
138.1189	12.49	11.64	11.82	12.46	12.39
138.2070	12.48	11.61	11.82	12.47	12.39
138.2951	12.49	11.60	11.82	12.43	12.37

138.3832	12.50	11.62	11.81	12.41	12.35
138.4713	12.52	11.62	11.81	12.47	12.33
138.5593	12.52	11.63	11.83	12.58	12.34
138.6474	12.52	11.61	11.84	12.63	12.33
138.7355	12.53	11.63	11.86	12.60	12.29
138.8236	12.56	11.66	11.87	12.58	12.24
138.9117	12.56	11.68	11.88	12.61	12.25
138.9998	12.53	11.70	11.89	12.66	12.27
139.0879	12.50	11.68	11.88	12.68	12.26
139.1759	12.51	11.66	11.88	12.63	12.24
139.2640	12.53	11.67	11.88	12.56	12.23
139.3521	12.53	11.66	11.83	12.53	12.26
139.4402	12.50	11.64	11.82	12.52	12.34
139.5283	12.46	11.60	11.81	12.50	12.37
139.6164	12.46	11.60	11.80	12.44	12.33
139.7045	12.47	11.62	11.79	12.41	12.28
139.7926	12.48	11.60	11.78	12.40	12.29
139.8806	12.48	11.61	11.78	12.44	12.33
139.9687	12.46	11.58	11.79	12.49	12.36
140.0568	12.46	11.57	11.82	12.50	12.31
140.1449	12.50	11.60	11.84	12.49	12.24
140.2330	12.52	11.60	11.84	12.51	12.21
140.3211	12.51	11.61	11.85	12.58	12.24
140.4092	12.49	11.58	11.86	12.59	12.26
140.4972	12.48	11.58	11.88	12.57	12.25
140.5853	12.50	11.56	11.89	12.53	12.22
140.6734	12.51	11.58	11.86	12.52	12.21
140.7615	12.48	11.57	11.86	12.53	12.25
140.8496	12.46	11.54	11.87	12.53	12.32
140.9377	12.46	11.52	11.90	12.46	12.35
141.0258	12.46	11.52	11.89	12.39	12.30
141.1138	12.45	11.55	11.89	12.35	12.28
141.2019	12.44	11.53	11.88	12.38	12.31
141.2900	12.44	11.50	11.90	12.43	12.38
141.3781	12.46	11.52	11.89	12.41	12.37
141.4662	12.49	11.54	11.89	12.37	12.32
141.5543	12.50	11.56	11.89	12.39	12.29
141.6424	12.50	11.55	11.91	12.46	12.30
141.7304	12.50	11.53	11.92	12.55	12.33
141.8185	12.51	11.53	11.92	12.55	12.32
141.9066	12.52	11.53	11.92	12.50	12.28
141.9947	12.51	11.55	11.93	12.50	12.24
142.0828	12.48	11.54	11.92	12.54	12.25
142.1709	12.47	11.55	11.91	12.58	12.28
142.2590	12.47	11.55	11.91	12.54	12.30
142.3470	12.46	11.56	11.91	12.44	12.29
142.4351	12.44	11.58	11.92	12.41	12.28
142.5232	12.44	11.57	11.92	12.43	12.29
142.6113	12.45	11.59	11.91	12.46	12.32
142.6994	12.47	11.60	11.90	12.45	12.36
142.7875	12.47	11.60	11.90	12.38	12.37
142.8756	12.47	11.62	11.89	12.34	12.34
142.9636	12.49	11.63	11.88	12.37	12.34
143.0517	12.50	11.61	11.86	12.47	12.35
143.1398	12.50	11.61	11.85	12.54	12.34
143.2279	12.50	11.61	11.86	12.52	12.32
143.3160	12.51	11.64	11.87	12.50	12.28
143.4041	12.52	11.63	11.86	12.52	12.27
143.4922	12.51	11.64	11.87	12.60	12.28
143.5803	12.50	11.63	11.88	12.67	12.29
143.6683	12.50	11.61	11.90	12.64	12.28

143.7564	12.53	11.62	11.89	12.58	12.24
143.8445	12.52	11.62	11.88	12.56	12.24
143.9326	12.50	11.65	11.88	12.59	12.28
144.0207	12.48	11.64	11.88	12.62	12.31
144.1088	12.48	11.65	11.86	12.56	12.32
144.1969	12.51	11.66	11.86	12.48	12.29
144.2849	12.52	11.66	11.83	12.45	12.31
144.3730	12.51	11.65	11.80	12.48	12.35
144.4611	12.51	11.62	11.80	12.53	12.36
144.5492	12.50	11.60	11.79	12.54	12.33
144.6373	12.52	11.60	11.79	12.51	12.29
144.7254	12.52	11.62	11.78	12.47	12.27
144.8135	12.51	11.61	11.76	12.51	12.27
144.9015	12.48	11.58	11.77	12.57	12.28
144.9896	12.46	11.55	11.78	12.60	12.25
145.0777	12.47	11.57	11.79	12.59	12.20
145.1658	12.50	11.60	11.76	12.55	12.19
145.2539	12.50	11.59	11.77	12.55	12.23
145.3420	12.47	11.59	11.80	12.55	12.31
145.4301	12.45	11.58	11.82	12.54	12.30
145.5181	12.47	11.59	11.82	12.52	12.26
145.6062	12.50	11.60	11.82	12.46	12.25
145.6943	12.47	11.58	11.82	12.44	12.30
145.7824	12.46	11.55	11.83	12.44	12.37
145.8705	12.46	11.54	11.83	12.42	12.37
145.9586	12.47	11.53	11.80	12.37	12.32
146.0467	12.46	11.54	11.83	12.35	12.26
146.1347	12.45	11.52	11.82	12.38	12.27
146.2228	12.43	11.49	11.83	12.44	12.32
146.3109	12.45	11.48	11.84	12.47	12.35
146.3990	12.48	11.48	11.86	12.46	12.30
146.4871	12.50	11.51	11.86	12.45	12.24
146.5752	12.48	11.51	11.87	12.48	12.23
146.6633	12.46	11.50	11.91	12.56	12.28
146.7513	12.46	11.50	11.93	12.57	12.30
146.8394	12.49	11.51	11.96	12.53	12.28
146.9275	12.51	11.55	11.97	12.51	12.24
147.0156	12.50	11.54	11.98	12.53	12.23
147.1037	12.47	11.53	11.99	12.55	12.27
147.1918	12.47	11.53	11.98	12.52	12.32
147.2799	12.47	11.54	11.96	12.44	12.33
147.3680	12.48	11.55	11.92	12.38	12.29
147.4560	12.46	11.55	11.92	12.38	12.27
147.5441	12.44	11.55	11.86	12.41	12.32
147.6322	12.44	11.56	11.84	12.42	12.36
147.7203	12.45	11.57	11.81	12.39	12.38
147.8084	12.46	11.58	11.82	12.38	12.33
147.8965	12.46	11.60	11.83	12.41	12.29
147.9846	12.48	11.59	11.85	12.49	12.30
148.0726	12.49	11.59	11.85	12.56	12.33
148.1607	12.51	11.59	11.87	12.56	12.33
148.2488	12.52	11.60	11.91	12.53	12.28
148.3369	12.54	11.65	11.92	12.54	12.25
148.4250	12.52	11.66	11.92	12.58	12.27
148.5131	12.50	11.67	11.91	12.63	12.30
148.6012	12.49	11.66	11.91	12.59	12.30
148.6892	12.50	11.66	11.89	12.50	12.29
148.7773	12.50	11.67	11.87	12.46	12.29
148.8654	12.47	11.65	11.81	12.46	12.31
148.9535	12.46	11.62	11.81	12.49	12.33
149.0416	12.44	11.61	11.79	12.47	12.34

149.1297	12.47	11.61	11.79	12.40	12.34
149.2178	12.48	11.62	11.78	12.37	12.32
149.3058	12.49	11.60	11.77	12.42	12.33
149.3939	12.48	11.60	11.79	12.52	12.34
149.4820	12.48	11.59	11.79	12.57	12.31
149.5701	12.51	11.59	11.81	12.55	12.27
149.6582	12.54	11.62	11.83	12.52	12.24
149.7463	12.53	11.64	11.82	12.56	12.24
149.8344	12.50	11.64	11.83	12.64	12.27
149.9224	12.47	11.62	11.85	12.66	12.25
150.0105	12.48	11.61	11.86	12.61	12.21
150.0986	12.51	11.63	11.83	12.53	12.21
150.1867	12.50	11.62	11.81	12.50	12.24
150.2748	12.47	11.60	11.79	12.51	12.31
150.3629	12.43	11.58	11.80	12.51	12.33
150.4510	12.43	11.57	11.79	12.43	12.30
150.5390	12.44	11.60	11.77	12.34	12.26
150.6271	12.43	11.58	11.76	12.33	12.28
150.7152	12.42	11.56	11.78	12.39	12.32
150.8033	12.43	11.53	11.81	12.44	12.34
150.8914	12.45	11.54	11.80	12.43	12.31
150.9795	12.48	11.56	11.82	12.42	12.25
151.0676	12.48	11.56	11.82	12.43	12.24
151.1557	12.46	11.56	11.84	12.49	12.26
151.2437	12.46	11.55	11.86	12.55	12.28
151.3318	12.48	11.54	11.88	12.55	12.24
151.4199	12.51	11.53	11.91	12.53	12.21
151.5080	12.49	11.54	11.90	12.51	12.21
151.5961	12.46	11.53	11.91	12.52	12.25
151.6842	12.44	11.51	11.93	12.53	12.30
151.7723	12.45	11.51	11.95	12.50	12.29
151.8603	12.47	11.53	11.94	12.44	12.25
151.9484	12.45	11.55	11.93	12.41	12.24
152.0365	12.43	11.52	11.92	12.41	12.29
152.1246	12.43	11.53	11.92	12.42	12.36
152.2127	12.44	11.53	11.91	12.39	12.36
152.3008	12.47	11.55	11.90	12.35	12.32
152.3889	12.48	11.56	11.91	12.36	12.30
152.4769	12.47	11.54	11.88	12.43	12.32
152.5650	12.48	11.54	11.88	12.49	12.34
152.6531	12.49	11.54	11.87	12.48	12.32
152.7412	12.49	11.55	11.88	12.47	12.28
152.8293	12.48	11.57	11.89	12.48	12.24
152.9174	12.45	11.56	11.87	12.51	12.24
153.0055	12.45	11.58	11.86	12.57	12.27
153.0935	12.46	11.58	11.87	12.55	12.26
153.1816	12.46	11.57	11.86	12.49	12.24
153.2697	12.44	11.58	11.90	12.46	12.23
153.3578	12.44	11.60	11.87	12.47	12.26
153.4459	12.45	11.61	11.86	12.50	12.30
153.5340	12.45	11.60	11.86	12.48	12.33
153.6221	12.48	11.61	11.87	12.40	12.33
153.7101	12.47	11.63	11.86	12.35	12.32
153.7982	12.48	11.62	11.83	12.38	12.34
153.8863	12.49	11.62	11.81	12.46	12.36
153.9744	12.48	11.61	11.80	12.50	12.35
154.0625	12.49	11.61	11.81	12.47	12.32
154.1506	12.50	11.65	11.80	12.44	12.29
154.2387	12.51	11.65	11.78	12.49	12.28
154.3267	12.48	11.63	11.80	12.59	12.28
154.4148	12.48	11.60	11.83	12.65	12.26

154.5029	12.49	11.58	11.84	12.62	12.24
154.5910	12.52	11.59	11.84	12.57	12.19
154.6791	12.52	11.61	11.85	12.57	12.20
154.7672	12.49	11.61	11.86	12.63	12.25
154.8553	12.48	11.60	11.86	12.64	12.27
154.9434	12.48	11.60	11.85	12.59	12.26
155.0314	12.51	11.61	11.83	12.50	12.24
155.1195	12.50	11.61	11.83	12.45	12.27
155.2076	12.49	11.59	11.79	12.48	12.31
155.2957	12.47	11.57	11.79	12.51	12.34
155.3838	12.47	11.56	11.78	12.46	12.33
155.4719	12.48	11.58	11.78	12.40	12.29
155.5600	12.47	11.59	11.75	12.37	12.27
155.6480	12.45	11.56	11.73	12.43	12.27
155.7361	12.44	11.53	11.76	12.52	12.28
155.8242	12.44	11.51	11.76	12.54	12.24
155.9123	12.47	11.53	11.77	12.49	12.20
156.0004	12.48	11.55	11.78	12.47	12.20
156.0885	12.47	11.53	11.80	12.51	12.24
156.1766	12.46	11.52	11.84	12.57	12.28
156.2646	12.46	11.53	11.86	12.55	12.25
156.3527	12.48	11.55	11.87	12.51	12.21
156.4408	12.48	11.55	11.87	12.45	12.21
156.5289	12.44	11.53	11.88	12.44	12.26
156.6170	12.42	11.52	11.88	12.45	12.33
156.7051	12.44	11.50	11.87	12.43	12.34
156.7932	12.46	11.48	11.87	12.39	12.29
156.8812	12.46	11.48	11.86	12.33	12.26
156.9693	12.42	11.45	11.84	12.34	12.30
157.0574	12.41	11.43	11.85	12.38	12.35
157.1455	12.44	11.43	11.84	12.41	12.35
157.2336	12.46	11.44	11.85	12.40	12.30
157.3217	12.48	11.48	11.87	12.40	12.24
157.4098	12.46	11.48	11.87	12.44	12.25
157.4978	12.46	11.49	11.88	12.51	12.27
157.5859	12.47	11.51	11.91	12.55	12.28
157.6740	12.48	11.52	11.94	12.54	12.24
157.7621	12.49	11.57	11.95	12.52	12.20
157.8502	12.48	11.57	11.97	12.51	12.22
157.9383	12.47	11.57	11.95	12.53	12.27
158.0264	12.47	11.57	11.94	12.53	12.29
158.1144	12.48	11.58	11.93	12.48	12.29
158.2025	12.47	11.58	11.90	12.42	12.27
158.2906	12.44	11.55	11.86	12.38	12.29
158.3787	12.44	11.56	11.83	12.40	12.35
158.4668	12.45	11.57	11.79	12.40	12.38
158.5549	12.46	11.57	11.80	12.37	12.37
158.6430	12.45	11.59	11.77	12.35	12.32
158.7311	12.46	11.62	11.79	12.38	12.29
158.8191	12.47	11.61	11.78	12.47	12.30
158.9072	12.48	11.60	11.79	12.55	12.32
158.9953	12.50	11.61	11.82	12.55	12.30
159.0834	12.52	11.64	11.86	12.52	12.25
159.1715	12.53	11.65	11.87	12.55	12.23
159.2596	12.52	11.65	11.88	12.61	12.24
159.3477	12.49	11.65	11.89	12.65	12.24
159.4357	12.48	11.64	11.90	12.62	12.23
159.5238	12.50	11.64	11.87	12.54	12.22
159.6119	12.49	11.64	11.86	12.51	12.23
159.7000	12.47	11.61	11.82	12.51	12.27
159.7881	12.45	11.59	11.81	12.53	12.31

159.8762	12.44	11.60	11.79	12.48	12.32
159.9643	12.46	11.60	11.78	12.39	12.30
160.0523	12.47	11.60	11.78	12.36	12.29
160.1404	12.46	11.59	11.75	12.39	12.31
160.2285	12.45	11.58	11.77	12.47	12.33
160.3166	12.46	11.56	11.77	12.49	12.31
160.4047	12.49	11.55	11.78	12.47	12.25
160.4928	12.51	11.58	11.79	12.47	12.22
160.5809	12.50	11.58	11.79	12.52	12.23
160.6689	12.47	11.58	11.81	12.59	12.25
160.7570	12.45	11.55	11.82	12.59	12.23
160.8451	12.46	11.56	11.84	12.55	12.20
160.9332	12.47	11.59	11.82	12.49	12.18
161.0213	12.45	11.58	11.79	12.49	12.20
161.1094	12.43	11.56	11.80	12.51	12.26
161.1975	12.42	11.54	11.82	12.49	12.28
161.2855	12.42	11.56	11.81	12.41	12.25
161.3736	12.43	11.58	11.78	12.33	12.23
161.4617	12.41	11.55	11.79	12.32	12.25
161.5498	12.39	11.52	11.80	12.36	12.31
161.6379	12.42	11.52	11.82	12.40	12.33
161.7260	12.45	11.53	11.81	12.37	12.31
161.8141	12.48	11.54	11.82	12.33	12.28
161.9021	12.47	11.54	11.83	12.36	12.28
161.9902	12.45	11.53	11.83	12.45	12.30
162.0783	12.45	11.52	11.87	12.52	12.28
162.1664	12.47	11.51	11.90	12.52	12.25
162.2545	12.49	11.52	11.92	12.48	12.21
162.3426	12.47	11.53	11.91	12.47	12.22
162.4307	12.45	11.51	11.91	12.52	12.25
162.5188	12.46	11.51	11.94	12.57	12.25
162.6068	12.46	11.52	11.95	12.55	12.23
162.6949	12.47	11.54	11.94	12.48	12.21
162.7830	12.45	11.55	11.92	12.43	12.23
162.8711	12.44	11.54	11.90	12.42	12.28
162.9592	12.44	11.56	11.90	12.44	12.33
163.0473	12.44	11.57	11.90	12.41	12.33
163.1354	12.46	11.58	11.87	12.36	12.29
163.2234	12.46	11.58	11.86	12.34	12.28
163.3115	12.45	11.56	11.84	12.37	12.33
163.3996	12.46	11.55	11.84	12.43	12.34
163.4877	12.47	11.56	11.84	12.43	12.32
163.5758	12.47	11.56	11.83	12.43	12.27
163.6639	12.45	11.58	11.85	12.45	12.24
163.7520	12.45	11.58	11.84	12.50	12.24
163.8400	12.44	11.58	11.83	12.56	12.25
163.9281	12.46	11.58	11.84	12.55	12.25
164.0162	12.47	11.58	11.86	12.52	12.22
164.1043	12.46	11.60	11.85	12.50	12.20
164.1924	12.46	11.60	11.84	12.51	12.24
164.2805	12.45	11.62	11.84	12.53	12.29
164.3686	12.45	11.62	11.84	12.52	12.30
164.4566	12.46	11.61	11.83	12.45	12.29
164.5447	12.48	11.63	11.82	12.40	12.29
164.6328	12.49	11.60	11.79	12.39	12.31
164.7209	12.47	11.59	11.79	12.44	12.35
164.8090	12.47	11.58	11.78	12.46	12.36
164.8971	12.47	11.58	11.78	12.43	12.32
164.9852	12.49	11.61	11.76	12.43	12.28
165.0732	12.50	11.60	11.76	12.47	12.25
165.1613	12.47	11.59	11.76	12.56	12.27

165.2494	12.45	11.56	11.79	12.60	12.26
165.3375	12.47	11.56	11.79	12.57	12.22
165.4256	12.50	11.58	11.79	12.54	12.18
165.5137	12.50	11.57	11.79	12.56	12.18
165.6018	12.48	11.57	11.82	12.62	12.23
165.6898	12.47	11.57	11.84	12.63	12.25
165.7779	12.47	11.56	11.83	12.57	12.24
165.8660	12.50	11.58	11.82	12.48	12.23
165.9541	12.48	11.57	11.80	12.45	12.25
166.0422	12.46	11.55	11.79	12.46	12.30
166.1303	12.45	11.54	11.78	12.47	12.33
166.2184	12.45	11.54	11.78	12.41	12.32
166.3065	12.45	11.56	11.76	12.33	12.28
166.3945	12.43	11.55	11.74	12.31	12.27
166.4826	12.40	11.53	11.73	12.37	12.29
166.5707	12.40	11.50	11.77	12.45	12.29
166.6588	12.43	11.50	11.78	12.46	12.26
166.7469	12.45	11.52	11.79	12.43	12.22
166.8350	12.47	11.52	11.79	12.44	12.20
166.9231	12.45	11.49	11.83	12.50	12.24
167.0111	12.45	11.48	11.87	12.57	12.27
167.0992	12.47	11.48	11.89	12.57	12.24
167.1873	12.48	11.48	11.91	12.50	12.20
167.2754	12.48	11.51	11.91	12.45	12.20
167.3635	12.44	11.49	11.92	12.47	12.23
167.4516	12.43	11.49	11.91	12.51	12.28
167.5397	12.44	11.49	11.91	12.48	12.29
167.6277	12.45	11.49	11.88	12.39	12.27
167.7158	12.44	11.48	11.86	12.31	12.27
167.8039	12.40	11.45	11.85	12.33	12.29
167.8920	12.40	11.46	11.84	12.37	12.32
167.9801	12.43	11.46	11.83	12.39	12.33
168.0682	12.44	11.47	11.82	12.38	12.30
168.1563	12.44	11.50	11.84	12.35	12.27
168.2443	12.45	11.50	11.84	12.40	12.27
168.3324	12.45	11.49	11.85	12.50	12.28
168.4205	12.48	11.51	11.86	12.55	12.27
168.5086	12.48	11.56	11.87	12.53	12.23
168.5967	12.48	11.59	11.91	12.50	12.20
168.6848	12.46	11.60	11.90	12.51	12.23
168.7729	12.46	11.61	11.89	12.56	12.26
168.8609	12.47	11.62	11.88	12.55	12.27
168.9490	12.48	11.62	11.85	12.51	12.26
169.0371	12.46	11.60	11.84	12.45	12.26
169.1252	12.45	11.59	11.82	12.41	12.29
169.2133	12.44	11.59	11.79	12.41	12.33
169.3014	12.44	11.59	11.77	12.43	12.36
169.3895	12.44	11.59	11.78	12.41	12.33
169.4775	12.45	11.61	11.77	12.38	12.28
169.5656	12.45	11.61	11.76	12.38	12.28
169.6537	12.45	11.61	11.76	12.43	12.31
169.7418	12.45	11.61	11.77	12.51	12.32
169.8299	12.47	11.60	11.79	12.53	12.28
169.9180	12.50	11.63	11.81	12.53	12.22
170.0061	12.52	11.65	11.82	12.55	12.21
170.0941	12.50	11.63	11.84	12.59	12.22
170.1822	12.48	11.62	11.86	12.63	12.24
170.2703	12.46	11.60	11.87	12.61	12.23
170.3584	12.49	11.60	11.86	12.55	12.20
170.4465	12.49	11.60	11.82	12.53	12.20
170.5346	12.47	11.57	11.82	12.54	12.24

170.6227	12.44	11.57	11.81	12.54	12.29
170.7108	12.44	11.56	11.81	12.48	12.29
170.7988	12.45	11.56	11.78	12.40	12.27
170.8869	12.44	11.57	11.78	12.36	12.26
170.9750	12.42	11.56	11.77	12.38	12.28
171.0631	12.41	11.54	11.78	12.44	12.31
171.1512	12.42	11.53	11.78	12.44	12.29
171.2393	12.46	11.55	11.77	12.40	12.24
171.3274	12.45	11.55	11.78	12.40	12.21
171.4154	12.44	11.54	11.76	12.45	12.22
171.5035	12.43	11.53	11.79	12.51	12.25
171.5916	12.43	11.51	11.81	12.52	12.24
171.6797	12.45	11.53	11.83	12.47	12.20
171.7678	12.45	11.53	11.81	12.43	12.19
171.8559	12.42	11.52	11.81	12.46	12.20
171.9440	12.40	11.51	11.83	12.51	12.25
172.0320	12.41	11.50	11.85	12.50	12.25
172.1201	12.43	11.52	11.85	12.41	12.24
172.2082	12.42	11.55	11.82	12.34	12.23
172.2963	12.40	11.52	11.84	12.36	12.25
172.3844	12.38	11.50	11.86	12.40	12.30
172.4725	12.41	11.51	11.87	12.39	12.33
172.5606	12.44	11.52	11.85	12.33	12.31
172.6486	12.47	11.53	11.85	12.29	12.29
172.7367	12.45	11.50	11.86	12.34	12.30
172.8248	12.44	11.48	11.85	12.43	12.32
172.9129	12.45	11.50	11.87	12.48	12.30
173.0010	12.45	11.51	11.86	12.46	12.25
173.0891	12.45	11.52	11.88	12.44	12.21
173.1772	12.44	11.53	11.89	12.46	12.21
173.2652	12.45	11.52	11.88	12.53	12.24
173.3533	12.46	11.53	11.90	12.57	12.25
173.4414	12.45	11.53	11.92	12.54	12.23
173.5295	12.45	11.54	11.91	12.48	12.19
173.6176	12.45	11.55	11.90	12.45	12.20
173.7057	12.44	11.56	11.89	12.47	12.27
173.7938	12.44	11.58	11.88	12.49	12.30
173.8818	12.44	11.59	11.87	12.44	12.31
173.9699	12.45	11.60	11.85	12.37	12.28
174.0580	12.44	11.59	11.84	12.33	12.29
174.1461	12.43	11.58	11.83	12.36	12.33
174.2342	12.44	11.57	11.80	12.41	12.35
174.3223	12.45	11.57	11.80	12.42	12.33
174.4104	12.45	11.59	11.80	12.41	12.28
174.4985	12.45	11.60	11.80	12.41	12.26
174.5865	12.46	11.58	11.78	12.46	12.26
174.6746	12.45	11.58	11.81	12.53	12.26
174.7627	12.45	11.58	11.83	12.57	12.24
174.8508	12.46	11.57	11.81	12.54	12.20
174.9389	12.47	11.59	11.82	12.51	12.18
175.0270	12.47	11.59	11.81	12.53	12.22
175.1151	12.45	11.60	11.82	12.57	12.26
175.2031	12.45	11.60	11.83	12.57	12.26
175.2912	12.45	11.59	11.82	12.50	12.24
175.3793	12.47	11.60	11.81	12.45	12.24
175.4674	12.46	11.58	11.80	12.43	12.27
175.5555	12.46	11.56	11.80	12.46	12.31
175.6436	12.44	11.54	11.79	12.47	12.33
175.7317	12.46	11.55	11.77	12.42	12.30
175.8197	12.45	11.57	11.76	12.40	12.25
175.9078	12.45	11.56	11.73	12.41	12.25

175.9959	12.43	11.53	11.75	12.49	12.27
176.0840	12.43	11.52	11.76	12.52	12.27
176.1721	12.45	11.54	11.75	12.50	12.22
176.2602	12.48	11.56	11.76	12.49	12.18
176.3483	12.47	11.54	11.75	12.53	12.19
176.4363	12.46	11.53	11.78	12.56	12.24
176.5244	12.45	11.54	11.80	12.57	12.25
176.6125	12.46	11.55	11.81	12.52	12.22
176.7006	12.47	11.55	11.81	12.46	12.20
176.7887	12.45	11.54	11.80	12.45	12.22
176.8768	12.41	11.53	11.82	12.48	12.26
176.9649	12.42	11.51	11.82	12.47	12.28
177.0529	12.43	11.51	11.81	12.40	12.28
177.1410	12.45	11.50	11.79	12.31	12.28
177.2291	12.42	11.50	11.78	12.31	12.27
177.3172	12.39	11.46	11.78	12.37	12.28
177.4053	12.40	11.46	11.79	12.42	12.30
177.4934	12.42	11.49	11.78	12.39	12.27
177.5815	12.44	11.50	11.79	12.36	12.24
177.6695	12.45	11.50	11.81	12.39	12.22
177.7576	12.44	11.46	11.83	12.48	12.25
177.8457	12.46	11.47	11.87	12.54	12.27
177.9338	12.46	11.48	11.90	12.54	12.24
178.0219	12.47	11.49	11.93	12.50	12.19
178.1100	12.47	11.50	11.94	12.48	12.18
178.1981	12.45	11.48	11.95	12.52	12.21
178.2862	12.44	11.51	11.94	12.53	12.26
178.3742	12.44	11.52	11.93	12.49	12.27
178.4623	12.43	11.52	11.91	12.41	12.25
178.5504	12.43	11.51	11.89	12.36	12.24
178.6385	12.40	11.50	11.85	12.37	12.27
178.7266	12.42	11.52	11.83	12.40	12.30
178.8147	12.42	11.52	11.82	12.39	12.31
178.9028	12.43	11.52	11.80	12.33	12.29
178.9908	12.42	11.53	11.79	12.32	12.27
179.0789	12.43	11.52	11.79	12.38	12.28
179.1670	12.45	11.51	11.79	12.47	12.29
179.2551	12.47	11.53	11.80	12.51	12.28
179.3432	12.47	11.56	11.80	12.49	12.22
179.4313	12.47	11.58	11.84	12.47	12.21
179.5194	12.46	11.59	11.84	12.50	12.24
179.6074	12.46	11.60	11.83	12.55	12.25
179.6955	12.46	11.61	11.84	12.57	12.25
179.7836	12.46	11.61	11.84	12.53	12.24
179.8717	12.46	11.61	11.82	12.47	12.22
179.9598	12.46	11.60	11.79	12.44	12.24
180.0479	12.44	11.60	11.79	12.48	12.29
180.1360	12.44	11.60	11.79	12.50	12.31
180.2240	12.44	11.60	11.77	12.44	12.30
180.3121	12.45	11.60	11.75	12.38	12.27
180.4002	12.45	11.60	11.76	12.36	12.28
180.4883	12.45	11.59	11.75	12.42	12.30
180.5764	12.45	11.57	11.77	12.48	12.31
180.6645	12.46	11.56	11.78	12.49	12.27
180.7526	12.49	11.59	11.78	12.47	12.24
180.8406	12.49	11.59	11.79	12.49	12.22
180.9287	12.48	11.56	11.80	12.54	12.24
181.0168	12.46	11.56	11.82	12.59	12.24
181.1049	12.46	11.56	11.84	12.58	12.20
181.1930	12.48	11.57	11.82	12.54	12.17
181.2811	12.47	11.57	11.79	12.51	12.18

181.3692	12.44	11.55	11.81	12.52	12.22
181.4572	12.43	11.55	11.82	12.53	12.25
181.5453	12.43	11.55	11.81	12.49	12.24
181.6334	12.45	11.55	11.80	12.42	12.21
181.7215	12.43	11.55	11.79	12.38	12.21
181.8096	12.38	11.52	11.78	12.37	12.25
181.8977	12.37	11.52	11.80	12.38	12.28
181.9858	12.40	11.53	11.78	12.37	12.28
182.0739	12.43	11.53	11.77	12.32	12.25
182.1619	12.44	11.52	11.78	12.33	12.23
182.2500	12.41	11.51	11.77	12.37	12.26
182.3381	12.41	11.49	11.80	12.43	12.28
182.4262	12.42	11.49	11.81	12.44	12.27
182.5143	12.45	11.49	11.82	12.41	12.23
182.6024	12.45	11.50	11.84	12.43	12.20
182.6905	12.43	11.49	11.84	12.48	12.21
182.7785	12.41	11.48	11.87	12.50	12.25
182.8666	12.43	11.48	11.87	12.49	12.24
182.9547	12.44	11.49	11.88	12.44	12.21
183.0428	12.43	11.52	11.88	12.41	12.18
183.1309	12.41	11.50	11.88	12.42	12.22
183.2190	12.40	11.50	11.89	12.43	12.28
183.3071	12.41	11.52	11.87	12.40	12.30
183.3951	12.44	11.52	11.86	12.35	12.28
183.4832	12.45	11.52	11.84	12.30	12.27
183.5713	12.44	11.48	11.85	12.34	12.29
183.6594	12.43	11.49	11.82	12.40	12.32
183.7475	12.45	11.51	11.82	12.43	12.31
183.8356	12.44	11.52	11.81	12.42	12.27
183.9237	12.44	11.54	11.82	12.39	12.23
184.0117	12.43	11.56	11.83	12.43	12.22
184.0998	12.45	11.56	11.83	12.50	12.23
184.1879	12.46	11.55	11.84	12.56	12.25
184.2760	12.46	11.56	11.83	12.54	12.22
184.3641	12.45	11.56	11.86	12.48	12.18
184.4522	12.45	11.58	11.85	12.48	12.20
184.5403	12.44	11.58	11.86	12.51	12.24
184.6283	12.46	11.61	11.85	12.52	12.28
184.7164	12.45	11.62	11.84	12.47	12.29
184.8045	12.45	11.61	11.83	12.40	12.27
184.8926	12.45	11.61	11.81	12.37	12.27
184.9807	12.44	11.59	11.79	12.39	12.30
185.0688	12.42	11.59	11.78	12.42	12.31
185.1569	12.43	11.59	11.79	12.40	12.32
185.2449	12.45	11.60	11.76	12.37	12.29
185.3330	12.46	11.60	11.76	12.38	12.26
185.4211	12.45	11.57	11.77	12.46	12.26
185.5092	12.44	11.58	11.79	12.53	12.25
185.5973	12.44	11.56	11.78	12.55	12.22
185.6854	12.46	11.56	11.79	12.52	12.19
185.7735	12.47	11.57	11.80	12.52	12.18
185.8616	12.48	11.56	11.81	12.55	12.20
185.9496	12.46	11.57	11.82	12.59	12.22
186.0377	12.46	11.56	11.83	12.58	12.21
186.1258	12.46	11.56	11.82	12.52	12.20
186.2139	12.46	11.58	11.82	12.47	12.21
186.3020	12.45	11.57	11.80	12.44	12.24
186.3901	12.43	11.54	11.80	12.47	12.28
186.4782	12.42	11.54	11.79	12.45	12.30
186.5662	12.45	11.54	11.76	12.39	12.27
186.6543	12.44	11.54	11.75	12.35	12.25

186.7424	12.41	11.52	11.73	12.34	12.27
186.8305	12.39	11.49	11.73	12.39	12.29
186.9186	12.41	11.50	11.74	12.44	12.27
187.0067	12.43	11.52	11.73	12.43	12.22
187.0948	12.46	11.53	11.74	12.41	12.20
187.1828	12.45	11.51	11.73	12.44	12.22
187.2709	12.43	11.51	11.76	12.50	12.26
187.3590	12.43	11.52	11.78	12.53	12.23
187.4471	12.44	11.52	11.80	12.50	12.18
187.5352	12.45	11.53	11.83	12.46	12.16
187.6233	12.44	11.52	11.84	12.46	12.19
187.7114	12.40	11.51	11.86	12.47	12.24
187.7994	12.41	11.49	11.86	12.46	12.26
187.8875	12.42	11.48	11.84	12.41	12.25
187.9756	12.44	11.48	11.85	12.36	12.24
188.0637	12.41	11.46	11.84	12.35	12.26
188.1518	12.41	11.43	11.81	12.36	12.30
188.2399	12.42	11.46	11.81	12.37	12.32
188.3280	12.41	11.47	11.82	12.35	12.30
188.4160	12.42	11.48	11.80	12.33	12.25
188.5041	12.42	11.48	11.82	12.36	12.24
188.5922	12.44	11.46	11.83	12.43	12.26
188.6803	12.45	11.48	11.85	12.49	12.27
188.7684	12.46	11.50	11.88	12.50	12.24
188.8565	12.45	11.50	11.90	12.48	12.19
188.9446	12.45	11.51	11.93	12.49	12.17
189.0326	12.45	11.51	11.93	12.54	12.21
189.1207	12.46	11.53	11.92	12.56	12.23
189.2088	12.45	11.54	11.92	12.52	12.23
189.2969	12.43	11.52	11.90	12.46	12.23
189.3850	12.42	11.53	11.87	12.43	12.21
189.4731	12.42	11.54	11.85	12.43	12.25
189.5612	12.42	11.54	11.83	12.43	12.28
189.6493	12.41	11.55	11.79	12.39	12.30
189.7373	12.41	11.55	11.77	12.33	12.28
189.8254	12.41	11.56	11.76	12.31	12.28
189.9135	12.42	11.54	11.77	12.37	12.30
190.0016	12.43	11.53	11.74	12.43	12.30
190.0897	12.44	11.55	11.75	12.45	12.30
190.1778	12.45	11.56	11.76	12.43	12.25
190.2659	12.46	11.59	11.78	12.43	12.23
190.3539	12.47	11.58	11.79	12.49	12.22
190.4420	12.45	11.59	11.80	12.57	12.24
190.5301	12.45	11.60	11.83	12.59	12.25
190.6182	12.45	11.59	11.83	12.54	12.23
190.7063	12.47	11.59	11.82	12.49	12.20
190.7944	12.46	11.59	11.82	12.49	12.21
190.8825	12.45	11.59	11.80	12.53	12.26
190.9705	12.44	11.58	11.80	12.53	12.28
191.0586	12.44	11.58	11.78	12.48	12.27
191.1467	12.44	11.57	11.76	12.40	12.24
191.2348	12.45	11.56	11.75	12.38	12.25
191.3229	12.42	11.54	11.75	12.41	12.29
191.4110	12.43	11.52	11.75	12.45	12.29
191.4991	12.44	11.53	11.76	12.43	12.27
191.5871	12.46	11.53	11.75	12.41	12.24
191.6752	12.46	11.53	11.76	12.42	12.24
191.7633	12.45	11.52	11.76	12.49	12.25
191.8514	12.43	11.52	11.77	12.55	12.24
191.9395	12.44	11.52	11.79	12.53	12.19
192.0276	12.45	11.55	11.79	12.49	12.16

192.1157	12.44	11.55	11.79	12.48	12.16
192.2037	12.41	11.52	11.80	12.50	12.20
192.2918	12.41	11.53	11.83	12.54	12.21
192.3799	12.42	11.53	11.83	12.52	12.18
192.4680	12.43	11.53	11.81	12.43	12.17
192.5561	12.41	11.52	11.81	12.38	12.20
192.6442	12.38	11.50	11.82	12.36	12.25
192.7323	12.36	11.51	11.82	12.38	12.28
192.8203	12.39	11.51	11.79	12.37	12.28
192.9084	12.41	11.50	11.78	12.30	12.26
192.9965	12.42	11.50	11.80	12.29	12.26
193.0846	12.40	11.46	11.79	12.31	12.31
193.1727	12.42	11.46	11.80	12.37	12.32
193.2608	12.42	11.48	11.82	12.41	12.28
193.3489	12.43	11.48	11.85	12.42	12.22
193.4370	12.43	11.49	11.86	12.43	12.19
193.5250	12.43	11.48	11.86	12.46	12.21
193.6131	12.43	11.48	11.88	12.51	12.23
193.7012	12.44	11.49	11.90	12.53	12.22
193.7893	12.43	11.50	11.89	12.50	12.17
193.8774	12.43	11.52	11.89	12.46	12.16
193.9655	12.41	11.50	11.89	12.47	12.20
194.0536	12.41	11.53	11.89	12.47	12.27
194.1416	12.41	11.56	11.87	12.44	12.28
194.2297	12.43	11.55	11.84	12.38	12.27
194.3178	12.43	11.53	11.83	12.34	12.25
194.4059	12.42	11.51	11.83	12.35	12.29
194.4940	12.42	11.53	11.79	12.36	12.33
194.5821	12.44	11.54	11.77	12.36	12.35
194.6702	12.43	11.55	11.76	12.35	12.31
194.7582	12.44	11.57	11.76	12.36	12.26
194.8463	12.43	11.58	11.78	12.41	12.23
194.9344	12.44	11.58	11.77	12.48	12.25
195.0225	12.44	11.58	11.78	12.52	12.27
195.1106	12.44	11.58	11.78	12.51	12.23
195.1987	12.45	11.57	11.82	12.50	12.19
195.2868	12.45	11.60	11.82	12.51	12.19
195.3748	12.44	11.60	11.81	12.53	12.21
195.4629	12.42	11.60	11.82	12.55	12.25
195.5510	12.43	11.60	11.82	12.50	12.24
195.6391	12.44	11.59	11.81	12.43	12.23
195.7272	12.45	11.59	11.79	12.41	12.24
195.8153	12.43	11.57	11.77	12.43	12.28
195.9034	12.41	11.57	11.78	12.45	12.30
195.9914	12.42	11.58	11.77	12.41	12.30
196.0795	12.44	11.57	11.76	12.36	12.27
196.1676	12.46	11.56	11.76	12.36	12.26
196.2557	12.44	11.55	11.75	12.42	12.27
196.3438	12.42	11.54	11.77	12.49	12.26
196.4319	12.43	11.53	11.78	12.50	12.23
196.5200	12.44	11.53	11.78	12.47	12.19
196.6080	12.46	11.53	11.79	12.48	12.18
196.6961	12.46	11.52	11.81	12.54	12.20
196.7842	12.44	11.52	11.83	12.60	12.21
196.8723	12.45	11.51	11.84	12.58	12.21
196.9604	12.46	11.52	11.84	12.51	12.18
197.0485	12.45	11.54	11.83	12.46	12.18
197.1366	12.42	11.53	11.82	12.45	12.21
197.2247	12.39	11.53	11.81	12.48	12.25
197.3127	12.40	11.54	11.80	12.46	12.25
197.4008	12.42	11.53	11.77	12.37	12.24

197.4889	12.43	11.52	11.74	12.30	12.24
197.5770	12.39	11.49	11.73	12.30	12.26
197.6651	12.37	11.48	11.74	12.35	12.29
197.7532	12.38	11.50	11.74	12.38	12.28
197.8413	12.41	11.49	11.73	12.34	12.25
197.9293	12.43	11.48	11.74	12.34	12.22
198.0174	12.42	11.47	11.75	12.38	12.24
198.1055	12.41	11.47	11.78	12.46	12.27
198.1936	12.42	11.47	11.80	12.51	12.23
198.2817	12.43	11.48	11.82	12.48	12.18
198.3698	12.43	11.50	11.85	12.46	12.17
198.4579	12.42	11.51	11.87	12.45	12.19
198.5459	12.42	11.50	11.88	12.48	12.23
198.6340	12.42	11.51	11.88	12.49	12.25
198.7221	12.44	11.50	11.88	12.45	12.24
198.8102	12.44	11.48	11.86	12.39	12.23
198.8983	12.43	11.46	11.85	12.36	12.26
198.9864	12.41	11.46	11.84	12.37	12.30
199.0745	12.42	11.47	11.81	12.37	12.31
199.1625	12.41	11.48	11.82	12.35	12.30
199.2506	12.42	11.48	11.80	12.33	12.26
199.3387	12.40	11.47	11.81	12.34	12.25
199.4268	12.42	11.48	11.80	12.40	12.27
199.5149	12.43	11.50	11.81	12.45	12.27
199.6030	12.44	11.52	11.84	12.48	12.23
199.6911	12.43	11.52	11.85	12.48	12.17
199.7791	12.44	11.53	11.87	12.50	12.16
199.8672	12.44	11.55	11.87	12.52	12.19
199.9553	12.44	11.56	11.88	12.55	12.22
200.0434	12.43	11.56	11.87	12.54	12.22
200.1315	12.44	11.54	11.87	12.51	12.19
200.2196	12.45	11.56	11.85	12.47	12.19
200.3077	12.44	11.56	11.82	12.48	12.23
200.3957	12.42	11.57	11.79	12.47	12.28
200.4838	12.41	11.57	11.76	12.42	12.28
200.5719	12.41	11.56	11.76	12.36	12.26
200.6600	12.43	11.58	11.74	12.33	12.25
200.7481	12.41	11.57	11.74	12.36	12.28
200.8362	12.42	11.57	11.73	12.40	12.30
200.9243	12.41	11.57	11.75	12.41	12.29
201.0124	12.43	11.56	11.75	12.40	12.25
201.1004	12.46	11.58	11.76	12.41	12.21
201.1885	12.46	11.56	11.77	12.49	12.21
201.2766	12.44	11.57	11.78	12.57	12.24
201.3647	12.46	11.56	11.81	12.58	12.23
201.4528	12.46	11.55	11.80	12.54	12.20
201.5409	12.47	11.56	11.81	12.49	12.18
201.6290	12.46	11.56	11.80	12.51	12.18
201.7170	12.44	11.56	11.80	12.55	12.21
201.8051	12.44	11.54	11.80	12.55	12.23
201.8932	12.45	11.54	11.77	12.48	12.23
201.9813	12.43	11.54	11.76	12.40	12.22
202.0694	12.41	11.53	11.76	12.38	12.23
202.1575	12.39	11.51	11.75	12.41	12.25
202.2456	12.40	11.51	11.75	12.43	12.27
202.3336	12.43	11.51	11.74	12.37	12.26
202.4217	12.44	11.50	11.74	12.32	12.25
202.5098	12.43	11.50	11.75	12.34	12.25
202.5979	12.41	11.49	11.74	12.41	12.28
202.6860	12.41	11.49	11.76	12.48	12.25
202.7741	12.44	11.51	11.77	12.46	12.21

202.8622	12.44	11.53	11.78	12.43	12.17
202.9502	12.42	11.52	11.79	12.44	12.17
203.0383	12.40	11.50	11.81	12.49	12.20
203.1264	12.40	11.50	11.83	12.53	12.20
203.2145	12.42	11.51	11.83	12.49	12.18
203.3026	12.42	11.49	11.83	12.42	12.18
203.3907	12.41	11.48	11.84	12.39	12.19
203.4788	12.39	11.47	11.84	12.39	12.23
203.5668	12.38	11.48	11.83	12.40	12.25
203.6549	12.40	11.49	11.81	12.38	12.26
203.7430	12.41	11.47	11.81	12.31	12.25
203.8311	12.40	11.46	11.82	12.28	12.28
203.9192	12.40	11.44	11.82	12.31	12.30
204.0073	12.42	11.46	11.80	12.37	12.29
204.0954	12.43	11.47	11.83	12.41	12.26
204.1834	12.42	11.47	11.84	12.39	12.21
204.2715	12.41	11.49	11.87	12.40	12.19
204.3596	12.42	11.50	11.86	12.45	12.22
204.4477	12.44	11.50	11.87	12.51	12.23
204.5358	12.45	11.50	11.88	12.54	12.21
204.6239	12.45	11.51	11.89	12.51	12.17
204.7120	12.44	11.52	11.89	12.48	12.16
204.8001	12.44	11.52	11.86	12.47	12.21
204.8881	12.42	11.55	11.86	12.47	12.26
204.9762	12.42	11.57	11.84	12.48	12.26
205.0643	12.42	11.56	11.84	12.43	12.25
205.1524	12.43	11.54	11.81	12.37	12.24
205.2405	12.43	11.54	11.79	12.35	12.29
205.3286	12.42	11.56	11.77	12.36	12.33
205.4167	12.43	11.56	11.75	12.37	12.33
205.5047	12.43	11.55	11.76	12.36	12.29
205.5928	12.43	11.57	11.75	12.34	12.26
205.6809	12.43	11.58	11.76	12.36	12.25
205.7690	12.43	11.57	11.72	12.43	12.26
205.8571	12.43	11.57	11.74	12.49	12.25
205.9452	12.42	11.56	11.75	12.50	12.22
206.0333	12.44	11.58	11.76	12.48	12.18
206.1213	12.44	11.59	11.76	12.49	12.18
206.2094	12.44	11.58	11.77	12.52	12.21
206.2975	12.43	11.58	11.80	12.54	12.24
206.3856	12.44	11.57	11.80	12.51	12.22
206.4737	12.45	11.57	11.79	12.46	12.20
206.5618	12.45	11.57	11.79	12.45	12.22
206.6499	12.42	11.56	11.79	12.46	12.25
206.7379	12.42	11.55	11.78	12.46	12.29
206.8260	12.43	11.56	11.79	12.41	12.28
206.9141	12.45	11.54	11.77	12.36	12.26
207.0022	12.44	11.54	11.77	12.36	12.25
207.0903	12.42	11.52	11.76	12.40	12.27
207.1784	12.40	11.51	11.76	12.44	12.27
207.2665	12.42	11.53	11.75	12.43	12.25
207.3545	12.43	11.52	11.75	12.41	12.21
207.4426	12.43	11.52	11.76	12.43	12.18
207.5307	12.43	11.51	11.77	12.50	12.19
207.6188	12.42	11.49	11.78	12.56	12.20
207.7069	12.43	11.49	11.81	12.53	12.18
207.7950	12.44	11.50	11.83	12.47	12.16
207.8831	12.43	11.52	11.83	12.44	12.15
207.9711	12.40	11.51	11.82	12.46	12.17
208.0592	12.38	11.51	11.83	12.49	12.20
208.1473	12.40	11.52	11.83	12.46	12.21

208.2354	12.41	11.51	11.80	12.38	12.22
208.3235	12.42	11.51	11.76	12.32	12.22
208.4116	12.39	11.48	11.76	12.31	12.25
208.4997	12.37	11.49	11.75	12.34	12.28
208.5878	12.37	11.51	11.75	12.35	12.28
208.6758	12.39	11.49	11.74	12.30	12.26
208.7639	12.40	11.48	11.75	12.28	12.24
208.8520	12.41	11.46	11.77	12.33	12.26
208.9401	12.41	11.46	11.78	12.42	12.26
209.0282	12.43	11.47	11.80	12.47	12.23
209.1163	12.43	11.48	11.82	12.46	12.19
209.2044	12.42	11.49	11.87	12.45	12.17
209.2924	12.43	11.51	11.86	12.46	12.20
209.3805	12.43	11.52	11.88	12.50	12.22
209.4686	12.44	11.52	11.88	12.52	12.22
209.5567	12.43	11.52	11.89	12.48	12.22
209.6448	12.43	11.51	11.88	12.41	12.21
209.7329	12.42	11.50	11.84	12.40	12.23
209.8210	12.41	11.51	11.82	12.41	12.27
209.9090	12.41	11.52	11.81	12.41	12.27
209.9971	12.41	11.52	11.81	12.39	12.26
210.0852	12.41	11.51	11.79	12.33	12.25
210.1733	12.41	11.50	11.77	12.31	12.26
210.2614	12.41	11.51	11.77	12.36	12.27
210.3495	12.42	11.52	11.78	12.42	12.26
210.4376	12.42	11.54	11.78	12.45	12.24
210.5256	12.43	11.54	11.79	12.43	12.21
210.6137	12.44	11.56	11.81	12.43	12.21
210.7018	12.44	11.57	11.81	12.49	12.22
210.7899	12.44	11.58	11.81	12.54	12.24
210.8780	12.43	11.58	11.83	12.55	12.21
210.9661	12.44	11.56	11.83	12.51	12.18
211.0542	12.45	11.58	11.81	12.48	12.18
211.1422	12.45	11.57	11.79	12.48	12.22
211.2303	12.43	11.57	11.80	12.49	12.26
211.3184	12.41	11.56	11.78	12.48	12.26
211.4065	12.42	11.55	11.77	12.41	12.23
211.4946	12.43	11.57	11.76	12.37	12.22
211.5827	12.41	11.55	11.75	12.38	12.25
211.6708	12.39	11.54	11.75	12.41	12.28
211.7588	12.41	11.55	11.75	12.41	12.27
211.8469	12.42	11.54	11.76	12.39	12.23
211.9350	12.44	11.53	11.76	12.40	12.21
212.0231	12.44	11.52	11.76	12.45	12.21
212.1112	12.43	11.51	11.77	12.51	12.23
212.1993	12.44	11.52	11.79	12.54	12.23
212.2874	12.46	11.52	11.80	12.52	12.20
212.3755	12.46	11.52	11.79	12.49	12.17
212.4635	12.45	11.51	11.81	12.51	12.17
212.5516	12.42	11.50	11.81	12.54	12.20
212.6397	12.42	11.50	11.81	12.53	12.22
212.7278	12.43	11.49	11.80	12.47	12.21
212.8159	12.43	11.49	11.79	12.41	12.19
212.9040	12.40	11.50	11.77	12.40	12.20
212.9921	12.37	11.49	11.77	12.41	12.23
213.0801	12.37	11.50	11.76	12.39	12.26
213.1682	12.40	11.49	11.76	12.33	12.26
213.2563	12.42	11.48	11.74	12.28	12.26
213.3444	12.42	11.47	11.74	12.30	12.28
213.4325	12.40	11.46	11.74	12.37	12.29
213.5206	12.41	11.47	11.76	12.41	12.28

213.6087	12.42	11.48	11.77	12.38	12.23
213.6967	12.41	11.48	11.78	12.37	12.19
213.7848	12.40	11.48	11.79	12.39	12.18
213.8729	12.40	11.48	11.80	12.46	12.20
213.9610	12.40	11.48	11.83	12.52	12.20
214.0491	12.41	11.49	11.83	12.48	12.18
214.1372	12.41	11.47	11.84	12.42	12.17
214.2253	12.40	11.46	11.86	12.40	12.19
214.3133	12.39	11.47	11.85	12.43	12.22
214.4014	12.40	11.50	11.85	12.45	12.22
214.4895	12.41	11.49	11.84	12.42	12.24
214.5776	12.41	11.47	11.84	12.34	12.25
214.6657	12.40	11.47	11.83	12.31	12.26
214.7538	12.41	11.48	11.82	12.34	12.28
214.8419	12.43	11.49	11.81	12.39	12.29
214.9299	12.43	11.49	11.82	12.41	12.27
215.0180	12.42	11.50	11.83	12.37	12.23
215.1061	12.41	11.51	11.83	12.35	12.22
215.1942	12.42	11.52	11.81	12.40	12.24
215.2823	12.43	11.51	11.82	12.50	12.25
215.3704	12.43	11.53	11.84	12.55	12.23
215.4585	12.44	11.52	11.83	12.50	12.19
215.5465	12.44	11.53	11.85	12.47	12.18
215.6346	12.45	11.54	11.83	12.49	12.20
215.7227	12.42	11.56	11.84	12.52	12.23
215.8108	12.41	11.58	11.82	12.53	12.23
215.8989	12.42	11.56	11.80	12.47	12.21
215.9870	12.43	11.57	11.79	12.41	12.21
216.0751	12.43	11.58	11.78	12.39	12.25
216.1632	12.41	11.59	11.77	12.42	12.28
216.2512	12.41	11.58	11.75	12.42	12.28
216.3393	12.41	11.56	11.75	12.38	12.27
216.4274	12.43	11.57	11.73	12.34	12.25
216.5155	12.42	11.57	11.73	12.35	12.25
216.6036	12.40	11.55	11.72	12.40	12.27
216.6917	12.41	11.55	11.74	12.45	12.26
216.7798	12.41	11.54	11.73	12.47	12.23
216.8678	12.43	11.55	11.73	12.43	12.20
216.9559	12.44	11.56	11.75	12.44	12.20
217.0440	12.43	11.55	11.75	12.50	12.22
217.1321	12.43	11.55	11.78	12.55	12.23
217.2202	12.44	11.55	11.79	12.54	12.19
217.3083	12.45	11.55	11.80	12.49	12.17
217.3964	12.43	11.55	11.80	12.46	12.18
217.4844	12.41	11.55	11.80	12.46	12.22
217.5725	12.40	11.54	11.81	12.48	12.25
217.6606	12.43	11.53	11.79	12.44	12.24
217.7487	12.44	11.50	11.77	12.38	12.21
217.8368	12.42	11.50	11.77	12.35	12.23
217.9249	12.38	11.48	11.76	12.37	12.26
218.0130	12.38	11.47	11.75	12.38	12.29
218.1010	12.39	11.48	11.74	12.36	12.26
218.1891	12.41	11.48	11.74	12.34	12.22
218.2772	12.40	11.49	11.75	12.36	12.20
218.3653	12.39	11.47	11.73	12.42	12.21
218.4534	12.39	11.47	11.77	12.48	12.21
218.5415	12.42	11.48	11.79	12.48	12.20
218.6296	12.42	11.48	11.82	12.44	12.17
218.7176	12.41	11.50	11.83	12.44	12.15
218.8057	12.40	11.50	11.85	12.47	12.16
218.8938	12.40	11.51	11.86	12.50	12.19

218.9819	12.42	11.51	11.86	12.48	12.21
219.0700	12.41	11.49	11.85	12.40	12.23
219.1581	12.41	11.49	11.83	12.35	12.21
219.2462	12.39	11.47	11.81	12.35	12.24
219.3342	12.38	11.49	11.81	12.38	12.28
219.4223	12.39	11.51	11.78	12.34	12.28
219.5104	12.38	11.49	11.77	12.29	12.27
219.5985	12.38	11.48	11.77	12.27	12.25
219.6866	12.38	11.46	11.78	12.31	12.26
219.7747	12.40	11.47	11.77	12.40	12.26
219.8628	12.42	11.48	11.79	12.45	12.25
219.9509	12.43	11.48	11.82	12.43	12.21
220.0389	12.42	11.49	11.85	12.42	12.19
220.1270	12.42	11.51	11.85	12.46	12.19
220.2151	12.43	11.52	11.85	12.52	12.20
220.3032	12.43	11.53	11.87	12.55	12.20
220.3913	12.43	11.52	11.88	12.51	12.19
220.4794	12.44	11.52	11.87	12.44	12.19
220.5675	12.43	11.53	11.84	12.43	12.21
220.6555	12.41	11.55	11.83	12.46	12.25
220.7436	12.39	11.54	11.80	12.46	12.25
220.8317	12.40	11.54	11.79	12.41	12.25
220.9198	12.41	11.53	11.77	12.33	12.25
221.0079	12.41	11.53	11.76	12.31	12.26
221.0960	12.40	11.54	11.75	12.35	12.29
221.1841	12.40	11.54	11.73	12.39	12.29
221.2721	12.41	11.54	11.74	12.40	12.27
221.3602	12.42	11.54	11.74	12.37	12.24
221.4483	12.44	11.56	11.75	12.39	12.23
221.5364	12.44	11.56	11.76	12.46	12.25
221.6245	12.44	11.57	11.76	12.53	12.25
221.7126	12.43	11.57	11.80	12.56	12.22
221.8007	12.44	11.57	11.78	12.50	12.17
221.8887	12.45	11.58	11.78	12.47	12.16
221.9768	12.43	11.57	11.77	12.50	12.19
222.0649	12.42	11.55	11.78	12.53	12.23
222.1530	12.41	11.54	11.79	12.51	12.21
222.2411	12.42	11.53	11.77	12.44	12.18
222.3292	12.42	11.53	11.77	12.40	12.18
222.4173	12.40	11.53	11.77	12.40	12.22
222.5053	12.38	11.51	11.77	12.42	12.25
222.5934	12.39	11.52	11.77	12.42	12.25
222.6815	12.42	11.50	11.76	12.36	12.24
222.7696	12.42	11.50	11.74	12.34	12.23
222.8577	12.42	11.50	11.73	12.39	12.24
222.9458	12.42	11.49	11.75	12.45	12.25
223.0339	12.43	11.51	11.76	12.48	12.25
223.1219	12.44	11.51	11.77	12.46	12.21
223.2100	12.44	11.51	11.78	12.45	12.17
223.2981	12.43	11.50	11.79	12.48	12.17
223.3862	12.41	11.48	11.80	12.52	12.19
223.4743	12.42	11.48	11.82	12.54	12.17
223.5624	12.42	11.48	11.82	12.49	12.16
223.6505	12.41	11.47	11.80	12.42	12.16
223.7386	12.39	11.48	11.81	12.41	12.18
223.8266	12.36	11.48	11.79	12.41	12.22
223.9147	12.38	11.49	11.79	12.40	12.24
224.0028	12.38	11.47	11.77	12.35	12.24
224.0909	12.40	11.46	11.76	12.29	12.23
224.1790	12.39	11.45	11.76	12.30	12.25
224.2671	12.40	11.44	11.74	12.34	12.29

224.3552	12.41	11.46	11.74	12.36	12.29
224.4432	12.41	11.46	11.76	12.33	12.26
224.5313	12.40	11.47	11.76	12.33	12.20
224.6194	12.39	11.47	11.78	12.38	12.20
224.7075	12.40	11.47	11.79	12.45	12.20
224.7956	12.42	11.49	11.80	12.49	12.21
224.8837	12.41	11.49	11.81	12.45	12.21
224.9718	12.41	11.46	11.84	12.44	12.18
225.0598	12.40	11.48	11.86	12.45	12.18
225.1479	12.41	11.50	11.86	12.48	12.20
225.2360	12.40	11.51	11.85	12.49	12.21
225.3241	12.41	11.51	11.85	12.46	12.23
225.4122	12.42	11.50	11.85	12.39	12.24
225.5003	12.43	11.51	11.83	12.36	12.24
225.5884	12.42	11.52	11.80	12.39	12.26
225.6764	12.42	11.53	11.79	12.42	12.28
225.7645	12.41	11.54	11.79	12.39	12.28
225.8526	12.42	11.53	11.77	12.33	12.26
225.9407	12.42	11.54	11.77	12.32	12.24
226.0288	12.43	11.55	11.77	12.38	12.24
226.1169	12.42	11.54	11.76	12.46	12.26
226.2050	12.41	11.54	11.77	12.49	12.25
226.2930	12.41	11.54	11.78	12.46	12.20
226.3811	12.43	11.55	11.79	12.45	12.18
226.4692	12.45	11.55	11.80	12.49	12.18
226.5573	12.43	11.56	11.80	12.55	12.20
226.6454	12.41	11.57	11.82	12.56	12.20
226.7335	12.42	11.56	11.82	12.50	12.18
226.8216	12.43	11.57	11.81	12.43	12.19
226.9096	12.44	11.58	11.78	12.43	12.21
226.9977	12.42	11.58	11.79	12.46	12.24
227.0858	12.42	11.58	11.78	12.45	12.25
227.1739	12.41	11.55	11.76	12.39	12.24
227.2620	12.42	11.55	11.73	12.32	12.24
227.3501	12.41	11.54	11.71	12.33	12.25
227.4382	12.40	11.52	11.71	12.38	12.28
227.5263	12.39	11.52	11.73	12.41	12.28
227.6143	12.41	11.51	11.72	12.39	12.25
227.7024	12.42	11.51	11.72	12.37	12.21
227.7905	12.43	11.50	11.73	12.41	12.20
227.8786	12.42	11.50	11.75	12.49	12.21
227.9667	12.43	11.49	11.78	12.54	12.20
228.0548	12.43	11.50	11.80	12.52	12.17
228.1429	12.43	11.51	11.79	12.47	12.14
228.2309	12.41	11.53	11.81	12.46	12.13
228.3190	12.39	11.52	11.82	12.49	12.16
228.4071	12.39	11.51	11.83	12.49	12.19
228.4952	12.41	11.51	11.81	12.44	12.20
228.5833	12.41	11.48	11.79	12.37	12.19
228.6714	12.40	11.46	11.78	12.33	12.22
228.7595	12.37	11.45	11.75	12.33	12.26
228.8475	12.38	11.47	11.75	12.34	12.29
228.9356	12.39	11.46	11.74	12.31	12.28
229.0237	12.38	11.45	11.74	12.27	12.25
229.1118	12.37	11.45	11.74	12.28	12.24
229.1999	12.37	11.45	11.74	12.34	12.23
229.2880	12.39	11.47	11.75	12.40	12.23
229.3761	12.41	11.49	11.80	12.42	12.22
229.4641	12.42	11.49	11.82	12.42	12.18
229.5522	12.41	11.51	11.85	12.44	12.15
229.6403	12.41	11.51	11.85	12.47	12.16

229.7284	12.40	11.51	11.87	12.50	12.18
229.8165	12.42	11.50	11.88	12.48	12.20
229.9046	12.42	11.48	11.87	12.43	12.19
229.9927	12.42	11.49	11.85	12.39	12.21
230.0807	12.41	11.49	11.84	12.39	12.24
230.1688	12.39	11.51	11.81	12.39	12.26
230.2569	12.39	11.51	11.79	12.37	12.26
230.3450	12.38	11.49	11.78	12.33	12.24
230.4331	12.38	11.48	11.78	12.29	12.23
230.5212	12.39	11.48	11.77	12.31	12.25
230.6093	12.39	11.50	11.76	12.36	12.27
230.6973	12.41	11.50	11.78	12.39	12.26
230.7854	12.42	11.50	11.80	12.40	12.22
230.8735	12.44	11.50	11.81	12.41	12.19
230.9616	12.43	11.53	11.83	12.46	12.19
231.0497	12.43	11.54	11.83	12.52	12.20
231.1378	12.42	11.54	11.85	12.55	12.21
231.2259	12.43	11.53	11.86	12.51	12.19
231.3140	12.44	11.54	11.85	12.47	12.17
231.4020	12.45	11.56	11.82	12.49	12.19
231.4901	12.43	11.55	11.82	12.50	12.22
231.5782	12.40	11.55	11.81	12.48	12.24
231.6663	12.39	11.54	11.78	12.41	12.24
231.7544	12.40	11.55	11.75	12.34	12.23
231.8425	12.41	11.56	11.72	12.33	12.24
231.9306	12.41	11.56	11.74	12.37	12.27
232.0186	12.39	11.55	11.72	12.40	12.28
232.1067	12.40	11.55	11.73	12.38	12.27
232.1948	12.42	11.53	11.71	12.33	12.25
232.2829	12.43	11.53	11.72	12.36	12.22
232.3710	12.42	11.53	11.73	12.44	12.23
232.4591	12.43	11.54	11.75	12.51	12.24
232.5472	12.43	11.53	11.77	12.51	12.22
232.6352	12.44	11.54	11.76	12.47	12.16
232.7233	12.43	11.55	11.77	12.46	12.14
232.8114	12.41	11.54	11.78	12.51	12.16
232.8995	12.40	11.52	11.78	12.55	12.19
232.9876	12.42	11.50	11.79	12.52	12.19
233.0757	12.42	11.50	11.78	12.44	12.17
233.1638	12.42	11.51	11.78	12.40	12.17
233.2518	12.39	11.50	11.77	12.42	12.20
233.3399	12.38	11.49	11.77	12.42	12.24
233.4280	12.40	11.50	11.76	12.40	12.25
233.5161	12.42	11.48	11.74	12.34	12.25
233.6042	12.42	11.48	11.74	12.32	12.24
233.6923	12.41	11.47	11.74	12.34	12.25
233.7804	12.40	11.47	11.74	12.39	12.26
233.8684	12.42	11.48	11.76	12.42	12.25
233.9565	12.41	11.48	11.77	12.40	12.21
234.0446	12.41	11.49	11.78	12.39	12.17
234.1327	12.39	11.47	11.79	12.44	12.16
234.2208	12.40	11.46	11.80	12.51	12.17
234.3089	12.40	11.47	11.82	12.52	12.17
234.3970	12.41	11.46	11.82	12.48	12.16
234.4850	12.40	11.45	11.83	12.43	12.15
234.5731	12.40	11.47	11.82	12.42	12.16
234.6612	12.37	11.48	11.81	12.43	12.20
234.7493	12.39	11.48	11.80	12.43	12.23
234.8374	12.39	11.46	11.81	12.37	12.23
234.9255	12.40	11.46	11.80	12.31	12.22
235.0136	12.39	11.45	11.78	12.30	12.24

235.1017	12.39	11.45	11.76	12.33	12.29
235.1897	12.40	11.46	11.76	12.34	12.29
235.2778	12.40	11.46	11.77	12.33	12.26
235.3659	12.39	11.46	11.77	12.32	12.22
235.4540	12.40	11.47	11.79	12.34	12.22
235.5421	12.40	11.49	11.78	12.40	12.23
235.6302	12.40	11.49	11.78	12.45	12.23
235.7183	12.40	11.49	11.81	12.47	12.20
235.8063	12.42	11.48	11.82	12.46	12.17
235.8944	12.43	11.51	11.84	12.48	12.17
235.9825	12.43	11.53	11.82	12.51	12.19
236.0706	12.41	11.53	11.84	12.51	12.21
236.1587	12.41	11.52	11.83	12.48	12.21
236.2468	12.41	11.51	11.83	12.44	12.20
236.3349	12.43	11.54	11.80	12.42	12.21
236.4229	12.43	11.56	11.79	12.43	12.24
236.5110	12.41	11.54	11.77	12.43	12.27
236.5991	12.40	11.53	11.75	12.40	12.27
236.6872	12.41	11.53	11.74	12.33	12.25
236.7753	12.42	11.54	11.74	12.32	12.24
236.8634	12.42	11.53	11.73	12.36	12.26
236.9515	12.40	11.53	11.73	12.41	12.29
237.0395	12.39	11.54	11.75	12.43	12.27
237.1276	12.41	11.54	11.73	12.41	12.22
237.2157	12.42	11.56	11.75	12.42	12.19
237.3038	12.43	11.55	11.76	12.49	12.18
237.3919	12.43	11.55	11.78	12.54	12.21
237.4800	12.43	11.54	11.80	12.55	12.21
237.5681	12.44	11.54	11.80	12.49	12.18
237.6561	12.44	11.56	11.80	12.46	12.16
237.7442	12.42	11.57	11.80	12.48	12.18
237.8323	12.41	11.56	11.79	12.50	12.22
237.9204	12.41	11.55	11.78	12.47	12.24
238.0085	12.42	11.54	11.77	12.39	12.23
238.0966	12.41	11.52	11.75	12.34	12.22
238.1847	12.39	11.52	11.71	12.34	12.24
238.2727	12.37	11.50	11.73	12.38	12.27
238.3608	12.37	11.50	11.73	12.39	12.27
238.4489	12.39	11.49	11.72	12.35	12.25
238.5370	12.41	11.48	11.74	12.31	12.22
238.6251	12.40	11.48	11.74	12.37	12.20
238.7132	12.40	11.46	11.76	12.45	12.20
238.8013	12.40	11.47	11.78	12.51	12.20
238.8893	12.42	11.49	11.80	12.50	12.17
238.9774	12.41	11.49	11.81	12.46	12.13
239.0655	12.41	11.51	11.81	12.45	12.12
239.1536	12.38	11.51	11.81	12.48	12.16
239.2417	12.39	11.50	11.83	12.50	12.19
239.3298	12.40	11.50	11.83	12.45	12.19
239.4179	12.40	11.47	11.79	12.36	12.20
239.5060	12.39	11.47	11.78	12.33	12.22
239.5940	12.37	11.46	11.77	12.34	12.26
239.6821	12.37	11.47	11.75	12.35	12.28
239.7702	12.38	11.46	11.74	12.31	12.27
239.8583	12.37	11.44	11.75	12.26	12.25
239.9464	12.36	11.44	11.75	12.25	12.24
240.0345	12.37	11.45	11.74	12.31	12.24
240.1226	12.40	11.46	11.74	12.38	12.24
240.2106	12.41	11.48	11.78	12.42	12.23
240.2987	12.41	11.49	11.80	12.41	12.18
240.3868	12.40	11.51	11.82	12.41	12.17

240.4749	12.41	11.52	11.82	12.46	12.18
240.5630	12.41	11.52	11.84	12.52	12.19
240.6511	12.42	11.52	11.86	12.51	12.19
240.7392	12.41	11.51	11.85	12.46	12.18
240.8272	12.43	11.52	11.84	12.42	12.19
240.9153	12.41	11.52	11.83	12.42	12.23
241.0034	12.40	11.52	11.82	12.43	12.25
241.0915	12.38	11.52	11.80	12.42	12.25
241.1796	12.38	11.51	11.80	12.37	12.23
241.2677	12.39	11.51	11.78	12.33	12.22
241.3558	12.41	11.53	11.78	12.34	12.25
241.4438	12.38	11.55	11.77	12.37	12.28
241.5319	12.40	11.55	11.77	12.39	12.28
241.6200	12.40	11.54	11.77	12.38	12.24
241.7081	12.43	11.54	11.78	12.38	12.20
241.7962	12.43	11.55	11.78	12.42	12.19
241.8843	12.43	11.56	11.79	12.48	12.23
241.9724	12.42	11.55	11.79	12.52	12.23
242.0604	12.42	11.54	11.81	12.52	12.19
242.1485	12.43	11.56	11.80	12.49	12.16
242.2366	12.44	11.56	11.79	12.49	12.17
242.3247	12.41	11.54	11.79	12.50	12.22
242.4128	12.39	11.54	11.79	12.49	12.24
242.5009	12.39	11.54	11.78	12.44	12.21
242.5890	12.41	11.54	11.75	12.39	12.19
242.6770	12.40	11.55	11.74	12.39	12.19
242.7651	12.38	11.55	11.74	12.40	12.23
242.8532	12.37	11.54	11.73	12.39	12.27
242.9413	12.40	11.53	11.73	12.35	12.27
243.0294	12.42	11.50	11.72	12.32	12.23
243.1175	12.42	11.51	11.72	12.35	12.22
243.2056	12.40	11.50	11.73	12.41	12.24
243.2937	12.41	11.50	11.74	12.45	12.26
243.3817	12.42	11.50	11.76	12.45	12.24
243.4698	12.43	11.49	11.75	12.41	12.19
243.5579	12.42	11.51	11.75	12.43	12.15
243.6460	12.39	11.50	11.77	12.50	12.16
243.7341	12.39	11.46	11.79	12.53	12.18
243.8222	12.40	11.47	11.80	12.51	12.17
243.9103	12.41	11.48	11.79	12.43	12.16
243.9983	12.41	11.48	11.79	12.40	12.16
244.0864	12.39	11.48	11.79	12.43	12.19
244.1745	12.37	11.48	11.78	12.44	12.22
244.2626	12.39	11.48	11.78	12.41	12.23
244.3507	12.40	11.46	11.77	12.33	12.23
244.4388	12.41	11.46	11.75	12.30	12.22
244.5269	12.39	11.45	11.74	12.34	12.24
244.6149	12.39	11.45	11.75	12.38	12.25
244.7030	12.40	11.46	11.76	12.37	12.25
244.7911	12.39	11.45	11.76	12.33	12.21
244.8792	12.38	11.45	11.78	12.33	12.19
244.9673	12.37	11.46	11.79	12.39	12.19
245.0554	12.38	11.46	11.79	12.46	12.19
245.1435	12.40	11.46	11.80	12.49	12.19
245.2315	12.40	11.45	11.82	12.46	12.17
245.3196	12.41	11.44	11.85	12.42	12.16
245.4077	12.41	11.47	11.84	12.43	12.18
245.4958	12.40	11.48	11.84	12.47	12.21
245.5839	12.39	11.48	11.84	12.47	12.23
245.6720	12.41	11.47	11.84	12.42	12.23
245.7601	12.41	11.47	11.82	12.35	12.21

245.8481	12.41	11.48	11.81	12.34	12.22
245.9362	12.39	11.49	11.79	12.37	12.26
246.0243	12.39	11.49	11.78	12.37	12.27
246.1124	12.39	11.49	11.78	12.34	12.25
246.2005	12.39	11.47	11.77	12.30	12.22
246.2886	12.40	11.48	11.77	12.32	12.23
246.3767	12.39	11.50	11.76	12.38	12.24
246.4647	12.39	11.49	11.78	12.43	12.25
246.5528	12.40	11.49	11.77	12.46	12.21
246.6409	12.42	11.49	11.79	12.45	12.18
246.7290	12.44	11.52	11.80	12.47	12.18
246.8171	12.43	11.53	11.80	12.51	12.20
246.9052	12.41	11.53	11.80	12.53	12.20
246.9933	12.40	11.52	11.81	12.51	12.19
247.0814	12.43	11.52	11.81	12.46	12.17
247.1694	12.43	11.56	11.80	12.44	12.18
247.2575	12.43	11.57	11.78	12.45	12.22
247.3456	12.40	11.55	11.78	12.46	12.25
247.4337	12.41	11.53	11.77	12.42	12.25
247.5218	12.41	11.52	11.74	12.36	12.22
247.6099	12.42	11.53	11.71	12.33	12.22
247.6980	12.39	11.53	11.73	12.34	12.27
247.7860	12.38	11.52	11.72	12.38	12.30
247.8741	12.39	11.52	11.72	12.38	12.28
247.9622	12.41	11.53	11.71	12.36	12.23
248.0503	12.41	11.54	11.72	12.38	12.19
248.1384	12.41	11.54	11.73	12.45	12.20
248.2265	12.39	11.52	11.75	12.51	12.22
248.3146	12.42	11.52	11.77	12.53	12.20
248.4026	12.44	11.53	11.78	12.50	12.15
248.4907	12.44	11.53	11.78	12.48	12.12
248.5788	12.41	11.54	11.80	12.50	12.14
248.6669	12.39	11.53	11.80	12.50	12.19
248.7550	12.39	11.50	11.80	12.48	12.20
248.8431	12.42	11.48	11.78	12.40	12.18
248.9312	12.41	11.48	11.77	12.36	12.18
249.0192	12.39	11.48	11.75	12.38	12.21
249.1073	12.36	11.48	11.73	12.38	12.26
249.1954	12.37	11.48	11.74	12.36	12.28
249.2835	12.37	11.48	11.74	12.30	12.25
249.3716	12.38	11.47	11.75	12.28	12.21
249.4597	12.38	11.47	11.74	12.33	12.19
249.5478	12.39	11.45	11.76	12.41	12.20
249.6358	12.40	11.47	11.78	12.45	12.21
249.7239	12.41	11.47	11.80	12.43	12.20
249.8120	12.41	11.47	11.81	12.39	12.15
249.9001	12.40	11.49	11.81	12.43	12.13
249.9882	12.39	11.49	11.82	12.49	12.15
250.0763	12.41	11.48	11.83	12.50	12.18
250.1644	12.40	11.48	11.82	12.43	12.19
250.2524	12.39	11.47	11.81	12.37	12.18
250.3405	12.37	11.47	11.80	12.35	12.20
250.4286	12.36	11.48	11.78	12.37	12.24
250.5167	12.37	11.49	11.76	12.37	12.25
250.6048	12.38	11.47	11.76	12.34	12.24
250.6929	12.37	11.46	11.76	12.28	12.23
250.7810	12.37	11.46	11.77	12.26	12.24
250.8691	12.37	11.49	11.75	12.31	12.24
250.9571	12.39	11.48	11.74	12.37	12.26
251.0452	12.40	11.48	11.76	12.38	12.24
251.1333	12.41	11.48	11.78	12.36	12.21

251.2214	12.41	11.51	11.79	12.37	12.19
251.3095	12.42	11.52	11.79	12.43	12.20
251.3976	12.41	11.52	11.80	12.50	12.21
251.4857	12.41	11.53	11.82	12.51	12.20
251.5737	12.41	11.52	11.84	12.47	12.17
251.6618	12.43	11.55	11.82	12.43	12.18
251.7499	12.43	11.55	11.81	12.44	12.22
251.8380	12.41	11.53	11.82	12.48	12.23
251.9261	12.40	11.53	11.81	12.47	12.22
252.0142	12.40	11.52	11.79	12.42	12.20
252.1023	12.41	11.53	11.78	12.36	12.19
252.1903	12.40	11.56	11.78	12.35	12.23
252.2784	12.39	11.56	11.76	12.40	12.27
252.3665	12.40	11.53	11.76	12.41	12.27
252.4546	12.41	11.52	11.76	12.38	12.24
252.5427	12.42	11.54	11.75	12.34	12.21
252.6308	12.42	11.55	11.75	12.37	12.22
252.7189	12.41	11.54	11.74	12.44	12.24
252.8069	12.41	11.53	11.76	12.48	12.23
252.8950	12.42	11.55	11.77	12.47	12.19
252.9831	12.42	11.55	11.76	12.44	12.16
253.0712	12.42	11.54	11.76	12.46	12.17
253.1593	12.40	11.53	11.77	12.49	12.20
253.2474	12.40	11.51	11.79	12.51	12.20
253.3355	12.41	11.52	11.79	12.47	12.17
253.4235	12.41	11.52	11.78	12.42	12.16
253.5116	12.40	11.54	11.77	12.41	12.18
253.5997	12.37	11.53	11.77	12.41	12.22
253.6878	12.37	11.52	11.76	12.41	12.25
253.7759	12.39	11.52	11.75	12.37	12.24
253.8640	12.41	11.49	11.73	12.32	12.22
253.9521	12.40	11.50	11.72	12.32	12.22
254.0401	12.39	11.48	11.73	12.35	12.26
254.1282	12.40	11.47	11.73	12.38	12.28
254.2163	12.40	11.47	11.73	12.38	12.25
254.3044	12.41	11.46	11.74	12.36	12.19
254.3925	12.40	11.48	11.75	12.40	12.15
254.4806	12.38	11.46	11.75	12.45	12.17
254.5687	12.39	11.44	11.77	12.49	12.18
254.6568	12.40	11.46	11.79	12.48	12.17
254.7448	12.41	11.46	11.80	12.44	12.14
254.8329	12.40	11.47	11.80	12.43	12.14
254.9210	12.39	11.48	11.79	12.45	12.17
255.0091	12.39	11.48	11.80	12.45	12.21
255.0972	12.40	11.47	11.80	12.42	12.22
255.1853	12.39	11.46	11.79	12.36	12.20
255.2734	12.39	11.47	11.78	12.33	12.19
255.3614	12.38	11.46	11.76	12.35	12.23
255.4495	12.40	11.46	11.74	12.36	12.26
255.5376	12.40	11.46	11.75	12.34	12.26
255.6257	12.39	11.45	11.74	12.29	12.23
255.7138	12.37	11.46	11.75	12.28	12.20
255.8019	12.38	11.46	11.75	12.34	12.20
255.8900	12.38	11.47	11.75	12.41	12.22
255.9780	12.39	11.47	11.77	12.44	12.22
256.0661	12.41	11.46	11.80	12.43	12.20
256.1542	12.43	11.48	11.82	12.41	12.17
256.2423	12.42	11.50	11.81	12.45	12.17
256.3304	12.41	11.50	11.82	12.52	12.18
256.4185	12.40	11.49	11.84	12.53	12.20
256.5066	12.40	11.50	11.85	12.47	12.19

256.5946	12.41	11.51	11.84	12.40	12.17
256.6827	12.42	11.53	11.82	12.39	12.19
256.7708	12.40	11.52	11.80	12.42	12.22
256.8589	12.39	11.51	11.80	12.43	12.24
256.9470	12.39	11.51	11.78	12.39	12.23
257.0351	12.39	11.49	11.74	12.31	12.22
257.1232	12.39	11.51	11.74	12.30	12.24
257.2112	12.39	11.51	11.74	12.36	12.26
257.2993	12.38	11.50	11.75	12.42	12.26
257.3874	12.40	11.50	11.74	12.42	12.22
257.4755	12.42	11.51	11.75	12.40	12.21
257.5636	12.44	11.52	11.77	12.43	12.20
257.6517	12.43	11.53	11.76	12.50	12.21
257.7398	12.42	11.53	11.79	12.55	12.21
257.8278	12.43	11.53	11.80	12.54	12.19
257.9159	12.43	11.55	11.80	12.48	12.15
258.0040	12.43	11.57	11.78	12.45	12.15
258.0921	12.41	11.57	11.78	12.47	12.19
258.1802	12.38	11.54	11.77	12.49	12.23
258.2683	12.38	11.53	11.77	12.45	12.21
258.3564	12.40	11.51	11.73	12.37	12.19
258.4445	12.40	11.52	11.71	12.32	12.21
258.5325	12.38	11.51	11.70	12.32	12.26
258.6206	12.36	11.49	11.72	12.36	12.29
258.7087	12.38	11.50	11.71	12.36	12.28
258.7968	12.41	11.49	11.70	12.32	12.23
258.8849	12.41	11.50	11.70	12.32	12.21
258.9730	12.40	11.50	11.72	12.38	12.21
259.0611	12.39	11.48	11.73	12.46	12.23
259.1491	12.41	11.49	11.75	12.50	12.19
259.2372	12.42	11.50	11.77	12.47	12.15
259.3253	12.43	11.51	11.78	12.46	12.11
259.4134	12.41	11.51	11.80	12.49	12.14
259.5015	12.39	11.48	11.81	12.51	12.18
259.5896	12.39	11.46	11.82	12.50	12.18
259.6777	12.40	11.44	11.82	12.43	12.16
259.7657	12.40	11.44	11.81	12.39	12.17
259.8538	12.39	11.44	11.78	12.38	12.21
259.9419	12.37	11.45	11.76	12.37	12.26
260.0300	12.38	11.45	11.77	12.35	12.26
260.1181	12.37	11.45	11.77	12.31	12.24
260.2062	12.37	11.45	11.76	12.28	12.21
260.2943	12.36	11.45	11.75	12.30	12.20
260.3823	12.37	11.45	11.75	12.35	12.23
260.4704	12.39	11.45	11.77	12.38	12.25
260.5585	12.39	11.46	11.79	12.37	12.21
260.6466	12.40	11.46	11.79	12.38	12.16
260.7347	12.40	11.47	11.81	12.42	12.14
260.8228	12.39	11.47	11.81	12.47	12.17
260.9109	12.39	11.47	11.84	12.49	12.19
260.9989	12.39	11.47	11.84	12.45	12.18
261.0870	12.39	11.46	11.83	12.40	12.17
261.1751	12.39	11.48	11.82	12.40	12.19
261.2632	12.38	11.49	11.82	12.43	12.21
261.3513	12.37	11.48	11.79	12.43	12.23
261.4394	12.37	11.49	11.79	12.37	12.24
261.5275	12.38	11.48	11.78	12.30	12.22
261.6155	12.38	11.50	11.77	12.28	12.23
261.7036	12.38	11.53	11.75	12.33	12.25
261.7917	12.38	11.51	11.74	12.36	12.27
261.8798	12.40	11.50	11.75	12.35	12.27

261.9679	12.40	11.50	11.76	12.31	12.24
262.0560	12.43	11.52	11.75	12.33	12.22
262.1441	12.42	11.52	11.75	12.41	12.22
262.2322	12.41	11.51	11.78	12.49	12.23
262.3202	12.40	11.52	11.80	12.50	12.22
262.4083	12.41	11.53	11.80	12.45	12.18
262.4964	12.42	11.56	11.80	12.43	12.17
262.5845	12.42	11.55	11.81	12.49	12.17
262.6726	12.40	11.54	11.81	12.54	12.20
262.7607	12.40	11.54	11.81	12.51	12.19
262.8488	12.41	11.53	11.79	12.43	12.19
262.9368	12.41	11.55	11.77	12.37	12.18
263.0249	12.39	11.57	11.77	12.37	12.21
263.1130	12.38	11.55	11.75	12.43	12.25
263.2011	12.39	11.52	11.75	12.42	12.27
263.2892	12.42	11.52	11.74	12.37	12.24
263.3773	12.42	11.52	11.71	12.30	12.22
263.4654	12.40	11.52	11.71	12.32	12.24
263.5534	12.38	11.51	11.73	12.39	12.27
263.6415	12.39	11.51	11.73	12.44	12.24
263.7296	12.40	11.53	11.73	12.42	12.20
263.8177	12.41	11.54	11.73	12.40	12.16
263.9058	12.40	11.54	11.76	12.43	12.17
263.9939	12.38	11.51	11.77	12.49	12.19
264.0820	12.38	11.50	11.79	12.52	12.17
264.1700	12.41	11.51	11.80	12.49	12.13
264.2581	12.41	11.51	11.79	12.44	12.12
264.3462	12.40	11.51	11.78	12.43	12.15
264.4343	12.38	11.50	11.79	12.44	12.20
264.5224	12.37	11.49	11.79	12.44	12.23
264.6105	12.39	11.49	11.77	12.39	12.21
264.6986	12.39	11.47	11.75	12.31	12.20
264.7866	12.38	11.48	11.74	12.30	12.22
264.8747	12.37	11.46	11.73	12.32	12.26
264.9628	12.37	11.44	11.74	12.36	12.27
265.0509	12.38	11.45	11.75	12.35	12.24
265.1390	12.38	11.44	11.75	12.32	12.18
265.2271	12.37	11.45	11.75	12.34	12.17
265.3152	12.36	11.45	11.76	12.40	12.20
265.4032	12.39	11.45	11.78	12.46	12.20
265.4913	12.40	11.47	11.81	12.47	12.17
265.5794	12.41	11.46	11.80	12.44	12.14
265.6675	12.40	11.48	11.81	12.43	12.14
265.7556	12.39	11.48	11.81	12.46	12.18
265.8437	12.39	11.47	11.82	12.47	12.21
265.9318	12.40	11.48	11.82	12.44	12.21
266.0199	12.40	11.47	11.81	12.38	12.18
266.1079	12.38	11.48	11.79	12.34	12.18
266.1960	12.37	11.49	11.76	12.36	12.23
266.2841	12.38	11.48	11.74	12.35	12.28
266.3722	12.38	11.46	11.73	12.33	12.28
266.4603	12.38	11.45	11.71	12.28	12.24
266.5484	12.37	11.46	11.73	12.27	12.22
266.6365	12.37	11.48	11.73	12.32	12.22
266.7245	12.37	11.48	11.73	12.37	12.25
266.8126	12.38	11.48	11.75	12.41	12.24
266.9007	12.40	11.48	11.77	12.40	12.21
266.9888	12.42	11.50	11.80	12.42	12.18
267.0769	12.42	11.51	11.80	12.48	12.16
267.1650	12.41	11.51	11.81	12.54	12.18
267.2531	12.40	11.51	11.84	12.55	12.19

267.3411	12.41	11.51	11.85	12.50	12.17
267.4292	12.42	11.54	11.83	12.44	12.15
267.5173	12.42	11.55	11.82	12.45	12.17
267.6054	12.40	11.52	11.83	12.48	12.20
267.6935	12.40	11.51	11.80	12.46	12.23
267.7816	12.41	11.51	11.77	12.39	12.24
267.8697	12.41	11.51	11.74	12.32	12.23
267.9577	12.39	11.52	11.75	12.32	12.24
268.0458	12.37	11.52	11.74	12.38	12.27
268.1339	12.38	11.51	11.72	12.40	12.27
268.2220	12.40	11.51	11.74	12.38	12.24
268.3101	12.42	11.51	11.73	12.36	12.22
268.3982	12.42	11.52	11.75	12.39	12.21
268.4863	12.41	11.51	11.75	12.48	12.22
268.5743	12.40	11.50	11.78	12.54	12.20
268.6624	12.43	11.51	11.79	12.53	12.17
268.7505	12.44	11.53	11.78	12.46	12.12
268.8386	12.42	11.55	11.78	12.45	12.12
268.9267	12.39	11.54	11.77	12.49	12.16
269.0148	12.37	11.51	11.77	12.50	12.20
269.1029	12.38	11.50	11.76	12.45	12.18
269.1909	12.39	11.49	11.73	12.36	12.17
269.2790	12.39	11.51	11.70	12.32	12.20
269.3671	12.38	11.48	11.71	12.33	12.25
269.4552	12.36	11.46	11.72	12.37	12.28
269.5433	12.38	11.48	11.71	12.35	12.27
269.6314	12.40	11.46	11.70	12.29	12.24
269.7195	12.40	11.46	11.71	12.29	12.23
269.8076	12.39	11.46	11.73	12.34	12.23
269.8956	12.39	11.45	11.75	12.42	12.24
269.9837	12.40	11.46	11.75	12.45	12.21
270.0718	12.41	11.48	11.77	12.43	12.15
270.1599	12.40	11.49	11.77	12.42	12.12
270.2480	12.40	11.49	11.79	12.46	12.15
270.3361	12.39	11.47	11.79	12.50	12.18
270.4242	12.40	11.45	11.82	12.50	12.18
270.5122	12.39	11.45	11.82	12.44	12.16
270.6003	12.38	11.45	11.80	12.39	12.16
270.6884	12.38	11.45	11.79	12.39	12.19
270.7765	12.39	11.45	11.78	12.39	12.23
270.8646	12.38	11.44	11.78	12.38	12.25
270.9527	12.38	11.44	11.78	12.32	12.23
271.0408	12.36	11.45	11.76	12.28	12.20
271.1288	12.35	11.46	11.76	12.30	12.20
271.2169	12.37	11.46	11.74	12.34	12.23
271.3050	12.38	11.47	11.76	12.36	12.25
271.3931	12.40	11.48	11.77	12.34	12.22
271.4812	12.40	11.48	11.77	12.33	12.18
271.5693	12.40	11.48	11.77	12.38	12.16
271.6574	12.39	11.49	11.78	12.45	12.19
271.7454	12.39	11.48	11.80	12.48	12.20
271.8335	12.39	11.49	11.81	12.46	12.16
271.9216	12.40	11.50	11.82	12.43	12.14
272.0097	12.41	11.52	11.81	12.44	12.16
272.0978	12.40	11.51	11.81	12.47	12.20
272.1859	12.39	11.49	11.79	12.46	12.22
272.2740	12.38	11.51	11.79	12.42	12.21
272.3620	12.39	11.52	11.80	12.36	12.19
272.4501	12.40	11.54	11.78	12.33	12.21
272.5382	12.38	11.55	11.74	12.37	12.24
272.6263	12.38	11.54	11.73	12.37	12.27

272.7144	12.39	11.53	11.75	12.35	12.27
272.8025	12.41	11.51	11.73	12.31	12.23
272.8906	12.41	11.52	11.74	12.33	12.21
272.9786	12.41	11.51	11.75	12.40	12.22
273.0667	12.39	11.50	11.76	12.45	12.25
273.1548	12.40	11.52	11.76	12.45	12.22
273.2429	12.41	11.54	11.77	12.43	12.17
273.3310	12.42	11.54	11.78	12.44	12.16
273.4191	12.42	11.54	11.78	12.51	12.16
273.5072	12.39	11.53	11.79	12.54	12.18
273.5953	12.39	11.52	11.79	12.51	12.18
273.6833	12.41	11.53	11.78	12.43	12.17
273.7714	12.42	11.56	11.76	12.38	12.17
273.8595	12.40	11.57	11.76	12.41	12.20
273.9476	12.38	11.54	11.76	12.45	12.24
274.0357	12.38	11.52	11.74	12.41	12.25
274.1238	12.40	11.52	11.72	12.33	12.24
274.2119	12.41	11.51	11.71	12.28	12.23
274.2999	12.39	11.51	11.70	12.31	12.25
274.3880	12.37	11.49	11.71	12.37	12.27
274.4761	12.37	11.50	11.72	12.38	12.25
274.5642	12.38	11.51	11.72	12.35	12.20
274.6523	12.38	11.50	11.72	12.33	12.17
274.7404	12.39	11.50	11.75	12.39	12.17
274.8285	12.38	11.49	11.78	12.48	12.18
274.9165	12.39	11.48	11.78	12.51	12.15
275.0046	12.40	11.48	11.80	12.48	12.12
275.0927	12.40	11.49	11.79	12.42	12.11
275.1808	12.39	11.48	11.80	12.43	12.14
275.2689	12.39	11.47	11.80	12.46	12.19
275.3570	12.39	11.46	11.81	12.45	12.21
275.4451	12.39	11.46	11.81	12.39	12.20
275.5331	12.38	11.46	11.78	12.32	12.17
275.6212	12.37	11.45	11.77	12.32	12.19
275.7093	12.37	11.43	11.76	12.34	12.23
275.7974	12.38	11.43	11.76	12.36	12.25
275.8855	12.38	11.43	11.76	12.33	12.23
275.9736	12.38	11.43	11.76	12.28	12.20
276.0617	12.36	11.44	11.76	12.29	12.18
276.1497	12.37	11.44	11.76	12.36	12.20
276.2378	12.38	11.45	11.77	12.42	12.22
276.3259	12.40	11.47	11.79	12.44	12.20
276.4140	12.41	11.46	11.80	12.41	12.16
276.5021	12.41	11.48	11.80	12.43	12.15
276.5902	12.40	11.48	11.80	12.46	12.18
276.6783	12.40	11.47	11.81	12.48	12.21
276.7663	12.40	11.49	11.82	12.47	12.20
276.8544	12.40	11.49	11.82	12.40	12.17
276.9425	12.38	11.50	11.79	12.36	12.16
277.0306	12.38	11.51	11.77	12.36	12.21
277.1187	12.37	11.49	11.75	12.36	12.26
277.2068	12.36	11.47	11.74	12.35	12.25
277.2949	12.38	11.48	11.73	12.31	12.22
277.3830	12.38	11.49	11.73	12.29	12.22
277.4710	12.38	11.49	11.72	12.31	12.23
277.5591	12.37	11.50	11.72	12.35	12.25
277.6472	12.38	11.49	11.74	12.38	12.25
277.7353	12.39	11.50	11.75	12.38	12.22
277.8234	12.42	11.51	11.77	12.38	12.20
277.9115	12.43	11.52	11.77	12.44	12.18
277.9996	12.41	11.52	11.79	12.52	12.20

278.0876	12.41	11.51	11.81	12.53	12.19
278.1757	12.42	11.52	11.81	12.50	12.15
278.2638	12.42	11.54	11.81	12.46	12.14
278.3519	12.42	11.54	11.81	12.48	12.16
278.4400	12.40	11.52	11.81	12.50	12.21
278.5281	12.40	11.50	11.80	12.47	12.22
278.6162	12.41	11.50	11.77	12.41	12.20
278.7042	12.42	11.51	11.73	12.35	12.20
278.7923	12.40	11.52	11.73	12.35	12.23
278.8804	12.37	11.51	11.74	12.39	12.26
278.9685	12.36	11.50	11.72	12.38	12.26
279.0566	12.39	11.52	11.72	12.34	12.24
279.1447	12.41	11.51	11.72	12.32	12.20
279.2328	12.41	11.50	11.74	12.37	12.19
279.3208	12.39	11.49	11.75	12.45	12.22
279.4089	12.39	11.47	11.76	12.48	12.21
279.4970	12.40	11.49	11.77	12.46	12.17
279.5851	12.42	11.50	11.77	12.43	12.12
279.6732	12.41	11.51	11.77	12.46	12.11
279.7613	12.39	11.49	11.78	12.51	12.15
279.8494	12.37	11.47	11.78	12.52	12.18
279.9374	12.38	11.48	11.77	12.45	12.18
280.0255	12.39	11.48	11.75	12.36	12.16
280.1136	12.39	11.49	11.74	12.35	12.18
280.2017	12.37	11.47	11.75	12.38	12.22
280.2898	12.37	11.47	11.74	12.39	12.25
280.3779	12.38	11.47	11.74	12.35	12.25
280.4660	12.39	11.46	11.73	12.28	12.23
280.5540	12.37	11.46	11.73	12.28	12.21
280.6421	12.37	11.45	11.74	12.33	12.22
280.7302	12.37	11.44	11.75	12.40	12.23
280.8183	12.40	11.44	11.76	12.40	12.21
280.9064	12.41	11.45	11.77	12.37	12.17
280.9945	12.40	11.45	11.77	12.37	12.15
281.0826	12.38	11.45	11.77	12.43	12.17
281.1707	12.38	11.44	11.78	12.49	12.18
281.2587	12.39	11.45	11.80	12.49	12.18
281.3468	12.40	11.46	11.80	12.44	12.15
281.4349	12.39	11.45	11.81	12.40	12.14
281.5230	12.39	11.46	11.79	12.40	12.18
281.6111	12.37	11.46	11.79	12.42	12.21
281.6992	12.38	11.45	11.78	12.40	12.22
281.7873	12.38	11.45	11.80	12.36	12.20
281.8753	12.38	11.46	11.78	12.31	12.19
281.9634	12.36	11.48	11.76	12.31	12.21
282.0515	12.37	11.49	11.75	12.33	12.25
282.1396	12.37	11.47	11.76	12.34	12.26
282.2277	12.39	11.48	11.75	12.33	12.23
282.3158	12.40	11.48	11.74	12.30	12.20
282.4039	12.40	11.50	11.74	12.34	12.20
282.4919	12.38	11.50	11.76	12.41	12.23
282.5800	12.38	11.50	11.77	12.46	12.22
282.6681	12.38	11.52	11.78	12.46	12.17
282.7562	12.41	11.53	11.80	12.43	12.15
282.8443	12.42	11.54	11.79	12.45	12.16
282.9324	12.41	11.51	11.81	12.51	12.19
283.0205	12.40	11.50	11.81	12.51	12.20
283.1085	12.40	11.51	11.81	12.47	12.18
283.1966	12.40	11.53	11.79	12.40	12.17
283.2847	12.41	11.55	11.79	12.38	12.18
283.3728	12.38	11.55	11.79	12.41	12.22

283.4609	12.38	11.53	11.76	12.41	12.26
283.5490	12.38	11.52	11.75	12.38	12.24
283.6371	12.41	11.52	11.73	12.33	12.21
283.7251	12.40	11.52	11.73	12.33	12.21
283.8132	12.39	11.51	11.74	12.38	12.24
283.9013	12.38	11.49	11.74	12.40	12.27
283.9894	12.40	11.51	11.75	12.40	12.24
284.0775	12.41	11.52	11.73	12.38	12.19
284.1656	12.42	11.52	11.75	12.41	12.16
284.2537	12.40	11.52	11.76	12.48	12.17
284.3417	12.38	11.50	11.76	12.52	12.19
284.4298	12.39	11.51	11.77	12.50	12.18
284.5179	12.42	11.53	11.77	12.44	12.15
284.6060	12.42	11.54	11.76	12.42	12.14
284.6941	12.39	11.53	11.76	12.44	12.18
284.7822	12.37	11.51	11.76	12.44	12.24
284.8703	12.37	11.51	11.76	12.39	12.24
284.9584	12.39	11.51	11.73	12.33	12.21
285.0464	12.39	11.49	11.71	12.29	12.20
285.1345	12.38	11.49	11.71	12.33	12.23
285.2226	12.35	11.47	11.73	12.36	12.27
285.3107	12.37	11.47	11.71	12.34	12.26
285.3988	12.37	11.47	11.72	12.30	12.21
285.4869	12.37	11.47	11.72	12.30	12.17
285.5750	12.35	11.47	11.74	12.37	12.18
285.6630	12.37	11.46	11.75	12.44	12.19
285.7511	12.39	11.46	11.77	12.45	12.18
285.8392	12.40	11.47	11.79	12.42	12.16
285.9273	12.40	11.48	11.80	12.41	12.13
286.0154	12.39	11.46	11.80	12.44	12.15
286.1035	12.39	11.46	11.80	12.48	12.19
286.1916	12.40	11.46	11.82	12.48	12.20
286.2796	12.39	11.47	11.83	12.42	12.19
286.3677	12.38	11.46	11.82	12.34	12.16
286.4558	12.37	11.46	11.80	12.35	12.17
286.5439	12.36	11.47	11.78	12.39	12.22
286.6320	12.36	11.45	11.77	12.39	12.24
286.7201	12.37	11.45	11.78	12.34	12.23
286.8082	12.38	11.46	11.76	12.27	12.21
286.8962	12.37	11.47	11.75	12.28	12.21
286.9843	12.37	11.47	11.73	12.34	12.23
287.0724	12.37	11.46	11.74	12.39	12.24
287.1605	12.38	11.47	11.76	12.40	12.21
287.2486	12.40	11.47	11.77	12.36	12.18
287.3367	12.41	11.49	11.76	12.39	12.18
287.4248	12.42	11.49	11.77	12.46	12.19
287.5128	12.41	11.48	11.80	12.52	12.20
287.6009	12.40	11.50	11.81	12.50	12.17
287.6890	12.38	11.52	11.81	12.43	12.14
287.7771	12.39	11.53	11.79	12.39	12.14
287.8652	12.38	11.52	11.79	12.42	12.19
287.9533	12.38	11.50	11.77	12.44	12.23
288.0414	12.38	11.51	11.75	12.42	12.22
288.1294	12.39	11.50	11.73	12.36	12.20
288.2175	12.38	11.50	11.73	12.32	12.20
288.3056	12.38	11.51	11.73	12.34	12.24
288.3937	12.37	11.50	11.72	12.37	12.26
288.4818	12.39	11.50	11.72	12.37	12.27
288.5699	12.40	11.51	11.72	12.35	12.23
288.6580	12.42	11.52	11.73	12.36	12.21
288.7461	12.41	11.52	11.74	12.42	12.21

288.8341	12.41	11.51	11.75	12.48	12.23
288.9222	12.40	11.51	11.77	12.51	12.20
289.0103	12.42	11.54	11.77	12.48	12.14
289.0984	12.41	11.55	11.77	12.46	12.12
289.1865	12.41	11.54	11.78	12.49	12.15
289.2746	12.38	11.52	11.80	12.52	12.19
289.3627	12.39	11.50	11.79	12.50	12.20
289.4507	12.41	11.51	11.77	12.43	12.16
289.5388	12.41	11.50	11.75	12.37	12.17
289.6269	12.39	11.50	11.75	12.37	12.20
289.7150	12.36	11.49	11.74	12.39	12.25
289.8031	12.36	11.49	11.73	12.38	12.26
289.8912	12.39	11.51	11.72	12.34	12.23
289.9793	12.39	11.49	11.71	12.30	12.20
290.0673	12.39	11.49	11.72	12.31	12.21
290.1554	12.35	11.48	11.72	12.37	12.24
290.2435	12.38	11.47	11.73	12.40	12.24
290.3316	12.39	11.48	11.75	12.40	12.19
290.4197	12.40	11.48	11.75	12.40	12.14
290.5078	12.39	11.49	11.75	12.44	12.12
290.5959	12.38	11.46	11.77	12.49	12.16
290.6839	12.38	11.44	11.78	12.50	12.18
290.7720	12.40	11.46	11.79	12.45	12.17
290.8601	12.39	11.47	11.79	12.40	12.14
290.9482	12.39	11.46	11.79	12.40	12.15
291.0363	12.37	11.45	11.77	12.42	12.19
291.1244	12.37	11.45	11.77	12.42	12.22
291.2125	12.37	11.45	11.78	12.36	12.22
291.3005	12.38	11.45	11.76	12.30	12.19
291.3886	12.36	11.45	11.75	12.30	12.19
291.4767	12.36	11.44	11.74	12.34	12.21
291.5648	12.36	11.44	11.75	12.37	12.25
291.6529	12.38	11.43	11.75	12.34	12.23
291.7410	12.40	11.43	11.74	12.31	12.19
291.8291	12.39	11.42	11.76	12.33	12.18
291.9171	12.39	11.43	11.76	12.40	12.20
292.0052	12.38	11.43	11.77	12.46	12.21
292.0933	12.38	11.45	11.78	12.46	12.19
292.1814	12.39	11.47	11.81	12.43	12.14
292.2695	12.39	11.48	11.80	12.41	12.14
292.3576	12.39	11.48	11.80	12.45	12.16
292.4457	12.38	11.48	11.80	12.47	12.19
292.5338	12.38	11.48	11.80	12.45	12.20
292.6218	12.38	11.49	11.80	12.38	12.19
292.7099	12.38	11.49	11.78	12.32	12.18
292.7980	12.38	11.51	11.76	12.33	12.21
292.8861	12.37	11.51	11.75	12.37	12.25
292.9742	12.37	11.48	11.74	12.36	12.27
293.0623	12.39	11.49	11.72	12.31	12.24
293.1504	12.40	11.48	11.72	12.28	12.22
293.2384	12.39	11.48	11.72	12.32	12.23
293.3265	12.38	11.49	11.72	12.39	12.26
293.4146	12.38	11.50	11.74	12.44	12.25
293.5027	12.39	11.52	11.75	12.43	12.18
293.5908	12.40	11.53	11.77	12.42	12.14
293.6789	12.41	11.53	11.79	12.46	12.15
293.7670	12.41	11.52	11.80	12.52	12.18
293.8550	12.40	11.51	11.80	12.54	12.18
293.9431	12.41	11.51	11.82	12.50	12.16
294.0312	12.43	11.54	11.81	12.44	12.14
294.1193	12.41	11.54	11.80	12.41	12.16

294.2074	12.38	11.53	11.80	12.43	12.20
294.2955	12.37	11.50	11.79	12.43	12.24
294.3836	12.40	11.51	11.76	12.40	12.23
294.4716	12.41	11.51	11.74	12.34	12.20
294.5597	12.40	11.51	11.71	12.31	12.21
294.6478	12.37	11.51	11.73	12.34	12.26
294.7359	12.36	11.49	11.72	12.36	12.27
294.8240	12.38	11.51	11.72	12.35	12.24
294.9121	12.40	11.50	11.73	12.35	12.19
295.0002	12.40	11.50	11.72	12.36	12.17
295.0882	12.38	11.49	11.74	12.43	12.19
295.1763	12.37	11.48	11.75	12.48	12.19
295.2644	12.39	11.50	11.77	12.48	12.16
295.3525	12.40	11.50	11.77	12.45	12.13
295.4406	12.40	11.50	11.77	12.43	12.13
295.5287	12.38	11.49	11.77	12.45	12.17
295.6168	12.37	11.48	11.78	12.46	12.20
295.7048	12.37	11.48	11.78	12.41	12.20
295.7929	12.39	11.49	11.77	12.35	12.17
295.8810	12.37	11.48	11.74	12.31	12.18
295.9691	12.36	11.47	11.74	12.34	12.22
296.0572	12.35	11.46	11.73	12.34	12.26
296.1453	12.37	11.45	11.73	12.33	12.24
296.2334	12.38	11.45	11.73	12.29	12.19
296.3215	12.37	11.44	11.73	12.28	12.18
296.4095	12.35	11.45	11.73	12.32	12.20
296.4976	12.36	11.45	11.73	12.37	12.23
296.5857	12.37	11.46	11.76	12.39	12.21
296.6738	12.40	11.47	11.79	12.38	12.17
296.7619	12.39	11.46	11.78	12.40	12.14
296.8500	12.40	11.46	11.79	12.45	12.15
296.9381	12.39	11.47	11.81	12.50	12.18
297.0261	12.40	11.46	11.83	12.48	12.19
297.1142	12.38	11.48	11.84	12.43	12.16
297.2023	12.38	11.48	11.83	12.39	12.13
297.2904	12.37	11.49	11.81	12.39	12.15
297.3785	12.38	11.49	11.79	12.41	12.20
297.4666	12.37	11.46	11.77	12.39	12.23
297.5547	12.38	11.48	11.76	12.33	12.22
297.6427	12.38	11.48	11.73	12.27	12.21
297.7308	12.38	11.49	11.74	12.28	12.22
297.8189	12.37	11.49	11.72	12.33	12.24
297.9070	12.37	11.49	11.72	12.36	12.25
297.9951	12.37	11.49	11.73	12.34	12.24
298.0832	12.39	11.48	11.75	12.32	12.19
298.1713	12.39	11.49	11.75	12.37	12.18
298.2593	12.40	11.50	11.77	12.45	12.20
298.3474	12.40	11.49	11.79	12.51	12.21
298.4355	12.40	11.50	11.81	12.49	12.16
298.5236	12.40	11.53	11.82	12.44	12.12
298.6117	12.40	11.54	11.81	12.43	12.13
298.6998	12.39	11.53	11.81	12.47	12.17
298.7879	12.39	11.52	11.81	12.49	12.20
298.8759	12.39	11.51	11.78	12.45	12.19
298.9640	12.40	11.51	11.75	12.38	12.18
299.0521	12.39	11.52	11.73	12.32	12.20
299.1402	12.38	11.52	11.73	12.34	12.23
299.2283	12.36	11.49	11.73	12.38	12.26
299.3164	12.38	11.49	11.71	12.38	12.25
299.4045	12.41	11.51	11.71	12.33	12.24
299.4925	12.41	11.49	11.72	12.31	12.22

299.5806	12.39	11.48	11.72	12.36	12.23
299.6687	12.39	11.48	11.74	12.44	12.24
299.7568	12.40	11.49	11.76	12.47	12.20
299.8449	12.42	11.52	11.76	12.45	12.14
299.9330	12.41	11.52	11.75	12.43	12.11
300.0211	12.40	11.52	11.76	12.47	12.14
300.1092	12.38	11.51	11.77	12.51	12.19

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_7\Relazione\L7_B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 7 - Portata massima 200 l/s
 Filename = L7_B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_7\Relazione\L7_B.lis
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 RESULTS 4:- Boundary Condition Performance
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AIRV at Node 2: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 13: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 103: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 104: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 105: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 106: Air Valve Performance Data
===-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)

```
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 107: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

 PUMP at Node 501: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 502: Pump Performance Data
 ===================================-
 Not available for other pump options

 PUMP at Node 503: Pump Performance Data
 ===================================-
 Not available for other pump options
```

All.4 Verifiche in moto vario

8. Comizio irriguo n.8

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_8\Relazione\L8_G.doc
HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: LINEA 8 - Portata massima 200 l/s
Filename = L8_G.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_8\Relazione\L8_G.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	89.71	9.49	94.71	14.49
1	2	89.55	9.36	94.60	14.41
1	3	89.40	9.27	94.50	14.37
1	4	89.24	9.17	94.39	14.32
1	5	89.07	9.06	94.27	14.26
2	1	89.07	9.06	94.27	14.26
2	2	88.90	8.90	94.15	14.16
2	3	88.75	8.76	94.05	14.07
2	4	88.59	8.52	93.94	13.88
2	5	88.41	8.31	93.82	13.72
2	6	88.25	8.18	93.71	13.63
2	7	88.10	8.10	93.60	13.60
2	8	87.94	7.98	93.50	13.54
2	9	87.77	7.80	93.38	13.41
3	1	87.77	7.80	93.38	13.41
3	2	87.61	7.61	93.27	13.27
3	3	87.45	7.51	93.16	13.22
3	4	87.29	7.47	93.05	13.23
3	5	87.13	7.51	92.94	13.32
3	6	86.97	7.56	92.83	13.42
3	7	86.80	7.48	92.71	13.39
3	8	86.64	7.44	92.60	13.40
3	9	86.47	7.42	92.48	13.43
4	1	86.47	7.42	92.48	13.43
4	2	86.20	7.40	92.26	13.46
4	3	85.93	7.41	92.05	13.52
4	4	85.67	7.34	91.83	13.50
4	5	85.39	7.35	91.61	13.56
4	6	85.13	7.42	91.40	13.69
4	7	84.87	7.46	91.18	13.77
4	8	84.59	7.44	90.96	13.81
5	1	84.63	7.54	90.96	13.87
5	2	84.44	7.72	90.72	14.00
5	3	84.26	7.85	90.49	14.08
5	4	84.07	7.92	90.25	14.10
5	5	83.88	7.97	90.01	14.10
5	6	83.70	8.01	89.78	14.09
5	7	83.53	8.06	89.56	14.09
5	8	83.34	8.14	89.32	14.12
5	9	83.16	8.27	89.09	14.20
6	1	83.16	8.27	89.09	14.20
6	2	83.13	8.36	89.01	14.24
6	3	83.09	8.39	88.92	14.22

6	4	83.04	8.45	88.82	14.23
6	5	83.00	8.46	88.73	14.19
6	6	82.96	8.49	88.64	14.17
6	7	82.92	8.45	88.55	14.08
6	8	82.87	8.47	88.45	14.05
6	9	82.83	8.52	88.36	14.05
7	1	82.74	8.59	88.18	14.03
7	2	82.59	8.55	88.08	14.04
7	3	82.44	8.47	87.98	14.01
7	4	82.30	8.42	87.89	14.01
7	5	82.16	8.35	87.80	13.99
7	6	82.01	8.29	87.70	13.98
7	7	81.87	8.23	87.61	13.97
8	1	81.87	8.23	87.61	13.97
8	2	81.72	8.19	87.51	13.98
8	3	81.58	8.16	87.42	14.00
8	4	81.43	8.12	87.32	14.01
8	5	81.28	8.13	87.22	14.07
8	6	81.14	8.14	87.13	14.13
8	7	80.99	8.10	87.03	14.14
8	8	80.84	7.90	86.93	13.99
8	9	80.69	7.78	86.83	13.92
9	1	80.34	7.63	86.60	13.89
9	2	80.39	7.62	86.60	13.83
9	3	80.33	7.65	86.50	13.82
9	4	80.27	7.64	86.39	13.76
9	5	80.21	7.72	86.29	13.79
9	6	80.15	7.77	86.18	13.79
9	7	80.09	7.87	86.07	13.85
10	1	84.31	3.18	94.71	13.58
10	2	84.31	3.20	94.71	13.60
11	1	89.18	9.26	94.33	14.41
11	2	89.10	9.21	94.30	14.41
11	3	89.03	9.09	94.28	14.33
11	4	88.96	8.97	94.25	14.27
11	5	88.89	8.89	94.23	14.23
11	6	88.82	8.82	94.21	14.21
11	7	88.75	8.75	94.18	14.18
11	8	88.67	8.61	94.15	14.09
11	9	88.60	8.48	94.13	14.01
12	1	11.86	-4.55	19.16	2.75
12	2	19.30	-8.51	27.65	-0.16
13	1	11.86	-4.55	19.16	2.75
13	2	17.93	-10.13	26.28	-1.78
14	1	11.86	-4.55	19.16	2.75
14	2	17.56	-10.13	25.91	-1.78
15	1	86.81	3.11	95.16	11.46
15	2	84.31	3.18	94.71	13.58
16	1	86.78	0.20	95.13	8.55
16	2	84.31	3.20	94.71	13.60
17	1	86.68	2.49	95.03	10.84
17	2	84.30	3.46	94.70	13.86
18	1	82.44	6.65	88.98	13.19
18	2	82.50	6.71	88.98	13.20
18	3	82.45	6.71	88.88	13.14
18	4	82.40	6.70	88.77	13.07
18	5	82.34	6.81	88.66	13.13
18	6	82.28	6.77	88.54	13.03
18	7	82.22	6.81	88.43	13.01
18	8	82.17	6.86	88.32	13.01
19	1	82.17	6.86	88.32	13.01

19	2	82.11	6.90	88.20	12.99
19	3	82.04	7.13	88.08	13.16
19	4	81.97	7.23	87.96	13.21
19	5	81.92	7.27	87.84	13.19
19	6	81.86	7.33	87.73	13.20
19	7	81.79	7.47	87.60	13.29
19	8	81.72	7.67	87.47	13.43
19	9	81.64	7.66	87.34	13.36
20	1	83.30	5.99	89.95	12.64
20	2	83.20	6.15	89.80	12.75
20	3	83.09	6.20	89.64	12.75
20	4	82.98	6.15	89.48	12.65
20	5	82.86	6.24	89.31	12.69
20	6	82.75	6.42	89.15	12.82
20	7	82.65	6.63	89.00	12.98
20	8	82.54	6.54	88.84	12.84
20	9	82.44	6.58	88.69	12.83
21	1	82.51	6.47	88.99	12.95
21	2	82.44	6.65	88.98	13.19
22	1	85.98	8.06	91.38	13.46
22	2	85.82	7.94	91.27	13.39
22	3	85.68	8.02	91.17	13.51
22	4	85.53	8.02	91.07	13.56
22	5	85.38	7.77	90.97	13.36
22	6	85.23	7.65	90.86	13.28
22	7	85.09	7.57	90.77	13.25
23	1	82.44	6.58	88.69	12.83
23	2	82.33	6.65	88.53	12.85
23	3	82.21	6.83	88.36	12.98
23	4	82.09	7.01	88.19	13.11
23	5	81.98	7.12	88.03	13.17
23	6	81.86	7.15	87.86	13.15
23	7	81.74	7.28	87.69	13.23
23	8	81.62	7.50	87.52	13.40
23	9	81.48	7.58	87.33	13.43
24	1	81.48	7.58	87.33	13.43
24	2	81.56	7.55	87.34	13.32
24	3	81.64	7.66	87.34	13.36
25	1	86.67	7.25	92.85	13.43
25	2	86.62	7.15	92.87	13.40
26	1	84.56	6.09	90.97	12.50
26	2	84.35	5.87	90.81	12.34
26	3	84.12	5.83	90.64	12.34
26	4	83.89	5.91	90.46	12.48
26	5	83.67	5.97	90.30	12.59
26	6	83.45	5.79	90.13	12.46
26	7	83.23	5.83	89.96	12.56
29	1	88.26	8.15	93.62	13.51
29	2	88.19	8.04	93.60	13.45
29	3	88.11	8.08	93.57	13.54
29	4	88.04	8.14	93.55	13.65
29	5	87.96	8.05	93.52	13.61
29	6	87.89	7.96	93.50	13.57
30	1	84.31	3.20	94.71	13.60
30	2	84.30	3.46	94.70	13.86
31	1	87.77	7.60	93.88	13.71
31	2	87.83	7.59	93.88	13.65
31	3	87.85	7.60	93.86	13.60
31	4	87.90	7.76	93.85	13.71
31	5	87.94	7.88	93.84	13.78
32	1	84.59	7.44	90.96	13.81

32	2	84.63	7.54	90.96	13.87
33	1	82.83	8.52	88.36	14.05
33	2	82.78	8.54	88.27	14.03
33	3	82.74	8.59	88.18	14.03
36	1	79.42	8.46	85.02	14.06
36	2	79.47	8.62	84.98	14.13
36	3	79.52	8.85	84.95	14.28
37	1	80.09	7.87	86.07	13.85
37	2	80.12	7.89	86.05	13.82
37	3	80.14	7.88	86.02	13.76
37	4	80.16	7.91	85.99	13.74
37	5	80.19	8.03	85.97	13.81
37	6	80.22	8.12	85.95	13.85
37	7	80.25	8.12	85.93	13.80
37	8	80.27	8.16	85.90	13.79
37	9	80.29	8.24	85.87	13.82
38	1	80.29	8.24	85.87	13.82
38	2	80.32	8.36	85.85	13.89
38	3	80.35	8.45	85.83	13.93
38	4	80.38	8.53	85.81	13.95
38	5	80.41	8.60	85.78	13.97
38	6	80.44	8.65	85.76	13.97
38	7	80.47	8.69	85.74	13.96
39	1	80.32	8.55	85.69	13.92
39	2	80.25	8.44	85.67	13.86
39	3	80.18	8.33	85.65	13.80
39	4	80.10	8.30	85.62	13.82
39	5	80.03	8.29	85.60	13.86
39	6	79.96	8.18	85.58	13.80
39	7	79.88	8.08	85.55	13.75
39	8	79.81	7.98	85.53	13.70
39	9	79.74	8.01	85.51	13.78
40	1	84.30	3.46	94.70	13.86
40	2	84.31	3.82	94.71	14.22
41	1	80.69	7.78	86.83	13.92
41	2	80.52	7.68	86.72	13.88
41	3	80.34	7.63	86.60	13.89
42	1	80.47	8.69	85.74	13.96
42	2	80.40	8.64	85.72	13.96
42	3	80.32	8.55	85.69	13.92
43	1	79.74	8.01	85.51	13.78
43	2	79.66	7.93	85.48	13.75
43	3	79.59	7.85	85.46	13.72
43	4	79.51	7.81	85.43	13.73
43	5	79.44	7.81	85.41	13.78
43	6	79.36	7.74	85.38	13.76
43	7	79.29	7.65	85.36	13.72
43	8	79.21	7.63	85.33	13.75
43	9	79.13	7.64	85.30	13.81
44	1	79.11	7.58	85.31	13.78
44	2	79.15	7.66	85.31	13.82
44	3	79.18	7.70	85.28	13.81
44	4	79.21	7.65	85.27	13.71
44	5	79.24	7.67	85.25	13.69
44	6	79.26	7.68	85.23	13.65
44	7	79.28	7.80	85.20	13.73
44	8	79.31	7.93	85.19	13.80
44	9	79.34	7.92	85.17	13.75
45	1	79.34	7.92	85.17	13.75
45	2	79.36	7.96	85.14	13.74
45	3	79.38	8.04	85.11	13.77

45	4	79.40	8.20	85.08	13.88
45	5	79.42	8.38	85.05	14.01
45	6	79.44	8.52	85.02	14.10
45	7	79.46	8.62	84.99	14.15
45	8	79.50	8.73	84.98	14.21
45	9	79.52	8.85	84.95	14.28
46	1	83.42	7.62	89.37	13.57
46	2	83.38	7.66	89.28	13.56
46	3	83.33	7.78	89.18	13.63
46	4	83.30	7.92	89.10	13.72
46	5	83.27	7.97	89.02	13.72
46	6	83.22	7.99	88.92	13.69
46	7	83.18	7.88	88.83	13.53
46	8	83.14	7.78	88.74	13.38
46	9	83.11	7.77	88.66	13.32
47	1	83.11	7.77	88.66	13.32
47	2	83.06	7.83	88.56	13.33
47	3	83.02	7.90	88.47	13.35
47	4	82.98	7.96	88.38	13.36
47	5	82.94	8.15	88.29	13.50
47	6	82.90	8.24	88.20	13.54
47	7	82.86	8.31	88.11	13.56
48	1	82.58	8.42	87.93	13.77
48	2	82.44	8.38	87.84	13.78
48	3	82.30	8.33	87.75	13.78
48	4	82.16	8.26	87.66	13.76
48	5	82.02	8.21	87.57	13.76
48	6	81.88	8.05	87.48	13.65
48	7	81.73	7.88	87.38	13.53
48	8	81.58	7.78	87.28	13.48
48	9	81.44	7.71	87.19	13.46
49	1	81.44	7.71	87.19	13.46
49	2	81.30	7.65	87.10	13.45
49	3	81.15	7.51	87.00	13.36
49	4	81.01	7.48	86.91	13.38
49	5	80.87	7.43	86.82	13.38
49	6	80.73	7.44	86.73	13.44
49	7	80.59	7.33	86.64	13.38
49	8	80.45	7.17	86.55	13.27
49	9	80.31	7.00	86.46	13.15
50	1	79.64	7.00	86.02	13.38
50	2	79.72	7.12	86.02	13.43
50	3	79.70	7.22	85.93	13.45
50	4	79.68	7.31	85.83	13.46
53	1	79.68	7.31	85.83	13.46
53	2	79.65	7.44	85.73	13.52
53	3	79.62	7.69	85.64	13.70
53	4	79.59	7.85	85.53	13.80
53	5	79.56	7.92	85.43	13.80
53	6	79.52	8.04	85.33	13.85
53	7	79.49	8.14	85.23	13.88
53	8	79.46	8.30	85.13	13.97
53	9	79.42	8.46	85.02	14.06
54	1	79.13	7.64	85.30	13.81
54	2	79.11	7.58	85.31	13.78
55	1	79.15	8.61	84.34	13.80
55	2	78.96	8.46	84.20	13.70
55	3	78.77	8.20	84.06	13.49
55	4	78.58	7.81	83.93	13.16
56	1	87.20	7.36	93.35	13.51
56	2	87.08	7.21	93.27	13.41

56	3	86.96	7.14	93.20	13.38
56	4	86.83	7.09	93.12	13.38
56	5	86.71	7.13	93.04	13.46
57	1	86.36	8.12	92.07	13.83
57	2	86.32	8.15	91.98	13.80
57	3	86.29	8.20	91.89	13.80
57	4	86.25	8.42	91.79	13.96
58	1	83.72	7.29	90.18	13.75
58	2	83.79	7.40	90.19	13.80
58	3	83.75	7.45	90.09	13.79
60	1	82.86	8.31	88.11	13.56
60	2	82.72	8.28	88.02	13.58
60	3	82.58	8.42	87.93	13.77
61	1	80.31	7.00	86.46	13.15
61	2	80.17	6.99	86.37	13.18
61	3	80.05	6.94	86.29	13.19
61	4	79.91	6.96	86.20	13.25
61	5	79.77	6.99	86.11	13.33
61	6	79.64	7.00	86.02	13.38
84	1	79.52	8.85	84.95	14.28
84	2	79.44	8.84	84.83	14.23
84	3	79.37	8.74	84.71	14.07
84	4	79.30	8.64	84.58	13.92
84	5	79.22	8.64	84.46	13.88
84	6	79.15	8.61	84.34	13.80
85	1	78.58	7.81	83.93	13.16
85	2	78.40	7.61	83.80	13.01
85	3	78.23	7.49	83.68	12.94
85	4	78.06	7.32	83.56	12.81
85	5	77.89	7.10	83.44	12.65
85	6	77.72	6.98	83.31	12.57
85	7	77.55	6.94	83.19	12.58
85	8	77.40	6.94	83.09	12.63
85	9	77.26	6.93	82.99	12.66
85	10	77.11	6.89	82.89	12.67
85	11	76.96	6.84	82.79	12.67
86	1	76.96	6.84	82.79	12.67
86	2	76.81	6.84	82.68	12.72
86	3	76.66	6.84	82.58	12.77
86	4	76.51	6.83	82.48	12.81
86	5	76.36	6.70	82.39	12.72
86	6	76.22	6.65	82.29	12.72
86	7	76.07	6.65	82.19	12.77
86	8	75.92	6.51	82.09	12.68
86	9	75.78	6.36	81.99	12.57
86	10	75.63	6.26	81.89	12.52
86	11	75.48	6.25	81.79	12.56
87	1	75.48	6.25	81.79	12.56
87	2	75.32	6.19	81.68	12.55
87	3	75.16	6.14	81.57	12.55
87	4	75.00	6.08	81.46	12.54
87	5	74.84	5.87	81.35	12.38
87	6	74.69	5.78	81.24	12.33
87	7	74.53	5.76	81.13	12.36
87	8	74.37	5.61	81.02	12.26
87	9	74.21	5.51	80.91	12.21
87	10	74.05	5.46	80.80	12.21
101	1	89.71	9.49	94.71	14.49
101	2	89.59	9.33	94.63	14.38
101	3	89.45	9.22	94.55	14.32
101	4	89.33	9.22	94.47	14.37

101	5	89.20	9.15	94.39	14.34
101	6	89.07	9.08	94.31	14.32
101	7	88.94	8.90	94.23	14.18
101	8	88.81	8.80	94.15	14.14
101	9	88.69	8.72	94.07	14.10
102	1	88.69	8.72	94.07	14.10
102	2	88.55	8.69	93.98	14.12
102	3	88.42	8.67	93.90	14.15
102	4	88.31	8.60	93.84	14.13
102	5	88.18	8.40	93.76	13.98
102	6	88.06	8.27	93.69	13.90
102	7	87.94	8.15	93.62	13.83
102	8	87.82	8.08	93.55	13.81
102	9	87.69	8.01	93.47	13.79
103	1	87.69	8.01	93.47	13.79
103	2	87.57	7.82	93.40	13.65
103	3	87.45	7.67	93.33	13.55
103	4	87.32	7.51	93.25	13.44
103	5	87.19	7.48	93.17	13.46
103	6	87.06	7.42	93.09	13.45
103	7	86.93	7.39	93.01	13.47
103	8	86.81	7.30	92.94	13.43
103	9	86.67	7.25	92.85	13.43
104	1	86.62	7.15	92.87	13.40
104	2	86.67	7.25	92.87	13.45
104	3	86.64	7.32	92.80	13.48
104	4	86.61	7.37	92.72	13.48
104	5	86.59	7.41	92.65	13.47
104	6	86.56	7.46	92.58	13.48
104	7	86.54	7.53	92.50	13.50
104	8	86.50	7.60	92.42	13.52
105	1	86.50	7.60	92.42	13.52
105	2	86.46	7.67	92.33	13.54
105	3	86.42	7.70	92.24	13.52
105	4	86.38	7.75	92.15	13.52
105	5	86.32	7.77	92.04	13.49
105	6	86.27	7.88	91.94	13.55
105	7	86.23	8.01	91.85	13.63
105	8	86.19	8.14	91.76	13.71
105	9	86.13	8.16	91.65	13.68
106	1	86.13	8.16	91.65	13.68
106	2	86.05	8.03	91.51	13.49
106	3	85.98	8.06	91.38	13.46
107	1	85.09	7.57	90.77	13.25
107	2	84.92	7.50	90.65	13.23
107	3	84.75	7.53	90.53	13.31
107	4	84.60	7.28	90.43	13.11
107	5	84.45	6.91	90.33	12.79
107	6	84.28	6.64	90.21	12.57
107	7	84.11	6.74	90.09	12.72
107	8	83.95	6.86	89.98	12.89
107	9	83.79	6.80	89.87	12.88
108	1	83.79	6.80	89.87	12.88
108	2	83.62	6.60	89.75	12.73
108	3	83.47	6.46	89.65	12.64
108	4	83.32	6.66	89.55	12.89
108	5	83.15	6.73	89.43	13.01
108	6	82.99	6.62	89.32	12.95
108	7	82.83	6.46	89.21	12.84
108	8	82.66	6.37	89.09	12.80
108	9	82.51	6.47	88.99	12.95

200	1	89.18	9.26	94.33	14.41
200	2	89.09	9.16	94.28	14.35
200	3	89.01	9.11	94.24	14.34
200	4	88.92	8.94	94.19	14.21
200	5	88.84	8.87	94.15	14.18
200	6	88.75	8.76	94.10	14.11
201	1	88.75	8.76	94.10	14.11
201	2	88.65	8.66	94.05	14.06
201	3	88.55	8.57	94.00	14.02
201	4	88.45	8.48	93.95	13.98
201	5	88.36	8.37	93.91	13.92
201	6	88.26	8.24	93.86	13.84
201	7	88.17	8.15	93.82	13.80
201	8	88.07	8.03	93.77	13.73
201	9	87.98	7.95	93.73	13.70
202	1	87.98	7.95	93.73	13.70
202	2	87.88	7.81	93.68	13.61
202	3	87.78	7.72	93.63	13.57
202	4	87.68	7.62	93.58	13.52
202	5	87.59	7.57	93.54	13.52
202	6	87.50	7.53	93.50	13.53
202	7	87.39	7.54	93.44	13.59
202	8	87.30	7.47	93.40	13.57
202	9	87.20	7.36	93.35	13.51
203	1	86.71	7.13	93.04	13.46
203	2	86.77	7.25	93.05	13.52
203	3	86.73	7.31	92.95	13.53
203	4	86.69	7.37	92.86	13.53
203	5	86.65	7.42	92.76	13.53
204	1	86.65	7.42	92.76	13.53
204	2	86.60	7.46	92.66	13.52
204	3	86.57	7.58	92.58	13.59
204	4	86.53	7.74	92.49	13.70
204	5	86.50	7.91	92.41	13.82
204	6	86.47	8.05	92.33	13.91
204	7	86.43	8.06	92.24	13.87
204	8	86.39	8.12	92.15	13.88
204	9	86.36	8.12	92.07	13.83
205	1	86.25	8.42	91.79	13.96
205	2	86.12	8.45	91.71	14.04
205	3	85.99	8.36	91.63	14.00
205	4	85.86	8.35	91.55	14.04
205	5	85.73	8.18	91.46	13.91
205	6	85.60	8.05	91.38	13.83
206	1	85.60	8.05	91.38	13.83
206	2	85.47	7.88	91.30	13.71
206	3	85.32	7.81	91.20	13.69
206	4	85.18	7.83	91.11	13.76
206	5	85.05	7.89	91.03	13.87
206	6	84.91	7.92	90.94	13.95
206	7	84.78	7.93	90.86	14.01
206	8	84.64	7.86	90.77	13.99
206	9	84.50	7.78	90.68	13.96
207	1	84.50	7.78	90.68	13.96
207	2	84.37	7.67	90.60	13.90
207	3	84.24	7.64	90.51	13.92
207	4	84.11	7.53	90.43	13.85
207	5	83.98	7.42	90.35	13.79
207	6	83.85	7.36	90.26	13.77
207	7	83.72	7.29	90.18	13.75
208	1	83.75	7.45	90.09	13.79

208	2	83.70	7.49	90.00	13.78
208	3	83.66	7.47	89.90	13.72
208	4	83.62	7.52	89.82	13.72
208	5	83.58	7.56	89.73	13.70
208	6	83.54	7.57	89.64	13.67
208	7	83.50	7.55	89.54	13.60
208	8	83.46	7.57	89.46	13.57
208	9	83.42	7.62	89.37	13.57
301	1	88.60	8.48	94.13	14.01
301	2	88.52	8.43	94.10	14.01
301	3	88.45	8.45	94.08	14.08
301	4	88.37	8.49	94.05	14.17
301	5	88.30	8.50	94.03	14.23
301	6	88.22	8.38	94.00	14.16
301	7	88.15	8.29	93.98	14.12
301	8	88.07	8.14	93.95	14.02
301	9	88.02	7.99	93.95	13.92
302	1	88.02	7.99	93.95	13.92
302	2	87.95	7.94	93.93	13.92
302	3	87.88	7.86	93.90	13.88
302	4	87.82	7.74	93.88	13.80
302	5	87.77	7.60	93.88	13.71
304	1	87.94	7.88	93.84	13.78
304	2	87.97	7.90	93.82	13.75
304	3	87.99	7.90	93.79	13.70
304	4	88.04	7.94	93.79	13.69
304	5	88.08	7.99	93.78	13.69
304	6	88.10	8.04	93.75	13.69
304	7	88.13	8.10	93.73	13.70
304	8	88.16	8.12	93.71	13.67
304	9	88.19	8.16	93.69	13.66
305	1	88.19	8.16	93.69	13.66
305	2	88.21	8.23	93.67	13.68
305	3	88.24	8.21	93.65	13.61
305	4	88.26	8.15	93.62	13.51
306	1	87.89	7.96	93.50	13.57
306	2	87.69	7.81	93.35	13.47
306	3	87.49	7.73	93.20	13.44
306	4	87.29	7.58	93.05	13.34
306	5	87.09	7.39	92.90	13.20
306	6	86.88	7.23	92.74	13.09
306	7	86.67	7.29	92.58	13.20
306	8	86.46	7.22	92.42	13.18
306	9	86.24	7.10	92.25	13.11
307	1	86.24	7.10	92.25	13.11
307	2	86.04	6.98	92.10	13.04
307	3	85.83	6.95	91.94	13.06
307	4	85.62	6.79	91.78	12.95
307	5	85.42	6.53	91.63	12.74
307	6	85.21	6.41	91.47	12.67
307	7	84.99	6.36	91.30	12.67
307	8	84.77	6.32	91.13	12.68
307	9	84.56	6.09	90.97	12.50
308	1	83.23	5.83	89.96	12.56
308	2	83.30	5.99	89.95	12.64
1000	1	87.62	7.25	94.72	14.35
1000	2	89.71	9.49	94.71	14.49
1001	1	84.31	3.82	94.71	14.22
1001	2	87.62	7.25	94.72	14.35
2000	1	89.71	9.49	94.71	14.49
2000	2	89.45	9.45	94.52	14.52

2000	3	89.18	9.26	94.33	14.41
2001	1	86.86	1.53	95.21	9.88
2001	2	86.68	2.49	95.03	10.84
2002	1	86.96	-2.03	95.31	6.32
2002	2	86.78	0.20	95.13	8.55
2003	1	86.99	2.60	95.34	10.95
2003	2	86.81	3.11	95.16	11.46
2004	1	80.09	7.87	86.07	13.85
2004	2	80.09	7.77	86.07	13.75
2005	1	80.05	7.77	86.03	13.75
2005	2	80.06	7.74	86.04	13.72
2006	1	80.02	7.74	86.00	13.72
2006	2	78.37	5.97	86.00	13.60
2007	1	83.16	8.27	89.09	14.20
2007	2	83.17	8.05	89.10	13.98
2008	1	83.13	8.05	89.06	13.98
2008	2	83.13	7.76	89.06	13.69
2009	1	83.09	7.76	89.02	13.69
2009	2	81.02	5.60	89.02	13.60
2010	1	86.13	8.16	91.65	13.68
2010	2	86.12	8.03	91.64	13.55
2011	1	86.08	8.03	91.60	13.55
2011	2	86.10	7.89	91.62	13.41
2012	1	86.06	7.89	91.58	13.41
2012	2	83.72	5.35	91.58	13.21
2013	1	81.64	7.66	87.34	13.36
2013	2	81.64	7.64	87.34	13.34
2014	1	81.60	7.64	87.30	13.34
2014	2	81.62	7.59	87.32	13.29
2015	1	81.58	7.59	87.28	13.29
2015	2	79.41	5.29	87.28	13.16
2016	1	81.48	7.58	87.33	13.43
2016	2	81.49	7.49	87.34	13.34
2017	1	81.45	7.49	87.30	13.34
2017	2	81.45	7.45	87.30	13.30
2018	1	81.41	7.45	87.26	13.30
2018	2	79.64	5.52	87.27	13.15
2019	1	79.52	8.85	84.95	14.28
2019	2	79.52	8.73	84.95	14.16
2020	1	79.48	8.73	84.91	14.16
2020	2	79.48	8.61	84.91	14.04
2021	1	79.42	8.46	85.02	14.06
2021	2	79.42	8.30	85.02	13.90
2022	1	79.38	8.30	84.98	13.90
2022	2	79.38	8.21	84.98	13.81
2023	1	79.44	8.61	84.87	14.04
2023	2	77.19	6.24	84.87	13.92
2024	1	79.34	8.21	84.94	13.81
2024	2	77.02	5.84	84.95	13.77
2025	1	74.01	5.46	80.76	12.21
2025	2	74.03	5.34	80.78	12.09
2026	1	73.99	5.34	80.74	12.09
2026	2	72.53	3.84	80.73	12.04
2027	1	0.00	-0.43	7.30	6.87
2027	2	11.86	-4.55	19.16	2.75

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_8\Relazione\L8_G.doc
Date Created: Saturday, January 23, 2021 - Time: 11 : 55 AM
Consorzio di Bonifica della Pianura Ferrarese
Sistema Irriguo Valle Pega
LINEA 8 - Portata massima 200 l/s

```
    5    1
 2000    2   50
   24    2   50
   36    2   50
    1    2   20
  200    2   20
   100.00   -10.00
 300.0000     0.0946
```

Time	Pipe 2000@ 50%	Pipe 24@ 50%	Pipe 36@ 50%	Pipe 1@ 20%	Pipe 200@ 20%
0.0000	87.36	80.57	79.11	87.45	87.05
0.0946	87.39	80.55	79.11	87.49	87.05
0.1891	87.46	80.50	79.09	87.58	87.05
0.2837	87.59	80.48	79.09	87.73	87.10
0.3782	87.74	80.44	79.09	87.92	87.20
0.4728	87.69	80.39	79.08	87.89	87.33
0.5673	87.70	80.33	79.08	87.83	87.35
0.6619	87.85	80.29	79.08	87.98	87.37
0.7564	88.00	80.24	79.07	88.17	87.46
0.8510	87.98	80.32	79.07	88.18	87.59
0.9455	88.01	80.20	79.06	88.16	87.63
1.0401	88.10	80.19	79.05	88.27	87.65
1.1346	88.21	80.18	79.04	88.39	87.73
1.2292	88.17	80.15	79.04	88.36	87.76
1.3237	88.12	80.08	79.04	88.24	87.79
1.4183	88.22	80.04	79.03	88.36	87.80
1.5128	88.34	80.00	79.02	88.51	87.86
1.6074	88.32	79.96	79.02	88.50	87.96
1.7019	88.35	79.91	79.01	88.48	87.98
1.7965	88.43	79.87	79.01	88.56	88.01
1.8910	88.49	79.82	78.99	88.65	88.07
1.9856	88.48	79.79	78.98	88.63	88.13
2.0802	88.52	79.74	78.96	88.63	88.16
2.1747	88.63	79.71	78.94	88.75	88.20
2.2693	88.70	79.67	78.92	88.83	88.28
2.3638	88.68	79.65	78.90	88.81	88.36
2.4584	88.72	79.60	78.87	88.82	88.37
2.5529	88.78	79.58	78.84	88.90	88.40
2.6475	88.83	79.54	78.81	88.93	88.46
2.7420	88.84	79.54	78.77	88.94	88.52
2.8366	88.90	79.49	78.75	88.99	88.47
2.9311	88.89	79.46	78.72	89.00	88.52
3.0257	88.88	79.46	78.69	89.03	88.52
3.1202	88.90	79.44	78.66	88.99	88.56
3.2148	88.89	79.44	78.63	88.98	88.58
3.3093	88.93	79.40	78.60	89.02	88.58
3.4039	88.94	79.38	78.56	89.03	88.60
3.4984	88.93	79.36	78.53	89.01	88.63
3.5930	88.99	79.33	78.50	89.05	88.63
3.6875	89.00	79.29	78.47	89.08	88.66
3.7821	89.01	79.26	78.45	89.11	88.69
3.8766	89.02	79.25	78.42	89.14	88.70
3.9712	89.07	79.29	78.38	89.18	88.70
4.0658	89.09	79.38	78.34	89.17	88.73
4.1603	89.08	79.52	78.30	89.16	88.76
4.2549	89.09	79.53	78.25	89.18	88.78

4.3494	89.12	79.58	78.24	89.24	88.77
4.4440	89.16	79.81	78.19	89.26	88.78
4.5385	89.16	79.96	78.15	89.26	88.83
4.6331	89.15	79.93	78.12	89.25	88.85
4.7276	89.18	80.00	78.09	89.26	88.84
4.8222	89.18	80.22	78.06	89.26	88.84
4.9167	89.22	80.31	78.01	89.29	88.88
5.0113	89.22	80.26	77.99	89.32	88.84
5.1058	89.16	80.33	77.97	89.32	88.84
5.2004	89.20	80.46	77.95	89.29	88.83
5.2949	89.20	80.56	77.92	89.30	88.86
5.3895	89.21	80.55	77.89	89.32	88.87
5.4840	89.23	80.60	77.86	89.33	88.88
5.5786	89.22	80.75	77.84	89.32	88.88
5.6731	89.21	80.81	77.82	89.31	88.89
5.7677	89.24	80.79	77.87	89.34	88.88
5.8622	89.25	80.85	77.96	89.37	88.89
5.9568	89.25	80.98	78.03	89.35	88.91
6.0513	89.25	81.02	78.04	89.33	88.92
6.1459	89.25	81.00	78.09	89.34	88.91
6.2405	89.25	81.07	78.23	89.37	88.90
6.3350	89.26	81.18	78.29	89.37	88.91
6.4296	89.26	81.20	78.27	89.34	88.93
6.5241	89.26	81.21	78.32	89.33	88.93
6.6187	89.26	81.24	78.42	89.36	88.91
6.7132	89.25	81.32	78.47	89.36	88.91
6.8078	89.25	81.33	78.43	89.34	88.92
6.9023	89.25	81.33	78.42	89.34	88.91
6.9969	89.26	81.37	78.52	89.36	88.92
7.0914	89.24	81.39	78.54	89.35	88.92
7.1860	89.26	81.40	78.52	89.34	88.92
7.2805	89.25	81.40	78.53	89.36	88.91
7.3751	89.26	81.43	78.60	89.37	88.91
7.4696	89.26	81.43	78.62	89.35	88.91
7.5642	89.25	81.43	78.61	89.34	88.90
7.6587	89.25	81.48	78.64	89.35	88.89
7.7533	89.24	81.52	78.71	89.34	88.89
7.8478	89.22	81.53	78.72	89.30	88.88
7.9424	89.22	81.52	78.71	89.30	88.87
8.0369	89.23	81.54	78.74	89.33	88.86
8.1315	89.23	81.56	78.79	89.34	88.87
8.2261	89.24	81.54	78.79	89.30	88.89
8.3206	89.24	81.56	78.80	89.31	88.90
8.4152	89.24	81.56	78.83	89.37	88.87
8.5097	89.27	81.55	78.85	89.39	88.86
8.6043	89.29	81.53	78.86	89.37	88.91
8.6988	89.29	81.54	78.83	89.38	88.93
8.7934	89.30	81.54	78.85	89.40	88.92
8.8879	89.29	81.48	78.86	89.41	88.92
8.9825	89.30	81.46	78.83	89.39	88.93
9.0770	89.29	81.50	78.84	89.39	88.93
9.1716	89.30	81.48	78.85	89.40	88.93
9.2661	89.29	81.46	78.87	89.40	88.93
9.3607	89.31	81.43	78.88	89.39	88.95
9.4552	89.30	81.44	78.87	89.40	88.95
9.5498	89.30	81.47	78.90	89.41	88.92
9.6443	89.31	81.45	78.93	89.41	88.92
9.7389	89.32	81.42	78.94	89.41	88.94
9.8334	89.30	81.45	78.95	89.42	88.94
9.9280	89.30	81.46	78.97	89.41	88.91
10.0225	89.29	81.44	78.99	89.40	88.92

10.1171	89.31	81.43	78.99	89.39	88.95
10.2117	89.30	81.45	79.01	89.40	88.93
10.3062	89.28	81.42	79.02	89.41	88.91
10.4008	89.29	81.42	79.04	89.39	88.92
10.4953	89.29	81.42	79.05	89.39	88.94
10.5899	89.30	81.41	79.05	89.40	88.93
10.6844	89.29	81.40	79.05	89.41	88.91
10.7790	89.29	81.40	79.05	89.38	88.93
10.8735	89.29	81.41	79.07	89.39	88.94
10.9681	89.30	81.38	79.06	89.40	88.92
11.0626	89.29	81.39	79.06	89.40	88.92
11.1572	89.28	81.40	79.07	89.39	88.92
11.2517	89.28	81.39	79.07	89.37	88.93
11.3463	89.27	81.40	79.08	89.36	88.94
11.4408	89.28	81.38	79.07	89.38	88.95
11.5354	89.30	81.39	79.07	89.40	88.94
11.6299	89.30	81.38	79.09	89.40	88.95
11.7245	89.31	81.35	79.09	89.41	89.00
11.8190	89.34	81.32	79.08	89.44	88.99
11.9136	89.35	81.31	79.09	89.47	88.96
12.0081	89.34	81.28	79.11	89.47	88.96
12.1027	89.35	81.25	79.09	89.48	89.01
12.1973	89.38	81.23	79.08	89.49	89.02
12.2918	89.38	81.22	79.09	89.50	89.00
12.3864	89.38	81.19	79.12	89.50	88.99
12.4809	89.37	81.17	79.10	89.50	89.03
12.5755	89.40	81.16	79.08	89.50	89.04
12.6700	89.38	81.14	79.09	89.50	89.01
12.7646	89.35	81.11	79.10	89.48	88.99
12.8591	89.37	81.10	79.10	89.49	89.02
12.9537	89.39	81.09	79.08	89.50	89.02
13.0482	89.37	81.08	79.09	89.48	89.01
13.1428	89.35	81.03	79.10	89.47	88.99
13.2373	89.35	81.03	79.09	89.47	89.01
13.3319	89.37	81.01	79.09	89.49	89.00
13.4264	89.35	81.00	79.09	89.48	88.99
13.5210	89.34	80.97	79.10	89.46	88.98
13.6155	89.36	80.94	79.10	89.47	89.00
13.7101	89.38	80.93	79.11	89.49	89.01
13.8046	89.36	80.91	79.14	89.48	89.00
13.8992	89.34	80.88	79.15	89.46	88.99
13.9937	89.35	80.86	79.14	89.46	89.00
14.0883	89.36	80.84	79.18	89.46	89.00
14.1829	89.35	80.82	79.22	89.47	89.01
14.2774	89.35	80.81	79.23	89.46	88.99
14.3720	89.34	80.79	79.23	89.44	89.00
14.4665	89.35	80.77	79.26	89.45	88.99
14.5611	89.35	80.76	79.28	89.45	88.98
14.6556	89.33	80.76	79.28	89.43	88.99
14.7502	89.33	80.74	79.28	89.43	88.98
14.8447	89.33	80.73	79.29	89.42	88.98
14.9393	89.32	80.72	79.31	89.43	88.99
15.0338	89.33	80.72	79.32	89.43	88.99
15.1284	89.33	80.71	79.32	89.44	88.99
15.2229	89.34	80.70	79.34	89.44	88.99
15.3175	89.34	80.70	79.34	89.45	89.00
15.4120	89.36	80.71	79.35	89.45	89.02
15.5066	89.37	80.73	79.35	89.46	89.03
15.6011	89.39	80.74	79.38	89.48	89.03
15.6957	89.38	80.75	79.38	89.49	89.04
15.7902	89.38	80.77	79.37	89.48	89.04

15.8848	89.39	80.82	79.39	89.49	89.06
15.9793	89.41	80.84	79.40	89.50	89.06
16.0739	89.40	80.83	79.41	89.51	89.06
16.1685	89.40	80.86	79.40	89.50	89.05
16.2630	89.40	80.89	79.41	89.50	89.05
16.3576	89.41	80.90	79.42	89.52	89.05
16.4521	89.40	80.89	79.42	89.52	89.05
16.5467	89.39	80.90	79.42	89.51	89.04
16.6412	89.40	80.93	79.43	89.51	89.03
16.7358	89.41	80.94	79.43	89.52	89.04
16.8303	89.40	80.92	79.44	89.51	89.06
16.9249	89.40	80.93	79.44	89.51	89.05
17.0194	89.40	80.96	79.43	89.50	89.04
17.1140	89.40	80.97	79.44	89.51	89.05
17.2085	89.40	80.96	79.45	89.51	89.06
17.3031	89.40	80.96	79.44	89.50	89.06
17.3976	89.40	80.99	79.43	89.50	89.05
17.4922	89.40	81.00	79.44	89.51	89.05
17.5867	89.40	80.99	79.45	89.51	89.06
17.6813	89.40	81.00	79.45	89.50	89.06
17.7758	89.40	81.02	79.45	89.50	89.05
17.8704	89.40	81.03	79.45	89.50	89.05
17.9649	89.39	81.03	79.47	89.49	89.05
18.0595	89.39	81.04	79.47	89.49	89.05
18.1540	89.39	81.05	79.46	89.49	89.04
18.2486	89.39	81.07	79.46	89.49	89.04
18.3432	89.38	81.06	79.45	89.48	89.04
18.4377	89.38	81.05	79.46	89.47	89.03
18.5323	89.38	81.07	79.45	89.49	89.03
18.6268	89.38	81.08	79.44	89.48	89.04
18.7214	89.38	81.07	79.44	89.47	89.04
18.8159	89.37	81.06	79.43	89.47	89.03
18.9105	89.38	81.08	79.43	89.48	89.02
19.0050	89.38	81.09	79.42	89.48	89.03
19.0996	89.37	81.10	79.40	89.47	89.03
19.1941	89.37	81.11	79.41	89.48	89.02
19.2887	89.37	81.12	79.41	89.48	89.01
19.3832	89.38	81.13	79.41	89.49	89.02
19.4778	89.39	81.15	79.40	89.49	89.04
19.5723	89.39	81.16	79.40	89.49	89.04
19.6669	89.39	81.17	79.40	89.50	89.04
19.7614	89.41	81.17	79.39	89.51	89.04
19.8560	89.41	81.18	79.39	89.52	89.06
19.9505	89.43	81.20	79.38	89.53	89.07
20.0451	89.43	81.20	79.39	89.54	89.07
20.1396	89.43	81.19	79.39	89.54	89.07
20.2342	89.45	81.20	79.37	89.55	89.08
20.3288	89.13	81.21	79.37	89.25	89.09
20.4233	87.73	81.21	79.37	87.73	88.90
20.5179	85.97	81.21	79.37	85.47	87.98
20.6124	83.99	81.21	79.36	83.15	86.57
20.7070	82.06	81.22	79.36	81.01	84.83
20.8015	80.56	81.22	79.36	79.43	82.97
20.8961	79.63	81.21	79.36	78.63	81.31
20.9906	78.65	81.23	79.35	77.93	80.08
21.0852	77.35	81.23	79.36	76.75	78.98
21.1797	75.73	81.23	79.36	75.06	77.75
21.2743	73.93	81.23	79.36	73.11	76.29
21.3688	72.13	81.25	79.35	71.18	74.64
21.4634	70.53	81.24	79.35	69.53	72.92
21.5579	69.15	81.24	79.35	68.20	71.26

21.6525	68.04	81.24	79.34	67.18	69.77
21.7470	66.99	81.26	79.33	66.28	68.51
21.8416	65.67	81.25	79.34	65.05	67.37
21.9361	64.15	81.24	79.33	63.45	66.13
22.0307	62.73	81.25	79.32	61.90	64.75
22.1252	61.36	81.26	79.31	60.47	63.37
22.2198	59.99	81.25	79.31	58.95	62.01
22.3144	59.52	81.24	79.31	58.38	60.63
22.4089	59.26	81.24	79.30	58.50	59.71
22.5035	58.03	81.25	79.29	57.62	59.09
22.5980	57.33	81.24	79.30	56.78	58.05
22.6926	57.27	81.24	79.29	56.95	57.19
22.7871	58.24	81.25	79.28	58.22	56.81
22.8817	58.94	81.24	79.28	59.37	57.27
22.9762	59.05	81.24	79.28	59.52	57.85
23.0708	58.43	81.24	79.27	58.70	58.12
23.1653	58.00	81.24	79.26	57.93	57.89
23.2599	57.21	81.23	79.26	57.09	57.61
23.3544	56.53	81.23	79.26	56.23	57.07
23.4490	55.93	81.23	79.25	55.58	56.46
23.5435	55.72	81.23	79.24	55.35	55.84
23.6381	55.31	81.23	79.24	55.10	55.46
23.7326	55.37	81.23	79.24	55.29	55.05
23.8272	55.68	81.24	79.23	55.95	54.88
23.9217	56.06	81.24	79.23	56.57	54.94
24.0163	55.94	81.24	79.22	56.42	55.18
24.1108	55.70	81.07	79.22	55.95	55.22
24.2054	55.17	79.96	79.22	55.29	55.11
24.3000	54.60	78.32	79.21	54.58	54.71
24.3945	53.89	76.32	79.21	54.06	54.19
24.4891	53.34	73.60	79.21	53.83	53.46
24.5836	52.81	70.72	79.21	53.56	52.81
24.6782	52.57	68.32	79.21	53.21	52.32
24.7727	52.39	65.97	79.21	52.72	52.16
24.8673	52.33	63.48	79.21	52.37	52.00
24.9618	52.06	61.09	79.22	52.19	51.88
25.0564	51.83	58.61	79.23	52.03	51.61
25.1509	51.29	55.85	79.23	51.66	51.40
25.2455	50.76	53.01	79.23	51.11	51.01
25.3400	50.14	50.27	79.24	50.46	50.50
25.4346	49.71	47.81	79.25	49.90	49.84
25.5291	49.32	45.58	79.25	49.57	49.29
25.6237	49.15	43.25	79.25	49.31	48.83
25.7182	48.68	40.83	79.26	48.87	48.58
25.8128	48.18	38.58	79.26	48.41	48.26
25.9073	47.72	36.22	78.94	48.00	47.86
26.0019	47.55	33.73	77.90	47.68	47.33
26.0964	47.24	32.14	76.47	47.20	46.95
26.1910	46.80	31.11	74.67	46.68	46.74
26.2856	46.11	29.18	72.47	46.07	46.54
26.3801	45.68	27.91	70.42	45.81	46.06
26.4747	45.64	27.89	68.75	45.87	45.63
26.5692	45.81	28.20	67.15	46.01	45.42
26.6638	45.85	28.65	65.53	45.93	45.45
26.7583	45.58	28.89	63.83	45.74	45.40
26.8529	45.28	28.92	61.94	45.48	45.15
26.9474	45.29	28.75	59.86	45.55	44.87
27.0420	45.52	28.18	57.70	45.73	44.91
27.1365	45.59	27.06	55.69	45.76	45.13
27.2311	45.27	26.17	53.99	45.32	45.27
27.3256	44.81	25.43	52.41	44.85	45.05

27.4202	44.54	24.66	50.73	44.63	44.63
27.5147	44.54	24.21	48.98	44.82	44.21
27.6093	44.55	24.49	47.28	44.92	44.05
27.7038	44.39	24.80	45.47	44.71	44.03
27.7984	44.05	24.99	43.79	44.23	43.95
27.8929	43.86	25.08	42.70	44.05	43.79
27.9875	44.03	24.97	41.84	44.24	43.71
28.0820	44.36	24.51	40.66	44.50	43.70
28.1766	44.39	24.14	40.07	44.56	43.87
28.2712	43.90	24.13	40.34	44.46	43.78
28.3657	43.25	24.43	40.89	43.88	43.39
28.4603	42.89	24.89	41.72	43.33	42.92
28.5548	42.63	25.59	42.31	43.03	42.43
28.6494	42.17	26.20	42.69	42.61	41.89
28.7439	41.38	26.77	42.67	41.73	41.43
28.8385	40.59	27.33	42.27	40.74	40.91
28.9330	39.94	27.96	41.45	39.91	40.33
29.0276	39.54	28.40	40.88	39.52	39.76
29.1221	39.09	28.80	40.41	39.15	39.26
29.2167	38.45	29.17	40.12	38.63	38.72
29.3112	37.74	29.71	40.02	38.02	38.11
29.4058	37.30	30.18	40.37	37.58	37.53
29.5003	37.08	30.44	40.69	37.22	37.13
29.5949	36.92	30.49	40.87	37.03	36.82
29.6894	36.46	30.81	40.79	36.74	36.47
29.7840	35.76	31.27	40.42	36.15	35.90
29.8785	35.09	31.68	39.61	35.33	35.28
29.9731	34.82	31.69	38.64	34.85	34.86
30.0676	34.59	31.66	37.51	34.66	34.60
30.1622	34.28	31.57	36.56	34.36	34.34
30.2567	34.00	31.59	35.68	33.83	34.23
30.3513	33.59	31.96	35.00	33.48	33.95
30.4459	33.38	32.09	34.33	33.26	33.56
30.5404	33.42	31.78	33.71	33.39	33.27
30.6350	33.38	31.31	32.99	33.45	33.15
30.7295	33.20	31.23	32.21	33.36	32.98
30.8241	33.07	31.42	31.20	33.14	32.83
30.9186	32.91	31.63	30.26	33.06	32.67
31.0132	32.91	31.53	29.42	33.07	32.60
31.1077	32.94	31.45	28.82	33.20	32.57
31.2023	32.79	31.53	28.28	33.05	32.52
31.2968	32.53	31.74	27.70	32.72	32.33
31.3914	32.40	31.79	26.93	32.51	32.12
31.4859	32.30	31.70	26.29	32.50	31.81
31.5805	32.00	31.41	25.83	32.36	31.52
31.6750	31.65	31.08	25.46	32.13	31.22
31.7696	31.42	31.02	25.06	31.68	30.69
31.8641	30.95	31.24	24.60	31.10	30.11
31.9587	30.49	31.35	24.17	30.52	29.67
32.0532	30.03	31.50	24.02	30.09	29.38
32.1478	29.53	31.71	24.05	29.54	29.12
32.2423	29.05	32.14	24.10	28.99	28.83
32.3369	28.82	32.57	23.96	28.54	28.49
32.4315	28.54	32.78	23.82	28.25	28.11
32.5260	28.12	32.62	23.93	27.91	27.71
32.6206	27.45	32.30	24.17	27.40	27.22
32.7151	26.74	32.05	24.20	26.57	26.65
32.8097	26.19	31.96	24.01	25.90	26.11
32.9042	25.95	31.87	23.73	25.54	25.69
32.9988	25.62	31.69	23.53	25.32	25.42
33.0933	25.30	31.55	23.37	25.09	25.19

33.1879	25.07	31.60	23.25	24.94	24.82
33.2824	24.85	31.71	23.10	24.52	24.38
33.3770	24.40	31.78	22.84	23.96	24.20
33.4715	24.09	31.74	22.63	23.65	24.19
33.5661	23.75	31.63	22.70	23.33	23.83
33.6606	23.14	31.52	22.96	22.68	23.66
33.7552	22.93	31.47	22.98	22.26	23.69
33.8497	23.11	31.47	22.53	22.23	23.55
33.9443	22.98	31.32	22.01	22.54	23.41
34.0388	22.91	31.19	21.66	22.81	23.09
34.1334	22.92	31.15	21.22	23.16	23.00
34.2279	23.07	31.01	20.60	23.26	23.07
34.3225	23.11	30.93	19.91	23.22	23.01
34.4171	23.29	30.71	19.19	23.29	22.59
34.5116	23.09	30.48	18.56	23.41	22.50
34.6062	22.78	30.36	18.06	23.16	22.43
34.7007	22.52	30.32	17.58	22.83	22.26
34.7953	22.61	30.25	17.00	22.65	22.15
34.8898	22.68	30.26	16.40	22.70	22.46
34.9844	22.75	30.20	15.96	22.76	22.64
35.0789	22.62	30.17	15.69	22.80	22.59
35.1735	22.50	30.18	15.44	22.73	22.35
35.2680	22.41	30.08	14.96	22.61	22.16
35.3626	22.40	29.71	14.29	22.37	21.88
35.4571	22.06	29.37	13.85	22.15	21.65
35.5517	21.59	29.03	13.81	21.80	21.17
35.6462	21.10	28.54	13.73	21.46	20.57
35.7408	20.84	27.96	13.63	21.15	19.96
35.8353	20.51	27.37	13.56	20.88	19.58
35.9299	20.07	26.55	13.35	20.48	19.25
36.0244	19.47	25.85	13.29	19.92	18.96
36.1190	19.02	25.25	13.39	19.29	18.58
36.2135	18.54	24.59	13.42	18.74	18.22
36.3081	18.21	23.69	13.41	18.18	17.79
36.4027	17.74	22.75	13.39	17.66	17.49
36.4972	17.21	21.80	13.41	17.08	17.12
36.5918	16.61	21.12	13.58	16.58	16.68
36.6863	16.28	20.53	13.67	16.21	16.16
36.7809	16.04	19.86	13.55	16.02	15.80
36.8754	15.81	19.16	13.45	15.73	15.51
36.9700	15.36	18.71	13.49	15.38	15.28
37.0645	14.97	18.27	13.53	14.97	14.95
37.1591	14.58	17.82	13.46	14.52	14.61
37.2536	14.29	17.35	13.27	14.16	14.25
37.3482	14.07	16.78	13.22	13.97	14.01
37.4427	13.80	16.08	13.31	13.68	13.87
37.5373	13.50	15.89	13.50	13.46	13.75
37.6318	13.48	15.94	13.61	13.44	13.51
37.7264	13.53	15.71	13.56	13.58	13.33
37.8209	13.61	15.59	13.46	13.66	13.26
37.9155	13.54	15.67	13.55	13.59	13.36
38.0100	13.37	15.85	13.68	13.33	13.51
38.1046	13.30	16.01	13.69	13.16	13.49
38.1991	13.40	16.12	13.41	13.28	13.26
38.2937	13.32	16.09	13.14	13.39	13.11
38.3883	13.21	15.89	13.10	13.27	13.08
38.4828	13.03	15.78	13.30	13.10	13.10
38.5774	12.97	15.93	13.49	13.02	12.94
38.6719	13.05	16.11	13.55	13.17	12.70
38.7665	13.13	16.07	13.58	13.40	12.55
38.8610	13.01	15.83	13.73	13.42	12.50

38.9556	12.84	15.64	13.95	13.15	12.44
39.0501	12.73	15.64	14.07	12.93	12.42
39.1447	12.72	15.61	13.96	12.86	12.44
39.2392	12.69	15.35	13.75	12.82	12.50
39.3338	12.65	14.98	13.62	12.70	12.54
39.4283	12.49	14.68	13.84	12.52	12.53
39.5229	12.33	14.63	13.94	12.30	12.43
39.6174	12.25	14.58	13.79	12.22	12.27
39.7120	12.20	14.25	13.74	12.23	12.00
39.8065	11.99	13.76	13.69	12.17	11.71
39.9011	11.76	13.29	13.76	12.01	11.41
39.9956	11.40	12.93	13.92	11.69	11.23
40.0902	11.13	12.66	14.11	11.27	11.04
40.1847	11.10	12.41	13.95	11.06	10.90
40.2793	11.01	12.10	13.83	10.98	10.88
40.3739	10.63	12.01	13.98	10.66	10.83
40.4684	10.34	11.97	14.36	10.30	10.57
40.5630	10.33	12.04	14.36	10.29	10.32
40.6575	10.35	12.18	14.15	10.40	10.21
40.7521	10.23	12.04	13.93	10.34	10.13
40.8466	10.07	11.70	13.98	10.16	9.95
40.9412	9.87	11.45	14.10	9.98	9.76
41.0357	9.78	11.44	14.12	9.91	9.66
41.1303	9.91	11.53	13.86	9.97	9.70
41.2248	10.09	11.58	13.70	10.16	9.77
41.3194	10.00	11.63	13.71	10.24	9.85
41.4139	9.89	11.65	13.92	10.02	9.85
41.5085	9.85	11.76	13.93	9.82	9.83
41.6030	9.79	11.69	13.74	9.74	9.88
41.6976	9.90	11.65	13.47	9.90	9.83
41.7921	10.02	11.56	13.33	10.05	9.79
41.8867	10.08	11.59	13.30	10.19	9.80
41.9812	9.99	11.63	13.32	10.11	9.85
42.0758	9.78	11.48	13.20	9.79	9.86
42.1703	9.83	11.28	13.06	9.74	9.77
42.2649	9.89	11.31	12.66	9.99	9.71
42.3594	9.90	11.35	12.60	10.07	9.62
42.4540	9.86	11.32	12.81	10.13	9.55
42.5486	9.92	11.17	12.73	10.13	9.51
42.6431	9.79	11.09	12.29	10.08	9.50
42.7377	9.81	11.10	12.19	10.07	9.35
42.8322	9.75	11.08	12.36	10.17	9.27
42.9268	9.72	10.85	12.43	10.08	9.32
43.0213	9.68	10.69	12.27	9.87	9.46
43.1159	9.77	10.67	12.18	9.77	9.56
43.2104	9.77	10.71	12.21	9.83	9.62
43.3050	9.72	10.69	12.30	9.87	9.56
43.3995	9.70	10.72	12.46	9.87	9.53
43.4941	9.76	10.71	12.62	9.84	9.54
43.5886	9.70	10.63	12.52	9.76	9.51
43.6832	9.64	10.59	12.35	9.73	9.36
43.7777	9.54	10.43	12.37	9.79	9.26
43.8723	9.55	10.20	12.56	9.72	9.32
43.9668	9.59	10.14	12.60	9.58	9.50
44.0614	9.68	9.95	12.45	9.53	9.68
44.1559	9.79	9.54	12.35	9.58	9.84
44.2505	9.89	9.39	12.47	9.75	9.95
44.3450	9.93	9.45	12.62	9.84	10.00
44.4396	10.04	9.14	12.67	9.77	10.15
44.5342	10.09	8.75	12.60	9.70	10.30
44.6287	10.07	8.75	12.56	9.80	10.26

44.7233	10.06	8.71	12.60	9.95	10.16
44.8178	10.19	8.43	12.55	9.96	10.28
44.9124	10.37	8.36	12.51	9.96	10.65
45.0069	10.60	8.43	12.37	9.93	11.01
45.1015	10.68	8.16	12.24	9.96	11.10
45.1960	10.70	8.17	12.13	10.21	11.07
45.2906	10.78	8.26	12.07	10.64	10.91
45.3851	10.81	8.36	12.00	10.91	10.80
45.4797	10.89	8.34	11.87	10.95	10.79
45.5742	10.94	8.32	11.77	10.99	10.82
45.6688	11.00	8.43	11.68	10.97	10.72
45.7633	10.93	8.44	11.58	10.97	10.74
45.8579	10.88	8.39	11.41	11.10	10.74
45.9524	10.87	8.42	11.21	11.23	10.71
46.0470	11.14	8.44	11.18	11.32	10.75
46.1415	11.19	8.33	11.00	11.34	10.93
46.2361	11.16	8.60	10.76	11.25	10.93
46.3306	11.06	8.85	10.40	11.22	10.91
46.4252	11.07	8.66	10.28	11.30	10.89
46.5198	11.06	8.40	10.19	11.24	10.88
46.6143	11.09	8.61	10.19	11.11	10.79
46.7089	10.96	8.63	10.12	11.09	10.77
46.8034	10.90	8.41	10.08	11.18	10.70
46.8980	10.93	8.28	10.01	11.18	10.71
46.9925	11.01	8.34	10.20	11.09	10.70
47.0871	10.89	8.40	10.20	11.06	10.60
47.1816	10.77	8.49	10.17	11.14	10.38
47.2762	10.73	8.52	9.87	11.19	10.31
47.3707	10.82	8.43	9.96	11.13	10.41
47.4653	10.85	8.34	9.98	10.98	10.62
47.5598	10.86	8.38	9.97	10.80	10.68
47.6544	10.64	8.43	9.73	10.67	10.62
47.7489	10.54	8.36	9.73	10.64	10.50
47.8435	10.55	8.28	9.69	10.71	10.49
47.9380	10.71	8.34	9.76	10.66	10.58
48.0326	10.71	8.41	9.69	10.53	10.74
48.1271	10.57	8.45	9.65	10.49	10.62
48.2217	10.39	8.59	9.66	10.50	10.37
48.3162	10.35	8.73	9.70	10.48	10.27
48.4108	10.40	8.61	9.69	10.38	10.41
48.5054	10.45	8.58	9.76	10.22	10.53
48.5999	10.32	8.90	9.76	10.10	10.51
48.6945	10.16	9.11	9.68	10.17	10.27
48.7890	10.18	9.06	9.56	10.39	10.16
48.8836	10.48	9.07	9.72	10.54	10.32
48.9781	10.55	9.20	9.75	10.56	10.45
49.0727	10.57	9.41	9.73	10.44	10.35
49.1672	10.38	9.51	9.60	10.40	10.28
49.2618	10.21	9.48	9.64	10.50	10.14
49.3563	10.43	9.50	9.60	10.61	10.26
49.4509	10.76	9.61	9.73	10.57	10.57
49.5454	10.80	9.72	9.78	10.50	10.68
49.6400	10.63	9.77	9.76	10.41	10.65
49.7345	10.52	9.92	9.71	10.42	10.71
49.8291	10.58	10.04	9.95	10.58	10.70
49.9236	10.69	10.19	9.94	10.68	10.61
50.0182	10.78	10.37	9.86	10.67	10.50
50.1127	10.60	10.61	9.82	10.70	10.33
50.2073	10.49	10.69	9.77	10.84	10.19
50.3018	10.56	10.61	9.64	10.88	10.22
50.3964	10.74	10.52	9.82	10.86	10.38

50.4910	10.67	10.55	9.97	10.79	10.39
50.5855	10.54	10.72	10.02	10.64	10.32
50.6801	10.39	10.77	10.08	10.50	10.34
50.7746	10.54	10.73	10.42	10.56	10.45
50.8692	10.74	10.66	10.47	10.64	10.71
50.9637	10.83	10.83	10.43	10.58	10.89
51.0583	10.65	11.00	10.49	10.48	10.80
51.1528	10.50	10.91	10.61	10.42	10.49
51.2474	10.41	10.67	10.54	10.45	10.41
51.3419	10.50	10.68	10.60	10.59	10.37
51.4365	10.48	10.76	10.55	10.61	10.22
51.5310	10.39	10.77	10.67	10.53	10.22
51.6256	10.43	10.78	10.64	10.45	10.44
51.7201	10.65	10.86	10.73	10.52	10.40
51.8147	10.60	10.90	10.62	10.65	10.25
51.9092	10.56	10.97	10.61	10.65	10.31
52.0038	10.49	11.11	10.41	10.54	10.45
52.0983	10.49	11.28	10.34	10.33	10.42
52.1929	10.32	11.21	10.25	10.26	10.34
52.2874	10.32	10.99	10.18	10.23	10.31
52.3820	10.33	10.94	10.00	10.24	10.34
52.4766	10.40	11.18	10.05	10.21	10.37
52.5711	10.33	11.34	10.08	10.27	10.49
52.6657	10.51	11.24	10.13	10.34	10.48
52.7602	10.64	11.21	9.98	10.52	10.49
52.8548	10.71	11.43	9.91	10.67	10.55
52.9493	10.68	11.67	9.81	10.73	10.51
53.0439	10.65	11.66	9.84	10.71	10.45
53.1384	10.56	11.52	9.64	10.65	10.40
53.2330	10.66	11.50	9.44	10.66	10.55
53.3275	10.78	11.48	9.29	10.70	10.72
53.4221	10.78	11.38	9.49	10.71	10.57
53.5166	10.59	11.39	9.37	10.70	10.48
53.6112	10.61	11.44	9.35	10.67	10.53
53.7057	10.72	11.37	9.46	10.70	10.59
53.8003	10.70	11.08	9.54	10.64	10.63
53.8948	10.70	11.05	9.33	10.66	10.66
53.9894	10.72	11.07	9.39	10.80	10.45
54.0839	10.73	10.99	9.37	10.97	10.33
54.1785	10.78	10.66	9.26	11.10	10.35
54.2730	10.78	10.65	9.08	11.11	10.44
54.3676	10.76	10.76	9.25	11.03	10.44
54.4621	10.77	10.89	9.29	11.00	10.51
54.5567	10.89	10.86	9.34	11.05	10.59
54.6513	11.00	10.89	9.36	11.08	10.74
54.7458	11.07	10.85	9.49	11.11	10.87
54.8404	11.01	10.75	9.39	11.07	11.02
54.9349	10.97	10.82	9.50	11.00	10.96
55.0295	10.92	10.80	9.67	11.01	10.82
55.1240	11.02	10.51	9.76	11.04	10.75
55.2186	10.98	10.40	9.68	11.10	10.75
55.3131	10.91	10.58	9.76	11.11	10.80
55.4077	10.96	10.80	10.00	10.92	10.86
55.5022	10.97	10.80	10.11	11.03	10.77
55.5968	10.94	10.73	9.92	11.04	10.72
55.6913	11.05	10.61	9.93	10.90	10.80
55.7859	10.97	10.58	9.94	10.78	10.98
55.8804	10.84	10.59	10.08	10.71	10.87
55.9750	10.69	10.29	10.10	10.73	10.65
56.0695	10.70	9.79	10.05	10.69	10.59
56.1641	10.69	9.66	9.85	10.58	10.88

56.2586	10.82	9.78	9.87	10.45	11.19
56.3532	10.87	9.67	9.86	10.49	11.27
56.4477	10.93	9.39	9.97	10.66	11.10
56.5423	10.91	9.38	9.81	10.81	10.99
56.6369	11.02	9.38	9.82	10.82	11.05
56.7314	11.11	9.39	9.81	10.77	11.17
56.8260	10.98	9.34	9.94	10.95	10.98
56.9205	11.02	9.34	9.79	11.14	10.79
57.0151	11.04	9.17	9.67	11.29	10.65
57.1096	11.06	9.07	9.50	11.42	10.66
57.2042	11.11	9.15	9.60	11.34	10.75
57.2987	11.09	9.16	9.53	11.17	10.83
57.3933	11.06	9.13	9.55	11.16	10.89
57.4878	11.07	9.14	9.55	11.26	10.86
57.5824	11.07	9.14	9.60	11.20	10.82
57.6769	11.02	9.04	9.49	11.11	10.83
57.7715	10.98	8.97	9.56	11.03	10.78
57.8660	10.74	9.03	9.45	10.92	10.55
57.9606	10.54	9.04	9.39	10.75	10.37
58.0551	10.62	8.91	9.22	10.64	10.44
58.1497	10.61	8.90	9.22	10.59	10.52
58.2442	10.59	9.19	9.17	10.67	10.37
58.3388	10.52	9.35	9.26	10.85	10.13
58.4333	10.55	9.26	9.40	10.95	9.96
58.5279	10.48	9.28	9.47	10.83	9.96
58.6225	10.49	9.41	9.47	10.70	10.04
58.7170	10.37	9.39	9.68	10.57	10.16
58.8116	10.37	9.47	9.89	10.55	10.10
58.9061	10.36	9.67	9.95	10.52	10.14
59.0007	10.38	9.63	9.87	10.37	10.18
59.0952	10.25	9.64	10.02	10.32	10.25
59.1898	10.32	9.83	10.02	10.23	10.46
59.2843	10.40	9.93	9.99	10.21	10.77
59.3789	10.57	9.94	9.92	10.30	10.77
59.4734	10.70	9.86	10.02	10.56	10.55
59.5680	10.63	9.55	9.92	10.70	10.42
59.6625	10.43	9.34	10.04	10.55	10.42
59.7571	10.42	9.49	10.13	10.28	10.46
59.8516	10.46	9.41	10.23	10.32	10.54
59.9462	10.62	9.04	10.21	10.46	10.63
60.0407	10.59	9.14	10.34	10.50	10.68
60.1353	10.62	9.57	10.33	10.40	10.75
60.2298	10.54	9.68	10.43	10.42	10.86
60.3244	10.59	9.66	10.43	10.25	10.86
60.4189	10.49	9.88	10.50	10.31	10.67
60.5135	10.53	9.89	10.27	10.54	10.36
60.6081	10.40	9.76	10.25	10.54	10.22
60.7026	10.29	9.91	10.15	10.34	10.28
60.7972	10.39	10.00	10.16	10.33	10.51
60.8917	10.61	9.84	10.05	10.42	10.72
60.9863	10.78	9.82	10.24	10.60	10.78
61.0808	10.86	10.06	10.39	10.85	10.69
61.1754	10.72	10.07	10.53	10.77	10.71
61.2699	10.73	10.09	10.61	10.60	10.73
61.3645	10.75	10.07	10.90	10.64	10.74
61.4590	10.74	9.99	10.83	10.65	10.68
61.5536	10.55	9.83	10.81	10.58	10.40
61.6481	10.33	9.87	10.85	10.61	10.12
61.7427	10.34	9.90	11.09	10.63	10.08
61.8372	10.46	9.85	10.95	10.57	10.17
61.9318	10.56	9.71	10.87	10.65	10.21

62.0263	10.50	9.64	10.92	10.73	10.20
62.1209	10.40	9.59	11.14	10.50	10.35
62.2154	10.36	9.54	11.12	10.29	10.48
62.3100	10.49	9.40	11.21	10.28	10.46
62.4045	10.54	9.17	11.25	10.44	10.34
62.4991	10.44	8.87	11.37	10.44	10.31
62.5937	10.30	8.85	11.38	10.36	10.23
62.6882	10.14	8.90	11.54	10.04	10.18
62.7828	10.14	8.81	11.53	9.78	10.07
62.8773	10.01	8.53	11.57	9.85	9.93
62.9719	10.08	8.66	11.55	10.11	9.79
63.0664	10.04	8.93	11.64	10.36	9.90
63.1610	10.12	9.01	11.68	10.28	9.96
63.2555	10.10	8.90	11.68	10.12	9.91
63.3501	10.03	8.99	11.33	10.04	9.70
63.4446	9.95	9.04	11.20	10.11	9.56
63.5392	9.84	9.11	11.14	10.04	9.57
63.6337	9.70	9.23	11.06	9.90	9.52
63.7283	9.53	9.48	10.89	9.71	9.26
63.8228	9.49	9.63	10.90	9.63	9.16
63.9174	9.58	9.62	10.88	9.60	9.33
64.0119	9.61	9.87	11.05	9.59	9.62
64.1065	9.71	10.19	11.12	9.73	9.73
64.2010	9.83	10.13	11.29	9.91	9.77
64.2956	9.91	9.89	11.24	9.91	9.76
64.3901	9.92	9.82	11.18	9.95	9.69
64.4847	9.84	9.77	11.12	10.00	9.70
64.5793	9.87	9.89	11.10	10.09	9.80
64.6738	10.05	9.99	10.90	10.25	9.73
64.7684	10.21	10.01	10.78	10.43	9.73
64.8629	10.37	10.13	10.66	10.49	9.90
64.9575	10.39	10.45	10.70	10.49	10.14
65.0520	10.37	10.65	10.60	10.48	10.32
65.1466	10.37	10.69	10.60	10.45	10.36
65.2411	10.44	10.53	10.52	10.39	10.30
65.3357	10.43	10.37	10.46	10.37	10.31
65.4302	10.29	10.37	10.37	10.39	10.32
65.5248	10.26	10.44	10.50	10.37	10.30
65.6193	10.41	10.44	10.40	10.37	10.17
65.7139	10.38	10.38	10.22	10.48	10.03
65.8084	10.29	10.45	10.11	10.49	9.99
65.9030	10.36	10.47	10.24	10.55	10.06
65.9975	10.37	10.64	10.08	10.69	10.12
66.0921	10.32	10.80	9.86	10.63	10.17
66.1866	10.33	10.63	9.79	10.40	10.07
66.2812	10.27	10.46	9.97	10.17	10.05
66.3757	10.09	10.52	9.88	10.03	10.09
66.4703	9.94	10.52	9.84	10.07	10.09
66.5648	9.98	10.36	9.84	10.24	9.97
66.6594	10.06	10.12	9.97	10.26	9.89
66.7540	10.10	9.86	9.97	10.14	9.90
66.8485	10.08	9.75	10.23	10.10	10.10
66.9431	10.20	9.71	10.30	10.13	10.25
67.0376	10.27	9.49	10.18	10.26	10.49
67.1322	10.46	9.42	10.06	10.43	10.40
67.2267	10.53	9.23	10.04	10.48	10.36
67.3213	10.59	9.10	9.83	10.34	10.48
67.4158	10.53	9.03	9.71	10.36	10.79
67.5104	10.61	9.06	9.65	10.50	10.89
67.6049	10.75	8.76	9.56	10.54	10.87
67.6995	10.85	8.44	9.50	10.60	10.78

67.7940	10.95	8.41	9.68	10.71	10.93
67.8886	11.06	8.29	9.68	10.74	11.20
67.9831	11.11	8.15	9.59	10.77	11.46
68.0777	11.09	8.07	9.49	10.84	11.39
68.1722	11.12	7.88	9.56	10.79	11.26
68.2668	11.12	7.78	9.59	10.92	11.04
68.3613	10.93	7.95	9.64	11.06	10.97
68.4559	10.94	8.27	9.63	11.19	10.87
68.5504	11.20	8.45	9.70	11.36	10.86
68.6450	11.41	8.34	9.78	11.46	10.94
68.7396	11.39	8.65	9.88	11.41	11.11
68.8341	11.36	8.94	9.71	11.36	11.17
68.9287	11.35	8.84	9.81	11.49	11.21
69.0232	11.41	8.78	9.84	11.50	11.24
69.1178	11.42	8.83	9.76	11.40	11.24
69.2123	11.38	8.64	9.52	11.29	11.09
69.3069	11.16	8.56	9.70	11.19	11.07
69.4014	11.02	8.87	9.81	11.25	11.06
69.4960	11.17	8.94	9.82	11.33	11.01
69.5905	11.34	8.76	9.67	11.40	10.96
69.6851	11.34	8.78	9.85	11.52	11.02
69.7796	11.25	9.07	9.81	11.49	10.99
69.8742	11.11	9.09	9.82	11.45	10.92
69.9687	11.21	9.12	9.85	11.56	10.90
70.0633	11.35	9.09	9.90	11.66	10.87
70.1578	11.48	8.87	9.67	11.60	10.90
70.2524	11.40	8.94	9.76	11.57	11.00
70.3469	11.33	9.19	10.00	11.39	11.12
70.4415	11.17	9.31	10.26	11.16	11.23
70.5360	11.18	9.30	10.14	11.01	11.29
70.6306	11.30	9.58	10.19	11.04	11.24
70.7252	11.17	10.01	10.30	11.05	11.09
70.8197	10.91	10.30	10.39	10.92	11.07
70.9143	10.72	10.48	10.21	10.66	11.03
71.0088	10.69	10.55	10.12	10.52	10.79
71.1034	10.66	10.76	9.91	10.46	10.59
71.1979	10.70	10.96	10.00	10.62	10.53
71.2925	10.66	11.18	10.02	10.76	10.51
71.3870	10.57	11.40	10.09	10.65	10.45
71.4816	10.55	11.62	9.92	10.57	10.45
71.5761	10.63	11.49	9.98	10.60	10.45
71.6707	10.69	11.69	9.88	10.58	10.43
71.7652	10.43	11.94	9.91	10.50	10.38
71.8598	10.21	12.03	9.86	10.31	10.27
71.9543	10.10	11.80	9.79	10.11	10.15
72.0489	10.13	11.91	9.42	10.06	10.07
72.1434	10.18	11.74	9.31	10.15	10.07
72.2380	10.21	11.89	9.23	10.17	10.13
72.3325	10.14	12.14	9.21	10.11	10.18
72.4271	10.22	12.39	9.03	10.21	10.32
72.5216	10.42	11.99	8.97	10.32	10.33
72.6162	10.56	11.50	8.92	10.47	10.33
72.7108	10.67	11.33	9.00	10.63	10.38
72.8053	10.56	11.55	9.06	10.68	10.33
72.8999	10.35	12.11	9.13	10.48	10.06
72.9944	10.13	11.54	9.04	10.38	9.80
73.0890	10.17	11.52	9.10	10.44	9.73
73.1835	10.28	11.40	9.22	10.52	9.95
73.2781	10.33	11.70	9.49	10.44	10.18
73.3726	10.25	11.83	9.49	10.21	10.22
73.4672	10.14	11.59	9.62	10.10	10.07

73.5617	10.14	11.54	9.65	10.07	10.01
73.6563	10.11	11.83	9.81	10.04	10.11
73.7508	10.05	11.48	9.91	9.94	10.17
73.8454	10.03	11.86	9.95	9.94	10.14
73.9399	10.14	11.59	9.71	10.00	10.06
74.0345	10.17	11.79	9.66	10.13	9.98
74.1290	10.17	11.54	9.86	10.27	10.00
74.2236	10.20	11.77	10.18	10.34	9.99
74.3181	10.17	11.73	10.28	10.38	10.08
74.4127	10.24	11.63	10.40	10.29	10.16
74.5072	10.35	11.32	10.53	10.25	10.18
74.6018	10.42	11.37	10.72	10.35	10.16
74.6964	10.41	11.16	10.71	10.40	10.26
74.7909	10.34	11.05	10.54	10.58	10.32
74.8855	10.48	10.65	10.42	10.69	10.25
74.9800	10.69	10.49	10.40	10.71	10.24
75.0746	10.71	10.30	10.39	10.61	10.48
75.1691	10.74	10.41	10.49	10.72	10.69
75.2637	10.81	10.25	10.37	10.87	10.77
75.3582	10.88	10.11	10.26	10.95	10.63
75.4528	10.91	9.83	10.30	10.94	10.61
75.5473	10.98	10.12	10.32	10.93	10.69
75.6419	10.94	9.89	10.26	10.93	10.85
75.7364	10.82	9.70	10.47	10.91	10.95
75.8310	10.97	9.54	10.41	11.03	10.96
75.9255	11.12	9.61	10.41	11.04	10.95
76.0201	10.94	9.41	10.47	11.00	10.84
76.1146	11.01	9.34	10.53	11.07	10.86
76.2092	11.12	9.29	10.22	11.27	11.06
76.3037	11.25	9.40	10.10	11.40	11.14
76.3983	11.31	9.46	9.98	11.31	11.12
76.4928	11.07	9.60	9.87	11.11	10.90
76.5874	11.03	9.42	9.67	11.02	10.90
76.6820	11.10	9.40	9.73	11.05	11.12
76.7765	11.05	9.49	9.60	11.04	11.09
76.8711	11.14	9.36	9.63	10.93	10.94
76.9656	11.13	8.93	9.74	11.03	11.08
77.0602	10.95	9.01	9.81	11.03	11.07
77.1547	11.07	9.00	9.78	11.04	10.95
77.2493	10.84	9.14	9.83	11.03	10.82
77.3438	10.93	8.64	9.75	10.97	10.67
77.4384	11.02	8.67	9.68	10.99	10.69
77.5329	10.73	8.68	9.55	10.87	10.66
77.6275	10.88	8.56	9.47	10.90	10.73
77.7220	10.78	8.45	9.28	10.97	10.66
77.8166	10.82	8.46	9.33	10.89	10.50
77.9111	10.80	8.38	9.30	10.72	10.53
78.0057	10.64	8.58	9.36	10.57	10.54
78.1002	10.58	8.68	9.39	10.66	10.60
78.1948	10.67	8.56	9.59	10.69	10.60
78.2893	10.58	8.60	9.71	10.68	10.57
78.3839	10.69	8.75	9.97	10.59	10.44
78.4784	10.59	8.49	10.01	10.41	10.54
78.5730	10.33	8.61	10.02	10.27	10.56
78.6675	10.33	8.84	10.05	10.34	10.55
78.7621	10.50	8.83	10.35	10.48	10.52
78.8567	10.55	8.48	10.16	10.40	10.44
78.9512	10.41	8.81	10.07	10.40	10.29
79.0458	10.26	9.06	10.02	10.40	10.33
79.1403	10.34	9.08	10.16	10.42	10.46
79.2349	10.43	8.71	9.92	10.47	10.52

79.3294	10.66	8.85	9.76	10.48	10.53
79.4240	10.62	8.91	9.83	10.41	10.54
79.5185	10.46	8.96	9.99	10.36	10.38
79.6131	10.24	8.77	9.96	10.41	10.31
79.7076	10.41	8.99	10.15	10.54	10.19
79.8022	10.43	8.88	10.18	10.65	10.14
79.8967	10.40	8.82	10.40	10.63	10.11
79.9913	10.43	9.10	10.43	10.62	10.27
80.0858	10.66	9.53	10.47	10.75	10.38
80.1804	10.54	9.33	10.41	10.84	10.40
80.2749	10.59	9.40	10.43	10.70	10.34
80.3695	10.58	9.58	10.21	10.61	10.41
80.4640	10.73	9.89	10.34	10.59	10.50
80.5586	10.71	9.80	10.46	10.68	10.64
80.6531	10.60	9.67	10.64	10.80	10.43
80.7477	10.46	9.67	10.64	10.80	10.17
80.8423	10.54	9.78	10.95	10.69	10.09
80.9368	10.41	9.71	11.03	10.64	10.19
81.0314	10.45	9.93	11.22	10.51	10.31
81.1259	10.42	9.69	11.21	10.48	10.18
81.2205	10.19	9.67	11.25	10.41	9.94
81.3150	10.20	9.66	11.21	10.41	9.81
81.4096	10.01	9.76	11.35	10.35	9.77
81.5041	10.01	9.86	11.33	10.08	9.89
81.5987	9.97	9.80	11.21	10.04	9.88
81.6932	9.84	9.72	11.17	10.09	9.74
81.7878	10.09	9.67	11.25	10.21	9.55
81.8823	9.99	9.58	11.12	10.12	9.65
81.9769	9.98	9.69	11.08	9.81	9.85
82.0714	9.75	9.39	10.87	9.65	10.02
82.1660	9.75	9.14	11.07	9.60	9.94
82.2605	9.80	9.16	11.01	9.64	9.82
82.3551	9.87	9.26	10.87	9.67	9.80
82.4496	9.81	9.20	10.96	9.65	9.90
82.5442	9.79	9.36	11.08	9.58	9.98
82.6387	9.71	9.41	10.94	9.55	9.89
82.7333	9.74	9.43	11.09	9.66	9.75
82.8279	9.83	9.43	10.84	9.78	9.71
82.9224	9.99	9.92	10.74	9.89	9.87
83.0170	10.10	10.10	10.66	10.01	10.04
83.1115	10.08	9.91	10.54	10.03	10.00
83.2061	10.06	9.82	10.63	9.95	9.94
83.3006	10.01	10.19	10.56	9.90	9.91
83.3952	9.85	10.31	10.47	9.76	9.90
83.4897	9.87	10.41	10.51	9.74	9.88
83.5843	9.91	10.13	10.47	9.96	9.82
83.6788	9.93	10.22	10.58	10.00	9.89
83.7734	10.04	10.35	10.55	9.93	10.07
83.8679	10.19	10.70	10.63	9.99	10.19
83.9625	10.13	10.63	10.58	9.96	10.42
84.0570	10.23	10.49	10.70	9.98	10.50
84.1516	10.43	10.29	10.60	10.28	10.47
84.2461	10.57	10.55	10.60	10.55	10.36
84.3407	10.56	10.46	10.49	10.73	10.28
84.4352	10.58	10.45	10.47	10.77	10.21
84.5298	10.55	10.27	10.33	10.87	10.18
84.6243	10.65	10.36	10.41	10.84	10.24
84.7189	10.53	10.34	10.44	10.82	10.23
84.8135	10.66	10.51	10.54	10.78	10.29
84.9080	10.72	10.51	10.43	10.80	10.59
85.0026	10.65	10.25	10.42	10.57	10.85

85.0971	10.65	9.95	10.32	10.28	10.87
85.1917	10.55	10.27	10.51	10.30	10.84
85.2862	10.59	10.10	10.41	10.43	10.81
85.3808	10.63	10.08	10.27	10.67	10.74
85.4753	10.72	9.83	10.23	10.71	10.62
85.5699	10.73	9.85	10.37	10.78	10.49
85.6644	10.79	9.98	10.37	10.86	10.48
85.7590	10.74	9.92	10.36	10.78	10.42
85.8535	10.60	9.71	10.32	10.72	10.31
85.9481	10.45	9.77	10.46	10.75	10.27
86.0426	10.52	9.67	10.44	10.76	10.32
86.1372	10.56	9.69	10.53	10.67	10.29
86.2317	10.43	9.57	10.40	10.52	10.26
86.3263	10.41	9.63	10.38	10.50	10.44
86.4208	10.47	9.50	10.42	10.58	10.47
86.5154	10.56	9.51	10.42	10.69	10.45
86.6099	10.63	9.43	10.20	10.63	10.37
86.7045	10.52	9.39	10.18	10.65	10.29
86.7991	10.51	9.35	10.20	10.62	10.27
86.8936	10.63	9.48	10.17	10.63	10.45
86.9882	10.77	9.20	9.99	10.89	10.57
87.0827	10.95	9.08	10.08	11.10	10.50
87.1773	10.99	8.98	9.96	11.24	10.54
87.2718	10.90	9.05	9.81	11.29	10.52
87.3664	10.86	8.94	9.86	11.10	10.56
87.4609	10.84	8.77	9.89	11.00	10.66
87.5555	10.91	8.49	9.63	10.95	10.63
87.6500	10.73	8.73	9.62	10.89	10.52
87.7446	10.72	8.79	9.59	10.88	10.44
87.8391	10.88	8.82	9.61	10.87	10.56
87.9337	10.84	8.61	9.43	10.96	10.81
88.0282	10.96	8.75	9.37	11.05	10.96
88.1228	11.10	8.99	9.21	10.86	10.94
88.2173	10.91	9.30	9.21	10.80	11.06
88.3119	11.00	9.29	9.03	10.83	11.03
88.4064	11.01	9.55	9.05	10.90	10.82
88.5010	10.91	9.57	8.94	11.08	10.71
88.5955	10.86	9.61	9.04	10.85	10.54
88.6901	10.59	9.73	9.00	10.60	10.62
88.7847	10.65	9.97	9.15	10.61	10.58
88.8792	10.70	9.65	9.20	10.67	10.52
88.9738	10.61	9.64	9.30	10.77	10.49
89.0683	10.69	9.92	9.31	10.70	10.49
89.1629	10.50	10.31	9.39	10.56	10.58
89.2574	10.49	10.08	9.23	10.56	10.51
89.3520	10.67	10.19	9.32	10.58	10.55
89.4465	10.61	10.28	9.23	10.75	10.51
89.5411	10.74	10.53	9.19	10.91	10.45
89.6356	10.69	10.41	9.20	10.66	10.66
89.7302	10.67	10.40	9.45	10.59	10.83
89.8247	10.86	10.32	9.46	10.74	10.96
89.9193	10.93	10.56	9.61	10.81	10.84
90.0138	10.86	10.54	9.69	10.86	10.74
90.1084	10.84	10.52	9.90	10.83	10.82
90.2029	11.03	10.60	9.97	10.79	11.06
90.2975	11.01	10.90	9.90	10.86	11.18
90.3920	11.01	10.78	9.92	10.95	11.02
90.4866	10.83	10.62	9.92	10.98	10.79
90.5811	10.84	10.57	9.74	10.80	10.75
90.6757	10.94	10.96	9.69	10.87	10.92
90.7702	11.06	10.78	9.44	11.00	11.01

90.8648	11.02	10.70	9.38	11.02	10.89
90.9594	10.97	10.72	9.29	10.94	10.72
91.0539	10.79	11.04	9.20	10.83	10.76
91.1485	10.74	10.97	9.25	10.80	10.81
91.2430	10.90	11.04	9.42	10.84	10.75
91.3376	10.96	11.08	9.32	11.08	10.64
91.4321	10.81	10.94	9.30	11.14	10.59
91.5267	10.75	10.62	9.33	10.89	10.51
91.6212	10.60	10.97	9.54	10.62	10.56
91.7158	10.62	10.83	9.47	10.48	10.68
91.8103	10.72	10.62	9.26	10.56	10.83
91.9049	10.93	10.62	9.29	10.84	10.79
91.9994	10.81	10.74	9.43	10.91	10.72
92.0940	10.77	10.76	9.33	10.69	10.62
92.1885	10.72	10.92	9.38	10.72	10.67
92.2831	10.87	10.49	9.43	10.78	10.67
92.3776	10.77	10.42	9.51	10.91	10.59
92.4722	10.75	10.09	9.64	11.01	10.45
92.5667	10.69	10.16	9.92	11.05	10.34
92.6613	10.82	10.02	10.00	11.01	10.47
92.7558	10.90	9.85	10.31	10.86	10.66
92.8504	10.82	9.61	10.32	10.84	10.66
92.9450	10.79	9.76	10.51	10.76	10.63
93.0395	10.66	9.69	10.53	10.74	10.39
93.1341	10.56	9.88	10.57	10.76	10.43
93.2286	10.85	9.68	10.39	10.64	10.60
93.3232	10.77	9.72	10.29	10.65	10.86
93.4177	10.74	9.94	10.28	10.52	10.70
93.5123	10.52	10.08	10.37	10.43	10.54
93.6068	10.49	10.13	10.30	10.41	10.48
93.7014	10.59	10.32	10.48	10.49	10.54
93.7959	10.52	10.30	10.37	10.42	10.48
93.8905	10.47	10.47	10.47	10.37	10.29
93.9850	10.43	10.46	10.51	10.34	10.21
94.0796	10.35	10.62	10.48	10.36	10.19
94.1741	10.32	10.63	10.57	10.22	10.30
94.2687	10.27	10.64	10.62	10.13	10.41
94.3632	10.26	10.55	10.64	10.17	10.37
94.4578	10.30	10.64	10.73	10.21	10.31
94.5523	10.39	10.71	10.55	10.34	10.29
94.6469	10.41	10.90	10.73	10.39	10.38
94.7414	10.42	10.69	10.59	10.34	10.29
94.8360	10.33	10.68	10.43	10.39	10.25
94.9306	10.41	10.65	10.32	10.50	10.22
95.0251	10.43	10.89	10.23	10.62	10.13
95.1197	10.47	10.62	10.18	10.59	10.12
95.2142	10.49	10.42	10.23	10.49	10.35
95.3088	10.49	10.39	10.18	10.50	10.40
95.4033	10.48	10.41	10.11	10.59	10.47
95.4979	10.56	10.39	10.08	10.75	10.49
95.5924	10.55	10.61	10.23	10.67	10.56
95.6870	10.69	10.39	10.17	10.48	10.52
95.7815	10.59	10.45	10.22	10.54	10.43
95.8761	10.44	10.44	10.07	10.72	10.18
95.9706	10.42	10.43	9.91	10.92	10.03
96.0652	10.57	10.42	9.95	10.94	9.99
96.1597	10.62	10.44	10.09	10.83	10.23
96.2543	10.59	9.94	9.91	10.62	10.48
96.3488	10.61	10.28	9.80	10.48	10.50
96.4434	10.31	10.50	9.86	10.21	10.41
96.5379	10.28	10.66	10.09	10.15	10.20

96.6325	10.05	10.53	10.13	10.02	10.22
96.7270	10.11	10.67	10.13	9.90	10.16
96.8216	9.98	10.51	9.95	9.95	9.97
96.9162	9.82	10.48	10.03	9.96	9.86
97.0107	9.91	10.41	10.00	9.88	9.86
97.1053	9.88	10.36	9.98	10.00	9.80
97.1998	9.93	9.81	9.84	10.04	9.68
97.2944	9.87	9.65	9.84	10.07	9.63
97.3889	9.96	9.76	9.80	10.12	9.72
97.4835	10.12	9.80	9.84	10.27	9.90
97.5780	10.25	9.33	9.77	10.29	10.00
97.6726	10.20	9.08	9.97	10.33	9.99
97.7671	10.22	8.93	9.99	10.40	9.88
97.8617	10.19	8.92	9.86	10.33	10.01
97.9562	10.29	8.63	9.95	10.33	10.22
98.0508	10.42	8.44	10.12	10.38	10.38
98.1453	10.33	8.07	9.94	10.31	10.40
98.2399	10.43	8.02	10.00	10.45	10.43
98.3344	10.48	8.06	10.03	10.56	10.49
98.4290	10.58	8.05	10.18	10.66	10.43
98.5235	10.66	7.92	10.19	10.89	10.42
98.6181	10.79	7.89	10.29	10.96	10.41
98.7126	10.83	7.82	10.32	11.02	10.49
98.8072	10.90	7.96	10.44	11.10	10.53
98.9018	10.81	8.05	10.34	11.19	10.52
98.9963	10.89	8.12	10.39	11.00	10.48
99.0909	10.89	7.92	10.46	10.91	10.57
99.1854	10.74	8.14	10.50	10.84	10.71
99.2800	10.76	8.26	10.51	10.79	10.85
99.3745	10.86	8.57	10.47	10.70	10.93
99.4691	10.91	8.43	10.50	10.73	11.08
99.5636	10.93	8.54	10.71	10.78	11.10
99.6582	11.12	8.46	10.86	10.77	11.07
99.7527	10.90	8.58	10.74	10.76	11.22
99.8473	10.84	8.58	10.64	10.71	10.98
99.9418	10.91	8.53	10.80	10.83	10.97
100.0364	11.03	8.59	10.77	10.91	10.83
100.1309	11.04	8.78	10.68	10.98	10.89
100.2255	10.98	8.63	10.52	11.04	10.94
100.3200	10.92	8.83	10.68	10.90	10.85
100.4146	10.92	8.76	10.75	10.87	10.86
100.5091	10.96	8.66	10.84	10.95	10.77
100.6037	10.95	8.18	10.84	10.87	10.82
100.6982	10.93	8.22	10.83	10.84	10.81
100.7928	10.65	8.12	10.78	10.65	10.66
100.8874	10.46	8.37	10.86	10.64	10.55
100.9819	10.70	7.99	10.81	10.53	10.56
101.0765	10.71	8.17	10.71	10.52	10.68
101.1710	10.62	8.27	10.63	10.41	10.63
101.2656	10.45	8.68	10.73	10.42	10.56
101.3601	10.31	8.62	10.70	10.36	10.38
101.4547	10.34	8.80	10.64	10.32	10.27
101.5492	10.37	8.93	10.64	10.32	10.28
101.6438	10.40	9.11	10.76	10.33	10.28
101.7383	10.17	9.06	10.79	10.20	10.10
101.8329	9.88	9.45	10.86	10.11	9.80
101.9274	9.85	9.47	10.72	10.10	9.64
102.0220	9.97	9.46	10.57	10.16	9.86
102.1165	10.19	9.68	10.73	10.09	10.01
102.2111	10.08	10.13	10.53	10.05	9.95
102.3056	9.89	10.16	10.34	10.02	9.83

102.4002	9.98	10.38	10.27	10.17	9.78
102.4947	10.05	10.37	10.19	10.15	9.78
102.5893	10.06	10.56	10.22	10.03	9.77
102.6838	9.93	10.69	10.00	10.07	9.78
102.7784	9.87	10.83	9.93	10.01	9.55
102.8729	9.74	10.70	9.86	10.11	9.47
102.9675	9.91	10.70	9.98	10.13	9.55
103.0621	10.06	10.76	9.96	10.18	9.69
103.1566	10.06	10.90	10.11	10.16	9.73
103.2512	9.91	10.72	10.04	10.10	9.85
103.3457	9.96	10.71	10.23	9.93	9.88
103.4403	10.11	10.63	10.29	10.02	9.96
103.5348	10.24	10.77	10.38	10.12	10.12
103.6294	10.21	10.68	10.26	10.22	10.03
103.7239	9.96	10.76	10.33	10.27	9.79
103.8185	9.95	10.91	10.33	10.04	9.74
103.9130	9.96	10.92	10.30	9.98	9.78
104.0076	10.08	11.07	10.24	10.07	9.98
104.1021	10.21	11.16	10.35	10.24	10.08
104.1967	10.22	11.02	10.43	10.43	10.00
104.2912	10.14	11.23	10.60	10.37	9.81
104.3858	10.10	11.12	10.70	10.40	9.81
104.4803	10.20	11.00	10.91	10.27	10.02
104.5749	10.18	10.93	10.73	10.09	10.25
104.6694	10.06	10.93	10.89	10.12	10.09
104.7640	10.03	10.84	10.83	10.11	9.92
104.8585	10.09	11.14	10.77	10.06	10.05
104.9531	10.21	10.62	10.71	10.00	10.27
105.0477	10.16	10.76	10.77	10.11	10.39
105.1422	10.39	10.84	10.59	10.15	10.35
105.2368	10.40	10.89	10.65	10.32	10.45
105.3313	10.40	10.55	10.41	10.30	10.45
105.4259	10.44	10.61	10.38	10.35	10.39
105.5204	10.53	10.37	10.32	10.39	10.37
105.6150	10.50	10.20	10.35	10.52	10.32
105.7095	10.39	10.15	10.34	10.45	10.28
105.8041	10.54	10.42	10.43	10.46	10.31
105.8986	10.65	10.04	10.33	10.48	10.69
105.9932	10.81	10.11	10.43	10.63	10.82
106.0877	10.81	10.23	10.32	10.72	10.84
106.1823	10.83	10.40	10.32	10.73	10.75
106.2768	10.81	10.19	10.17	10.76	10.78
106.3714	10.84	10.05	9.97	10.74	10.78
106.4659	10.84	9.65	9.85	10.70	10.85
106.5605	10.84	9.89	9.92	10.86	10.79
106.6550	10.81	9.61	9.82	10.95	10.56
106.7496	10.87	9.51	9.76	11.02	10.51
106.8441	11.06	9.38	9.66	11.00	10.83
106.9387	11.05	9.44	9.68	10.91	10.99
107.0333	10.90	9.39	9.78	11.04	10.95
107.1278	11.07	9.46	9.73	11.22	10.89
107.2224	11.06	9.25	9.61	11.27	10.88
107.3169	11.00	9.42	9.39	11.09	10.68
107.4115	10.89	9.24	9.25	10.92	10.73
107.5060	10.84	9.09	9.35	10.93	10.84
107.6006	10.89	9.05	9.21	10.93	10.92
107.6951	11.13	9.32	9.04	11.08	10.94
107.7897	11.10	9.06	8.91	11.13	10.92
107.8842	11.18	9.03	8.93	11.05	11.13
107.9788	11.25	9.16	9.03	11.04	11.34
108.0733	11.21	9.27	9.08	10.91	11.44

108.1679	11.21	9.20	8.93	10.99	11.27
108.2624	11.14	9.34	8.94	11.11	11.01
108.3570	11.05	9.37	8.82	11.10	10.89
108.4515	11.02	9.51	8.99	10.96	10.82
108.5461	10.77	9.58	9.09	11.03	10.59
108.6406	10.87	9.69	9.17	11.06	10.60
108.7352	10.98	10.04	9.00	11.08	10.83
108.8297	10.96	10.13	9.17	11.00	10.91
108.9243	11.16	9.88	9.47	11.09	10.92
109.0189	11.04	10.24	9.58	11.27	10.89
109.1134	11.03	10.19	9.33	11.19	10.93
109.2080	11.05	10.33	9.31	11.23	10.90
109.3025	11.08	10.09	9.22	11.18	10.98
109.3971	11.22	10.16	9.32	11.12	11.03
109.4916	11.10	10.19	9.43	11.10	10.92
109.5862	10.96	10.36	9.29	11.21	10.78
109.6807	10.96	10.38	9.38	11.16	10.73
109.7753	10.95	10.33	9.58	11.13	10.73
109.8698	11.03	10.09	9.77	11.12	10.83
109.9644	11.10	10.15	9.96	11.20	10.95
110.0589	11.02	10.05	9.82	11.28	10.88
110.1535	11.16	9.94	9.76	11.54	10.73
110.2480	11.21	9.75	9.57	11.56	10.78
110.3426	11.15	9.70	9.52	11.35	10.87
110.4371	11.03	9.70	9.45	11.23	10.85
110.5317	10.93	10.01	9.38	11.14	10.72
110.6262	10.98	9.85	9.14	11.08	10.58
110.7208	11.04	10.06	9.23	11.23	10.68
110.8153	11.07	9.98	9.38	11.12	10.88
110.9099	10.97	10.25	9.42	10.73	10.92
111.0045	10.72	10.15	9.26	10.68	10.96
111.0990	10.68	10.27	9.25	10.65	10.70
111.1936	10.62	10.12	9.35	10.50	10.63
111.2881	10.66	10.10	9.33	10.50	10.65
111.3827	10.70	10.09	9.43	10.38	10.85
111.4772	10.58	10.44	9.59	10.43	10.74
111.5718	10.52	10.25	9.74	10.43	10.40
111.6663	10.44	10.42	9.85	10.46	10.15
111.7609	10.28	10.55	9.87	10.51	10.10
111.8554	10.56	10.86	10.18	10.48	10.28
111.9500	10.38	10.66	10.08	10.31	10.41
112.0445	10.22	10.63	10.08	10.22	10.19
112.1391	10.14	10.54	9.97	10.18	10.01
112.2336	10.07	10.46	10.08	9.96	10.02
112.3282	10.10	10.13	10.14	9.99	10.07
112.4227	10.10	10.14	10.35	10.04	10.24
112.5173	10.26	10.14	10.25	10.12	10.27
112.6118	10.45	10.05	10.43	10.26	10.33
112.7064	10.34	10.04	10.41	10.21	10.35
112.8009	10.40	10.13	10.46	10.14	10.39
112.8955	10.44	10.12	10.35	10.26	10.42
112.9901	10.28	10.26	10.34	10.25	10.35
113.0846	10.25	10.29	10.19	10.40	9.99
113.1792	10.29	10.33	10.37	10.48	9.78
113.2737	10.32	10.36	10.25	10.51	10.00
113.3683	10.33	10.55	10.34	10.40	10.18
113.4628	10.17	10.54	10.22	10.23	10.18
113.5574	10.30	10.65	10.45	10.30	10.04
113.6519	10.20	10.40	10.29	10.39	9.91
113.7465	10.28	10.52	10.30	10.57	9.94
113.8410	10.38	10.70	10.27	10.58	10.08

113.9356	10.32	10.73	10.32	10.36	10.23
114.0301	10.24	10.67	10.23	10.09	10.16
114.1247	10.14	11.05	10.27	10.19	10.10
114.2192	10.14	11.08	10.34	10.25	10.08
114.3138	10.30	11.10	10.35	10.38	10.09
114.4083	10.33	11.26	10.32	10.48	10.19
114.5029	10.36	11.46	10.56	10.41	10.28
114.5974	10.39	11.28	10.36	10.43	10.21
114.6920	10.40	11.23	10.34	10.45	10.18
114.7865	10.33	11.06	10.33	10.50	10.24
114.8811	10.54	11.13	10.48	10.53	10.31
114.9756	10.51	10.88	10.47	10.48	10.42
115.0702	10.47	10.53	10.51	10.46	10.40
115.1648	10.46	10.43	10.46	10.50	10.40
115.2593	10.53	10.44	10.64	10.55	10.62
115.3539	10.63	10.29	10.71	10.52	10.68
115.4484	10.66	10.17	10.73	10.62	10.72
115.5430	10.68	9.93	10.62	10.50	10.69
115.6375	10.62	9.93	10.66	10.63	10.63
115.7321	10.82	9.88	10.75	10.58	10.85
115.8266	10.84	9.75	10.82	10.69	10.87
115.9212	10.80	9.40	10.79	10.71	10.59
116.0157	10.57	9.58	10.62	10.77	10.24
116.1103	10.44	9.26	10.45	10.61	10.27
116.2048	10.51	9.38	10.76	10.52	10.35
116.2994	10.45	9.23	10.74	10.53	10.49
116.3939	10.52	9.24	10.54	10.26	10.46
116.4885	10.28	9.09	10.51	10.20	10.45
116.5830	10.26	9.23	10.48	10.18	10.33
116.6776	10.26	9.20	10.33	10.18	10.20
116.7721	10.14	9.08	10.30	10.06	10.10
116.8667	10.04	8.80	10.16	10.06	10.05
116.9612	10.12	8.95	10.30	10.01	10.10
117.0558	10.10	8.69	10.22	9.94	10.02
117.1504	10.07	8.66	10.22	10.01	10.16
117.2449	10.39	8.44	10.39	10.37	10.23
117.3395	10.47	8.33	10.57	10.60	10.37
117.4340	10.60	8.35	10.44	10.57	10.38
117.5286	10.40	8.31	10.33	10.48	10.29
117.6231	10.30	8.13	10.28	10.40	10.24
117.7177	10.35	8.31	10.44	10.31	10.25
117.8122	10.33	8.11	10.25	10.29	10.24
117.9068	10.31	8.13	10.19	10.39	10.14
118.0013	10.37	8.01	10.23	10.45	10.14
118.0959	10.45	8.11	10.33	10.54	10.38
118.1904	10.65	7.93	10.41	10.67	10.59
118.2850	10.78	8.08	10.52	10.83	10.57
118.3795	10.81	8.00	10.60	10.91	10.44
118.4741	10.72	8.20	10.68	11.07	10.39
118.5686	10.79	8.22	10.47	11.11	10.34
118.6632	10.72	8.33	10.56	10.88	10.40
118.7577	10.65	8.12	10.68	10.83	10.42
118.8523	10.56	8.39	10.75	10.79	10.23
118.9468	10.48	8.48	10.57	10.77	10.08
119.0414	10.61	8.62	10.67	10.81	10.27
119.1360	10.61	8.74	10.62	10.62	10.53
119.2305	10.59	8.94	10.57	10.50	10.72
119.3251	10.63	9.18	10.36	10.41	10.73
119.4196	10.49	9.39	10.40	10.44	10.62
119.5142	10.39	9.28	10.40	10.24	10.50
119.6087	10.35	9.60	10.36	10.23	10.45

119.7033	10.31	9.47	10.28	10.31	10.29
119.7978	10.19	9.45	10.21	10.39	10.03
119.8924	10.22	9.46	10.22	10.35	9.82
119.9869	10.14	9.72	10.25	10.48	9.89
120.0815	10.33	9.62	10.12	10.51	9.99
120.1760	10.26	9.73	10.19	10.47	10.04
120.2706	10.33	9.59	10.19	10.47	10.17
120.3651	10.44	9.69	10.26	10.46	10.31
120.4597	10.34	9.69	10.36	10.30	10.39
120.5542	10.39	9.65	10.33	10.28	10.38
120.6488	10.33	9.30	10.11	10.27	10.41
120.7433	10.37	9.30	10.33	10.37	10.38
120.8379	10.41	9.25	10.19	10.52	10.28
120.9324	10.31	9.38	10.15	10.57	10.18
121.0270	10.38	9.25	10.05	10.56	10.12
121.1216	10.50	9.37	10.06	10.59	10.24
121.2161	10.53	9.43	10.06	10.63	10.39
121.3107	10.56	9.79	10.05	10.68	10.35
121.4052	10.44	9.78	10.11	10.67	10.04
121.4998	10.28	9.88	10.28	10.70	10.01
121.5943	10.53	9.73	10.12	10.70	10.16
121.6889	10.44	9.67	10.13	10.56	10.30
121.7834	10.50	9.73	10.20	10.53	10.22
121.8780	10.39	9.81	10.24	10.59	10.04
121.9725	10.27	9.76	10.06	10.53	10.06
122.0671	10.31	9.90	10.08	10.34	10.28
122.1616	10.45	9.89	10.00	10.22	10.38
122.2562	10.30	10.09	9.97	10.08	10.41
122.3507	10.27	10.06	9.77	10.05	10.22
122.4453	10.17	10.11	9.88	10.17	10.10
122.5398	10.15	9.85	9.77	10.11	10.27
122.6344	10.28	9.93	9.92	10.04	10.52
122.7289	10.45	9.94	9.99	10.22	10.62
122.8235	10.43	10.15	10.09	10.25	10.42
122.9180	10.43	9.94	10.22	10.34	10.31
123.0126	10.44	9.84	10.38	10.41	10.37
123.1072	10.51	9.86	10.37	10.26	10.63
123.2017	10.61	9.96	10.37	10.38	10.83
123.2963	10.71	9.66	10.40	10.42	10.67
123.3908	10.60	9.64	10.44	10.49	10.49
123.4854	10.62	9.63	10.37	10.58	10.56
123.5799	10.68	9.59	10.45	10.46	10.80
123.6745	10.58	9.64	10.39	10.44	10.83
123.7690	10.79	9.91	10.54	10.56	10.67
123.8636	10.66	9.78	10.63	10.62	10.67
123.9581	10.69	10.01	10.69	10.67	10.76
124.0527	10.85	9.93	10.69	10.58	10.78
124.1472	10.75	10.15	10.84	10.63	10.90
124.2418	10.88	10.05	10.80	10.75	10.89
124.3363	10.78	10.23	10.87	10.90	10.56
124.4309	10.71	10.19	10.77	10.76	10.41
124.5254	10.66	10.21	10.93	10.74	10.53
124.6200	10.74	10.40	10.86	10.77	10.67
124.7145	10.73	10.80	10.82	10.88	10.43
124.8091	10.57	10.66	10.77	10.93	10.06
124.9036	10.44	10.96	10.82	10.90	9.96
124.9982	10.55	11.11	10.51	10.82	10.14
125.0928	10.66	11.25	10.49	10.69	10.42
125.1873	10.62	11.09	10.31	10.60	10.51
125.2819	10.54	11.19	10.18	10.61	10.34
125.3764	10.57	11.09	10.09	10.74	10.24

125.4710	10.67	11.16	10.07	10.90	10.40
125.5655	10.65	11.04	9.92	10.74	10.37
125.6601	10.51	11.19	10.02	10.71	10.37
125.7546	10.55	11.06	10.00	10.65	10.31
125.8492	10.52	11.22	9.88	10.64	10.31
125.9437	10.64	11.02	9.86	10.68	10.44
126.0383	10.65	10.78	9.74	10.74	10.54
126.1328	10.66	10.70	9.63	10.75	10.37
126.2274	10.50	10.73	9.50	10.65	10.32
126.3219	10.45	10.45	9.40	10.56	10.33
126.4165	10.57	10.49	9.44	10.46	10.37
126.5110	10.51	10.35	9.21	10.59	10.39
126.6056	10.46	10.65	9.18	10.51	10.28
126.7001	10.35	10.61	9.25	10.47	10.14
126.7947	10.34	10.59	9.29	10.41	10.17
126.8892	10.50	10.39	9.12	10.37	10.31
126.9838	10.40	10.62	9.04	10.46	10.52
127.0783	10.50	10.64	9.18	10.31	10.58
127.1729	10.42	10.50	9.29	10.25	10.55
127.2675	10.25	10.43	9.17	10.22	10.34
127.3620	10.36	10.75	9.21	10.30	10.40
127.4566	10.47	10.64	9.20	10.44	10.36
127.5511	10.36	10.65	9.19	10.52	10.28
127.6457	10.43	10.74	9.15	10.41	10.24
127.7402	10.40	10.70	9.23	10.48	10.31
127.8348	10.54	10.60	9.10	10.57	10.34
127.9293	10.59	10.69	9.14	10.56	10.44
128.0239	10.59	10.53	9.06	10.65	10.52
128.1184	10.71	10.72	9.10	10.58	10.59
128.2130	10.60	10.44	9.13	10.50	10.70
128.3075	10.78	10.54	9.01	10.68	10.75
128.4021	10.81	10.55	9.04	10.76	10.85
128.4966	10.91	10.48	9.22	10.85	10.83
128.5912	10.85	10.27	9.30	10.84	10.93
128.6857	10.86	10.24	9.33	10.75	10.96
128.7803	11.06	10.03	9.31	10.86	11.00
128.8748	11.22	10.01	9.43	11.21	11.04
128.9694	11.29	9.65	9.50	11.31	10.98
129.0639	11.09	9.51	9.54	11.31	10.98
129.1585	11.08	9.32	9.44	11.18	10.86
129.2531	11.08	9.28	9.52	11.22	10.90
129.3476	11.25	9.18	9.51	11.23	11.04
129.4422	11.29	9.20	9.60	11.31	11.18
129.5367	11.29	9.13	9.57	11.35	11.12
129.6313	11.25	9.29	9.65	11.30	11.14
129.7258	11.13	9.09	9.76	11.30	11.00
129.8204	11.20	9.25	9.90	11.35	11.02
129.9149	11.24	9.12	9.85	11.27	11.21
130.0095	11.26	9.12	9.98	11.28	11.17
130.1040	11.09	9.24	10.13	11.35	11.02
130.1986	11.17	9.32	10.09	11.32	10.75
130.2931	11.20	9.18	9.87	11.46	10.89
130.3877	11.27	9.32	9.92	11.37	11.10
130.4822	11.29	9.30	9.97	11.37	11.11
130.5768	11.24	9.19	9.99	11.26	11.03
130.6713	11.17	9.12	9.70	11.13	11.10
130.7659	11.27	9.12	9.87	11.13	11.19
130.8604	11.18	8.97	9.89	11.08	11.29
130.9550	11.09	9.05	10.17	10.83	11.34
131.0495	11.03	9.08	10.17	10.56	11.33
131.1441	10.96	9.07	10.05	10.66	10.97

131.2387	10.87	9.00	9.96	10.86	10.76
131.3332	10.85	9.22	9.93	10.96	10.67
131.4278	10.86	9.14	10.00	10.97	10.60
131.5223	10.83	9.31	9.99	10.94	10.56
131.6169	10.67	9.37	9.77	10.84	10.44
131.7114	10.66	9.35	9.87	10.74	10.42
131.8060	10.66	9.39	9.94	10.68	10.47
131.9005	10.64	9.62	9.99	10.59	10.63
131.9951	10.74	9.56	9.92	10.59	10.61
132.0896	10.53	9.70	9.86	10.50	10.52
132.1842	10.51	9.66	9.74	10.49	10.40
132.2787	10.52	9.74	9.89	10.47	10.37
132.3733	10.31	9.80	9.91	10.42	10.34
132.4678	10.45	9.96	10.18	10.53	10.26
132.5624	10.37	9.78	9.96	10.64	10.11
132.6569	10.34	9.97	10.05	10.58	9.94
132.7515	10.20	9.94	10.31	10.31	9.92
132.8460	10.07	10.16	10.32	10.31	9.94
132.9406	10.17	10.05	10.18	10.44	10.01
133.0351	10.27	10.40	10.14	10.63	9.90
133.1297	10.23	10.36	10.07	10.56	9.78
133.2243	10.23	10.66	10.06	10.47	9.80
133.3188	10.13	10.57	10.07	10.29	9.94
133.4134	10.10	10.57	10.08	10.15	10.03
133.5079	10.14	10.57	10.03	10.05	10.13
133.6025	10.16	10.76	10.11	10.08	10.02
133.6970	10.08	10.61	10.32	10.03	10.00
133.7916	9.93	10.72	10.37	9.94	10.09
133.8861	10.01	10.75	10.40	9.90	9.94
133.9807	10.13	10.97	10.47	10.04	10.03
134.0752	10.13	10.97	10.51	10.04	10.07
134.1698	10.16	11.10	10.52	10.02	10.08
134.2643	10.06	11.00	10.55	10.06	10.10
134.3589	10.04	11.17	10.74	10.13	10.05
134.4534	10.18	11.19	10.62	10.14	9.98
134.5480	10.12	11.27	10.73	10.02	9.87
134.6425	9.91	11.05	10.93	9.92	9.80
134.7371	9.84	11.09	11.06	9.84	9.91
134.8316	9.85	11.01	11.14	9.82	10.08
134.9262	10.03	10.93	11.28	9.97	10.03
135.0207	10.13	10.68	11.16	10.03	10.05
135.1153	10.12	10.64	11.23	9.92	10.12
135.2099	10.06	10.47	11.18	9.84	10.27
135.3044	9.97	10.34	11.13	9.72	10.18
135.3990	9.84	10.11	11.07	9.76	10.19
135.4935	10.11	10.17	11.06	9.93	10.04
135.5881	10.09	9.99	10.87	10.11	9.96
135.6826	10.21	9.78	10.78	10.12	9.96
135.7772	10.10	9.72	10.93	10.20	10.06
135.8717	10.05	9.68	10.92	10.19	9.99
135.9663	10.25	9.41	10.75	10.36	9.79
136.0608	10.18	9.46	10.72	10.55	9.65
136.1554	10.19	9.11	10.81	10.56	9.57
136.2499	10.04	9.02	11.00	10.45	9.74
136.3445	10.12	9.18	10.76	10.30	9.90
136.4390	10.18	9.06	10.67	10.32	10.07
136.5336	10.33	8.68	10.59	10.33	10.07
136.6281	10.28	8.85	10.63	10.33	9.92
136.7227	10.12	8.95	10.44	10.39	9.94
136.8172	10.23	9.04	10.52	10.27	10.08
136.9118	10.30	8.86	10.40	10.23	10.15

137.0063	10.26	9.02	10.48	10.30	10.01
137.1009	10.28	9.03	10.44	10.45	9.89
137.1955	10.27	9.08	10.58	10.57	9.98
137.2900	10.38	8.95	10.57	10.54	10.21
137.3846	10.45	8.95	10.62	10.52	10.25
137.4791	10.27	8.73	10.59	10.30	10.25
137.5737	10.36	8.85	10.69	10.36	10.19
137.6682	10.48	8.66	10.59	10.41	10.33
137.7628	10.38	8.81	10.70	10.45	10.43
137.8573	10.53	8.62	10.71	10.40	10.44
137.9519	10.52	8.68	10.69	10.48	10.43
138.0464	10.46	8.38	10.53	10.44	10.50
138.1410	10.56	8.64	10.55	10.56	10.61
138.2355	10.69	8.53	10.49	10.61	10.96
138.3301	10.89	8.52	10.46	10.45	11.08
138.4246	10.91	8.16	10.26	10.60	10.93
138.5192	10.89	8.42	10.22	10.83	10.88
138.6137	10.96	8.40	10.12	10.82	10.93
138.7083	10.99	8.52	10.17	10.86	11.07
138.8028	10.89	8.50	10.22	10.76	11.02
138.8974	10.84	8.53	10.11	10.61	10.82
138.9919	10.72	8.61	10.01	10.63	10.74
139.0865	10.78	8.95	10.09	10.87	10.66
139.1810	10.74	8.86	10.00	10.96	10.77
139.2756	10.76	8.88	10.02	10.72	10.87
139.3702	10.72	9.06	9.71	10.56	10.85
139.4647	10.65	9.24	9.79	10.62	10.70
139.5593	10.77	9.21	9.80	10.79	10.71
139.6538	10.95	9.37	9.92	10.96	10.78
139.7484	10.86	9.53	9.94	10.88	10.75
139.8429	10.71	9.58	10.06	10.78	10.59
139.9375	10.71	9.21	9.99	10.73	10.53
140.0320	10.73	9.42	10.14	10.65	10.60
140.1266	10.64	9.55	10.17	10.72	10.75
140.2211	10.79	9.39	10.08	10.73	10.85
140.3157	10.75	9.36	10.11	10.79	10.86
140.4102	10.78	9.39	10.16	10.78	10.64
140.5048	10.66	9.39	9.93	10.82	10.52
140.5993	10.70	9.55	10.07	10.91	10.44
140.6939	10.76	9.49	10.11	11.02	10.51
140.7884	10.77	9.33	9.96	10.93	10.49
140.8830	10.79	9.00	9.64	10.88	10.42
140.9775	10.79	9.04	9.90	10.94	10.32
141.0721	10.72	9.06	9.83	10.93	10.39
141.1666	10.75	9.04	9.88	10.84	10.63
141.2612	10.77	8.85	9.83	10.77	10.64
141.3558	10.55	8.99	9.91	10.71	10.44
141.4503	10.55	9.12	9.90	10.64	10.11
141.5449	10.44	9.27	10.06	10.61	10.26
141.6394	10.38	9.22	10.14	10.51	10.31
141.7340	10.37	9.34	10.14	10.47	10.17
141.8285	10.21	9.21	10.09	10.30	10.03
141.9231	10.20	9.28	10.14	10.41	9.81
142.0176	10.26	9.56	10.20	10.47	9.90
142.1122	10.29	9.95	10.06	10.46	10.06
142.2067	10.28	9.60	9.94	10.35	10.18
142.3013	10.32	9.80	9.92	10.14	10.23
142.3958	10.23	10.13	9.95	10.07	10.18
142.4904	10.06	10.52	10.02	10.17	10.07
142.5849	10.11	10.25	9.94	10.18	10.06
142.6795	10.24	10.21	10.10	10.25	10.13

142.7740	10.23	10.28	10.08	10.26	10.12
142.8686	10.30	10.44	10.07	10.24	10.05
142.9631	10.22	10.17	10.19	10.14	10.01
143.0577	10.12	10.39	10.20	10.28	10.05
143.1522	10.25	10.30	10.17	10.34	10.19
143.2468	10.42	10.54	10.24	10.45	10.38
143.3414	10.72	10.65	10.18	10.53	10.60
143.4359	10.80	10.98	10.18	10.59	10.68
143.5305	10.65	10.88	10.05	10.65	10.67
143.6250	10.67	11.00	10.01	10.71	10.54
143.7196	10.66	11.03	10.10	10.76	10.43
143.8141	10.64	11.11	10.14	10.81	10.32
143.9087	10.72	10.93	9.99	10.80	10.34
144.0032	10.55	11.18	10.04	10.70	10.40
144.0978	10.61	11.24	10.06	10.74	10.42
144.1923	10.73	11.35	10.35	10.77	10.44
144.2869	10.67	11.38	10.36	10.79	10.47
144.3814	10.76	11.49	10.27	10.77	10.40
144.4760	10.51	11.63	10.28	10.80	10.37
144.5705	10.57	11.73	10.41	10.74	10.46
144.6651	10.63	11.52	10.22	10.84	10.42
144.7596	10.66	11.58	10.03	10.76	10.30
144.8542	10.56	11.74	9.83	10.58	10.22
144.9487	10.35	11.73	9.74	10.42	10.25
145.0433	10.27	11.76	9.58	10.37	10.39
145.1378	10.49	11.83	9.69	10.26	10.45
145.2324	10.45	11.51	9.60	10.35	10.47
145.3270	10.52	11.31	9.70	10.48	10.61
145.4215	10.57	11.35	9.56	10.38	10.65
145.5161	10.38	11.17	9.80	10.41	10.67
145.6106	10.56	10.87	9.82	10.43	10.51
145.7052	10.60	10.55	9.83	10.43	10.55
145.7997	10.60	10.75	9.65	10.48	10.60
145.8943	10.61	10.88	9.53	10.43	10.66
145.9888	10.58	10.71	9.48	10.45	10.63
146.0834	10.71	10.53	9.54	10.63	10.62
146.1779	10.93	10.67	9.39	10.79	10.71
146.2725	10.96	10.65	9.56	10.86	10.92
146.3670	10.89	10.36	9.51	10.60	11.03
146.4616	10.78	10.32	9.60	10.55	11.11
146.5561	10.84	10.19	9.64	10.55	11.08
146.6507	10.88	9.88	9.75	10.53	11.05
146.7452	10.84	10.00	9.60	10.52	10.86
146.8398	10.69	10.07	9.71	10.62	10.76
146.9343	10.65	10.00	9.60	10.47	10.84
147.0289	10.71	10.02	9.73	10.54	11.02
147.1234	10.85	10.07	9.72	10.75	10.82
147.2180	10.98	10.14	9.67	10.96	10.57
147.3126	10.88	10.18	9.57	11.11	10.52
147.4071	10.92	10.09	9.53	11.16	10.57
147.5017	10.91	10.11	9.52	11.20	10.62
147.5962	10.93	9.97	9.52	11.30	10.46
147.6908	10.92	9.84	9.53	11.21	10.35
147.7853	10.83	9.91	9.60	11.25	10.34
147.8799	10.90	9.73	9.65	11.17	10.40
147.9744	10.89	9.80	9.78	11.18	10.61
148.0690	10.94	9.70	9.67	11.04	10.76
148.1635	11.03	9.53	9.71	11.01	10.84
148.2581	11.05	9.41	9.71	11.08	10.91
148.3526	10.98	9.31	9.77	11.01	10.78
148.4472	10.83	9.39	9.63	11.00	10.80

148.5417	10.87	9.20	9.69	11.02	10.70
148.6363	10.86	8.99	9.65	11.14	10.63
148.7308	11.00	9.07	9.93	11.08	10.64
148.8254	11.03	9.18	9.85	11.15	10.67
148.9199	11.12	9.16	9.81	11.17	10.92
149.0145	11.11	9.14	9.98	11.34	10.95
149.1090	11.09	9.01	10.05	11.15	10.83
149.2036	11.07	9.18	10.00	11.03	10.87
149.2981	10.94	9.30	10.06	11.07	10.91
149.3927	10.92	9.42	10.01	10.77	10.91
149.4873	10.77	9.60	10.09	10.63	10.96
149.5818	10.75	9.48	9.95	10.59	10.85
149.6764	10.64	9.61	10.12	10.53	10.72
149.7709	10.60	9.86	10.03	10.50	10.74
149.8655	10.65	9.90	9.98	10.49	10.72
149.9600	10.72	9.92	9.91	10.62	10.80
150.0546	10.84	9.80	10.00	10.76	10.84
150.1491	10.91	9.78	9.98	10.74	10.75
150.2437	10.65	10.01	9.93	10.77	10.55
150.3382	10.60	9.84	9.80	10.79	10.29
150.4328	10.52	9.77	9.82	10.72	10.39
150.5273	10.57	9.71	9.68	10.49	10.40
150.6219	10.50	9.76	9.64	10.37	10.37
150.7164	10.38	9.87	9.75	10.34	10.38
150.8110	10.34	9.85	9.66	10.34	10.42
150.9055	10.36	9.90	9.43	10.31	10.43
151.0001	10.39	9.84	9.56	10.34	10.50
151.0946	10.49	9.75	9.52	10.35	10.39
151.1892	10.40	9.79	9.46	10.33	10.34
151.2837	10.38	9.76	9.22	10.41	10.28
151.3783	10.46	9.78	9.25	10.68	10.29
151.4729	10.50	9.65	9.26	10.58	10.30
151.5674	10.45	9.53	9.42	10.49	10.31
151.6620	10.51	9.60	9.61	10.45	10.29
151.7565	10.46	9.83	9.73	10.55	10.32
151.8511	10.53	9.71	9.77	10.66	10.26
151.9456	10.41	9.59	9.98	10.67	10.28
152.0402	10.41	9.53	10.11	10.50	10.29
152.1347	10.45	9.72	10.09	10.47	10.19
152.2293	10.17	9.58	9.96	10.37	10.03
152.3238	10.08	9.62	9.83	10.35	9.86
152.4184	10.08	9.62	9.87	10.29	9.98
152.5129	10.20	9.42	10.07	10.21	10.02
152.6075	10.34	9.55	10.05	10.38	10.09
152.7020	10.25	9.79	10.15	10.42	9.99
152.7966	10.24	9.81	10.27	10.39	10.06
152.8911	10.24	9.79	10.54	10.46	10.07
152.9857	10.28	9.73	10.58	10.29	9.98
153.0802	10.19	9.88	10.72	10.30	9.99
153.1748	10.28	9.97	10.93	10.34	9.95
153.2693	10.13	9.88	10.93	10.22	10.13
153.3639	10.15	9.79	10.88	10.20	10.12
153.4585	10.31	9.66	11.14	10.30	10.30
153.5530	10.49	9.46	11.28	10.31	10.40
153.6476	10.56	9.53	11.23	10.49	10.48
153.7421	10.55	9.68	11.24	10.70	10.47
153.8367	10.60	9.72	11.36	10.55	10.49
153.9312	10.62	9.43	11.38	10.50	10.52
154.0258	10.55	9.48	11.29	10.46	10.58
154.1203	10.54	9.77	11.05	10.33	10.58
154.2149	10.48	9.83	11.10	10.41	10.44

154.3094	10.55	9.58	11.04	10.65	10.37
154.4040	10.49	9.48	11.13	10.64	10.42
154.4985	10.55	9.48	11.23	10.43	10.47
154.5931	10.51	9.59	11.23	10.30	10.60
154.6876	10.53	9.56	11.28	10.23	10.74
154.7822	10.52	9.48	11.42	10.43	10.65
154.8767	10.59	9.43	11.24	10.53	10.50
154.9713	10.42	9.34	11.09	10.46	10.35
155.0658	10.37	9.39	10.95	10.40	10.19
155.1604	10.30	9.58	10.92	10.31	10.17
155.2549	10.34	9.59	10.77	10.33	10.17
155.3495	10.31	9.37	10.72	10.41	10.06
155.4441	10.16	9.48	10.72	10.47	9.87
155.5386	10.31	9.65	10.85	10.52	9.89
155.6332	10.27	9.86	10.78	10.41	9.98
155.7277	10.17	9.91	10.91	10.38	9.97
155.8223	10.23	9.58	10.92	10.37	9.95
155.9168	10.20	9.61	10.90	10.36	10.03
156.0114	10.19	9.81	10.79	10.18	10.07
156.1059	10.03	9.70	10.88	10.04	9.93
156.2005	10.08	9.62	10.80	10.15	9.87
156.2950	10.11	9.55	10.73	10.28	9.96
156.3896	10.12	9.53	10.52	10.15	9.90
156.4841	10.14	9.77	10.55	10.09	9.91
156.5787	10.05	9.82	10.37	9.98	10.06
156.6732	9.98	9.89	10.29	9.91	10.02
156.7678	10.05	9.84	10.17	9.97	9.89
156.8623	9.92	9.70	10.38	10.01	9.72
156.9569	9.86	9.57	10.28	9.87	9.75
157.0514	9.85	9.58	10.40	9.78	9.88
157.1460	9.80	9.51	10.35	9.68	9.95
157.2405	9.92	9.38	10.47	9.87	9.84
157.3351	10.01	9.39	10.37	10.07	9.86
157.4297	10.02	9.53	10.42	10.07	9.93
157.5242	9.96	9.79	10.37	9.87	10.14
157.6188	9.94	10.09	10.37	9.78	10.09
157.7133	9.98	9.97	10.34	9.99	9.88
157.8079	10.16	9.79	10.15	10.15	9.98
157.9024	10.22	10.00	9.97	10.20	10.18
157.9970	10.28	9.98	9.85	10.12	10.33
158.0915	10.13	9.91	9.78	9.95	10.38
158.1861	10.22	9.93	9.81	9.93	10.38
158.2806	10.41	9.72	9.73	10.24	10.42
158.3752	10.40	9.86	9.84	10.47	10.45
158.4697	10.46	9.91	9.95	10.50	10.34
158.5643	10.43	9.94	10.16	10.56	10.38
158.6588	10.54	9.90	9.98	10.60	10.38
158.7534	10.49	9.84	9.99	10.72	10.39
158.8479	10.61	9.68	10.05	10.81	10.24
158.9425	10.59	9.85	10.03	10.91	10.20
159.0370	10.66	9.89	9.92	11.11	10.27
159.1316	10.84	9.74	9.94	11.24	10.29
159.2261	10.84	9.53	9.94	11.29	10.48
159.3207	11.04	9.42	9.94	11.26	10.67
159.4153	11.10	9.65	9.97	11.17	10.82
159.5098	11.07	9.54	10.09	11.11	10.87
159.6044	10.98	9.40	10.10	11.10	10.74
159.6989	10.96	9.23	10.03	11.06	10.72
159.7935	11.00	9.10	10.06	11.07	10.73
159.8880	10.89	9.34	10.20	11.03	10.69
159.9826	10.67	9.19	10.18	10.84	10.57

160.0771	10.73	9.15	10.19	10.90	10.52
160.1717	10.88	8.97	10.26	11.05	10.70
160.2662	10.97	9.00	10.31	11.10	10.87
160.3608	11.05	9.10	10.17	10.99	10.84
160.4553	10.89	9.05	10.11	10.96	10.75
160.5499	10.81	8.69	9.99	10.91	10.72
160.6444	10.96	8.57	9.96	10.73	10.83
160.7390	10.81	8.54	9.95	10.70	10.82
160.8335	10.83	8.38	9.88	10.76	10.85
160.9281	10.80	8.40	9.94	10.74	10.77
161.0226	10.66	8.36	10.08	10.67	10.79
161.1172	10.76	8.57	10.06	10.37	10.91
161.2117	10.77	8.60	9.98	10.43	11.13
161.3063	10.86	8.71	9.82	10.41	11.23
161.4008	10.88	8.84	9.91	10.55	11.13
161.4954	10.86	8.90	9.75	10.74	10.96
161.5900	10.96	8.89	9.76	10.75	10.75
161.6845	10.91	8.84	9.55	10.75	10.92
161.7791	10.94	8.93	9.48	10.91	10.88
161.8736	10.89	9.15	9.46	10.95	10.72
161.9682	10.90	9.29	9.51	11.00	10.66
162.0627	11.00	9.39	9.60	11.05	10.76
162.1573	10.97	9.50	9.48	10.90	10.83
162.2518	10.90	9.49	9.48	10.80	10.89
162.3464	10.94	9.74	9.61	10.71	11.02
162.4409	10.80	9.99	9.53	10.65	11.04
162.5355	10.92	10.13	9.60	10.65	10.95
162.6300	10.78	10.11	9.58	10.71	10.89
162.7246	10.81	10.17	9.51	10.69	10.78
162.8191	10.82	10.58	9.59	10.80	10.70
162.9137	10.79	10.88	9.82	10.87	10.60
163.0082	10.81	10.75	9.82	10.93	10.66
163.1028	10.84	10.89	9.77	10.99	10.61
163.1973	10.92	11.27	9.65	11.23	10.59
163.2919	11.01	11.35	9.75	11.28	10.61
163.3864	10.94	11.50	9.82	11.11	10.61
163.4810	10.91	11.43	9.78	11.10	10.55
163.5756	10.80	11.40	9.64	10.94	10.46
163.6701	10.55	11.35	9.74	10.76	10.38
163.7647	10.44	11.19	9.79	10.69	10.13
163.8592	10.35	11.31	9.84	10.63	10.18
163.9538	10.61	11.38	9.77	10.72	10.35
164.0483	10.75	11.30	9.87	10.57	10.62
164.1429	10.53	11.22	9.82	10.53	10.58
164.2374	10.51	11.33	9.93	10.60	10.36
164.3320	10.40	11.55	9.76	10.60	10.32
164.4265	10.52	11.64	9.78	10.58	10.18
164.5211	10.49	11.38	9.75	10.66	10.19
164.6156	10.33	11.36	9.76	10.57	9.98
164.7102	10.08	11.55	9.65	10.28	9.91
164.8047	10.05	11.68	9.84	10.17	9.89
164.8993	10.09	11.62	9.97	10.16	9.95
164.9938	10.25	11.56	10.08	10.40	9.99
165.0884	10.24	11.59	10.03	10.31	10.03
165.1829	10.18	11.52	10.21	10.20	10.09
165.2775	10.11	11.27	10.22	10.14	10.23
165.3720	10.28	11.51	10.27	10.19	10.29
165.4666	10.34	11.25	10.13	10.26	10.15
165.5612	10.22	11.23	10.09	10.31	10.12
165.6557	10.29	11.04	10.04	10.33	10.16
165.7503	10.37	11.21	10.14	10.39	10.24

165.8448	10.41	11.25	9.92	10.32	10.34
165.9394	10.60	11.20	9.99	10.54	10.40
166.0339	10.64	10.93	9.95	10.69	10.34
166.1285	10.51	10.98	9.95	10.49	10.38
166.2230	10.44	10.77	9.89	10.30	10.50
166.3176	10.35	10.80	9.85	10.35	10.45
166.4121	10.46	10.58	9.87	10.35	10.46
166.5067	10.63	10.31	9.72	10.43	10.48
166.6012	10.52	10.04	9.55	10.59	10.48
166.6958	10.61	10.18	9.65	10.68	10.32
166.7903	10.47	10.06	9.59	10.70	10.24
166.8849	10.63	10.28	9.50	10.70	10.24
166.9794	10.74	9.88	9.38	10.83	10.32
167.0740	10.74	10.12	9.45	10.83	10.40
167.1685	10.61	10.17	9.60	10.66	10.54
167.2631	10.65	10.19	9.79	10.64	10.51
167.3576	10.68	10.04	9.62	10.72	10.47
167.4522	10.68	9.74	9.84	10.66	10.43
167.5468	10.66	9.84	10.05	10.81	10.53
167.6413	10.49	9.90	10.07	10.59	10.54
167.7359	10.57	9.66	10.10	10.52	10.37
167.8304	10.38	9.73	10.19	10.56	10.42
167.9250	10.67	9.71	10.12	10.55	10.41
168.0195	10.56	9.51	10.16	10.63	10.41
168.1141	10.58	9.47	10.14	10.75	10.52
168.2086	10.61	9.63	10.06	10.55	10.66
168.3032	10.59	9.47	10.04	10.55	10.71
168.3977	10.82	9.44	10.22	10.66	10.77
168.4923	10.93	9.24	10.10	10.80	10.87
168.5868	10.85	9.44	10.14	10.89	10.85
168.6814	10.87	9.41	10.18	10.88	10.85
168.7759	10.93	9.48	10.28	10.88	10.88
168.8705	11.00	9.22	10.15	10.86	10.91
168.9650	11.10	9.15	10.31	10.90	10.92
169.0596	10.92	9.21	10.36	10.85	11.10
169.1541	11.03	9.43	10.30	10.92	11.15
169.2487	10.98	9.19	10.08	10.79	11.26
169.3432	11.03	9.29	10.07	10.80	11.22
169.4378	11.10	9.11	9.92	10.76	11.13
169.5324	11.00	9.49	9.84	10.82	11.22
169.6269	11.07	9.46	9.74	10.93	11.29
169.7215	11.06	9.55	9.65	10.96	11.09
169.8160	10.98	9.43	9.68	10.81	10.94
169.9106	11.03	9.61	9.83	10.87	10.87
170.0051	10.99	9.34	9.79	10.95	10.85
170.0997	10.87	9.50	9.75	11.05	10.75
170.1942	10.81	9.20	9.58	11.03	10.49
170.2888	10.58	9.34	9.78	10.99	10.36
170.3833	10.74	9.12	9.75	10.88	10.38
170.4779	10.69	9.14	9.68	10.95	10.48
170.5724	10.70	9.19	9.59	10.99	10.44
170.6670	10.62	9.44	9.62	11.00	10.37
170.7615	10.58	9.16	9.62	10.86	10.36
170.8561	10.62	9.13	9.69	10.78	10.28
170.9506	10.66	8.86	9.66	10.80	10.43
171.0452	10.70	8.89	9.71	10.77	10.54
171.1397	10.62	8.62	9.66	10.88	10.51
171.2343	10.80	8.78	9.80	10.87	10.43
171.3288	10.61	8.27	9.92	10.73	10.34
171.4234	10.61	8.40	10.09	10.75	10.23
171.5180	10.46	8.56	10.18	10.88	10.22

171.6125	10.47	8.61	10.38	10.71	10.18
171.7071	10.50	8.34	10.49	10.51	10.31
171.8016	10.39	8.56	10.60	10.29	10.28
171.8962	10.30	8.54	10.45	10.29	10.22
171.9907	10.27	8.65	10.42	10.19	10.25
172.0853	10.25	8.76	10.48	10.20	10.23
172.1798	10.15	8.88	10.51	10.00	10.17
172.2744	10.20	8.91	10.36	9.95	10.20
172.3689	10.13	9.01	10.56	9.87	10.19
172.4635	10.03	9.18	10.62	9.91	10.12
172.5580	10.01	9.45	10.86	9.97	10.11
172.6526	10.05	9.51	10.83	9.89	10.02
172.7471	9.97	9.52	10.95	9.85	9.97
172.8417	9.91	9.49	10.98	9.74	9.93
172.9362	9.85	9.49	11.20	9.76	10.12
173.0308	9.99	9.82	11.12	9.94	10.09
173.1253	10.07	9.82	11.18	10.05	9.99
173.2199	10.13	9.53	10.98	10.11	9.90
173.3144	10.17	9.72	10.97	10.19	9.95
173.4090	10.18	10.01	10.88	10.26	10.06
173.5035	10.22	10.21	10.92	10.35	10.05
173.5981	10.22	9.84	10.72	10.36	10.14
173.6927	10.35	9.89	10.64	10.40	10.14
173.7872	10.45	9.95	10.71	10.27	10.24
173.8818	10.28	9.87	10.64	10.31	10.30
173.9763	10.33	9.65	10.67	10.32	10.34
174.0709	10.34	9.88	10.80	10.40	10.25
174.1654	10.25	9.68	10.69	10.38	10.09
174.2600	10.36	9.87	10.69	10.33	10.20
174.3545	10.35	9.88	10.76	10.30	10.21
174.4491	10.28	10.09	10.95	10.41	10.12
174.5436	10.24	10.18	10.90	10.46	10.10
174.6382	10.28	10.18	10.81	10.47	10.10
174.7327	10.45	10.10	10.78	10.45	10.05
174.8273	10.29	10.47	10.87	10.55	10.06
174.9218	10.30	10.49	10.77	10.53	9.88
175.0164	10.08	10.66	10.75	10.52	9.67
175.1109	10.07	10.68	10.72	10.36	9.52
175.2055	9.96	10.89	10.59	10.20	9.60
175.3000	9.93	10.74	10.48	9.95	9.86
175.3946	10.06	10.97	10.66	10.02	9.97
175.4891	9.88	10.71	10.80	10.05	9.88
175.5837	9.94	10.69	10.69	9.97	9.81
175.6783	9.92	10.50	10.49	10.00	9.81
175.7728	9.97	10.68	10.69	9.86	9.90
175.8674	9.83	10.19	10.73	9.88	9.93
175.9619	9.93	10.24	10.77	9.81	9.75
176.0565	9.74	10.12	10.55	10.00	9.57
176.1510	9.97	9.92	10.51	10.15	9.44
176.2456	9.97	9.70	10.44	10.24	9.64
176.3401	10.01	9.66	10.45	10.00	9.86
176.4347	10.06	9.53	10.40	10.05	10.03
176.5292	10.08	9.41	10.39	10.14	10.10
176.6238	10.29	9.24	10.20	10.13	10.17
176.7183	10.24	9.24	10.30	10.24	10.19
176.8129	10.29	9.19	10.41	10.20	10.38
176.9074	10.32	9.33	10.46	10.18	10.37
177.0020	10.19	9.27	10.34	10.23	10.37
177.0965	10.43	9.30	10.29	10.31	10.46
177.1911	10.74	9.35	10.12	10.50	10.55
177.2856	10.78	9.42	10.38	10.61	10.81

177.3802	10.74	9.47	10.13	10.67	10.77
177.4747	10.70	9.60	10.10	10.65	10.81
177.5693	10.84	9.44	9.98	10.81	10.79
177.6639	10.95	9.60	10.05	10.81	10.81
177.7584	10.85	9.73	10.08	10.73	10.75
177.8530	10.75	9.92	10.19	10.72	10.81
177.9475	10.67	9.80	10.08	10.75	10.66
178.0421	10.64	9.84	10.05	10.81	10.54
178.1366	10.89	9.77	10.13	10.84	10.62
178.2312	10.89	9.91	10.11	10.90	10.75
178.3257	10.86	9.63	10.06	10.92	10.82
178.4203	10.90	9.60	10.03	10.99	10.84
178.5148	10.89	9.46	10.06	10.94	10.75
178.6094	10.98	9.69	10.04	11.02	10.80
178.7039	11.07	9.45	10.04	11.02	10.87
178.7985	10.97	9.56	10.16	10.95	11.01
178.8930	11.09	9.50	10.09	10.97	11.02
178.9876	11.22	9.46	10.12	11.18	10.85
179.0821	11.14	9.32	10.05	11.26	10.90
179.1767	11.13	9.34	10.24	11.34	10.78
179.2712	11.08	9.10	10.28	11.23	10.75
179.3658	10.83	9.05	10.24	10.97	10.84
179.4603	10.85	9.01	10.24	10.76	10.78
179.5549	10.88	9.22	10.23	10.92	10.73
179.6495	10.88	8.81	10.15	10.89	10.69
179.7440	10.81	8.93	10.14	10.84	10.81
179.8386	10.79	9.00	10.04	10.75	10.86
179.9331	10.71	9.14	10.10	10.66	10.69
180.0277	10.57	8.93	9.99	10.59	10.54
180.1222	10.65	9.13	9.84	10.61	10.49
180.2168	10.57	9.16	9.76	10.68	10.51
180.3113	10.63	9.42	9.82	10.68	10.62
180.4059	10.58	9.35	9.59	10.50	10.52
180.5004	10.46	9.50	9.54	10.36	10.42
180.5950	10.41	9.59	9.54	10.40	10.33
180.6895	10.41	9.67	9.50	10.39	10.40
180.7841	10.43	9.73	9.48	10.39	10.53
180.8786	10.54	9.89	9.54	10.44	10.53
180.9732	10.66	9.92	9.27	10.52	10.62
181.0677	10.68	10.09	9.11	10.45	10.59
181.1623	10.54	10.08	9.11	10.44	10.58
181.2568	10.49	10.20	9.14	10.53	10.61
181.3514	10.66	10.35	8.79	10.68	10.68
181.4459	10.80	10.58	8.82	10.75	10.53
181.5405	10.74	10.32	8.83	10.99	10.35
181.6351	10.77	10.29	8.96	11.01	10.29
181.7296	10.68	10.59	8.85	11.08	10.36
181.8242	10.76	10.57	9.03	11.01	10.40
181.9187	10.84	10.23	9.12	11.10	10.37
182.0133	10.87	10.36	9.20	11.13	10.49
182.1078	10.96	10.42	9.10	11.08	10.52
182.2024	10.75	10.62	9.23	11.02	10.64
182.2969	10.86	10.50	9.15	10.96	10.72
182.3915	10.88	10.66	9.13	10.89	10.76
182.4860	10.81	10.73	9.17	10.83	10.67
182.5806	10.72	10.84	9.12	10.79	10.69
182.6751	10.81	10.75	9.23	10.97	10.50
182.7697	10.72	10.99	9.52	11.10	10.50
182.8642	10.77	10.65	9.53	10.91	10.37
182.9588	10.66	10.71	9.62	10.79	10.32
183.0533	10.50	10.72	9.77	10.81	10.28

183.1479	10.66	10.74	10.10	10.79	10.36
183.2424	10.63	10.52	10.01	10.78	10.52
183.3370	10.67	10.56	10.00	10.74	10.61
183.4315	10.73	10.68	9.94	10.50	10.74
183.5261	10.59	10.68	9.99	10.41	10.73
183.6207	10.72	10.34	10.05	10.28	10.95
183.7152	10.59	10.76	10.11	10.42	10.87
183.8098	10.59	10.64	9.97	10.51	10.65
183.9043	10.54	10.67	10.00	10.43	10.59
183.9989	10.55	10.35	10.04	10.27	10.67
184.0934	10.62	10.63	10.11	10.33	10.78
184.1880	10.76	10.65	10.07	10.39	10.89
184.2825	10.69	10.60	10.06	10.63	10.73
184.3771	10.65	10.29	10.06	10.60	10.54
184.4716	10.78	10.63	10.29	10.72	10.62
184.5662	10.82	10.47	10.43	10.74	10.77
184.6607	10.88	10.62	10.48	10.81	10.82
184.7553	10.81	10.46	10.37	10.83	10.70
184.8498	10.77	10.40	10.56	10.83	10.72
184.9444	10.85	10.32	10.54	10.73	10.72
185.0389	10.85	10.44	10.47	10.67	10.86
185.1335	10.95	10.43	10.30	10.84	11.05
185.2280	11.04	10.30	10.27	10.88	11.07
185.3226	11.00	10.15	10.26	10.81	10.95
185.4171	10.89	10.38	10.15	10.76	10.76
185.5117	10.88	10.27	9.98	10.77	10.83
185.6062	10.89	10.20	10.08	10.86	10.78
185.7008	10.87	10.15	10.09	11.08	10.55
185.7954	10.65	10.36	9.99	11.03	10.30
185.8899	10.60	10.07	9.91	10.80	10.25
185.9845	10.55	10.08	9.96	10.57	10.27
186.0790	10.43	10.19	9.84	10.66	10.28
186.1736	10.56	10.54	9.81	10.60	10.34
186.2681	10.60	10.12	9.78	10.72	10.34
186.3627	10.53	10.03	9.87	10.75	10.20
186.4572	10.42	10.26	9.80	10.65	10.23
186.5518	10.50	10.41	9.78	10.52	10.24
186.6463	10.54	10.16	9.81	10.63	10.13
186.7409	10.39	10.13	9.89	10.67	10.08
186.8354	10.33	9.96	9.99	10.57	9.97
186.9300	10.26	10.30	9.92	10.31	10.08
187.0245	10.27	10.31	10.00	10.17	10.21
187.1191	10.23	10.24	10.05	10.18	10.25
187.2136	10.23	10.26	10.14	10.22	10.16
187.3082	10.23	10.47	10.22	10.35	10.05
187.4027	10.06	10.42	10.27	10.30	9.88
187.4973	10.13	10.58	10.34	10.17	9.98
187.5918	10.20	10.23	10.39	10.24	10.02
187.6864	10.05	10.35	10.35	10.20	9.92
187.7810	10.10	10.27	10.34	10.20	9.87
187.8755	10.16	10.34	10.43	10.31	9.87
187.9701	10.26	10.18	10.26	10.36	10.00
188.0646	10.26	10.30	10.18	10.35	10.25
188.1592	10.34	10.41	10.31	10.18	10.30
188.2537	10.25	10.41	10.51	10.30	10.36
188.3483	10.44	10.11	10.30	10.27	10.32
188.4428	10.27	10.37	10.30	10.36	10.32
188.5374	10.31	10.28	10.20	10.28	10.39
188.6319	10.46	10.19	10.10	10.48	10.40
188.7265	10.48	9.88	10.05	10.41	10.51
188.8210	10.58	10.15	10.10	10.56	10.41

188.9156	10.49	10.06	9.97	10.60	10.48
189.0101	10.68	10.08	10.10	10.62	10.56
189.1047	10.63	9.84	10.01	10.70	10.68
189.1992	10.77	9.98	10.15	10.78	10.55
189.2938	10.78	9.85	9.85	10.94	10.42
189.3883	10.66	9.87	9.79	10.88	10.43
189.4829	10.68	9.68	9.64	10.73	10.59
189.5774	10.65	9.53	9.58	10.54	10.66
189.6720	10.51	9.44	9.45	10.54	10.46
189.7666	10.52	9.35	9.59	10.67	10.21
189.8611	10.54	9.07	9.51	10.71	10.26
189.9557	10.55	9.02	9.69	10.50	10.47
190.0502	10.62	8.94	9.90	10.44	10.71
190.1448	10.54	8.94	10.05	10.44	10.65
190.2393	10.58	8.56	10.06	10.55	10.53
190.3339	10.62	8.66	10.19	10.74	10.60
190.4284	10.66	8.77	10.19	10.78	10.51
190.5230	10.61	8.69	10.27	10.52	10.42
190.6175	10.52	8.25	10.25	10.59	10.44
190.7121	10.53	8.36	10.37	10.62	10.27
190.8066	10.38	8.32	10.34	10.60	10.12
190.9012	10.34	8.44	10.55	10.51	10.10
190.9957	10.40	7.97	10.68	10.45	10.20
191.0903	10.51	7.91	10.77	10.51	10.40
191.1848	10.59	8.07	10.76	10.59	10.46
191.2794	10.63	8.05	10.83	10.56	10.50
191.3739	10.52	7.74	10.89	10.52	10.49
191.4685	10.51	7.76	11.00	10.38	10.61
191.5630	10.43	7.75	10.78	10.36	10.53
191.6576	10.41	7.85	10.79	10.32	10.38
191.7522	10.44	7.68	10.84	10.30	10.32
191.8467	10.45	8.06	10.75	10.40	10.33
191.9413	10.47	7.99	10.63	10.42	10.44
192.0358	10.45	8.17	10.72	10.45	10.53
192.1304	10.54	8.38	10.62	10.49	10.43
192.2249	10.59	8.42	10.61	10.63	10.48
192.3195	10.67	8.34	10.45	10.54	10.67
192.4140	10.63	8.59	10.42	10.44	10.78
192.5086	10.60	8.61	10.41	10.47	10.67
192.6031	10.58	8.66	10.38	10.53	10.64
192.6977	10.66	8.89	10.34	10.46	10.57
192.7922	10.66	9.27	10.40	10.56	10.59
192.8868	10.68	9.29	10.42	10.59	10.65
192.9813	10.74	9.51	10.40	10.75	10.64
193.0759	10.63	9.57	10.37	10.73	10.45
193.1704	10.58	9.88	10.45	10.88	10.26
193.2650	10.54	9.73	10.30	10.91	10.32
193.3595	10.77	9.93	10.42	10.90	10.43
193.4541	10.67	9.82	10.38	10.86	10.54
193.5486	10.66	9.86	10.46	10.83	10.36
193.6432	10.53	9.95	10.51	10.75	10.34
193.7378	10.65	10.04	10.65	10.71	10.44
193.8323	10.62	9.90	10.61	10.75	10.50
193.9269	10.62	10.10	10.59	10.69	10.41
194.0214	10.54	10.10	10.62	10.68	10.41
194.1160	10.50	10.16	10.69	10.52	10.34
194.2105	10.37	10.21	10.59	10.47	10.31
194.3051	10.40	10.41	10.57	10.44	10.19
194.3996	10.32	10.27	10.64	10.41	10.07
194.4942	10.23	10.39	10.66	10.44	10.03
194.5887	10.24	10.45	10.67	10.42	10.05

194.6833	10.16	10.47	10.76	10.26	10.07
194.7778	10.29	10.48	10.69	10.24	10.11
194.8724	10.25	10.58	10.70	10.16	10.20
194.9669	10.22	10.55	10.57	10.15	10.06
195.0615	9.99	10.61	10.64	9.84	9.91
195.1560	9.68	10.45	10.59	9.48	9.79
195.2506	9.63	10.54	10.40	9.50	9.74
195.3451	9.68	10.53	10.26	9.46	9.88
195.4397	9.66	10.41	10.29	9.41	9.90
195.5342	9.60	10.24	10.38	9.49	9.74
195.6288	9.52	10.53	10.39	9.36	9.61
195.7234	9.54	10.29	10.32	9.43	9.56
195.8179	9.67	10.37	10.53	9.63	9.69
195.9125	9.83	10.26	10.45	9.83	9.75
196.0070	9.94	10.41	10.27	9.89	9.64
196.1016	9.76	10.19	10.38	9.86	9.63
196.1961	9.81	10.37	10.34	9.97	9.56
196.2907	9.88	10.18	10.13	10.10	9.60
196.3852	10.07	10.37	10.23	10.16	9.86
196.4798	10.17	10.37	10.24	10.17	10.13
196.5743	10.20	10.26	10.34	10.10	10.25
196.6689	10.33	10.16	10.21	10.23	10.30
196.7634	10.55	10.23	10.28	10.50	10.55
196.8580	10.71	10.12	10.29	10.64	10.64
196.9525	10.65	10.05	10.24	10.72	10.49
197.0471	10.60	9.80	10.11	10.73	10.26
197.1416	10.55	9.99	10.17	10.78	10.23
197.2362	10.73	9.90	10.07	10.89	10.27
197.3307	10.81	10.04	10.15	11.09	10.38
197.4253	10.82	9.92	10.11	11.09	10.39
197.5198	10.77	10.33	10.11	11.05	10.31
197.6144	10.65	10.24	10.05	10.92	10.33
197.7089	10.73	10.41	10.24	10.91	10.40
197.8035	10.70	10.49	10.17	10.80	10.50
197.8981	10.70	10.65	10.11	10.75	10.37
197.9926	10.47	10.39	9.90	10.83	10.35
198.0872	10.56	10.46	9.95	10.67	10.23
198.1817	10.49	10.37	9.94	10.54	10.33
198.2763	10.65	10.24	10.07	10.55	10.55
198.3708	10.69	10.13	10.03	10.69	10.73
198.4654	10.76	10.32	10.19	10.77	10.68
198.5599	10.72	10.08	10.17	10.70	10.60
198.6545	10.68	10.20	10.28	10.84	10.59
198.7490	10.82	10.22	10.33	10.79	10.62
198.8436	10.77	10.28	10.33	10.86	10.67
198.9381	10.82	9.87	10.17	10.93	10.58
199.0327	10.67	9.63	10.13	10.96	10.42
199.1272	10.75	9.56	10.05	10.92	10.46
199.2218	10.76	9.43	10.13	10.80	10.73
199.3163	10.80	9.20	9.93	10.81	10.93
199.4109	11.01	9.13	9.84	10.84	10.97
199.5054	11.03	9.03	9.72	11.00	11.03
199.6000	10.98	9.17	9.64	10.89	11.04
199.6945	11.00	9.29	9.52	10.90	11.09
199.7891	11.04	9.23	9.59	10.88	11.10
199.8837	10.98	9.11	9.30	10.88	10.97
199.9782	10.88	9.27	9.15	10.85	10.94
200.0728	11.02	9.39	9.14	10.92	10.89
200.1673	11.14	9.64	9.18	11.03	11.03
200.2619	11.16	9.49	9.09	11.07	11.11
200.3564	11.12	9.67	9.12	11.18	11.14

200.4510	11.24	9.73	9.16	11.22	11.14
200.5455	11.30	10.05	9.17	11.19	11.14
200.6401	11.22	9.97	9.06	11.14	11.29
200.7346	11.12	10.06	9.04	11.03	11.07
200.8292	10.99	10.15	9.05	11.04	10.92
200.9237	11.00	10.19	8.99	11.13	10.71
201.0183	10.94	10.17	8.68	11.07	10.71
201.1128	10.90	10.35	8.76	10.84	10.93
201.2074	10.97	10.20	8.73	10.80	11.01
201.3019	10.87	10.17	8.74	10.86	11.06
201.3965	11.05	10.15	8.62	10.92	11.04
201.4910	11.19	10.16	8.84	11.06	11.00
201.5856	11.14	9.90	8.88	11.04	11.10
201.6801	11.06	9.91	9.03	10.99	11.12
201.7747	10.97	9.51	9.08	10.87	10.89
201.8693	10.89	9.44	9.26	10.88	10.92
201.9638	11.09	9.21	9.21	11.02	10.88
202.0584	10.98	9.40	9.41	11.16	10.78
202.1529	10.92	9.16	9.54	11.02	10.64
202.2475	10.82	9.35	9.73	10.98	10.61
202.3420	10.73	9.36	9.80	10.90	10.66
202.4366	10.81	9.69	9.79	10.88	10.62
202.5311	10.84	9.57	9.75	10.92	10.65
202.6257	10.80	9.71	9.94	10.88	10.68
202.7202	10.81	9.60	10.09	10.69	10.65
202.8148	10.72	9.83	10.10	10.75	10.60
202.9093	10.57	9.59	10.16	10.65	10.60
203.0039	10.68	9.96	10.40	10.68	10.46
203.0984	10.56	10.05	10.51	10.62	10.50
203.1930	10.53	10.33	10.57	10.48	10.47
203.2875	10.52	10.50	10.40	10.51	10.50
203.3821	10.61	10.70	10.47	10.55	10.37
203.4766	10.42	10.65	10.39	10.58	10.32
203.5712	10.38	11.01	10.32	10.40	10.35
203.6657	10.43	11.00	10.27	10.35	10.44
203.7603	10.37	10.87	10.30	10.31	10.35
203.8549	10.36	10.77	10.19	10.40	10.23
203.9494	10.43	11.05	10.18	10.45	10.20
204.0440	10.50	11.01	10.02	10.51	10.32
204.1385	10.46	10.93	10.20	10.48	10.52
204.2331	10.62	10.74	10.19	10.55	10.50
204.3276	10.70	10.88	10.08	10.72	10.51
204.4222	10.74	10.86	10.04	10.89	10.31
204.5167	10.65	10.93	10.06	11.00	10.31
204.6113	10.71	10.58	10.06	10.78	10.43
204.7058	10.65	10.59	10.14	10.57	10.59
204.8004	10.63	10.60	9.97	10.65	10.43
204.8949	10.56	10.61	9.87	10.68	10.25
204.9895	10.55	10.43	9.87	10.83	10.23
205.0840	10.55	10.51	9.89	10.86	10.21
205.1786	10.59	10.60	9.68	10.69	10.30
205.2731	10.58	10.67	9.83	10.55	10.29
205.3677	10.35	10.49	9.67	10.52	10.26
205.4622	10.26	10.52	9.66	10.38	10.02
205.5568	10.22	10.49	9.77	10.45	9.92
205.6513	10.12	10.51	9.92	10.33	9.93
205.7459	10.10	10.46	9.94	10.13	9.94
205.8405	10.00	10.68	10.07	10.09	9.93
205.9350	9.96	10.66	10.12	10.00	9.88
206.0296	9.94	10.77	10.37	10.02	9.88
206.1241	10.03	10.78	10.51	9.97	9.97

206.2187	10.09	10.88	10.47	9.92	10.13
206.3132	10.07	10.61	10.31	9.88	10.10
206.4078	9.96	10.54	10.28	9.98	10.04
206.5023	10.04	10.47	10.31	9.91	9.91
206.5969	10.01	10.53	10.30	9.89	10.13
206.6914	10.15	10.27	10.19	9.78	10.09
206.7860	9.95	10.33	10.19	9.92	10.02
206.8805	9.97	10.27	10.17	9.93	9.87
206.9751	10.05	10.34	10.33	10.08	9.96
207.0696	10.07	10.17	10.46	10.07	10.21
207.1642	10.42	10.20	10.44	10.12	10.37
207.2587	10.41	9.87	10.35	10.07	10.53
207.3533	10.39	9.85	10.53	10.19	10.49
207.4478	10.40	9.66	10.59	10.41	10.42
207.5424	10.46	9.77	10.66	10.49	10.33
207.6369	10.44	9.36	10.48	10.54	10.36
207.7315	10.59	9.39	10.41	10.57	10.41
207.8261	10.64	9.48	10.56	10.72	10.55
207.9206	10.80	9.60	10.62	10.81	10.53
208.0152	10.75	9.51	10.53	10.92	10.73
208.1097	10.95	9.62	10.59	10.91	10.89
208.2043	11.04	9.58	10.45	10.92	10.91
208.2988	10.74	9.52	10.59	10.66	10.77
208.3934	10.66	9.42	10.58	10.65	10.72
208.4879	10.78	9.52	10.51	10.91	10.72
208.5825	10.89	9.17	10.44	11.13	10.71
208.6770	10.98	9.18	10.55	11.15	10.71
208.7716	10.80	9.14	10.49	11.05	10.49
208.8661	10.74	9.26	10.57	10.99	10.39
208.9607	10.84	9.15	10.48	11.10	10.43
209.0552	10.84	9.04	10.49	11.09	10.60
209.1498	10.93	8.97	10.34	11.10	10.53
209.2443	10.87	8.97	10.36	11.01	10.60
209.3389	10.79	8.60	10.19	10.86	10.51
209.4334	10.60	8.70	10.23	10.68	10.46
209.5280	10.57	8.67	10.17	10.65	10.54
209.6225	10.65	8.51	10.29	10.62	10.56
209.7171	10.64	8.47	10.31	10.60	10.58
209.8116	10.58	8.65	10.49	10.42	10.46
209.9062	10.52	8.51	10.52	10.55	10.45
210.0008	10.54	8.54	10.59	10.49	10.55
210.0953	10.49	8.46	10.58	10.45	10.51
210.1899	10.46	8.37	10.79	10.49	10.36
210.2844	10.41	8.31	10.76	10.48	10.15
210.3790	10.34	8.47	10.75	10.59	10.00
210.4735	10.31	8.40	10.73	10.47	10.03
210.5681	10.28	8.45	10.75	10.43	10.12
210.6626	10.31	8.31	10.69	10.23	10.01
210.7572	10.10	8.44	10.74	10.24	10.01
210.8517	10.11	8.42	10.57	10.09	10.03
210.9463	10.11	8.50	10.54	10.11	10.14
211.0408	10.19	8.33	10.57	10.04	10.24
211.1354	10.18	8.45	10.52	10.07	10.26
211.2299	10.10	8.30	10.34	9.94	10.27
211.3245	10.05	8.55	10.21	9.88	10.14
211.4190	9.92	8.57	10.07	9.94	10.02
211.5136	10.02	8.76	9.93	10.10	10.03
211.6081	10.22	8.66	9.83	10.29	10.00
211.7027	10.34	9.06	9.84	10.55	10.04
211.7972	10.32	9.15	9.76	10.43	10.06
211.8918	10.31	9.48	9.59	10.42	10.28

211.9864	10.54	9.50	9.68	10.52	10.32
212.0809	10.57	9.51	9.90	10.59	10.32
212.1755	10.43	9.21	9.77	10.63	10.20
212.2700	10.49	9.73	9.65	10.63	10.26
212.3646	10.57	9.89	9.67	10.57	10.49
212.4591	10.52	9.70	9.75	10.44	10.55
212.5537	10.57	9.76	9.85	10.50	10.53
212.6482	10.55	10.15	9.83	10.54	10.42
212.7428	10.46	10.25	9.87	10.51	10.47
212.8373	10.55	10.46	10.03	10.43	10.59
212.9319	10.50	10.18	10.16	10.46	10.64
213.0264	10.62	10.34	10.25	10.43	10.54
213.1210	10.44	10.29	10.17	10.46	10.39
213.2155	10.33	10.32	10.30	10.52	10.18
213.3101	10.39	10.31	10.32	10.64	10.24
213.4046	10.52	10.35	10.38	10.53	10.39
213.4992	10.53	10.14	10.36	10.54	10.35
213.5937	10.51	10.10	10.65	10.57	10.26
213.6883	10.43	9.96	10.71	10.61	10.14
213.7828	10.32	10.11	10.66	10.46	10.19
213.8774	10.36	9.96	10.56	10.45	10.30
213.9720	10.36	9.83	10.90	10.35	10.24
214.0665	10.34	9.76	10.86	10.36	10.28
214.1611	10.30	9.78	10.78	10.34	10.31
214.2556	10.35	9.94	10.70	10.27	10.27
214.3502	10.34	9.86	10.76	10.28	10.36
214.4447	10.44	9.62	10.80	10.41	10.32
214.5393	10.41	9.66	10.71	10.51	10.28
214.6338	10.44	9.60	10.56	10.48	10.15
214.7284	10.38	9.65	10.64	10.56	10.14
214.8229	10.19	9.43	10.60	10.35	10.07
214.9175	10.26	9.41	10.62	10.16	10.11
215.0120	10.29	9.36	10.63	10.25	10.21
215.1066	10.31	9.46	10.57	10.36	10.20
215.2011	10.28	9.45	10.43	10.27	10.21
215.2957	10.29	9.66	10.41	10.25	10.32
215.3902	10.44	9.65	10.29	10.21	10.50
215.4848	10.38	9.97	10.27	10.27	10.45
215.5793	10.55	9.78	10.16	10.34	10.36
215.6739	10.48	10.06	10.20	10.57	10.36
215.7684	10.53	10.15	10.08	10.58	10.36
215.8630	10.61	10.26	10.20	10.69	10.45
215.9576	10.73	9.89	10.20	10.71	10.48
216.0521	10.75	10.01	10.22	10.84	10.49
216.1467	10.76	10.14	10.25	10.81	10.50
216.2412	10.69	10.48	10.37	10.87	10.52
216.3358	10.74	10.09	10.23	10.77	10.61
216.4303	10.85	10.20	10.24	10.76	10.76
216.5249	10.93	10.24	10.25	10.85	10.83
216.6194	10.89	10.40	10.20	10.86	10.87
216.7140	10.89	10.36	10.11	10.90	10.67
216.8085	10.68	10.29	10.08	10.81	10.48
216.9031	10.70	10.06	9.95	10.81	10.55
216.9976	10.75	10.25	9.96	10.72	10.55
217.0922	10.71	10.36	9.89	10.63	10.55
217.1867	10.74	10.65	9.91	10.74	10.46
217.2813	10.61	10.35	9.76	10.83	10.42
217.3758	10.62	10.48	9.94	10.67	10.46
217.4704	10.63	10.70	10.07	10.58	10.59
217.5649	10.60	10.93	10.14	10.53	10.67
217.6595	10.52	10.58	9.94	10.40	10.64

217.7540	10.47	10.83	10.01	10.27	10.49
217.8486	10.31	10.80	10.02	10.21	10.52
217.9432	10.41	10.88	10.04	10.12	10.49
218.0377	10.34	10.73	9.90	10.31	10.41
218.1323	10.39	11.02	9.97	10.43	10.16
218.2268	10.32	11.01	9.83	10.46	10.17
218.3214	10.42	10.90	9.88	10.46	10.32
218.4159	10.52	10.91	9.84	10.43	10.46
218.5105	10.44	11.00	9.76	10.35	10.55
218.6050	10.51	11.03	9.71	10.48	10.47
218.6996	10.39	10.90	9.60	10.50	10.32
218.7941	10.42	10.85	9.54	10.48	10.25
218.8887	10.51	10.84	9.64	10.39	10.45
218.9832	10.46	10.76	9.56	10.39	10.44
219.0778	10.47	10.92	9.57	10.51	10.43
219.1723	10.49	10.73	9.52	10.62	10.40
219.2669	10.52	10.70	9.45	10.72	10.42
219.3614	10.74	10.57	9.62	10.78	10.48
219.4560	10.81	10.59	9.59	10.89	10.67
219.5505	10.94	10.25	9.37	10.92	10.86
219.6451	10.96	10.33	9.25	11.02	10.79
219.7396	10.94	10.29	9.21	11.20	10.68
219.8342	11.03	10.25	9.16	11.15	10.67
219.9288	11.03	10.01	9.15	11.08	10.71
220.0233	10.96	10.27	9.10	11.21	10.69
220.1179	11.01	10.24	9.07	11.21	10.57
220.2124	10.84	10.24	9.13	11.27	10.52
220.3070	10.96	9.89	9.15	11.24	10.57
220.4015	11.04	10.00	9.20	11.18	10.64
220.4961	10.86	9.89	9.15	10.98	10.67
220.5906	10.81	10.02	9.10	11.03	10.62
220.6852	10.79	9.80	8.97	10.92	10.60
220.7797	10.83	9.80	8.98	11.04	10.55
220.8743	10.90	9.53	8.95	11.00	10.50
220.9688	10.66	9.67	9.01	10.85	10.52
221.0634	10.77	9.55	8.93	10.80	10.44
221.1579	10.70	9.44	9.07	10.73	10.58
221.2525	10.74	9.09	9.19	10.74	10.75
221.3470	10.88	9.17	9.41	10.66	10.82
221.4416	10.72	9.15	9.56	10.62	10.88
221.5361	10.72	9.15	9.76	10.62	10.68
221.6307	10.70	8.94	9.85	10.73	10.74
221.7252	10.76	9.04	10.09	10.73	10.71
221.8198	10.78	8.93	10.07	10.89	10.65
221.9143	10.91	8.95	10.26	10.91	10.62
222.0089	10.78	8.81	10.27	10.92	10.67
222.1035	10.94	9.05	10.26	11.02	10.68
222.1980	10.97	9.04	10.17	11.03	10.86
222.2926	11.11	8.97	10.18	11.09	10.98
222.3871	11.10	8.93	10.11	10.90	11.16
222.4817	11.10	9.44	10.18	10.84	11.24
222.5762	11.08	9.29	10.08	10.85	11.24
222.6708	11.07	9.35	10.15	10.97	11.15
222.7653	11.11	9.39	10.12	11.01	11.04
222.8599	10.92	9.50	10.21	10.87	10.85
222.9544	10.90	9.48	10.21	10.86	10.82
223.0490	10.88	9.52	10.32	10.84	10.87
223.1435	10.95	9.48	10.12	11.07	10.77
223.2381	11.08	9.71	10.04	11.14	10.77
223.3326	10.97	9.76	9.97	11.15	10.77
223.4272	10.96	9.90	9.94	11.03	10.79

223.5217	10.88	10.11	9.81	10.92	10.79
223.6163	10.82	10.57	9.75	10.78	10.89
223.7108	10.92	10.46	9.63	10.91	10.82
223.8054	10.92	10.32	9.79	10.91	10.73
223.8999	10.82	10.43	9.89	10.80	10.80
223.9945	10.82	10.71	9.89	10.72	10.78
224.0891	10.71	10.45	9.76	10.70	10.74
224.1836	10.81	10.36	9.84	10.65	10.86
224.2782	10.91	10.17	9.83	10.59	10.95
224.3727	10.68	10.43	9.82	10.45	11.01
224.4673	10.62	10.40	9.89	10.33	10.76
224.5618	10.47	10.41	9.96	10.49	10.51
224.6564	10.44	10.06	9.85	10.52	10.37
224.7509	10.61	10.26	9.96	10.63	10.37
224.8455	10.49	10.26	10.08	10.58	10.34
224.9400	10.41	10.38	10.09	10.54	10.22
225.0346	10.31	10.13	9.98	10.39	10.12
225.1291	10.24	10.23	10.16	10.46	10.01
225.2237	10.29	10.19	10.16	10.38	9.97
225.3182	10.21	10.07	10.24	10.13	10.12
225.4128	9.96	10.15	10.28	9.93	10.07
225.5073	10.01	10.31	10.52	9.91	9.87
225.6019	9.97	10.15	10.43	10.07	9.86
225.6964	9.94	10.05	10.68	10.01	9.88
225.7910	9.96	10.24	10.70	9.86	9.97
225.8855	9.90	10.50	10.79	9.76	9.82
225.9801	9.69	10.48	10.70	9.75	9.59
226.0747	9.65	10.47	10.73	9.88	9.44
226.1692	9.78	10.49	10.70	9.86	9.35
226.2638	9.79	10.58	10.67	10.02	9.41
226.3583	9.74	10.62	10.60	10.00	9.48
226.4529	9.77	10.77	10.68	9.92	9.51
226.5474	9.81	10.34	10.67	9.84	9.55
226.6420	9.87	10.32	10.72	9.94	9.75
226.7365	9.92	10.32	10.73	9.98	9.91
226.8311	10.04	10.30	10.72	9.92	9.87
226.9256	9.89	10.03	10.79	10.00	9.95
227.0202	9.91	10.09	10.79	9.96	9.84
227.1147	9.92	10.05	10.64	9.91	9.95
227.2093	10.11	9.92	10.72	9.94	10.08
227.3038	10.31	9.90	10.58	10.31	10.21
227.3984	10.36	10.03	10.56	10.51	10.18
227.4929	10.47	9.91	10.55	10.66	10.15
227.5875	10.55	9.80	10.63	10.63	10.22
227.6820	10.57	9.50	10.63	10.71	10.35
227.7766	10.72	9.76	10.65	10.77	10.45
227.8711	10.61	9.73	10.65	10.82	10.39
227.9657	10.56	9.64	10.75	10.66	10.25
228.0603	10.52	9.47	10.74	10.57	10.27
228.1548	10.48	9.61	10.82	10.45	10.43
228.2494	10.45	9.54	10.78	10.49	10.46
228.3439	10.41	9.73	10.71	10.49	10.34
228.4385	10.36	9.59	10.72	10.51	10.16
228.5330	10.39	9.52	10.73	10.42	10.28
228.6276	10.44	9.38	10.70	10.41	10.35
228.7221	10.36	9.61	10.67	10.45	10.32
228.8167	10.41	9.59	10.68	10.40	10.24
228.9112	10.35	9.60	10.85	10.38	10.22
229.0058	10.33	9.26	10.82	10.22	10.18
229.1003	10.31	9.56	10.74	10.29	10.29
229.1949	10.38	9.32	10.65	10.26	10.35

229.2894	10.34	9.46	10.72	10.33	10.34
229.3840	10.27	9.23	10.67	10.26	10.25
229.4785	10.28	9.25	10.72	10.15	10.27
229.5731	10.22	8.91	10.56	10.11	10.37
229.6676	10.24	8.94	10.55	10.24	10.33
229.7622	10.27	8.80	10.51	10.29	10.27
229.8567	10.35	8.74	10.57	10.34	10.13
229.9513	10.38	8.44	10.32	10.43	10.16
230.0459	10.41	8.24	10.21	10.37	10.36
230.1404	10.40	8.24	10.07	10.25	10.55
230.2350	10.56	8.36	10.18	10.51	10.53
230.3295	10.69	8.21	10.15	10.64	10.50
230.4241	10.65	8.18	10.04	10.76	10.43
230.5186	10.67	8.04	9.92	10.67	10.39
230.6132	10.47	8.30	10.00	10.56	10.42
230.7077	10.35	8.22	9.89	10.44	10.36
230.8023	10.45	8.41	9.93	10.46	10.49
230.8968	10.49	8.45	9.85	10.54	10.42
230.9914	10.53	8.53	9.78	10.67	10.33
231.0859	10.67	8.56	9.70	10.73	10.44
231.1805	10.71	8.92	9.82	10.77	10.60
231.2750	10.63	8.93	9.73	10.83	10.63
231.3696	10.81	9.03	9.74	10.92	10.49
231.4641	10.84	9.03	9.68	11.16	10.53
231.5587	10.90	9.25	9.71	11.05	10.47
231.6532	10.87	9.38	9.66	11.11	10.54
231.7478	10.78	9.52	9.78	11.05	10.59
231.8423	10.81	9.41	9.94	11.00	10.56
231.9369	10.89	9.38	10.02	10.93	10.66
232.0315	10.97	9.42	9.97	10.94	10.82
232.1260	10.86	9.51	10.27	10.93	10.83
232.2206	10.85	9.37	10.31	10.99	10.85
232.3151	10.97	9.41	10.22	10.88	10.74
232.4097	10.88	9.31	10.13	10.91	10.82
232.5042	10.86	9.36	10.09	10.87	10.80
232.5988	10.82	9.34	9.97	10.74	10.73
232.6933	10.67	9.38	10.05	10.65	10.70
232.7879	10.72	9.27	10.03	10.65	10.64
232.8824	10.80	9.35	10.14	10.72	10.71
232.9770	10.92	9.25	10.16	10.83	10.76
233.0715	10.73	9.41	10.36	10.67	10.81
233.1661	10.60	9.35	10.50	10.48	10.65
233.2606	10.54	9.51	10.71	10.61	10.45
233.3552	10.58	9.26	10.69	10.64	10.34
233.4497	10.50	9.38	10.64	10.64	10.43
233.5443	10.55	9.33	10.70	10.50	10.46
233.6388	10.41	9.62	10.92	10.31	10.60
233.7334	10.33	9.46	10.58	10.16	10.35
233.8279	10.32	9.69	10.53	10.37	10.26
233.9225	10.49	9.79	10.50	10.40	10.34
234.0170	10.44	9.84	10.50	10.41	10.51
234.1116	10.30	10.16	10.45	10.18	10.38
234.2062	10.21	10.37	10.33	10.16	10.20
234.3007	10.22	10.01	10.07	10.25	10.12
234.3953	10.23	10.10	10.21	10.38	9.94
234.4898	10.24	10.21	10.06	10.38	9.97
234.5844	10.16	10.40	10.14	10.39	9.95
234.6789	10.22	9.95	10.08	10.37	10.04
234.7735	10.32	10.17	10.16	10.42	10.03
234.8680	10.43	10.22	10.08	10.44	10.15
234.9626	10.58	10.36	10.10	10.52	10.31

235.0571	10.46	10.38	10.06	10.49	10.39
235.1517	10.40	10.63	9.98	10.40	10.29
235.2462	10.42	10.60	9.60	10.45	10.27
235.3408	10.56	10.73	9.52	10.46	10.35
235.4353	10.51	10.71	9.50	10.43	10.43
235.5299	10.48	10.93	9.51	10.34	10.49
235.6244	10.47	10.85	9.46	10.33	10.59
235.7190	10.55	10.97	9.57	10.40	10.41
235.8135	10.50	10.92	9.75	10.53	10.39
235.9081	10.48	11.02	9.96	10.40	10.42
236.0026	10.39	11.05	9.94	10.37	10.35
236.0972	10.30	11.29	10.05	10.34	10.32
236.1918	10.42	11.00	9.94	10.37	10.19
236.2863	10.33	11.12	9.96	10.42	10.13
236.3809	10.42	11.18	9.82	10.59	10.04
236.4754	10.28	11.22	9.71	10.55	10.08
236.5700	10.25	11.17	9.63	10.36	10.21
236.6645	10.32	11.27	9.77	10.29	10.25
236.7591	10.35	11.10	9.78	10.26	10.16
236.8536	10.29	11.27	9.67	10.32	10.16
236.9482	10.24	11.10	9.78	10.46	10.19
237.0427	10.36	10.99	10.05	10.41	10.21
237.1373	10.39	10.97	10.00	10.43	10.29
237.2318	10.43	11.00	10.01	10.37	10.33
237.3264	10.48	10.75	9.95	10.48	10.42
237.4209	10.46	10.84	10.07	10.58	10.37
237.5155	10.47	10.80	10.16	10.63	10.38
237.6100	10.53	11.05	10.06	10.70	10.41
237.7046	10.77	10.87	9.93	10.66	10.43
237.7991	10.73	10.89	10.08	10.86	10.51
237.8937	10.73	10.78	10.04	10.94	10.48
237.9882	10.80	10.90	10.02	11.12	10.60
238.0828	11.00	10.85	9.85	10.97	10.60
238.1774	10.98	10.70	9.84	10.99	10.79
238.2719	10.98	10.42	9.84	10.93	10.77
238.3665	10.84	10.49	9.86	10.82	10.86
238.4610	10.82	10.50	9.94	10.79	10.81
238.5556	10.81	10.56	9.95	10.86	10.91
238.6501	10.99	10.33	9.92	10.90	10.96
238.7447	11.08	10.40	9.96	10.97	10.91
238.8392	10.93	10.36	10.00	10.98	10.92
238.9338	10.94	10.38	9.94	11.04	10.88
239.0283	11.02	10.22	9.81	11.11	10.94
239.1229	11.18	10.29	9.76	11.18	10.99
239.2174	11.20	9.85	9.70	11.17	10.96
239.3120	11.09	9.87	9.57	11.17	10.92
239.4065	11.19	9.67	9.54	11.19	11.12
239.5011	11.28	9.74	9.54	11.24	11.19
239.5956	11.22	9.51	9.46	11.18	11.10
239.6902	11.28	9.36	9.42	11.03	11.01
239.7847	10.97	9.23	9.43	11.04	10.99
239.8793	10.95	9.47	9.43	10.96	11.00
239.9738	11.00	9.33	9.28	10.93	11.02
240.0684	11.03	9.20	9.31	10.86	10.89
240.1630	10.86	8.88	9.26	10.69	10.87
240.2575	10.77	9.17	9.34	10.59	10.86
240.3521	10.67	9.11	9.40	10.66	10.86
240.4466	10.86	8.94	9.68	10.74	10.95
240.5412	11.05	9.02	9.58	10.94	10.91
240.6357	10.98	9.06	9.49	10.95	10.80
240.7303	10.94	8.99	9.53	10.79	10.70

240.8248	10.64	9.16	9.72	10.68	10.67
240.9194	10.63	9.10	9.77	10.71	10.48
241.0139	10.58	9.20	9.81	10.64	10.35
241.1085	10.48	9.22	9.75	10.51	10.23
241.2030	10.39	9.39	9.95	10.41	10.31
241.2976	10.39	9.45	9.97	10.46	10.57
241.3921	10.56	9.54	10.05	10.44	10.65
241.4867	10.66	9.65	9.88	10.56	10.59
241.5812	10.57	9.83	9.90	10.63	10.54
241.6758	10.69	9.51	9.87	10.67	10.59
241.7703	10.74	9.76	9.93	10.69	10.62
241.8649	10.64	9.98	9.83	10.80	10.58
241.9594	10.77	10.03	9.90	10.90	10.36
242.0540	10.63	9.78	9.68	10.79	10.25
242.1486	10.71	9.83	9.75	10.84	10.26
242.2431	10.59	9.99	9.82	10.88	10.37
242.3377	10.51	10.05	9.88	10.74	10.47
242.4322	10.61	9.80	9.79	10.71	10.50
242.5268	10.68	9.87	9.73	10.85	10.55
242.6213	10.76	9.88	9.62	10.72	10.40
242.7159	10.57	9.95	9.77	10.74	10.50
242.8104	10.67	9.92	9.72	10.81	10.43
242.9050	10.56	10.19	9.66	10.78	10.43
242.9995	10.60	10.07	9.51	10.81	10.34
243.0941	10.64	10.04	9.61	10.90	10.17
243.1886	10.61	10.21	9.63	10.86	10.24
243.2832	10.69	10.66	9.69	10.97	10.43
243.3777	10.78	10.47	9.71	11.01	10.50
243.4723	10.63	10.62	9.78	10.85	10.44
243.5668	10.61	10.44	9.83	10.62	10.30
243.6614	10.49	10.48	9.99	10.57	10.44
243.7559	10.40	10.46	10.06	10.46	10.43
243.8505	10.41	10.39	10.09	10.35	10.28
243.9450	10.23	9.90	10.02	10.33	10.22
244.0396	10.27	9.92	10.10	10.33	10.11
244.1342	10.27	9.89	10.24	10.30	10.15
244.2287	10.28	10.02	10.36	10.25	10.34
244.3233	10.34	9.92	10.32	10.23	10.51
244.4178	10.50	9.97	10.31	10.34	10.40
244.5124	10.30	9.78	10.37	10.29	10.18
244.6069	10.26	9.91	10.51	10.30	10.09
244.7015	10.23	9.86	10.47	10.28	10.13
244.7960	10.23	9.77	10.54	10.20	10.16
244.8906	10.21	9.20	10.57	10.15	10.16
244.9851	10.14	9.22	10.65	10.04	10.06
245.0797	10.14	9.20	10.69	10.05	9.98
245.1742	10.20	9.24	10.81	10.08	10.24
245.2688	10.26	9.05	10.79	10.12	10.48
245.3633	10.33	9.08	10.88	10.07	10.48
245.4579	10.40	9.20	10.80	10.08	10.35
245.5524	10.30	9.36	10.85	10.16	10.25
245.6470	10.22	9.17	10.79	10.30	10.11
245.7415	10.11	9.23	10.79	10.19	9.96
245.8361	10.06	9.38	10.68	10.25	9.93
245.9306	10.23	9.14	10.61	10.22	9.89
246.0252	10.22	9.09	10.71	10.35	9.92
246.1197	10.32	9.35	10.86	10.48	9.87
246.2143	10.17	9.32	10.81	10.54	10.04
246.3089	10.26	9.44	10.88	10.45	10.13
246.4034	10.39	9.29	10.96	10.37	10.19
246.4980	10.39	9.42	10.96	10.33	10.20

246.5925	10.33	9.35	10.84	10.28	10.31
246.6871	10.37	9.53	10.82	10.28	10.54
246.7816	10.39	9.39	10.83	10.20	10.53
246.8762	10.35	9.41	10.80	10.28	10.43
246.9707	10.52	9.37	10.61	10.37	10.31
247.0653	10.53	9.64	10.68	10.52	10.43
247.1598	10.64	9.81	10.76	10.49	10.62
247.2544	10.59	9.88	10.86	10.32	10.80
247.3489	10.70	9.67	10.89	10.44	10.73
247.4435	10.70	9.91	10.96	10.65	10.62
247.5380	10.66	9.89	10.93	10.69	10.53
247.6326	10.53	9.83	11.10	10.67	10.36
247.7271	10.47	9.83	11.15	10.55	10.38
247.8217	10.48	9.92	11.13	10.49	10.38
247.9162	10.50	9.75	10.90	10.46	10.35
248.0108	10.39	10.10	10.95	10.46	10.31
248.1053	10.40	10.11	10.86	10.37	10.29
248.1999	10.30	10.34	10.81	10.33	10.34
248.2945	10.32	10.12	10.74	10.07	10.33
248.3890	10.28	10.17	10.54	10.21	10.25
248.4836	10.33	10.06	10.56	10.28	10.17
248.5781	10.29	10.31	10.57	10.31	10.20
248.6727	10.14	10.08	10.55	10.33	10.12
248.7672	10.13	10.00	10.65	10.25	9.89
248.8618	10.02	9.75	10.56	10.16	9.79
248.9563	9.99	10.15	10.55	10.17	9.67
249.0509	9.87	10.03	10.48	10.21	9.71
249.1454	9.99	9.98	10.63	10.18	9.74
249.2400	9.96	9.77	10.55	10.20	9.68
249.3345	10.02	9.75	10.35	10.11	9.70
249.4291	9.96	9.66	10.19	10.05	9.85
249.5236	9.99	9.75	10.21	10.10	9.95
249.6182	10.10	9.27	9.98	10.16	10.03
249.7127	10.14	9.27	10.00	10.28	10.02
249.8073	10.25	9.23	9.77	10.25	10.08
249.9018	10.27	9.37	9.96	10.26	10.08
249.9964	10.27	9.26	9.90	10.35	10.14
250.0909	10.24	9.22	9.85	10.30	10.18
250.1855	10.32	9.30	9.83	10.46	10.12
250.2801	10.42	9.37	9.89	10.46	10.14
250.3746	10.40	9.15	9.75	10.49	10.22
250.4692	10.38	9.25	9.74	10.42	10.30
250.5637	10.45	9.40	9.64	10.50	10.40
250.6583	10.46	9.39	9.77	10.45	10.42
250.7528	10.39	9.22	9.80	10.51	10.38
250.8474	10.60	9.52	9.77	10.46	10.41
250.9419	10.65	9.47	9.73	10.58	10.48
251.0365	10.64	9.54	9.80	10.78	10.55
251.1310	10.69	9.44	9.88	10.70	10.60
251.2256	10.63	9.34	9.78	10.66	10.45
251.3201	10.70	9.17	9.73	10.66	10.53
251.4147	10.63	9.26	9.87	10.56	10.65
251.5092	10.57	9.15	9.96	10.49	10.65
251.6038	10.71	9.31	10.04	10.59	10.66
251.6983	10.67	9.17	10.05	10.69	10.60
251.7929	10.68	9.20	10.17	10.61	10.60
251.8874	10.75	9.39	10.21	10.53	10.79
251.9820	10.72	9.39	10.33	10.62	10.88
252.0765	10.78	9.11	10.10	10.88	10.72
252.1711	10.84	9.11	10.16	11.12	10.56
252.2657	10.89	8.93	10.13	11.02	10.48

252.3602	10.82	8.79	10.07	10.98	10.57
252.4548	10.80	8.77	10.07	10.77	10.66
252.5493	10.74	8.93	10.13	10.88	10.80
252.6439	10.96	8.70	10.05	10.90	10.77
252.7384	10.91	8.87	10.16	11.04	10.75
252.8330	11.00	8.97	10.34	11.03	10.83
252.9275	10.99	9.20	10.38	10.94	10.96
253.0221	10.99	9.09	10.29	10.90	11.09
253.1166	11.09	9.14	10.34	11.01	11.09
253.2112	11.04	9.06	10.34	11.02	11.07
253.3057	11.06	9.26	10.29	10.95	10.91
253.4003	10.86	9.22	10.13	10.94	10.72
253.4948	10.82	9.51	10.07	11.10	10.64
253.5894	10.95	9.42	9.94	11.22	10.58
253.6839	10.97	9.74	10.02	11.10	10.50
253.7785	10.75	9.84	9.91	10.98	10.49
253.8730	10.80	10.15	9.84	10.94	10.43
253.9676	10.75	10.04	9.74	10.96	10.56
254.0621	10.82	10.09	9.86	10.95	10.60
254.1567	10.78	10.11	9.83	10.82	10.62
254.2513	10.66	10.25	9.81	10.75	10.45
254.3458	10.66	10.06	9.69	10.70	10.45
254.4404	10.61	10.25	9.74	10.73	10.53
254.5349	10.75	10.34	9.58	10.88	10.61
254.6295	10.84	10.39	9.61	10.82	10.68
254.7240	10.88	10.33	9.58	10.98	10.68
254.8186	10.84	10.49	9.63	10.82	10.58
254.9131	10.71	10.53	9.50	10.78	10.65
255.0077	10.83	10.67	9.53	10.83	10.73
255.1022	10.78	10.46	9.48	10.84	10.62
255.1968	10.77	10.67	9.50	10.74	10.59
255.2913	10.66	10.57	9.39	10.70	10.54
255.3859	10.57	10.85	9.37	10.41	10.56
255.4804	10.48	10.70	9.41	10.44	10.62
255.5750	10.60	10.65	9.43	10.46	10.60
255.6695	10.61	10.63	9.57	10.45	10.64
255.7641	10.66	10.78	9.70	10.50	10.64
255.8586	10.51	10.65	9.62	10.39	10.60
255.9532	10.41	10.75	9.68	10.24	10.56
256.0477	10.42	10.84	9.73	10.19	10.43
256.1423	10.36	10.93	9.85	10.28	10.33
256.2369	10.35	10.86	9.69	10.31	10.26
256.3314	10.31	11.07	9.75	10.35	10.18
256.4260	10.22	11.32	9.66	10.24	10.22
256.5205	10.32	11.36	9.80	10.27	10.32
256.6151	10.39	11.11	9.89	10.16	10.40
256.7096	10.35	11.46	9.93	10.15	10.35
256.8042	10.28	11.47	9.91	10.15	10.32
256.8987	10.23	11.56	10.17	10.25	10.32
256.9933	10.32	11.36	10.10	10.25	10.21
257.0878	10.25	11.31	10.14	10.39	10.15
257.1824	10.36	11.28	10.15	10.44	10.10
257.2769	10.39	11.46	10.15	10.53	10.18
257.3715	10.50	11.42	10.16	10.54	10.17
257.4660	10.48	11.31	10.27	10.70	10.30
257.5606	10.58	11.08	10.23	10.81	10.18
257.6551	10.72	11.28	10.26	10.89	10.23
257.7497	10.66	11.13	10.22	10.88	10.36
257.8442	10.70	11.00	10.29	10.75	10.55
257.9388	10.66	10.81	10.27	10.65	10.61
258.0333	10.61	10.66	10.22	10.67	10.51

258.1279	10.56	10.51	10.16	10.58	10.41
258.2224	10.63	10.61	10.27	10.57	10.46
258.3170	10.70	10.36	10.14	10.64	10.64
258.4116	10.68	10.48	10.03	10.59	10.80
258.5061	10.63	10.23	9.86	10.55	10.80
258.6007	10.77	10.26	10.01	10.70	10.59
258.6952	10.80	10.30	9.94	10.79	10.69
258.7898	10.78	10.43	9.89	10.68	10.70
258.8843	10.72	10.37	9.80	10.67	10.67
258.9789	10.56	10.11	9.90	10.52	10.53
259.0734	10.51	10.22	9.73	10.58	10.37
259.1680	10.62	10.36	9.79	10.60	10.31
259.2625	10.58	10.11	9.72	10.78	10.31
259.3571	10.67	10.16	9.72	10.76	10.24
259.4516	10.46	10.04	9.76	10.71	10.39
259.5462	10.50	9.97	9.85	10.49	10.44
259.6407	10.52	9.95	9.76	10.46	10.53
259.7353	10.55	10.00	9.77	10.45	10.56
259.8298	10.49	9.78	9.67	10.45	10.52
259.9244	10.51	9.78	9.66	10.56	10.43
260.0189	10.58	9.49	9.65	10.59	10.35
260.1135	10.55	9.47	9.77	10.61	10.40
260.2080	10.56	9.44	9.82	10.68	10.40
260.3026	10.63	9.46	9.71	10.77	10.37
260.3972	10.72	9.42	9.74	10.92	10.32
260.4917	10.73	9.31	10.02	10.99	10.33
260.5863	10.72	9.10	9.81	10.92	10.44
260.6808	10.84	9.33	9.79	10.88	10.61
260.7754	10.77	9.18	9.77	10.93	10.57
260.8699	10.73	9.09	9.86	10.89	10.49
260.9645	10.70	8.79	9.86	10.80	10.50
261.0590	10.75	9.12	9.79	10.82	10.66
261.1536	10.85	9.18	9.78	10.74	10.82
261.2481	10.87	9.28	9.81	10.81	10.92
261.3427	11.00	9.10	9.74	10.86	10.90
261.4372	10.79	9.23	9.77	10.92	10.78
261.5318	10.81	9.17	9.72	10.78	10.71
261.6263	10.72	9.33	9.75	10.82	10.70
261.7209	10.81	9.19	9.64	10.92	10.59
261.8154	10.83	9.31	9.72	11.03	10.54
261.9100	10.79	9.12	9.79	10.95	10.58
262.0045	10.82	9.20	9.90	10.88	10.63
262.0991	10.70	9.37	9.83	10.76	10.69
262.1936	10.77	9.55	9.91	10.72	10.76
262.2882	10.87	9.21	9.86	10.85	10.84
262.3828	10.91	9.37	10.01	10.85	11.04
262.4773	10.95	9.47	9.84	10.68	10.99
262.5719	10.80	9.64	9.85	10.59	11.03
262.6664	10.72	9.34	9.83	10.58	10.95
262.7610	10.87	9.34	9.91	10.74	10.85
262.8555	10.88	9.25	9.93	10.77	10.87
262.9501	10.86	9.33	10.01	10.82	10.88
263.0446	10.91	9.16	10.11	10.75	10.93
263.1392	10.86	9.14	10.26	10.76	10.88
263.2337	10.95	9.03	10.37	10.87	10.92
263.3283	10.89	9.15	10.51	10.81	10.84
263.4228	10.84	9.05	10.55	10.84	10.77
263.5174	10.80	9.03	10.62	10.71	10.64
263.6119	10.56	9.00	10.52	10.71	10.60
263.7065	10.62	9.12	10.56	10.57	10.50
263.8010	10.61	9.06	10.54	10.58	10.45

263.8956	10.56	9.13	10.61	10.62	10.28
263.9901	10.36	9.00	10.55	10.50	10.15
264.0847	10.27	9.32	10.61	10.42	10.08
264.1792	10.20	9.39	10.65	10.34	10.13
264.2738	10.33	9.23	10.72	10.28	10.16
264.3684	10.28	9.10	10.69	10.27	10.22
264.4629	10.26	9.33	10.60	10.19	10.22
264.5575	10.20	9.35	10.54	10.19	10.11
264.6520	9.98	9.23	10.72	10.09	9.92
264.7466	10.01	9.21	10.72	10.10	9.76
264.8411	9.99	9.43	10.60	10.12	9.73
264.9357	9.93	9.30	10.68	10.11	9.72
265.0302	9.92	9.48	10.85	10.15	9.61
265.1248	9.98	9.36	10.81	10.18	9.53
265.2193	9.95	9.44	10.80	10.24	9.71
265.3139	10.06	9.29	10.58	10.29	9.70
265.4084	9.99	9.55	10.48	10.25	9.77
265.5030	10.11	9.43	10.40	10.08	9.78
265.5975	9.92	9.62	10.42	10.02	9.84
265.6921	9.99	9.68	10.37	9.99	9.79
265.7866	9.97	9.84	10.30	10.10	9.79
265.8812	9.94	9.79	10.30	10.19	9.63
265.9757	9.98	9.95	10.56	10.22	9.68
266.0703	10.07	10.08	10.61	10.04	9.88
266.1648	10.04	10.15	10.72	10.06	9.89
266.2594	10.10	9.99	10.68	10.16	10.00
266.3540	10.12	10.22	10.81	10.20	10.02
266.4485	10.10	10.12	10.75	10.08	10.01
266.5431	10.13	10.50	10.83	10.09	10.03
266.6376	10.23	10.33	10.81	10.20	10.14
266.7322	10.22	10.30	10.83	10.27	10.17
266.8267	10.16	10.50	10.72	10.26	9.99
266.9213	10.14	10.94	10.90	10.21	9.97
267.0158	10.12	10.66	10.88	10.09	10.06
267.1104	10.16	10.79	10.91	10.03	10.22
267.2049	10.16	10.80	10.81	10.03	10.19
267.2995	10.09	10.90	10.74	10.05	10.12
267.3940	10.17	10.70	10.65	10.05	10.19
267.4886	10.15	10.68	10.75	10.17	10.23
267.5831	10.24	10.63	10.66	10.14	10.29
267.6777	10.31	10.54	10.65	10.20	10.29
267.7722	10.31	10.45	10.57	10.29	10.23
267.8668	10.26	10.30	10.59	10.22	10.23
267.9613	10.33	10.15	10.33	10.25	10.28
268.0559	10.36	10.30	10.47	10.27	10.29
268.1504	10.31	10.05	10.33	10.23	10.32
268.2450	10.36	9.88	10.20	10.24	10.27
268.3396	10.28	9.84	10.20	10.28	10.31
268.4341	10.32	10.01	10.39	10.32	10.22
268.5287	10.29	9.79	10.40	10.35	10.21
268.6232	10.32	9.71	10.35	10.31	10.16
268.7178	10.25	9.39	10.35	10.53	10.07
268.8123	10.28	9.49	10.63	10.59	9.98
268.9069	10.40	9.36	10.43	10.55	10.08
269.0014	10.38	9.32	10.43	10.52	10.25
269.0960	10.51	9.25	10.55	10.53	10.31
269.1905	10.49	9.37	10.52	10.56	10.32
269.2851	10.47	9.19	10.35	10.59	10.30
269.3796	10.51	9.38	10.51	10.61	10.31
269.4742	10.56	9.24	10.42	10.65	10.39
269.5687	10.63	9.21	10.39	10.55	10.61

269.6633	10.67	9.11	10.25	10.60	10.69
269.7578	10.66	9.10	10.26	10.68	10.64
269.8524	10.76	8.89	10.26	10.67	10.48
269.9469	10.68	8.96	10.26	10.77	10.58
270.0415	10.74	8.91	10.16	10.71	10.65
270.1360	10.80	8.90	10.12	10.62	10.80
270.2306	10.81	8.68	10.15	10.69	10.86
270.3251	10.78	8.81	10.09	10.66	10.80
270.4197	10.87	8.85	10.06	10.72	10.82
270.5143	10.93	9.20	9.99	10.89	10.94
270.6088	10.97	8.94	9.92	10.76	10.94
270.7034	10.80	8.95	9.91	10.85	10.84
270.7979	10.79	9.02	9.92	10.83	10.65
270.8925	10.90	9.38	9.82	10.89	10.62
270.9870	10.96	8.95	9.72	10.96	10.74
271.0816	11.00	9.00	9.84	10.86	10.90
271.1761	10.84	9.12	9.80	10.71	10.83
271.2707	10.75	9.33	9.74	10.67	10.79
271.3652	10.75	9.20	9.77	10.70	10.76
271.4598	10.89	9.36	9.90	10.90	10.80
271.5543	10.91	9.50	9.89	10.87	10.75
271.6489	10.76	9.55	9.86	10.91	10.66
271.7434	10.68	9.49	9.88	10.88	10.60
271.8380	10.67	9.62	9.85	10.93	10.55
271.9325	10.77	9.71	9.81	10.91	10.50
272.0271	10.74	9.84	9.90	10.97	10.45
272.1216	10.80	9.75	9.94	10.93	10.53
272.2162	10.83	9.77	9.95	10.98	10.51
272.3107	10.77	9.87	9.80	11.11	10.54
272.4053	10.87	10.00	10.00	11.06	10.65
272.4999	10.99	9.77	9.99	11.02	10.81
272.5944	10.96	9.83	9.82	10.84	10.88
272.6890	10.80	9.83	9.68	10.90	10.82
272.7835	10.82	10.08	9.59	10.83	10.72
272.8781	10.69	10.11	9.56	10.76	10.65
272.9726	10.73	10.19	9.58	10.69	10.55
273.0672	10.66	10.24	9.46	10.66	10.57
273.1617	10.69	10.39	9.41	10.60	10.52
273.2563	10.65	10.35	9.45	10.83	10.46
273.3508	10.59	10.54	9.45	10.88	10.41
273.4454	10.76	10.44	9.46	10.87	10.38
273.5399	10.77	10.75	9.49	10.83	10.42
273.6345	10.60	10.59	9.29	10.74	10.58
273.7290	10.61	10.59	9.29	10.49	10.51
273.8236	10.50	10.71	9.27	10.40	10.59
273.9181	10.55	10.87	9.40	10.38	10.52
274.0127	10.41	10.71	9.20	10.37	10.46
274.1072	10.41	10.59	9.27	10.26	10.58
274.2018	10.47	10.59	9.26	10.24	10.59
274.2963	10.48	10.93	9.25	10.27	10.71
274.3909	10.57	10.86	9.20	10.32	10.57
274.4855	10.46	10.56	9.33	10.39	10.54
274.5800	10.55	10.49	9.28	10.54	10.42
274.6746	10.53	10.70	9.34	10.65	10.43
274.7691	10.55	10.50	9.37	10.55	10.42
274.8637	10.49	10.46	9.51	10.67	10.36
274.9582	10.68	10.18	9.54	10.72	10.33
275.0528	10.54	10.24	9.57	10.81	10.25
275.1473	10.55	10.04	9.53	10.81	10.28
275.2419	10.67	10.26	9.60	10.82	10.38
275.3364	10.72	10.02	9.59	10.80	10.45

275.4310	10.73	10.02	9.66	10.80	10.49
275.5255	10.56	9.84	9.65	10.59	10.46
275.6201	10.69	10.11	9.73	10.63	10.62
275.7146	10.74	10.13	9.83	10.66	10.73
275.8092	10.73	10.16	9.95	10.74	10.69
275.9037	10.73	10.05	10.05	10.71	10.52
275.9983	10.75	10.28	10.19	10.78	10.50
276.0928	10.79	10.35	10.09	10.81	10.57
276.1874	10.81	10.49	10.20	10.97	10.55
276.2819	10.76	10.59	10.11	11.01	10.36
276.3765	10.71	10.72	10.14	10.98	10.26
276.4711	10.63	10.68	10.17	10.93	10.25
276.5656	10.58	10.86	10.38	10.83	10.32
276.6602	10.62	10.84	10.37	10.72	10.40
276.7547	10.63	10.78	10.49	10.64	10.47
276.8493	10.69	10.57	10.47	10.77	10.58
276.9438	10.83	10.56	10.64	10.73	10.63
277.0384	10.68	10.48	10.57	10.78	10.63
277.1329	10.75	10.49	10.53	10.77	10.49
277.2275	10.59	10.30	10.51	10.68	10.49
277.3220	10.59	10.47	10.40	10.58	10.53
277.4166	10.75	10.40	10.35	10.75	10.53
277.5111	10.75	10.38	10.33	10.81	10.57
277.6057	10.76	10.16	10.25	10.92	10.61
277.7002	10.87	10.24	10.29	10.82	10.62
277.7948	10.69	10.26	10.26	10.77	10.70
277.8893	10.78	10.18	10.32	10.69	10.80
277.9839	10.93	9.99	10.28	10.81	11.03
278.0784	10.96	10.14	10.37	10.90	10.84
278.1730	10.84	10.18	10.22	10.85	10.71
278.2675	10.73	10.22	10.14	10.69	10.66
278.3621	10.73	10.01	9.94	10.53	10.77
278.4567	10.75	10.12	10.00	10.53	10.87
278.5512	10.70	10.22	9.95	10.53	10.78
278.6458	10.66	10.30	9.94	10.47	10.76
278.7403	10.63	10.44	9.82	10.42	10.73
278.8349	10.57	10.62	9.89	10.38	10.74
278.9294	10.65	10.56	9.89	10.39	10.60
279.0240	10.50	10.78	10.01	10.44	10.55
279.1185	10.43	10.77	9.97	10.38	10.40
279.2131	10.27	10.86	9.83	10.30	10.28
279.3076	10.29	10.64	9.83	10.15	10.30
279.4022	10.29	10.47	9.85	10.16	10.31
279.4967	10.37	10.56	9.71	10.19	10.26
279.5913	10.22	10.72	9.67	10.23	10.30
279.6858	10.12	10.23	9.65	10.05	10.19
279.7804	10.20	10.36	9.66	10.17	10.14
279.8749	10.32	10.28	9.64	10.26	10.11
279.9695	10.28	10.36	9.71	10.45	10.05
280.0640	10.17	10.04	9.78	10.41	9.86
280.1586	10.12	9.97	9.68	10.34	9.77
280.2531	10.13	9.70	9.73	10.29	10.00
280.3477	10.31	9.70	9.82	10.33	10.06
280.4423	10.39	9.41	9.89	10.52	10.16
280.5368	10.47	9.41	10.03	10.75	10.14
280.6314	10.48	9.15	9.94	10.70	10.23
280.7259	10.49	9.35	10.06	10.52	10.38
280.8205	10.46	9.34	10.16	10.44	10.45
280.9150	10.42	9.31	10.26	10.42	10.34
281.0096	10.38	9.21	10.06	10.53	10.23
281.1041	10.32	9.31	10.11	10.54	10.07

281.1987	10.28	9.26	10.10	10.51	10.20
281.2932	10.46	9.26	10.09	10.45	10.33
281.3878	10.49	8.93	9.96	10.44	10.34
281.4823	10.48	9.25	10.06	10.51	10.44
281.5769	10.54	9.12	10.17	10.62	10.41
281.6714	10.47	9.33	10.31	10.61	10.36
281.7660	10.55	9.40	10.26	10.57	10.47
281.8605	10.70	9.48	10.33	10.49	10.62
281.9551	10.60	9.33	10.47	10.52	10.59
282.0496	10.49	9.53	10.51	10.50	10.42
282.1442	10.49	9.42	10.33	10.51	10.38
282.2387	10.47	9.49	10.38	10.53	10.48
282.3333	10.65	9.18	10.36	10.66	10.60
282.4278	10.70	9.24	10.46	10.70	10.61
282.5224	10.59	9.16	10.36	10.64	10.63
282.6170	10.75	9.25	10.35	10.64	10.53
282.7115	10.66	9.06	10.32	10.83	10.64
282.8061	10.81	8.90	10.46	10.77	10.62
282.9006	10.88	8.74	10.42	10.89	10.64
282.9952	10.87	8.74	10.54	10.98	10.67
283.0897	10.86	8.53	10.48	11.00	10.54
283.1843	10.77	8.61	10.51	10.99	10.45
283.2788	10.79	8.46	10.54	10.90	10.51
283.3734	10.80	8.31	10.60	10.95	10.63
283.4679	10.76	8.45	10.67	10.82	10.66
283.5625	10.65	8.64	10.64	10.85	10.56
283.6570	10.77	8.44	10.56	10.90	10.44
283.7516	10.72	8.29	10.61	10.86	10.48
283.8461	10.62	8.33	10.44	10.68	10.48
283.9407	10.49	8.44	10.52	10.62	10.35
284.0352	10.48	8.20	10.49	10.59	10.29
284.1298	10.51	8.30	10.38	10.64	10.25
284.2243	10.41	8.27	10.28	10.50	10.22
284.3189	10.31	8.55	10.48	10.32	10.29
284.4134	10.31	8.60	10.41	10.25	10.27
284.5080	10.24	8.83	10.31	10.26	10.22
284.6026	10.24	8.94	10.30	10.34	10.13
284.6971	10.30	9.12	10.35	10.34	10.06
284.7917	10.13	9.04	10.30	10.14	10.05
284.8862	10.13	9.18	10.38	10.17	10.12
284.9808	10.23	9.14	10.38	10.12	10.15
285.0753	10.18	9.33	10.27	10.18	10.07
285.1699	10.22	9.46	10.15	10.31	9.99
285.2644	10.17	9.55	10.25	10.18	10.17
285.3590	10.31	9.51	10.32	10.07	10.37
285.4535	10.32	9.84	10.39	10.11	10.41
285.5481	10.28	9.89	10.19	10.06	10.48
285.6426	10.33	10.01	10.33	10.10	10.42
285.7372	10.37	9.74	10.44	10.16	10.48
285.8317	10.42	9.83	10.57	10.18	10.43
285.9263	10.31	9.84	10.41	10.22	10.47
286.0208	10.43	10.01	10.53	10.29	10.51
286.1154	10.46	9.85	10.62	10.33	10.47
286.2099	10.43	9.98	10.83	10.31	10.44
286.3045	10.47	10.05	10.83	10.48	10.40
286.3990	10.46	10.19	10.77	10.62	10.28
286.4936	10.48	10.31	10.55	10.74	10.14
286.5882	10.55	10.60	10.62	10.71	10.17
286.6827	10.48	10.39	10.49	10.63	10.27
286.7773	10.44	10.48	10.41	10.50	10.19
286.8718	10.23	10.50	10.27	10.36	10.14

286.9664	10.14	10.77	10.43	10.26	10.09
287.0609	10.20	10.57	10.38	10.27	10.04
287.1555	10.27	10.69	10.39	10.22	10.10
287.2500	10.30	10.64	10.54	10.28	10.29
287.3446	10.25	10.71	10.63	10.24	10.33
287.4391	10.18	10.68	10.64	10.26	10.23
287.5337	10.30	10.80	10.54	10.40	10.00
287.6282	10.28	10.56	10.59	10.46	9.91
287.7228	10.22	10.41	10.76	10.44	9.84
287.8173	10.11	10.41	10.61	10.44	9.72
287.9119	10.05	10.59	10.60	10.40	9.69
288.0064	10.04	10.52	10.53	10.35	9.70
288.1010	10.12	10.41	10.64	10.28	9.72
288.1955	10.14	10.34	10.63	10.32	9.91
288.2901	10.24	10.61	10.58	10.27	10.08
288.3846	10.25	10.32	10.37	10.14	10.17
288.4792	10.18	10.21	10.61	10.20	10.21
288.5738	10.26	9.99	10.45	10.18	10.23
288.6683	10.24	9.99	10.51	10.12	10.14
288.7629	10.18	9.84	10.62	10.21	10.06
288.8574	10.21	9.86	10.61	10.29	10.08
288.9520	10.16	9.70	10.61	10.26	10.01
289.0465	10.25	9.97	10.53	10.34	10.06
289.1411	10.45	9.85	10.54	10.35	10.15
289.2356	10.41	9.87	10.44	10.49	10.30
289.3302	10.53	9.88	10.27	10.53	10.25
289.4247	10.40	9.95	10.29	10.48	10.34
289.5193	10.38	9.72	10.11	10.41	10.28
289.6138	10.47	9.65	10.02	10.33	10.43
289.7084	10.54	9.63	9.94	10.38	10.43
289.8029	10.38	9.65	9.98	10.41	10.43
289.8975	10.34	9.69	9.85	10.11	10.44
289.9920	10.32	9.82	9.91	10.24	10.45
290.0866	10.43	9.69	9.77	10.30	10.48
290.1811	10.64	9.98	9.73	10.44	10.60
290.2757	10.60	9.91	9.64	10.49	10.72
290.3702	10.63	9.98	9.65	10.52	10.66
290.4648	10.60	10.03	9.50	10.53	10.63
290.5594	10.71	9.99	9.40	10.60	10.61
290.6539	10.82	9.75	9.32	10.86	10.66
290.7485	10.86	9.90	9.33	10.84	10.72
290.8430	10.77	9.88	9.27	10.77	10.78
290.9376	10.83	9.89	9.30	10.76	10.69
291.0321	10.82	9.64	9.29	10.92	10.64
291.1267	10.95	9.72	9.42	10.99	10.76
291.2212	11.06	9.82	9.43	11.09	10.97
291.3158	11.06	9.96	9.58	11.08	10.99
291.4103	10.91	9.71	9.60	11.02	10.80
291.5049	10.87	9.75	9.62	11.05	10.71
291.5994	11.01	9.81	9.51	11.15	10.74
291.6940	11.01	9.81	9.53	11.17	10.78
291.7885	10.97	9.77	9.63	11.23	10.79
291.8831	11.06	9.93	9.61	11.12	10.84
291.9776	11.04	9.85	9.58	11.22	10.92
292.0722	11.30	9.81	9.68	11.34	11.00
292.1667	11.35	9.87	9.85	11.34	11.07
292.2613	11.11	9.95	10.00	11.20	10.93
292.3558	10.96	9.75	9.94	11.17	10.77
292.4504	10.88	9.80	9.95	11.06	10.79
292.5449	10.82	9.53	9.78	10.93	10.82
292.6395	10.95	9.71	9.86	10.85	10.86

292.7341	10.96	9.79	9.72	10.96	10.97
292.8286	10.96	9.81	9.63	11.03	10.85
292.9232	10.92	9.65	9.59	11.04	10.78
293.0177	10.91	9.88	9.62	10.99	10.78
293.1123	11.07	9.86	9.55	10.95	10.94
293.2068	11.08	9.86	9.54	11.04	11.14
293.3014	11.09	9.61	9.40	11.00	11.04
293.3959	10.98	9.81	9.38	11.02	10.95
293.4905	11.04	9.69	9.26	11.00	10.90
293.5850	11.05	9.59	9.34	10.96	11.00
293.6796	11.03	9.63	9.24	10.86	11.09
293.7741	11.01	9.75	9.30	10.96	11.05
293.8687	11.05	9.69	9.26	10.88	10.89
293.9632	10.89	9.73	9.33	10.86	10.95
294.0578	10.97	9.69	9.27	10.80	10.86
294.1523	10.78	9.81	9.38	10.75	10.81
294.2469	10.77	9.70	9.31	10.71	10.80
294.3414	10.86	9.81	9.39	10.83	10.79
294.4360	10.84	9.67	9.39	10.82	10.74
294.5305	10.89	9.78	9.54	10.89	10.66
294.6251	10.82	9.68	9.54	10.97	10.67
294.7197	10.80	9.95	9.63	11.00	10.62
294.8142	10.85	10.00	9.75	10.96	10.45
294.9088	10.78	10.13	9.99	10.92	10.41
295.0033	10.68	10.05	9.96	10.73	10.52
295.0979	10.68	10.19	10.01	10.64	10.63
295.1924	10.64	10.19	10.11	10.68	10.52
295.2870	10.57	10.30	10.17	10.70	10.41
295.3815	10.59	10.12	9.98	10.65	10.37
295.4761	10.60	10.24	9.99	10.57	10.46
295.5706	10.51	10.18	10.02	10.54	10.48
295.6652	10.47	10.46	10.03	10.53	10.34
295.7597	10.47	10.44	9.92	10.62	10.25
295.8543	10.49	10.65	10.04	10.63	10.13
295.9488	10.51	10.64	9.97	10.58	10.20
296.0434	10.46	10.55	9.96	10.41	10.22
296.1379	10.26	10.60	10.06	10.42	10.15
296.2325	10.26	10.82	10.13	10.36	10.04
296.3270	10.31	10.60	10.10	10.42	10.07
296.4216	10.23	10.52	10.16	10.19	10.16
296.5161	10.17	10.64	10.19	10.04	10.29
296.6107	10.18	10.97	10.19	10.00	10.28
296.7053	10.15	10.93	10.20	10.06	10.22
296.7998	10.24	10.90	10.32	10.14	10.22
296.8944	10.29	10.94	10.22	10.16	10.28
296.9889	10.27	11.22	10.13	10.08	10.34
297.0835	10.19	11.03	10.15	10.10	10.29
297.1780	10.20	11.14	10.26	10.17	10.20
297.2726	10.32	11.04	10.15	10.24	10.23
297.3671	10.28	11.36	10.05	10.25	10.26
297.4617	10.34	11.13	10.14	10.27	10.22
297.5562	10.36	11.19	10.29	10.39	10.29
297.6508	10.34	11.17	10.45	10.48	10.33
297.7453	10.43	11.23	10.47	10.57	10.28
297.8399	10.41	11.04	10.33	10.46	10.26
297.9344	10.45	10.84	10.35	10.59	10.33
298.0290	10.54	10.62	10.28	10.63	10.28
298.1235	10.49	10.80	10.19	10.71	10.25
298.2181	10.57	10.60	10.12	10.74	10.16
298.3126	10.46	10.52	10.00	10.78	10.11
298.4072	10.50	10.46	9.78	10.58	10.17

298.5017	10.49	10.57	9.94	10.51	10.45
298.5963	10.62	10.57	9.86	10.54	10.53
298.6909	10.58	10.66	10.09	10.64	10.41
298.7854	10.56	10.29	9.95	10.67	10.18
298.8800	10.39	10.22	9.96	10.67	10.17
298.9745	10.44	10.06	10.11	10.52	10.18
299.0691	10.27	10.06	10.12	10.51	10.06
299.1636	10.21	9.75	10.08	10.38	9.90
299.2582	10.25	9.74	10.15	10.52	9.73
299.3527	10.27	9.56	10.17	10.60	9.76
299.4473	10.31	9.59	10.23	10.50	10.01
299.5418	10.27	9.49	10.34	10.42	10.19
299.6364	10.27	9.63	10.34	10.33	10.17
299.7309	10.32	9.26	10.28	10.38	10.18
299.8255	10.41	9.19	10.33	10.39	10.31
299.9200	10.49	9.03	10.32	10.31	10.46
300.0146	10.36	8.99	10.41	10.20	10.43
300.1091	10.20	8.85	10.36	10.19	10.37

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_8\Relazione\L8_G.doc
 HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: LINEA 8 - Portata massima 200 l/s
 Filename = L8_G.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_8\Relazione\L8_G.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 11: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

 PUMP at Node 12: Pump Performance Data
 ==========-
 Not available for other pump options

 PUMP at Node 13: Pump Performance Data
 ==========-
 Not available for other pump options

 PUMP at Node 14: Pump Performance Data
 ==========-
 Not available for other pump options

AIRV at Node 25: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 31: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm

```
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 46: Air Valve Performance Data
==========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 47: Air Valve Performance Data
==========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 49: Air Valve Performance Data
==========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 52: Air Valve Performance Data
==========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
```

Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 54: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 56: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 59: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

All.4 Verifiche in moto vario

9. Comizio irriguo n.9

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_9\Relazione\L9-B.doc
HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: Linea 3 - Portata massima 200 l/s
Filename = L9-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_9\Relazione\L9-B.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	90.66	12.53	95.36	17.23
1	2	90.47	12.32	95.37	17.22
2	1	90.66	12.53	95.36	17.23
2	2	90.53	12.48	95.28	17.23
2	3	90.39	12.39	95.19	17.19
2	4	90.25	12.30	95.10	17.15
2	5	90.10	12.23	95.00	17.13
3	1	90.10	12.23	95.00	17.13
3	2	89.96	12.17	94.91	17.12
3	3	89.82	12.15	94.82	17.15
3	4	89.68	12.09	94.73	17.14
3	5	89.54	11.98	94.64	17.08
3	6	89.40	11.89	94.55	17.04
3	7	89.26	11.82	94.46	17.02
3	8	89.12	11.82	94.37	17.07
3	9	88.98	11.80	94.28	17.10
4	1	88.98	11.80	94.28	17.10
4	2	88.84	11.71	94.19	17.06
4	3	88.70	11.62	94.10	17.02
4	4	88.57	11.55	94.02	17.00
4	5	88.43	11.53	93.93	17.03
4	6	88.28	11.53	93.83	17.08
4	7	88.14	11.45	93.74	17.05
4	8	88.00	11.33	93.65	16.98
4	9	87.86	11.24	93.56	16.94
5	1	87.86	11.24	93.56	16.94
5	2	87.17	11.05	93.07	16.95
5	3	86.51	10.89	92.61	16.99
6	1	86.51	10.89	92.61	16.99
6	2	86.38	10.87	92.52	17.01
6	3	86.23	10.89	92.42	17.08
6	4	86.12	10.89	92.35	17.13
6	5	86.00	10.80	92.28	17.08
7	1	86.00	10.80	92.28	17.08
7	2	86.04	10.82	92.28	17.05
7	3	86.00	10.86	92.18	17.05
7	4	85.97	10.94	92.11	17.09
7	5	85.95	11.05	92.05	17.14
7	6	85.91	11.11	91.96	17.16
8	1	85.91	11.11	91.96	17.16
8	2	85.87	11.11	91.87	17.11
8	3	85.83	11.15	91.78	17.10
8	4	85.80	11.21	91.70	17.11

8	5	85.76	11.28	91.61	17.13
8	6	85.73	11.32	91.53	17.12
8	7	85.69	11.34	91.44	17.09
8	8	85.67	11.35	91.37	17.05
8	9	85.64	11.39	91.29	17.04
9	1	85.64	11.39	91.29	17.04
9	2	85.61	11.46	91.20	17.06
9	3	85.57	11.51	91.11	17.05
9	4	85.52	11.56	91.01	17.05
10	1	85.52	11.56	91.01	17.05
10	2	85.39	11.48	90.93	17.02
10	3	85.26	11.42	90.85	17.01
10	4	85.13	11.38	90.77	17.02
10	5	85.00	11.36	90.68	17.04
10	6	84.87	11.35	90.60	17.08
11	1	84.87	11.35	90.60	17.08
11	2	84.74	11.28	90.52	17.06
11	3	84.60	11.19	90.43	17.02
11	4	84.46	11.13	90.34	17.01
11	5	84.32	11.10	90.25	17.03
11	6	84.19	11.10	90.17	17.08
11	7	84.05	11.03	90.08	17.06
11	8	83.91	10.95	89.99	17.03
11	9	83.77	10.90	89.90	17.03
12	1	83.77	10.90	89.90	17.03
12	2	83.63	10.86	89.81	17.04
12	3	83.48	10.85	89.71	17.08
12	4	83.32	10.85	89.60	17.13
12	5	83.18	10.77	89.51	17.10
12	6	83.03	10.69	89.41	17.07
12	7	82.88	10.62	89.31	17.05
12	8	82.72	10.61	89.20	17.09
12	9	82.56	10.64	89.09	17.17
13	1	82.56	10.64	89.09	17.17
13	2	82.49	10.56	89.07	17.14
13	3	82.43	10.50	89.06	17.13
14	1	90.66	12.53	95.36	17.23
14	2	90.51	12.45	95.27	17.20
14	3	90.36	12.37	95.17	17.18
14	4	90.21	12.31	95.07	17.17
14	5	90.06	12.26	94.97	17.17
14	6	89.92	12.17	94.88	17.13
14	7	89.76	12.06	94.78	17.08
14	8	89.61	12.00	94.68	17.07
15	1	89.61	12.00	94.68	17.07
15	2	89.46	11.98	94.58	17.10
15	3	89.31	11.95	94.49	17.12
15	4	89.16	11.86	94.39	17.08
15	5	89.01	11.75	94.29	17.03
15	6	88.87	11.70	94.19	17.02
15	7	88.73	11.68	94.11	17.06
15	8	88.59	11.67	94.02	17.10
16	1	88.59	11.67	94.02	17.10
16	2	88.45	11.59	93.93	17.07
16	3	88.31	11.49	93.84	17.02
16	4	88.17	11.44	93.75	17.02
16	5	88.03	11.43	93.66	17.06
16	6	87.88	11.42	93.56	17.10
16	7	87.74	11.36	93.47	17.09
17	1	87.74	11.36	93.47	17.09
17	2	87.59	11.26	93.37	17.05

17	3	87.44	11.20	93.28	17.03
17	4	87.29	11.17	93.18	17.06
17	5	87.14	11.17	93.08	17.11
17	6	86.99	11.14	92.98	17.13
17	7	86.84	11.05	92.89	17.10
17	8	86.69	10.98	92.79	17.08
17	9	86.53	10.96	92.68	17.11
18	1	86.53	10.96	92.68	17.11
18	2	86.38	10.95	92.58	17.15
18	3	86.23	10.95	92.48	17.20
18	4	86.06	10.86	92.37	17.16
18	5	85.90	10.78	92.26	17.14
18	6	85.75	10.75	92.16	17.15
18	7	85.60	10.76	92.06	17.21
18	8	85.43	10.76	91.94	17.27
19	1	85.43	10.76	91.94	17.27
19	2	85.37	10.65	91.92	17.21
19	3	85.29	10.56	91.90	17.16
19	4	85.22	10.49	91.87	17.14
20	1	90.47	12.32	95.37	17.22
20	2	90.34	12.14	95.29	17.09
20	3	90.18	12.00	95.18	17.00
20	4	90.03	11.92	95.08	16.97
20	5	89.90	11.95	95.00	17.05
21	1	89.90	11.95	95.00	17.05
21	2	89.76	12.00	94.91	17.15
21	3	89.61	11.83	94.81	17.03
21	4	89.45	11.68	94.70	16.93
21	5	89.30	11.62	94.60	16.92
21	6	89.15	11.61	94.50	16.96
21	7	88.99	11.67	94.39	17.07
21	8	88.84	11.60	94.29	17.05
21	9	88.69	11.43	94.19	16.93
22	1	88.69	11.43	94.19	16.93
22	2	88.55	11.34	94.10	16.89
22	3	88.42	11.31	94.02	16.91
22	4	88.26	11.36	93.91	17.01
22	5	88.11	11.30	93.81	17.00
22	6	87.98	11.19	93.73	16.94
22	7	87.85	11.07	93.65	16.87
22	8	87.71	11.03	93.56	16.88
22	9	87.55	11.06	93.45	16.96
23	1	87.55	11.06	93.45	16.96
23	2	87.41	11.01	93.36	16.96
23	3	87.27	10.99	93.27	16.99
23	4	87.13	10.84	93.18	16.89
23	5	86.97	10.77	93.07	16.87
23	6	86.85	10.77	93.00	16.92
23	7	86.72	10.79	92.92	16.99
23	8	86.58	10.75	92.83	17.00
23	9	86.42	10.66	92.72	16.96
24	1	86.42	10.66	92.72	16.96
24	2	86.33	10.55	92.72	16.94
25	1	86.33	10.55	92.72	16.94
25	2	86.39	10.65	92.73	16.99
25	3	86.34	10.76	92.63	17.04
25	4	86.29	10.81	92.53	17.05
25	5	86.24	10.88	92.42	17.07
25	6	86.20	10.86	92.33	17.00
25	7	86.16	10.90	92.24	16.98
26	1	86.16	10.90	92.24	16.98

26	2	86.12	10.97	92.15	17.00
26	3	86.07	10.99	92.05	16.97
26	4	86.02	11.06	91.95	16.99
26	5	85.99	11.10	91.87	16.98
26	6	85.95	11.13	91.78	16.96
26	7	85.89	11.18	91.67	16.96
26	8	85.85	11.17	91.58	16.90
26	9	85.81	11.23	91.49	16.91
27	1	85.81	11.23	91.49	16.91
27	2	85.77	11.37	91.40	16.99
27	3	85.72	11.40	91.29	16.97
27	4	85.65	11.44	91.18	16.96
27	5	85.61	11.45	91.08	16.92
27	6	85.57	11.49	90.99	16.91
27	7	85.52	11.58	90.89	16.95
28	1	85.52	11.58	90.89	16.95
28	2	85.43	11.54	90.88	16.99
29	1	85.43	11.54	90.88	16.99
29	2	85.30	11.46	90.80	16.96
29	3	85.18	11.36	90.73	16.91
29	4	85.05	11.28	90.65	16.88
29	5	84.89	11.24	90.54	16.89
29	6	84.74	11.27	90.44	16.97
29	7	84.62	11.24	90.37	16.99
29	8	84.49	11.10	90.29	16.90
29	9	84.33	11.01	90.18	16.86
30	1	84.33	11.01	90.18	16.86
30	2	84.19	10.97	90.09	16.87
30	3	84.06	11.02	90.01	16.97
30	4	83.91	11.10	89.91	17.10
30	5	83.75	10.96	89.80	17.01
30	6	83.58	10.84	89.68	16.94
30	7	83.45	10.78	89.60	16.93
30	8	83.31	10.79	89.51	16.99
30	9	83.15	10.87	89.40	17.12
31	1	90.47	12.32	95.37	17.22
31	2	90.33	12.27	95.28	17.22
31	3	90.18	12.22	95.19	17.23
31	4	90.04	12.16	95.10	17.22
31	5	89.90	12.07	95.01	17.18
31	6	89.75	11.99	94.92	17.16
31	7	89.60	11.94	94.82	17.15
31	8	89.45	11.87	94.72	17.14
32	1	89.45	11.87	94.72	17.14
32	2	89.30	11.84	94.62	17.16
32	3	89.16	11.76	94.53	17.13
32	4	89.02	11.68	94.44	17.10
32	5	88.87	11.60	94.35	17.08
32	6	88.74	11.53	94.27	17.06
32	7	88.60	11.51	94.18	17.09
32	8	88.45	11.46	94.08	17.09
33	1	88.45	11.46	94.08	17.09
33	2	88.31	11.40	93.99	17.08
33	3	88.16	11.32	93.89	17.05
33	4	88.01	11.25	93.79	17.03
33	5	87.86	11.22	93.69	17.05
33	6	87.71	11.19	93.60	17.08
33	7	87.57	11.15	93.51	17.09
33	8	87.43	11.08	93.42	17.07
34	1	87.43	11.08	93.42	17.07
34	2	87.30	11.01	93.33	17.05

34	3	87.17	10.97	93.25	17.05
34	4	87.03	10.95	93.16	17.08
34	5	86.90	10.95	93.07	17.12
34	6	86.77	10.90	92.99	17.12
34	7	86.64	10.84	92.91	17.11
34	8	86.51	10.79	92.82	17.10
35	1	86.51	10.79	92.82	17.10
35	2	86.55	10.85	92.83	17.13
36	1	86.55	10.85	92.83	17.13
36	2	86.49	10.95	92.72	17.18
36	3	86.44	11.03	92.61	17.21
36	4	86.37	11.06	92.50	17.18
36	5	86.31	11.11	92.39	17.18
36	6	86.26	11.17	92.28	17.20
36	7	86.20	11.26	92.17	17.23
36	8	86.15	11.32	92.07	17.24
37	1	82.43	10.50	89.06	17.13
37	2	82.48	10.54	89.06	17.12
37	3	82.40	10.56	88.94	17.10
37	4	82.33	10.59	88.81	17.08
37	5	82.28	10.58	88.71	17.02
37	6	82.19	10.56	88.58	16.95
37	7	82.10	10.60	88.44	16.94
38	1	82.10	10.60	88.44	16.94
38	2	82.05	10.66	88.34	16.95
38	3	82.00	10.73	88.24	16.97
38	4	81.94	10.75	88.13	16.94
38	5	81.88	10.75	88.02	16.89
38	6	81.81	10.80	87.90	16.89
38	7	81.75	10.85	87.79	16.89
38	8	81.68	10.94	87.67	16.93
38	9	81.59	11.00	87.53	16.94
39	1	81.59	11.00	87.53	16.94
39	2	81.51	11.01	87.40	16.90
39	3	81.46	11.03	87.30	16.87
39	4	81.39	11.07	87.18	16.86
39	5	81.33	11.15	87.07	16.89
39	6	81.25	11.25	86.94	16.94
39	7	81.17	11.31	86.81	16.95
40	1	81.17	11.31	86.81	16.95
40	2	81.01	11.24	86.70	16.93
40	3	80.83	11.18	86.57	16.92
41	1	80.83	11.18	86.57	16.92
41	2	80.64	11.15	86.43	16.94
41	3	80.46	11.12	86.30	16.96
41	4	80.31	11.11	86.20	17.00
41	5	80.15	11.07	86.09	17.01
41	6	79.96	11.03	85.95	17.02
41	7	79.77	10.99	85.81	17.03
41	8	79.57	11.01	85.66	17.10
41	9	79.40	11.03	85.54	17.17
42	1	85.22	10.49	91.87	17.14
42	2	85.27	10.51	91.87	17.11
42	3	85.19	10.53	91.73	17.08
42	4	85.10	10.51	91.59	17.01
42	5	84.99	10.51	91.43	16.95
43	1	84.99	10.51	91.43	16.95
43	2	84.89	10.57	91.28	16.96
43	3	84.80	10.63	91.14	16.96
43	4	84.72	10.66	91.00	16.95
43	5	84.62	10.66	90.86	16.90

43	6	84.52	10.67	90.70	16.85
43	7	84.43	10.73	90.57	16.86
43	8	84.35	10.79	90.43	16.87
44	1	84.35	10.79	90.43	16.87
44	2	84.25	10.86	90.28	16.89
44	3	84.16	10.87	90.13	16.85
44	4	84.06	10.91	89.98	16.83
44	5	83.98	10.99	89.85	16.87
44	6	83.89	11.07	89.71	16.89
44	7	83.79	11.17	89.57	16.94
44	8	83.70	11.19	89.42	16.91
45	1	83.70	11.19	89.42	16.91
45	2	83.60	11.22	89.27	16.88
45	3	83.51	11.28	89.13	16.90
45	4	83.42	11.36	88.98	16.92
45	5	83.33	11.45	88.84	16.97
45	6	83.23	11.53	88.69	17.00
45	7	83.13	11.55	88.55	16.96
45	8	83.05	11.62	88.41	16.98
46	1	83.05	11.62	88.41	16.98
46	2	82.94	11.72	88.25	17.03
46	3	82.83	11.83	88.09	17.09
46	4	82.73	11.88	87.94	17.09
46	5	82.63	11.91	87.79	17.07
46	6	82.52	11.99	87.63	17.09
46	7	82.42	12.08	87.47	17.13
46	8	82.31	12.20	87.31	17.20
47	1	83.15	10.87	89.40	17.12
47	2	82.97	10.77	89.27	17.07
47	3	82.79	10.65	89.14	17.00
47	4	82.62	10.53	89.02	16.93
47	5	82.42	10.45	88.87	16.90
47	6	82.22	10.42	88.72	16.92
47	7	82.03	10.38	88.58	16.93
47	8	81.86	10.24	88.46	16.84
47	9	81.67	10.13	88.32	16.78
48	1	81.67	10.13	88.32	16.78
48	2	81.59	10.04	88.32	16.77
49	1	81.59	10.04	88.32	16.77
49	2	81.65	10.13	88.33	16.81
49	3	81.58	10.21	88.21	16.84
49	4	81.48	10.25	88.06	16.82
49	5	81.39	10.29	87.91	16.81
49	6	81.29	10.39	87.76	16.86
49	7	81.21	10.49	87.63	16.91
50	1	81.21	10.49	87.63	16.91
50	2	81.13	10.55	87.50	16.92
50	3	81.04	10.57	87.36	16.89
50	4	80.94	10.59	87.21	16.86
50	5	80.85	10.67	87.07	16.89
50	6	80.79	10.75	86.96	16.92
50	7	80.69	10.83	86.81	16.95
50	8	80.59	10.83	86.66	16.90
50	9	80.52	10.87	86.54	16.89
51	1	80.52	10.87	86.54	16.89
51	2	80.62	10.98	86.56	16.92
52	1	80.62	10.98	86.56	16.92
52	2	80.39	10.95	86.42	16.98
52	3	80.12	10.92	86.25	17.05
52	4	79.90	10.82	86.12	17.05
52	5	79.67	10.72	85.99	17.03

52	6	79.44	10.67	85.85	17.08
52	7	79.19	10.64	85.70	17.15
52	8	78.95	10.62	85.55	17.22
53	1	86.15	11.32	92.07	17.24
53	2	86.07	11.33	91.94	17.19
53	3	85.99	11.35	91.81	17.17
53	4	85.91	11.36	91.67	17.13
53	5	85.82	11.38	91.54	17.09
53	6	85.74	11.42	91.40	17.09
53	7	85.66	11.45	91.27	17.06
53	8	85.58	11.48	91.14	17.04
54	1	85.58	11.48	91.14	17.04
54	2	85.49	11.49	91.00	17.00
54	3	85.40	11.51	90.86	16.97
54	4	85.32	11.56	90.73	16.96
54	5	85.24	11.61	90.60	16.96
54	6	85.15	11.65	90.46	16.95
54	7	85.08	11.67	90.33	16.92
54	8	84.99	11.69	90.19	16.89
55	1	84.99	11.69	90.19	16.89
55	2	84.91	11.73	90.06	16.89
55	3	84.84	11.78	89.94	16.89
55	4	84.76	11.84	89.82	16.90
56	1	84.76	11.84	89.82	16.90
56	2	84.56	11.76	89.68	16.87
56	3	84.36	11.68	89.53	16.85
56	4	84.17	11.64	89.39	16.86
56	5	83.96	11.59	89.24	16.87
57	1	83.96	11.59	89.24	16.87
57	2	83.75	11.54	89.09	16.88
57	3	83.53	11.51	88.93	16.91
57	4	83.32	11.43	88.78	16.89
57	5	83.10	11.38	88.62	16.90
57	6	82.89	11.34	88.47	16.92
57	7	82.69	11.33	88.33	16.97
58	1	82.69	11.33	88.33	16.97
58	2	82.49	11.34	88.18	17.04
58	3	82.29	11.31	88.03	17.05
58	4	82.10	11.29	87.89	17.08
58	5	81.89	11.26	87.74	17.11
58	6	81.70	11.26	87.60	17.15
58	7	81.51	11.26	87.46	17.21
58	8	81.30	11.23	87.30	17.23
59	1	79.40	11.03	85.54	17.17
59	2	79.27	10.90	85.56	17.20
59	3	79.13	10.77	85.57	17.22
59	4	78.95	10.62	85.55	17.22
60	1	82.31	12.20	87.31	17.20
60	2	81.81	11.73	87.31	17.23
60	3	81.30	11.23	87.30	17.23
101	1	11.30	-4.76	18.79	2.73
101	2	18.32	-10.05	26.97	-1.40
102	1	11.30	-4.76	18.79	2.73
102	2	18.35	-10.13	27.00	-1.48
103	1	11.30	-4.76	18.79	2.73
103	2	19.08	-7.88	27.73	0.77
104	1	86.81	2.75	95.46	11.40
104	2	84.65	5.87	95.33	16.55
105	1	86.84	2.96	95.49	11.61
105	2	84.68	6.29	95.36	16.97
106	1	86.80	3.23	95.45	11.88

106	2	84.70	5.94	95.38	16.62
107	1	84.65	5.87	95.33	16.55
107	2	84.68	6.29	95.36	16.97
108	1	84.68	6.29	95.36	16.97
108	2	84.70	5.94	95.38	16.62
109	1	84.70	5.94	95.38	16.62
109	2	88.54	9.76	95.41	16.63
110	1	88.54	9.76	95.41	16.63
110	2	88.53	10.01	95.40	16.88
111	1	88.53	10.01	95.40	16.88
111	2	90.66	12.53	95.36	17.23
112	1	86.89	1.40	95.54	10.05
112	2	86.81	2.75	95.46	11.40
113	1	86.91	0.89	95.56	9.54
113	2	86.84	2.96	95.49	11.61
114	1	86.84	2.01	95.49	10.66
114	2	86.80	3.23	95.45	11.88
115	1	82.31	12.20	87.31	17.20
115	2	82.31	12.19	87.31	17.19
116	1	82.27	12.19	87.27	17.19
116	2	82.27	12.13	87.27	17.13
117	1	82.23	12.13	87.23	17.13
117	2	79.88	9.74	87.24	17.10
118	1	85.43	10.76	91.94	17.27
118	2	85.43	10.73	91.94	17.24
119	1	85.39	10.73	91.90	17.24
119	2	85.40	10.71	91.91	17.22
120	1	85.36	10.71	91.87	17.22
120	2	83.82	9.14	91.88	17.20
121	1	82.56	10.64	89.09	17.17
121	2	82.57	10.51	89.10	17.04
122	1	82.53	10.51	89.06	17.04
122	2	82.53	10.32	89.06	16.85
123	1	82.49	10.32	89.02	16.85
123	2	80.92	8.67	89.03	16.78
124	1	79.40	11.03	85.54	17.17
124	2	79.38	11.02	85.52	17.16
125	1	79.34	11.02	85.48	17.16
125	2	79.37	10.97	85.51	17.11
126	1	79.33	10.97	85.47	17.11
126	2	77.19	8.78	85.48	17.07
127	1	81.30	11.23	87.30	17.23
127	2	81.30	11.24	87.30	17.24
128	1	81.26	11.24	87.26	17.24
128	2	81.27	11.21	87.27	17.21
129	1	81.23	11.21	87.23	17.21
129	2	79.79	9.75	87.23	17.19
130	1	86.15	11.32	92.07	17.24
130	2	86.15	11.29	92.07	17.21
131	1	86.11	11.29	92.03	17.21
131	2	86.12	11.24	92.04	17.16
132	1	86.08	11.24	92.00	17.16
132	2	84.28	9.40	92.01	17.13
133	1	83.15	10.87	89.40	17.12
133	2	83.15	10.76	89.40	17.01
134	1	83.11	10.76	89.36	17.01
134	2	83.15	10.56	89.40	16.81
135	1	83.11	10.56	89.36	16.81
135	2	81.32	8.70	89.37	16.75
136	1	78.95	10.62	85.55	17.22
136	2	78.95	10.61	85.55	17.21

137	1	78.90	10.61	85.50	17.21
137	2	78.94	10.54	85.54	17.14
138	1	78.90	10.54	85.50	17.14
138	2	76.88	8.47	85.51	17.10
139	1	0.00	-0.43	7.49	7.06
139	2	11.30	-4.76	18.79	2.73

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_9\Relazione\L9-B.doc
Date Created: Saturday, January 23, 2021 - Time: 11 : 58 AM
Consorzio di Bonifica della Pianura di Ferrara
Sistema Irriguo Valle Pega
Linea 3 - Portata massima 200 l/s

```
    5    1
    1    2   50
   60    2   50
   59    3   50
    2    2   20
   20    2   20
   100.00   -10.00
 300.0000     0.0944
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Time	Pipe 1@ 50%	Pipe 60@ 50%	Pipe 59@ 50%	Pipe 2@ 20%	Pipe 20@ 20%
0.0000	86.70	79.92	77.03	87.13	86.58
0.0944	86.96	79.90	77.02	87.07	86.73
0.1888	87.07	79.85	76.99	87.15	86.89
0.2832	87.20	79.84	76.95	87.28	87.02
0.3776	87.37	79.79	76.92	87.46	87.18
0.4721	87.42	79.75	76.93	87.47	87.28
0.5665	87.44	79.70	76.89	87.48	87.28
0.6609	87.58	79.67	76.83	87.66	87.36
0.7553	87.71	79.62	76.81	87.79	87.53
0.8497	87.77	79.58	76.77	87.83	87.63
0.9441	87.85	79.53	76.73	87.94	87.69
1.0385	87.98	79.49	76.69	88.09	87.78
1.1329	88.12	79.45	76.71	88.22	87.93
1.2273	88.20	79.41	76.67	88.22	88.05
1.3217	88.17	79.37	76.61	88.21	87.99
1.4162	88.12	79.33	76.59	88.28	87.91
1.5106	88.27	79.29	76.55	88.35	88.07
1.6050	88.31	79.29	76.55	88.36	88.18
1.6994	88.33	79.25	76.50	88.37	88.20
1.7938	88.42	79.21	76.47	88.49	88.24
1.8882	88.49	79.19	76.43	88.53	88.34
1.9826	88.51	79.15	76.45	88.60	88.38
2.0770	88.54	79.12	76.41	88.69	88.40
2.1714	88.60	79.07	76.35	88.73	88.45
2.2659	88.70	79.04	76.31	88.74	88.52
2.3603	88.71	79.01	76.31	88.74	88.53
2.4547	88.71	78.96	76.28	88.83	88.58
2.5491	88.77	78.92	76.22	88.87	88.60
2.6435	88.87	78.88	76.22	88.90	88.69
2.7379	88.92	78.84	76.18	88.96	88.78
2.8323	88.94	78.80	76.14	89.00	88.80
2.9267	88.94	78.76	76.10	88.99	88.81
3.0211	88.98	78.72	76.07	88.99	88.83
3.1156	89.01	78.68	76.04	88.97	88.87
3.2100	89.01	78.65	76.02	89.07	88.87
3.3044	89.02	78.62	76.04	89.07	88.87
3.3988	89.04	78.64	76.03	89.06	88.88
3.4932	89.08	78.73	75.99	89.12	88.89
3.5876	89.03	78.80	75.98	89.19	88.88
3.6820	89.01	78.96	75.94	89.08	88.88
3.7764	89.07	79.02	75.88	89.06	88.90
3.8708	89.10	79.07	75.86	89.13	88.95
3.9652	89.15	79.26	75.85	89.15	89.00
4.0597	89.12	79.37	75.82	89.18	89.01
4.1541	89.12	79.38	75.79	89.21	88.99
4.2485	89.15	79.50	75.78	89.25	88.97

4.3429	89.23	79.68	75.76	89.26	89.07
4.4373	89.25	79.82	75.74	89.30	89.12
4.5317	89.26	79.88	75.72	89.33	89.10
4.6261	89.30	79.90	75.68	89.34	89.13
4.7205	89.33	80.01	75.82	89.35	89.18
4.8149	89.33	80.13	75.88	89.36	89.19
4.9094	89.30	80.13	75.94	89.37	89.15
5.0038	89.29	80.13	76.04	89.42	89.13
5.0982	89.30	80.30	76.09	89.36	89.15
5.1926	89.33	80.46	76.17	89.32	89.19
5.2870	89.31	80.41	76.29	89.37	89.18
5.3814	89.32	80.50	76.36	89.34	89.16
5.4758	89.35	80.70	76.42	89.30	89.17
5.5702	89.30	80.80	76.52	89.31	89.18
5.6646	89.26	80.80	76.63	89.40	89.11
5.7591	89.30	80.82	76.73	89.39	89.12
5.8535	89.35	81.00	76.77	89.39	89.16
5.9479	89.37	81.14	76.80	89.38	89.19
6.0423	89.34	81.08	76.91	89.39	89.20
6.1367	89.32	81.13	77.01	89.38	89.18
6.2311	89.33	81.28	77.02	89.35	89.17
6.3255	89.35	81.38	77.06	89.37	89.18
6.4199	89.35	81.34	77.16	89.40	89.20
6.5143	89.31	81.33	77.23	89.39	89.20
6.6087	89.32	81.41	77.25	89.37	89.19
6.7032	89.33	81.49	77.29	89.38	89.19
6.7976	89.34	81.48	77.39	89.38	89.18
6.8920	89.33	81.46	77.44	89.37	89.19
6.9864	89.30	81.46	77.47	89.36	89.15
7.0808	89.33	81.55	77.48	89.43	89.16
7.1752	89.39	81.54	77.59	89.46	89.25
7.2696	89.40	81.47	77.69	89.46	89.28
7.3640	89.42	81.46	77.69	89.48	89.28
7.4584	89.45	81.51	77.70	89.50	89.29
7.5529	89.50	81.53	77.77	89.51	89.35
7.6473	89.53	81.52	77.89	89.54	89.40
7.7417	89.52	81.50	77.90	89.58	89.37
7.8361	89.52	81.54	77.86	89.60	89.34
7.9305	89.59	81.58	77.90	89.62	89.44
8.0249	89.65	81.56	77.99	89.66	89.50
8.1193	89.64	81.51	78.00	89.73	89.50
8.2137	89.64	81.55	77.94	89.72	89.47
8.3081	89.68	81.53	77.94	89.71	89.51
8.4026	89.71	81.55	78.02	89.71	89.56
8.4970	89.71	81.50	78.06	89.77	89.55
8.5914	89.69	81.48	78.01	89.77	89.54
8.6858	89.73	81.46	77.99	89.76	89.55
8.7802	89.79	81.44	78.03	89.80	89.63
8.8746	89.81	81.36	78.10	89.86	89.67
8.9690	89.78	81.29	78.09	89.86	89.63
9.0634	89.79	81.28	78.04	89.81	89.64
9.1578	89.83	81.26	78.10	89.84	89.67
9.2522	89.83	81.18	78.20	89.92	89.68
9.3467	89.82	81.18	78.22	89.91	89.67
9.4411	89.84	81.17	78.16	89.91	89.65
9.5355	89.90	81.14	78.17	89.98	89.72
9.6299	89.94	81.10	78.21	89.99	89.79
9.7243	89.90	81.07	78.23	89.98	89.79
9.8187	89.91	81.04	78.19	89.97	89.76
9.9131	89.96	81.04	78.15	90.01	89.80
10.0075	90.00	81.03	78.20	90.02	89.87

10.1019	89.99	81.01	78.24	90.05	89.87
10.1964	89.96	81.01	78.20	90.06	89.81
10.2908	90.02	81.03	78.16	90.08	89.85
10.3852	90.08	81.01	78.24	90.11	89.94
10.4796	90.08	81.04	78.26	90.10	89.94
10.5740	90.01	81.05	78.23	90.13	89.87
10.6684	90.03	81.05	78.23	90.13	89.86
10.7628	90.07	81.10	78.27	90.11	89.94
10.8572	90.09	81.15	78.31	90.10	89.98
10.9516	90.06	81.12	78.28	90.17	89.94
11.0460	90.09	81.13	78.24	90.19	89.92
11.1405	90.14	81.16	78.24	90.17	90.00
11.2349	90.16	81.17	78.30	90.18	90.03
11.3293	90.11	81.16	78.29	90.22	89.98
11.4237	90.13	81.16	78.23	90.21	89.97
11.5181	90.16	81.17	78.23	90.20	90.02
11.6125	90.17	81.22	78.26	90.21	90.03
11.7069	90.15	81.20	78.28	90.24	90.02
11.8013	90.17	81.18	78.26	90.28	90.02
11.8957	90.20	81.20	78.23	90.25	90.05
11.9902	90.23	81.23	78.27	90.26	90.08
12.0846	90.20	81.20	78.36	90.27	90.08
12.1790	90.17	81.20	78.36	90.28	90.05
12.2734	90.20	81.22	78.33	90.25	90.07
12.3678	90.23	81.23	78.36	90.26	90.10
12.4622	90.22	81.23	78.44	90.25	90.09
12.5566	90.18	81.25	78.47	90.25	90.05
12.6510	90.15	81.23	78.45	90.24	90.02
12.7454	90.17	81.23	78.47	90.24	90.02
12.8399	90.17	81.23	78.55	90.23	90.04
12.9343	90.16	81.25	78.62	90.21	90.04
13.0287	90.15	81.24	78.62	90.22	89.99
13.1231	90.14	81.24	78.61	90.22	89.97
13.2175	90.13	81.26	78.64	90.20	89.99
13.3119	90.11	81.29	78.72	90.16	89.98
13.4063	90.10	81.27	78.76	90.18	89.95
13.5007	90.11	81.27	78.75	90.17	89.96
13.5951	90.12	81.29	78.74	90.16	89.99
13.6895	90.12	81.35	78.80	90.17	89.99
13.7840	90.10	81.33	78.87	90.20	89.96
13.8784	90.12	81.30	78.85	90.20	89.96
13.9728	90.14	81.34	78.82	90.19	90.00
14.0672	90.15	81.39	78.87	90.20	90.02
14.1616	90.16	81.35	78.96	90.24	90.01
14.2560	90.17	81.34	78.98	90.26	90.00
14.3504	90.19	81.37	78.95	90.25	90.04
14.4448	90.21	81.43	78.98	90.25	90.07
14.5392	90.21	81.41	79.05	90.26	90.07
14.6337	90.20	81.41	79.06	90.29	90.05
14.7281	90.22	81.45	79.02	90.26	90.07
14.8225	90.21	81.49	79.02	90.27	90.09
14.9169	90.22	81.45	79.09	90.29	90.09
15.0113	90.23	81.46	79.12	90.29	90.09
15.1057	90.24	81.52	79.05	90.27	90.09
15.2001	90.24	81.54	79.01	90.29	90.11
15.2945	90.25	81.50	79.06	90.32	90.12
15.3889	90.26	81.53	79.07	90.34	90.12
15.4834	90.26	81.58	79.00	90.33	90.10
15.5778	90.27	81.62	78.96	90.33	90.12
15.6722	90.28	81.59	78.97	90.33	90.14
15.7666	90.27	81.59	79.03	90.33	90.14

15.8610	90.27	81.63	78.98	90.34	90.13
15.9554	90.30	81.68	78.91	90.35	90.16
16.0498	90.32	81.66	78.92	90.36	90.19
16.1442	90.32	81.66	78.94	90.35	90.18
16.2386	90.28	81.68	78.92	90.35	90.13
16.3330	90.27	81.70	78.87	90.36	90.11
16.4275	90.27	81.69	78.86	90.33	90.13
16.5219	90.29	81.68	78.88	90.32	90.15
16.6163	90.28	81.66	78.87	90.35	90.13
16.7107	90.29	81.68	78.82	90.35	90.15
16.8051	90.30	81.69	78.77	90.34	90.17
16.8995	90.30	81.67	78.78	90.34	90.19
16.9939	90.29	81.66	78.77	90.36	90.15
17.0883	90.30	81.69	78.70	90.37	90.13
17.1827	90.32	81.68	78.65	90.35	90.18
17.2772	90.32	81.68	78.61	90.37	90.20
17.3716	90.33	81.68	78.62	90.38	90.17
17.4660	90.31	81.70	78.57	90.40	90.17
17.5604	90.34	81.72	78.50	90.39	90.21
17.6548	90.37	81.74	78.47	90.40	90.24
17.7492	90.36	81.73	78.48	90.43	90.21
17.8436	90.35	81.74	78.46	90.44	90.20
17.9380	90.37	81.75	78.40	90.42	90.23
18.0324	90.40	81.75	78.36	90.44	90.26
18.1268	90.40	81.72	78.37	90.46	90.26
18.2213	90.39	81.73	78.39	90.45	90.24
18.3157	90.40	81.74	78.33	90.44	90.26
18.4101	90.42	81.74	78.31	90.47	90.29
18.5045	90.42	81.72	78.32	90.49	90.28
18.5989	90.40	81.74	78.34	90.47	90.24
18.6933	90.40	81.75	78.32	90.46	90.25
18.7877	90.42	81.74	78.29	90.47	90.27
18.8821	90.42	81.71	78.31	90.49	90.28
18.9765	90.41	81.75	78.33	90.49	90.26
19.0710	90.42	81.76	78.36	90.49	90.25
19.1654	90.44	81.74	78.35	90.50	90.29
19.2598	90.46	81.73	78.33	90.51	90.34
19.3542	90.44	81.76	78.36	90.50	90.31
19.4486	90.43	81.76	78.39	90.49	90.28
19.5430	90.45	81.74	78.38	90.50	90.30
19.6374	90.47	81.72	78.35	90.50	90.33
19.7318	90.46	81.74	78.36	90.52	90.32
19.8262	90.44	81.73	78.40	90.53	90.29
19.9207	90.44	81.72	78.42	90.51	90.29
20.0151	90.45	81.70	78.40	90.49	90.30
20.1095	90.42	81.72	78.39	90.48	90.28
20.2039	90.40	81.72	78.42	90.48	90.24
20.2983	90.19	81.72	78.46	90.22	90.25
20.3927	89.21	81.71	78.44	88.96	89.71
20.4871	87.63	81.72	78.42	87.25	88.37
20.5815	85.64	81.71	78.46	85.22	86.56
20.6759	83.44	81.73	78.49	82.95	84.42
20.7703	81.43	81.73	78.49	80.97	82.25
20.8648	79.90	81.72	78.48	79.59	80.50
20.9592	78.69	81.72	78.47	78.50	79.14
21.0536	77.71	81.73	78.49	77.58	78.08
21.1480	76.69	81.74	78.50	76.53	77.16
21.2424	75.34	81.75	78.49	75.08	75.96
21.3368	73.68	81.75	78.48	73.38	74.42
21.4312	71.80	81.76	78.50	71.46	72.67
21.5256	69.82	81.78	78.52	69.43	70.69

21.6200	68.12	81.79	78.52	67.79	68.80
21.7145	66.80	81.79	78.49	66.59	67.32
21.8089	65.68	81.80	78.51	65.52	66.12
21.9033	64.73	81.79	78.52	64.63	65.09
21.9977	63.80	81.80	78.52	63.69	64.21
22.0921	62.59	81.80	78.50	62.26	63.14
22.1865	61.04	81.81	78.49	60.11	61.75
22.2809	59.12	81.77	78.53	57.95	60.01
22.3753	57.15	81.78	78.51	56.06	58.03
22.4697	55.47	81.79	78.49	54.51	56.17
22.5642	54.33	81.80	78.49	53.97	54.63
22.6586	53.83	81.77	78.52	54.14	53.85
22.7530	53.55	81.76	78.52	54.05	53.62
22.8474	53.35	81.78	78.49	53.82	53.35
22.9418	53.24	81.80	78.49	53.57	53.12
23.0362	53.22	81.76	78.51	53.27	53.05
23.1306	53.58	81.75	78.52	53.61	53.22
23.2250	53.99	81.75	78.48	53.97	53.76
23.3194	54.04	81.78	78.47	53.96	53.93
23.4138	54.21	81.75	78.50	54.54	53.90
23.5083	54.63	81.72	78.51	55.31	54.34
23.6027	54.67	81.58	78.48	55.19	54.73
23.6971	54.57	80.71	78.48	54.99	54.54
23.7915	54.60	79.38	78.49	54.98	54.46
23.8859	54.42	77.64	78.50	54.44	54.50
23.9803	53.73	74.81	78.50	53.51	54.11
24.0747	52.76	72.26	78.49	52.86	53.15
24.1691	51.95	70.43	78.50	52.25	52.15
24.2635	51.67	68.58	78.51	52.16	51.62
24.3580	51.76	66.84	78.51	52.63	51.60
24.4524	51.88	65.26	78.49	52.78	51.68
24.5468	52.15	63.50	78.48	52.62	51.81
24.6412	52.44	61.55	78.48	52.76	52.22
24.7356	52.42	59.38	78.49	52.79	52.44
24.8300	52.17	56.98	78.39	52.64	52.17
24.9244	51.93	54.73	77.94	52.90	51.88
25.0188	51.66	52.77	77.03	52.58	51.72
25.1132	51.12	50.83	75.64	51.40	51.44
25.2077	50.33	49.13	73.63	50.56	50.69
25.3021	49.76	47.63	71.15	49.95	49.88
25.3965	49.58	45.91	69.27	49.24	49.53
25.4909	49.43	43.94	67.60	49.14	49.47
25.5853	49.09	41.69	65.97	49.20	49.20
25.6797	48.81	39.27	64.42	48.84	48.81
25.7741	48.70	37.01	62.83	48.69	48.63
25.8685	48.46	35.08	61.16	48.66	48.56
25.9629	48.02	33.78	59.24	48.22	48.21
26.0573	47.56	32.75	57.10	47.98	47.72
26.1518	47.15	31.90	54.91	47.79	47.27
26.2462	46.85	31.48	52.91	47.19	46.91
26.3406	46.57	31.37	51.09	46.89	46.61
26.4350	46.28	31.69	49.40	46.87	46.28
26.5294	46.13	32.12	47.85	46.42	46.05
26.6238	45.97	32.09	46.31	45.88	45.99
26.7182	45.64	32.42	44.63	45.44	45.78
26.8126	45.28	33.21	42.82	44.81	45.17
26.9070	45.08	33.23	40.80	44.67	44.65
27.0015	45.17	32.97	38.79	45.19	44.79
27.0959	45.13	33.26	37.12	45.46	44.87
27.1903	45.04	33.40	35.75	45.58	44.80
27.2847	44.79	33.15	34.62	45.85	44.64

27.3791	44.68	32.88	33.75	45.40	44.49
27.4735	44.43	32.96	33.08	44.50	44.43
27.5679	43.62	33.31	32.67	43.83	43.94
27.6623	42.51	33.83	32.66	42.70	42.79
27.7567	41.59	34.19	32.87	41.44	41.66
27.8511	40.86	34.82	33.09	40.80	40.83
27.9456	40.27	35.65	33.35	40.26	40.12
28.0400	39.90	36.04	33.76	39.86	39.64
28.1344	39.57	36.30	34.12	39.80	39.42
28.2288	39.12	36.91	34.39	39.32	39.16
28.3232	38.64	37.48	34.63	38.62	38.68
28.4176	38.22	37.55	34.81	38.41	38.21
28.5120	37.91	37.29	34.82	38.22	37.84
28.6064	37.62	37.25	34.51	37.91	37.55
28.7008	37.16	37.47	33.93	37.84	37.11
28.7953	36.65	37.41	33.62	37.51	36.50
28.8897	36.37	37.16	33.51	36.73	36.12
28.9841	36.01	37.40	33.31	35.95	35.97
29.0785	35.32	38.03	33.26	35.11	35.57
29.1729	34.52	38.49	33.64	34.19	34.86
29.2673	33.81	38.75	34.02	33.67	34.06
29.3617	33.30	39.08	34.12	33.46	33.42
29.4561	33.02	39.30	34.16	33.14	33.04
29.5505	32.88	39.30	34.03	33.08	32.90
29.6450	32.83	39.14	33.75	33.40	32.88
29.7394	32.78	39.00	33.27	33.30	32.64
29.8338	32.62	38.93	32.52	32.96	32.42
29.9282	32.39	38.70	32.16	32.59	32.37
30.0226	32.18	38.15	32.25	31.91	32.09
30.1170	31.94	37.73	32.10	31.54	31.72
30.2114	31.60	37.56	31.91	31.64	31.44
30.3058	31.25	37.23	32.12	31.45	31.08
30.4002	31.06	36.88	32.37	31.18	30.77
30.4946	30.87	36.66	32.31	30.95	30.56
30.5891	30.47	36.68	32.07	30.41	30.21
30.6835	30.14	36.85	31.72	30.06	29.88
30.7779	29.86	36.86	31.32	30.02	29.67
30.8723	29.53	36.61	30.92	29.64	29.40
30.9667	29.22	36.20	30.30	29.13	29.09
31.0611	28.90	35.81	29.65	28.88	28.83
31.1555	28.58	35.17	29.38	28.61	28.43
31.2499	28.40	34.43	29.08	28.35	28.14
31.3443	28.10	33.85	28.59	28.07	27.98
31.4388	27.61	33.33	28.47	27.38	27.65
31.5332	27.19	32.77	28.75	26.65	27.16
31.6276	26.82	32.37	28.93	26.35	26.72
31.7220	26.51	32.13	29.11	26.26	26.31
31.8164	26.32	31.95	29.40	26.32	26.05
31.9108	26.13	31.75	29.52	26.43	25.97
32.0052	25.89	31.52	29.73	26.22	25.78
32.0996	25.73	31.34	29.63	25.83	25.46
32.1940	25.55	31.29	28.71	25.63	25.33
32.2885	25.32	31.09	27.81	25.50	25.23
32.3829	25.09	30.55	27.13	25.20	25.02
32.4773	24.77	30.11	26.34	24.84	24.82
32.5717	24.50	29.80	25.74	24.48	24.54
32.6661	24.43	29.39	25.35	24.27	24.29
32.7605	24.45	29.13	24.99	24.39	24.34
32.8549	24.44	29.00	24.79	24.54	24.48
32.9493	24.39	28.91	24.67	24.60	24.38
33.0437	24.37	29.06	24.35	24.72	24.30

33.1381	24.48	29.05	24.09	24.76	24.42
33.2326	24.70	28.79	23.84	24.81	24.53
33.3270	24.85	28.66	23.25	25.17	24.66
33.4214	24.89	28.37	22.79	25.41	24.90
33.5158	24.80	27.86	22.61	25.25	24.82
33.6102	24.64	27.61	22.14	25.09	24.54
33.7046	24.53	27.39	21.43	24.84	24.38
33.7990	24.44	27.01	20.81	24.44	24.37
33.8934	24.23	26.64	20.22	24.28	24.27
33.9878	23.94	26.30	19.74	24.27	23.95
34.0823	23.78	25.93	19.45	24.11	23.56
34.1767	23.75	25.49	19.13	24.00	23.41
34.2711	23.77	25.01	18.79	23.87	23.59
34.3655	23.70	24.49	18.70	23.66	23.66
34.4599	23.47	24.09	18.64	23.71	23.44
34.5543	23.28	23.78	18.41	23.76	23.31
34.6487	23.19	23.34	18.42	23.43	23.23
34.7431	23.07	22.77	18.50	23.09	23.06
34.8375	22.85	22.32	18.36	22.86	22.92
34.9320	22.61	21.87	18.34	22.54	22.78
35.0264	22.33	21.41	18.44	22.38	22.50
35.1208	22.09	21.10	18.47	22.37	22.20
35.2152	22.01	20.74	18.58	22.04	22.01
35.3096	21.95	20.30	18.68	21.70	21.92
35.4040	21.76	20.05	18.74	21.69	21.79
35.4984	21.53	19.87	18.98	21.62	21.48
35.5928	21.27	19.54	19.17	21.57	21.03
35.6872	21.06	19.21	19.08	21.55	20.75
35.7816	20.94	18.85	19.12	21.14	20.79
35.8761	20.75	18.53	19.27	20.67	20.70
35.9705	20.43	18.45	19.10	20.51	20.46
36.0649	20.16	18.38	18.90	20.30	20.24
36.1593	20.00	18.21	18.94	20.07	20.04
36.2537	19.82	18.15	19.02	19.98	19.87
36.3481	19.73	18.15	19.19	19.72	19.81
36.4425	19.75	18.19	19.39	19.64	19.72
36.5369	19.71	18.39	19.46	20.05	19.62
36.6313	19.77	18.52	19.64	20.27	19.70
36.7258	19.92	18.52	19.87	20.16	19.80
36.8202	19.88	18.64	19.80	20.13	19.77
36.9146	19.88	18.77	19.67	20.10	19.85
37.0090	19.89	18.87	19.71	20.05	19.75
37.1034	19.70	18.94	19.56	20.12	19.46
37.1978	19.59	18.83	19.35	20.09	19.40
37.2922	19.55	18.67	19.42	19.77	19.42
37.3866	19.37	18.67	19.51	19.45	19.26
37.4810	19.25	18.74	19.47	19.26	19.19
37.5754	19.22	18.67	19.49	19.12	19.15
37.6699	19.04	18.56	19.53	19.10	19.06
37.7643	18.81	18.48	19.70	19.01	18.91
37.8587	18.62	18.45	19.97	18.70	18.62
37.9531	18.42	18.53	20.02	18.65	18.26
38.0475	18.37	18.53	19.87	18.82	18.23
38.1419	18.37	18.43	19.83	18.70	18.28
38.2363	18.18	18.38	19.77	18.49	18.14
38.3307	17.99	18.39	19.61	18.34	18.00
38.4251	17.97	18.37	19.41	18.00	17.95
38.5196	17.92	18.44	19.11	17.80	17.79
38.6140	17.75	18.45	18.82	17.85	17.63
38.7084	17.57	18.31	18.83	17.72	17.53
38.8028	17.36	18.24	18.93	17.53	17.34

38.8972	17.19	18.20	18.95	17.41	17.08
38.9916	17.09	18.03	18.98	17.23	16.92
39.0860	17.04	17.90	18.99	17.10	16.87
39.1804	16.89	17.73	18.91	17.04	16.95
39.2748	16.67	17.51	18.83	16.84	16.87
39.3693	16.47	17.41	18.69	16.67	16.52
39.4637	16.37	17.34	18.39	16.64	16.31
39.5581	16.47	17.13	18.04	16.53	16.45
39.6525	16.55	16.99	17.65	16.45	16.55
39.7469	16.41	17.00	17.24	16.54	16.45
39.8413	16.25	16.99	17.08	16.48	16.33
39.9357	16.21	16.95	16.98	16.28	16.17
40.0301	16.26	17.00	16.69	16.33	16.10
40.1245	16.36	16.95	16.54	16.42	16.26
40.2189	16.33	17.02	16.64	16.44	16.31
40.3134	16.21	17.08	16.66	16.63	16.18
40.4078	16.30	16.93	16.65	16.77	16.19
40.5022	16.49	16.91	16.60	16.66	16.35
40.5966	16.55	16.93	16.42	16.58	16.49
40.6910	16.57	16.65	16.25	16.57	16.67
40.7854	16.56	16.56	16.07	16.52	16.69
40.8798	16.48	16.69	15.73	16.56	16.50
40.9742	16.41	16.50	15.49	16.51	16.41
41.0686	16.44	16.19	15.42	16.34	16.43
41.1631	16.45	16.12	15.22	16.36	16.45
41.2575	16.41	16.11	15.09	16.53	16.44
41.3519	16.32	16.08	15.17	16.61	16.28
41.4463	16.22	16.02	15.19	16.66	16.05
41.5407	16.26	15.79	15.22	16.65	16.09
41.6351	16.34	15.70	15.29	16.41	16.23
41.7295	16.24	15.89	15.30	16.29	16.17
41.8239	16.09	15.81	15.37	16.45	16.04
41.9183	16.10	15.59	15.45	16.46	15.99
42.0128	16.17	15.55	15.35	16.29	16.04
42.1072	16.17	15.42	15.25	16.16	16.16
42.2016	16.16	15.18	15.27	16.09	16.21
42.2960	16.17	15.09	15.10	16.20	16.15
42.3904	16.19	15.07	14.81	16.41	16.15
42.4848	16.17	14.95	14.69	16.42	16.13
42.5792	16.07	14.72	14.67	16.25	15.99
42.6736	16.05	14.63	14.63	16.23	15.95
42.7680	16.06	14.70	14.58	16.19	15.96
42.8624	15.95	14.82	14.44	16.16	15.83
42.9569	15.85	14.79	14.33	16.26	15.74
43.0513	15.81	14.66	14.38	16.09	15.77
43.1457	15.74	14.68	14.35	15.72	15.69
43.2401	15.65	14.79	14.17	15.64	15.58
43.3345	15.60	14.70	14.07	15.71	15.57
43.4289	15.58	14.65	14.02	15.71	15.53
43.5233	15.54	14.62	13.93	15.71	15.51
43.6177	15.48	14.51	13.90	15.63	15.55
43.7121	15.48	14.55	13.90	15.53	15.52
43.8066	15.62	14.71	13.77	15.72	15.52
43.9010	15.76	14.66	13.56	15.98	15.66
43.9954	15.74	14.64	13.44	15.98	15.71
44.0898	15.63	14.78	13.41	15.85	15.64
44.1842	15.59	14.80	13.45	15.69	15.56
44.2786	15.56	14.78	13.40	15.50	15.42
44.3730	15.49	14.86	13.19	15.47	15.35
44.4674	15.40	14.85	13.06	15.45	15.44
44.5618	15.27	14.82	13.16	15.27	15.36

44.6562	15.10	14.88	13.22	15.14	15.05
44.7507	15.02	14.87	13.17	15.15	14.94
44.8451	15.07	14.87	13.10	15.14	15.00
44.9395	15.10	14.91	13.08	15.21	14.99
45.0339	15.03	14.84	13.19	15.31	14.99
45.1283	14.91	14.77	13.31	15.23	14.93
45.2227	14.86	14.82	13.27	15.09	14.81
45.3171	14.96	14.82	13.24	15.08	14.85
45.4115	15.04	14.70	13.27	15.05	14.93
45.5059	14.93	14.67	13.23	15.04	14.88
45.6004	14.79	14.77	13.21	15.05	14.81
45.6948	14.68	14.88	13.29	14.91	14.64
45.7892	14.62	14.89	13.33	14.74	14.40
45.8836	14.63	14.85	13.24	14.69	14.43
45.9780	14.60	14.93	13.16	14.64	14.60
46.0724	14.49	15.02	13.18	14.68	14.50
46.1668	14.41	15.01	13.26	14.80	14.32
46.2612	14.41	14.97	13.29	14.73	14.28
46.3556	14.46	14.92	13.17	14.61	14.33
46.4501	14.54	14.82	13.07	14.68	14.44
46.5445	14.53	14.75	13.16	14.70	14.50
46.6389	14.42	14.71	13.22	14.67	14.39
46.7333	14.38	14.65	13.12	14.66	14.31
46.8277	14.45	14.54	13.05	14.55	14.40
46.9221	14.46	14.41	13.12	14.35	14.46
47.0165	14.39	14.43	13.12	14.37	14.38
47.1109	14.32	14.59	13.03	14.54	14.34
47.2053	14.28	14.66	13.04	14.64	14.23
47.2997	14.29	14.61	13.08	14.64	14.14
47.3942	14.37	14.60	13.05	14.52	14.24
47.4886	14.41	14.62	12.99	14.40	14.35
47.5830	14.37	14.63	12.91	14.51	14.31
47.6774	14.32	14.57	12.89	14.65	14.28
47.7718	14.30	14.41	12.89	14.55	14.20
47.8662	14.28	14.25	12.82	14.39	14.16
47.9606	14.27	14.14	12.77	14.28	14.24
48.0550	14.24	14.05	12.80	14.24	14.25
48.1494	14.18	14.04	12.76	14.34	14.08
48.2439	14.12	14.02	12.66	14.44	14.03
48.3383	14.15	13.87	12.68	14.35	14.11
48.4327	14.18	13.78	12.78	14.23	14.13
48.5271	14.15	13.85	12.79	14.21	14.11
48.6215	14.13	13.90	12.72	14.30	14.09
48.7159	14.16	13.86	12.67	14.47	14.07
48.8103	14.14	13.78	12.70	14.47	14.09
48.9047	14.06	13.74	12.78	14.22	14.07
48.9991	14.05	13.72	12.79	14.05	13.98
49.0936	14.07	13.70	12.71	14.07	13.99
49.1880	14.06	13.64	12.65	14.11	14.03
49.2824	14.00	13.53	12.64	14.14	13.95
49.3768	13.93	13.42	12.63	14.08	13.90
49.4712	13.91	13.40	12.68	13.93	13.90
49.5656	13.95	13.39	12.70	13.94	13.85
49.6600	13.97	13.37	12.57	14.11	13.86
49.7544	13.97	13.34	12.49	14.17	13.96
49.8488	13.96	13.29	12.54	14.19	13.95
49.9432	13.93	13.24	12.58	14.15	13.91
50.0377	13.92	13.29	12.58	14.01	13.93
50.1321	13.95	13.33	12.51	13.99	13.89
50.2265	13.98	13.29	12.39	14.12	13.92
50.3209	13.91	13.26	12.36	14.09	14.00

50.4153	13.83	13.29	12.47	13.97	13.89
50.5097	13.78	13.35	12.49	13.94	13.72
50.6041	13.83	13.36	12.41	13.91	13.74
50.6985	13.94	13.31	12.35	13.96	13.83
50.7929	13.94	13.28	12.33	14.13	13.87
50.8874	13.85	13.27	12.36	14.16	13.85
50.9818	13.83	13.23	12.42	14.12	13.74
51.0762	13.90	13.18	12.38	14.15	13.68
51.1706	13.95	13.14	12.28	14.11	13.83
51.2650	13.93	13.08	12.24	14.04	13.92
51.3594	13.83	13.11	12.25	14.09	13.82
51.4538	13.72	13.11	12.26	14.06	13.72
51.5482	13.74	13.05	12.25	13.91	13.68
51.6426	13.79	13.11	12.17	13.87	13.66
51.7371	13.79	13.13	12.13	13.85	13.75
51.8315	13.77	13.05	12.15	13.84	13.79
51.9259	13.71	13.12	12.19	13.94	13.67
52.0203	13.64	13.25	12.24	13.94	13.58
52.1147	13.70	13.14	12.29	13.84	13.58
52.2091	13.79	13.03	12.29	13.84	13.65
52.3035	13.79	13.08	12.22	13.88	13.77
52.3979	13.72	13.10	12.27	13.88	13.75
52.4923	13.65	13.07	12.31	13.95	13.57
52.5867	13.65	13.01	12.23	13.88	13.54
52.6812	13.70	12.89	12.20	13.64	13.67
52.7756	13.68	12.90	12.18	13.55	13.68
52.8700	13.56	12.99	12.18	13.62	13.60
52.9644	13.49	12.95	12.23	13.64	13.51
53.0588	13.50	12.89	12.23	13.65	13.43
53.1532	13.51	12.93	12.18	13.62	13.44
53.2476	13.51	12.89	12.26	13.51	13.52
53.3420	13.52	12.89	12.32	13.57	13.51
53.4364	13.49	12.98	12.23	13.74	13.46
53.5309	13.46	12.99	12.18	13.76	13.44
53.6253	13.48	12.91	12.26	13.69	13.41
53.7197	13.50	12.88	12.25	13.60	13.47
53.8141	13.53	12.90	12.17	13.51	13.56
53.9085	13.55	12.95	12.14	13.62	13.51
54.0029	13.50	13.01	12.12	13.81	13.42
54.0973	13.49	12.93	12.15	13.76	13.45
54.1917	13.54	12.83	12.20	13.60	13.46
54.2861	13.52	12.93	12.17	13.57	13.44
54.3805	13.47	13.02	12.18	13.58	13.44
54.4750	13.48	12.97	12.23	13.70	13.40
54.5694	13.47	12.96	12.18	13.81	13.38
54.6638	13.44	12.94	12.15	13.70	13.42
54.7582	13.45	12.90	12.22	13.57	13.41
54.8526	13.47	12.97	12.19	13.61	13.39
54.9470	13.49	13.01	12.04	13.66	13.42
55.0414	13.50	12.95	11.99	13.71	13.44
55.1358	13.44	12.94	11.99	13.69	13.40
55.2302	13.38	12.95	12.03	13.53	13.37
55.3247	13.42	12.90	12.04	13.45	13.33
55.4191	13.46	12.96	11.94	13.58	13.31
55.5135	13.47	13.01	11.91	13.68	13.37
55.6079	13.45	12.90	12.09	13.68	13.40
55.7023	13.40	12.88	12.18	13.67	13.35
55.7967	13.39	12.97	12.12	13.57	13.32
55.8911	13.44	12.94	12.06	13.47	13.35
55.9855	13.49	12.93	12.04	13.56	13.40
56.0799	13.46	12.92	11.98	13.60	13.46

56.1744	13.39	12.82	12.00	13.48	13.46
56.2688	13.33	12.83	11.96	13.43	13.32
56.3632	13.33	12.87	11.84	13.40	13.25
56.4576	13.38	12.77	11.83	13.37	13.32
56.5520	13.38	12.72	11.83	13.48	13.33
56.6464	13.29	12.79	11.81	13.54	13.31
56.7408	13.24	12.76	11.87	13.46	13.24
56.8352	13.25	12.73	11.89	13.48	13.13
56.9296	13.31	12.77	11.80	13.52	13.15
57.0240	13.38	12.74	11.79	13.49	13.31
57.1185	13.37	12.73	11.85	13.57	13.36
57.2129	13.29	12.82	11.88	13.63	13.27
57.3073	13.27	12.81	11.84	13.50	13.21
57.4017	13.34	12.78	11.70	13.43	13.22
57.4961	13.39	12.82	11.62	13.44	13.31
57.5905	13.39	12.78	11.70	13.39	13.39
57.6849	13.31	12.76	11.71	13.44	13.33
57.7793	13.24	12.83	11.61	13.54	13.19
57.8737	13.27	12.80	11.56	13.48	13.17
57.9682	13.36	12.70	11.62	13.42	13.24
58.0626	13.38	12.73	11.65	13.49	13.31
58.1570	13.33	12.80	11.67	13.54	13.33
58.2514	13.31	12.81	11.66	13.60	13.27
58.3458	13.30	12.83	11.62	13.61	13.20
58.4402	13.34	12.78	11.63	13.47	13.23
58.5346	13.40	12.70	11.62	13.37	13.35
58.6290	13.38	12.76	11.56	13.45	13.38
58.7234	13.32	12.82	11.58	13.50	13.30
58.8179	13.28	12.77	11.62	13.48	13.22
58.9123	13.29	12.74	11.50	13.45	13.22
59.0067	13.33	12.72	11.47	13.33	13.30
59.1011	13.35	12.71	11.60	13.26	13.34
59.1955	13.31	12.79	11.64	13.43	13.29
59.2899	13.27	12.81	11.59	13.54	13.22
59.3843	13.30	12.72	11.58	13.48	13.23
59.4787	13.32	12.68	11.60	13.40	13.27
59.5731	13.31	12.68	11.66	13.32	13.30
59.6675	13.32	12.67	11.68	13.32	13.30
59.7620	13.29	12.72	11.58	13.49	13.23
59.8564	13.22	12.69	11.54	13.53	13.16
59.9508	13.20	12.57	11.62	13.37	13.14
60.0452	13.20	12.56	11.60	13.29	13.16
60.1396	13.21	12.64	11.52	13.33	13.16
60.2340	13.21	12.64	11.56	13.42	13.13
60.3284	13.20	12.65	11.60	13.56	13.08
60.4228	13.18	12.65	11.61	13.54	13.10
60.5172	13.19	12.61	11.64	13.35	13.15
60.6117	13.20	12.64	11.63	13.30	13.14
60.7061	13.23	12.72	11.66	13.40	13.15
60.8005	13.27	12.69	11.68	13.45	13.16
60.8949	13.23	12.63	11.59	13.47	13.18
60.9893	13.18	12.62	11.57	13.40	13.18
61.0837	13.18	12.60	11.63	13.25	13.15
61.1781	13.20	12.63	11.58	13.25	13.10
61.2725	13.21	12.67	11.50	13.38	13.12
61.3669	13.20	12.63	11.53	13.41	13.17
61.4614	13.16	12.62	11.57	13.38	13.15
61.5558	13.13	12.68	11.58	13.36	13.10
61.6502	13.18	12.70	11.54	13.29	13.06
61.7446	13.22	12.69	11.52	13.30	13.09
61.8390	13.23	12.71	11.54	13.39	13.19

61.9334	13.21	12.68	11.63	13.35	13.24
62.0278	13.15	12.66	11.62	13.26	13.19
62.1222	13.14	12.69	11.53	13.22	13.12
62.2166	13.19	12.67	11.55	13.15	13.11
62.3110	13.21	12.63	11.56	13.15	13.16
62.4055	13.14	12.64	11.52	13.24	13.17
62.4999	13.07	12.63	11.54	13.22	13.13
62.5943	13.06	12.63	11.56	13.15	13.05
62.6887	13.11	12.67	11.51	13.19	13.00
62.7831	13.15	12.63	11.55	13.21	13.04
62.8775	13.15	12.58	11.62	13.22	13.13
62.9719	13.07	12.64	11.63	13.31	13.10
63.0663	13.03	12.67	11.66	13.30	13.01
63.1607	13.05	12.60	11.65	13.23	12.92
63.2552	13.07	12.55	11.59	13.23	12.93
63.3496	13.12	12.54	11.61	13.21	13.08
63.4440	13.08	12.54	11.66	13.18	13.09
63.5384	12.98	12.59	11.61	13.25	12.97
63.6328	12.95	12.59	11.56	13.25	12.87
63.7272	13.03	12.53	11.52	13.16	12.90
63.8216	13.08	12.53	11.51	13.18	12.99
63.9160	13.08	12.57	11.57	13.25	13.07
64.0104	13.05	12.59	11.59	13.29	13.05
64.1048	13.04	12.61	11.49	13.34	12.98
64.1993	13.08	12.59	11.50	13.33	12.94
64.2937	13.11	12.51	11.58	13.18	13.02
64.3881	13.11	12.53	11.56	13.16	13.10
64.4825	13.08	12.58	11.54	13.28	13.08
64.5769	13.05	12.57	11.56	13.28	13.01
64.6713	13.03	12.53	11.52	13.27	12.92
64.7657	13.04	12.50	11.45	13.20	12.93
64.8601	13.08	12.47	11.45	13.09	13.05
64.9545	13.07	12.54	11.46	13.14	13.07
65.0490	13.05	12.58	11.46	13.30	13.01
65.1434	13.05	12.51	11.44	13.28	12.98
65.2378	13.06	12.48	11.37	13.23	12.99
65.3322	13.10	12.48	11.42	13.17	13.09
65.4266	13.13	12.49	11.53	13.09	13.14
65.5210	13.09	12.52	11.54	13.18	13.08
65.6154	13.08	12.49	11.44	13.30	13.03
65.7098	13.08	12.41	11.46	13.20	13.02
65.8042	13.04	12.38	11.52	13.05	13.03
65.8987	13.03	12.41	11.52	13.04	13.02
65.9931	13.04	12.44	11.50	13.11	13.00
66.0875	13.02	12.42	11.43	13.20	12.93
66.1819	12.98	12.39	11.43	13.25	12.89
66.2763	12.95	12.36	11.47	13.17	12.90
66.3707	12.97	12.36	11.49	13.08	12.92
66.4651	13.00	12.40	11.43	13.15	12.93
66.5595	13.01	12.38	11.46	13.24	12.92
66.6539	12.99	12.32	11.45	13.21	12.92
66.7483	12.95	12.32	11.45	13.20	12.95
66.8428	12.98	12.31	11.51	13.13	12.96
66.9372	12.98	12.32	11.47	13.06	12.92
67.0316	12.97	12.34	11.47	13.14	12.89
67.1260	13.02	12.32	11.48	13.19	12.94
67.2204	12.99	12.30	11.46	13.15	12.97
67.3148	12.92	12.34	11.48	13.13	12.93
67.4092	12.93	12.40	11.47	13.11	12.89
67.5036	13.03	12.41	11.44	13.12	12.91
67.5980	13.07	12.40	11.41	13.26	12.97

67.6925	13.07	12.37	11.44	13.28	13.02
67.7869	12.99	12.38	11.50	13.20	12.99
67.8813	12.95	12.42	11.48	13.15	12.92
67.9757	13.01	12.42	11.41	13.15	12.90
68.0701	13.06	12.37	11.44	13.14	12.96
68.1645	13.05	12.35	11.48	13.15	13.03
68.2589	13.00	12.39	11.45	13.15	13.04
68.3533	12.96	12.40	11.45	13.09	12.95
68.4477	12.94	12.41	11.39	13.07	12.89
68.5422	12.99	12.39	11.40	13.10	12.88
68.6366	13.05	12.37	11.47	13.14	12.99
68.7310	13.03	12.41	11.47	13.14	13.05
68.8254	12.98	12.43	11.44	13.18	13.02
68.9198	12.97	12.43	11.47	13.11	12.88
69.0142	12.94	12.42	11.46	13.11	12.81
69.1086	13.02	12.37	11.43	13.12	12.94
69.2030	13.05	12.36	11.48	13.11	13.06
69.2974	12.97	12.42	11.45	13.11	12.99
69.3918	12.89	12.43	11.45	13.16	12.81
69.4863	12.89	12.37	11.41	13.08	12.71
69.5807	12.90	12.30	11.39	13.02	12.75
69.6751	12.92	12.32	11.43	13.06	12.88
69.7695	12.93	12.37	11.47	13.07	12.96
69.8639	12.87	12.37	11.43	13.12	12.83
69.9583	12.84	12.33	11.39	13.16	12.71
70.0527	12.86	12.26	11.39	13.08	12.73
70.1471	12.89	12.29	11.45	13.03	12.85
70.2415	12.95	12.36	11.49	13.10	13.00
70.3360	12.97	12.35	11.41	13.14	12.99
70.4304	12.91	12.35	11.39	13.15	12.83
70.5248	12.89	12.34	11.37	13.10	12.76
70.6192	12.92	12.28	11.41	13.01	12.85
70.7136	12.94	12.32	11.43	13.00	12.94
70.8080	12.95	12.42	11.35	13.09	12.94
70.9024	12.92	12.42	11.32	13.13	12.85
70.9968	12.87	12.37	11.36	13.07	12.74
71.0912	12.87	12.33	11.35	13.03	12.79
71.1856	12.94	12.37	11.35	12.98	12.95
71.2801	12.97	12.42	11.40	13.02	12.99
71.3745	12.96	12.43	11.36	13.11	12.96
71.4689	12.95	12.36	11.33	13.12	12.91
71.5633	12.90	12.33	11.33	13.00	12.88
71.6577	12.91	12.34	11.37	12.95	12.93
71.7521	12.97	12.39	11.42	13.00	12.97
71.8465	12.99	12.39	11.36	13.04	12.95
71.9409	12.95	12.37	11.28	13.09	12.91
72.0353	12.90	12.35	11.34	13.06	12.83
72.1298	12.87	12.33	11.44	12.98	12.83
72.2242	12.90	12.38	11.39	13.01	12.83
72.3186	12.96	12.40	11.30	13.12	12.86
72.4130	12.97	12.36	11.33	13.12	12.88
72.5074	12.91	12.35	11.39	13.11	12.86
72.6018	12.87	12.34	11.43	13.06	12.85
72.6962	12.87	12.34	11.35	12.99	12.84
72.7906	12.89	12.37	11.33	13.02	12.79
72.8850	12.93	12.30	11.35	13.11	12.84
72.9795	12.95	12.24	11.39	13.08	12.92
73.0739	12.88	12.24	11.38	13.05	12.87
73.1683	12.81	12.28	11.32	13.04	12.78
73.2627	12.83	12.26	11.34	13.01	12.71
73.3571	12.89	12.22	11.35	13.08	12.76

73.4515	12.93	12.21	11.33	13.14	12.89
73.5459	12.94	12.24	11.34	13.13	12.95
73.6403	12.87	12.31	11.38	13.10	12.83
73.7347	12.84	12.32	11.32	13.10	12.73
73.8291	12.92	12.30	11.29	13.06	12.77
73.9236	12.97	12.28	11.26	13.09	12.90
74.0180	12.97	12.29	11.27	13.08	13.00
74.1124	12.92	12.33	11.31	13.05	12.93
74.2068	12.83	12.36	11.26	12.97	12.79
74.3012	12.82	12.29	11.14	12.99	12.71
74.3956	12.89	12.23	11.20	12.99	12.79
74.4900	12.93	12.24	11.31	12.99	12.94
74.5844	12.90	12.29	11.31	13.01	12.98
74.6788	12.85	12.31	11.25	13.03	12.84
74.7733	12.82	12.28	11.22	13.00	12.72
74.8677	12.89	12.23	11.28	13.02	12.77
74.9621	12.95	12.22	11.34	13.03	12.95
75.0565	12.97	12.31	11.29	12.98	13.04
75.1509	12.88	12.36	11.25	13.04	12.91
75.2453	12.85	12.31	11.26	13.04	12.73
75.3397	12.85	12.27	11.24	12.98	12.68
75.4341	12.88	12.26	11.25	12.99	12.80
75.5285	12.90	12.29	11.27	12.97	12.93
75.6230	12.87	12.34	11.30	12.95	12.83
75.7174	12.76	12.33	11.26	13.02	12.67
75.8118	12.75	12.29	11.23	13.02	12.59
75.9062	12.82	12.24	11.28	12.95	12.71
76.0006	12.87	12.26	11.36	12.95	12.88
76.0950	12.89	12.30	11.35	12.98	12.91
76.1894	12.84	12.30	11.29	13.01	12.81
76.2838	12.80	12.25	11.25	13.03	12.71
76.3782	12.81	12.22	11.26	13.00	12.73
76.4726	12.86	12.22	11.33	12.93	12.83
76.5671	12.87	12.27	11.29	12.95	12.91
76.6615	12.85	12.30	11.19	13.05	12.82
76.7559	12.81	12.27	11.24	13.07	12.70
76.8503	12.77	12.23	11.26	13.02	12.64
76.9447	12.79	12.30	11.28	12.99	12.74
77.0391	12.87	12.34	11.31	12.96	12.83
77.1335	12.89	12.34	11.30	13.00	12.85
77.2279	12.88	12.33	11.29	13.09	12.79
77.3223	12.84	12.31	11.30	13.03	12.77
77.4168	12.82	12.28	11.29	12.96	12.80
77.5112	12.86	12.28	11.27	12.95	12.85
77.6056	12.91	12.29	11.29	12.96	12.88
77.7000	12.89	12.26	11.24	12.97	12.85
77.7944	12.84	12.22	11.20	13.03	12.80
77.8888	12.79	12.21	11.21	12.95	12.75
77.9832	12.76	12.23	11.27	12.91	12.72
78.0776	12.80	12.26	11.26	12.97	12.73
78.1720	12.86	12.27	11.24	13.03	12.77
78.2665	12.86	12.25	11.24	13.03	12.79
78.3609	12.80	12.24	11.30	13.01	12.77
78.4553	12.76	12.29	11.34	12.98	12.69
78.5497	12.80	12.31	11.31	12.95	12.66
78.6441	12.83	12.28	11.28	13.03	12.73
78.7385	12.88	12.24	11.30	12.96	12.81
78.8329	12.81	12.23	11.31	12.92	12.82
78.9273	12.74	12.24	11.26	12.90	12.72
79.0217	12.72	12.22	11.19	12.95	12.63
79.1161	12.77	12.19	11.23	12.92	12.61

79.2106	12.80	12.14	11.25	12.95	12.71
79.3050	12.81	12.17	11.21	12.88	12.85
79.3994	12.75	12.17	11.23	12.87	12.79
79.4938	12.71	12.20	11.25	12.90	12.65
79.5882	12.74	12.21	11.28	12.97	12.58
79.6826	12.80	12.20	11.29	12.98	12.66
79.7770	12.85	12.16	11.27	12.93	12.87
79.8714	12.81	12.18	11.25	12.91	12.91
79.9658	12.75	12.25	11.31	12.89	12.71
80.0603	12.71	12.22	11.23	12.97	12.55
80.1547	12.77	12.19	11.20	12.98	12.62
80.2491	12.83	12.16	11.24	12.93	12.79
80.3435	12.84	12.19	11.24	12.87	12.93
80.4379	12.77	12.25	11.24	12.91	12.83
80.5323	12.75	12.24	11.21	12.90	12.64
80.6267	12.74	12.17	11.21	12.97	12.58
80.7211	12.83	12.16	11.26	12.96	12.76
80.8155	12.88	12.20	11.31	12.89	12.96
80.9099	12.86	12.23	11.26	12.85	12.95
81.0044	12.78	12.23	11.27	12.94	12.79
81.0988	12.76	12.19	11.26	12.93	12.60
81.1932	12.76	12.16	11.29	12.94	12.64
81.2876	12.81	12.15	11.27	12.93	12.81
81.3820	12.84	12.21	11.23	12.89	12.90
81.4764	12.76	12.22	11.23	12.95	12.73
81.5708	12.70	12.19	11.21	12.98	12.53
81.6652	12.71	12.17	11.22	12.97	12.53
81.7596	12.77	12.16	11.24	12.94	12.68
81.8541	12.83	12.21	11.26	12.95	12.86
81.9485	12.86	12.25	11.27	12.96	12.84
82.0429	12.78	12.20	11.29	12.97	12.66
82.1373	12.73	12.14	11.25	12.97	12.60
82.2317	12.75	12.12	11.31	12.92	12.68
82.3261	12.81	12.14	11.34	12.88	12.80
82.4205	12.82	12.18	11.25	12.90	12.85
82.5149	12.80	12.17	11.23	12.94	12.76
82.6093	12.72	12.09	11.23	12.90	12.60
82.7038	12.68	12.08	11.23	12.90	12.58
82.7982	12.72	12.15	11.23	12.90	12.70
82.8926	12.79	12.17	11.21	12.89	12.77
82.9870	12.81	12.15	11.19	12.95	12.77
83.0814	12.78	12.13	11.21	12.97	12.67
83.1758	12.71	12.11	11.24	12.91	12.62
83.2702	12.71	12.13	11.20	12.89	12.67
83.3646	12.79	12.17	11.24	12.93	12.77
83.4590	12.83	12.16	11.23	12.89	12.79
83.5534	12.81	12.11	11.20	12.94	12.77
83.6479	12.74	12.09	11.18	12.89	12.71
83.7423	12.69	12.11	11.18	12.84	12.68
83.8367	12.72	12.14	11.22	12.85	12.66
83.9311	12.77	12.16	11.16	12.91	12.72
84.0255	12.83	12.12	11.12	12.86	12.80
84.1199	12.78	12.10	11.11	12.87	12.80
84.2143	12.69	12.14	11.18	12.86	12.71
84.3087	12.67	12.17	11.22	12.87	12.62
84.4031	12.76	12.19	11.22	12.92	12.64
84.4976	12.83	12.14	11.15	12.95	12.77
84.5920	12.83	12.11	11.19	12.88	12.82
84.6864	12.72	12.13	11.27	12.85	12.73
84.7808	12.65	12.17	11.25	12.89	12.60
84.8752	12.67	12.17	11.20	12.93	12.51

84.9696	12.75	12.12	11.15	12.93	12.60
85.0640	12.80	12.12	11.18	12.89	12.78
85.1584	12.76	12.14	11.24	12.86	12.79
85.2528	12.69	12.18	11.25	12.86	12.68
85.3473	12.65	12.20	11.16	12.94	12.52
85.4417	12.73	12.16	11.17	12.93	12.56
85.5361	12.83	12.12	11.22	12.87	12.79
85.6305	12.86	12.16	11.23	12.87	12.95
85.7249	12.76	12.20	11.26	12.87	12.83
85.8193	12.70	12.20	11.23	12.88	12.60
85.9137	12.69	12.18	11.18	12.95	12.51
86.0081	12.77	12.13	11.19	12.90	12.68
86.1025	12.83	12.12	11.21	12.83	12.88
86.1969	12.78	12.21	11.25	12.85	12.81
86.2914	12.67	12.21	11.19	12.89	12.64
86.3858	12.66	12.17	11.10	12.91	12.44
86.4802	12.70	12.12	11.10	12.94	12.55
86.5746	12.79	12.13	11.18	12.88	12.81
86.6690	12.84	12.17	11.24	12.85	12.90
86.7634	12.75	12.19	11.19	12.91	12.79
86.8578	12.69	12.15	11.12	12.92	12.61
86.9522	12.70	12.11	11.16	12.92	12.53
87.0466	12.76	12.08	11.23	12.88	12.71
87.1411	12.82	12.15	11.23	12.84	12.93
87.2355	12.79	12.18	11.17	12.85	12.80
87.3299	12.68	12.14	11.11	12.90	12.61
87.4243	12.64	12.11	11.10	12.93	12.45
87.5187	12.69	12.08	11.15	12.91	12.53
87.6131	12.74	12.12	11.17	12.85	12.72
87.7075	12.75	12.18	11.14	12.89	12.79
87.8019	12.73	12.17	11.13	12.90	12.64
87.8963	12.65	12.10	11.11	12.94	12.50
87.9908	12.63	12.09	11.13	12.93	12.50
88.0852	12.71	12.08	11.18	12.88	12.64
88.1796	12.75	12.15	11.21	12.84	12.77
88.2740	12.76	12.16	11.11	12.88	12.75
88.3684	12.69	12.10	11.09	12.88	12.60
88.4628	12.64	12.06	11.12	12.87	12.50
88.5572	12.64	12.11	11.18	12.85	12.56
88.6516	12.72	12.15	11.20	12.77	12.70
88.7460	12.76	12.16	11.14	12.79	12.76
88.8404	12.74	12.15	11.06	12.86	12.71
88.9349	12.69	12.11	11.11	12.85	12.62
89.0293	12.66	12.14	11.20	12.85	12.58
89.1237	12.69	12.18	11.16	12.82	12.67
89.2181	12.76	12.21	11.11	12.82	12.75
89.3125	12.79	12.16	11.10	12.84	12.74
89.4069	12.73	12.14	11.14	12.86	12.70
89.5013	12.67	12.14	11.15	12.83	12.63
89.5957	12.64	12.13	11.18	12.83	12.58
89.6901	12.68	12.16	11.13	12.82	12.62
89.7846	12.75	12.12	11.09	12.83	12.70
89.8790	12.75	12.07	11.11	12.83	12.73
89.9734	12.66	12.10	11.13	12.83	12.70
90.0678	12.65	12.12	11.19	12.83	12.63
90.1622	12.67	12.14	11.20	12.84	12.57
90.2566	12.73	12.15	11.13	12.89	12.66
90.3510	12.80	12.11	11.13	12.87	12.81
90.4454	12.75	12.09	11.21	12.85	12.81
90.5398	12.70	12.15	11.22	12.87	12.68
90.6342	12.66	12.15	11.17	12.94	12.52

90.7287	12.68	12.13	11.12	12.91	12.49
90.8231	12.73	12.11	11.14	12.89	12.64
90.9175	12.75	12.09	11.18	12.84	12.78
91.0119	12.67	12.09	11.21	12.86	12.66
91.1063	12.61	12.14	11.13	12.90	12.45
91.2007	12.60	12.12	11.10	12.94	12.38
91.2951	12.68	12.05	11.16	12.86	12.53
91.3895	12.73	12.06	11.18	12.84	12.77
91.4839	12.74	12.09	11.14	12.80	12.85
91.5784	12.68	12.10	11.14	12.86	12.66
91.6728	12.64	12.12	11.14	12.93	12.45
91.7672	12.67	12.08	11.12	12.89	12.52
91.8616	12.74	12.05	11.15	12.80	12.74
91.9560	12.78	12.10	11.14	12.76	12.88
92.0504	12.72	12.12	11.15	12.83	12.74
92.1448	12.65	12.12	11.14	12.86	12.47
92.2392	12.61	12.09	11.12	12.88	12.40
92.3336	12.66	12.07	11.11	12.79	12.60
92.4281	12.74	12.10	11.18	12.75	12.82
92.5225	12.76	12.13	11.17	12.74	12.82
92.6169	12.66	12.14	11.11	12.83	12.60
92.7113	12.64	12.09	11.11	12.86	12.45
92.8057	12.65	12.03	11.14	12.83	12.53
92.9001	12.72	12.04	11.16	12.75	12.78
92.9945	12.74	12.08	11.12	12.71	12.89
93.0889	12.71	12.08	11.08	12.76	12.70
93.1833	12.60	12.05	11.07	12.86	12.47
93.2777	12.59	11.99	11.13	12.84	12.44
93.3722	12.63	12.00	11.14	12.78	12.59
93.4666	12.67	12.10	11.11	12.74	12.77
93.5610	12.72	12.09	11.13	12.76	12.75
93.6554	12.66	12.07	11.16	12.84	12.53
93.7498	12.60	12.06	11.15	12.90	12.45
93.8442	12.61	12.06	11.15	12.87	12.53
93.9386	12.71	12.11	11.17	12.79	12.72
94.0330	12.74	12.15	11.14	12.79	12.78
94.1274	12.72	12.09	11.14	12.84	12.67
94.2219	12.66	12.06	11.13	12.89	12.51
94.3163	12.60	12.06	11.14	12.87	12.50
94.4107	12.61	12.05	11.16	12.85	12.59
94.5051	12.68	12.09	11.14	12.77	12.66
94.5995	12.70	12.06	11.09	12.80	12.67
94.6939	12.67	12.03	11.10	12.83	12.59
94.7883	12.63	12.01	11.17	12.84	12.53
94.8827	12.57	12.08	11.17	12.83	12.56
94.9771	12.65	12.12	11.15	12.82	12.64
95.0716	12.76	12.11	11.12	12.79	12.73
95.1660	12.78	12.08	11.16	12.84	12.74
95.2604	12.72	12.09	11.17	12.85	12.68
95.3548	12.66	12.12	11.16	12.85	12.60
95.4492	12.64	12.15	11.11	12.84	12.57
95.5436	12.71	12.12	11.07	12.84	12.65
95.6380	12.78	12.07	11.11	12.81	12.72
95.7324	12.73	12.06	11.12	12.78	12.70
95.8268	12.65	12.08	11.11	12.79	12.64
95.9212	12.59	12.09	11.11	12.81	12.50
96.0157	12.62	12.06	11.12	12.81	12.51
96.1101	12.72	12.05	11.13	12.79	12.68
96.2045	12.76	12.01	11.14	12.76	12.78
96.2989	12.68	12.02	11.13	12.73	12.74
96.3933	12.59	12.06	11.13	12.80	12.57

96.4877	12.57	12.03	11.11	12.85	12.43
96.5821	12.65	12.00	11.07	12.84	12.52
96.6765	12.71	11.99	11.06	12.81	12.74
96.7709	12.70	11.99	11.10	12.76	12.72
96.8654	12.58	12.03	11.08	12.81	12.54
96.9598	12.52	12.06	11.04	12.89	12.34
97.0542	12.58	12.00	11.05	12.89	12.36
97.1486	12.67	12.00	11.08	12.81	12.59
97.2430	12.71	12.03	11.10	12.76	12.77
97.3374	12.66	12.07	11.11	12.78	12.68
97.4318	12.58	12.08	11.12	12.84	12.43
97.5262	12.55	12.04	11.10	12.89	12.37
97.6206	12.66	12.01	11.12	12.81	12.55
97.7150	12.72	12.02	11.11	12.75	12.82
97.8095	12.71	12.05	11.09	12.73	12.80
97.9039	12.61	12.05	11.09	12.82	12.58
97.9983	12.56	12.03	11.06	12.85	12.34
98.0927	12.57	12.00	11.00	12.83	12.45
98.1871	12.69	12.01	11.03	12.73	12.72
98.2815	12.73	12.07	11.10	12.72	12.82
98.3759	12.67	12.13	11.11	12.77	12.68
98.4703	12.61	12.12	11.08	12.84	12.47
98.5647	12.60	12.09	11.07	12.83	12.41
98.6592	12.67	12.10	11.11	12.75	12.65
98.7536	12.75	12.12	11.18	12.73	12.86
98.8480	12.74	12.17	11.15	12.73	12.76
98.9424	12.66	12.13	11.07	12.81	12.60
99.0368	12.61	12.08	11.05	12.82	12.45
99.1312	12.61	12.03	11.10	12.78	12.53
99.2256	12.68	12.09	11.13	12.72	12.72
99.3200	12.73	12.10	11.09	12.76	12.79
99.4144	12.67	12.07	11.05	12.77	12.63
99.5089	12.59	12.04	11.04	12.83	12.45
99.6033	12.55	12.01	11.13	12.79	12.47
99.6977	12.61	12.03	11.14	12.77	12.60
99.7921	12.69	12.08	11.14	12.79	12.73
99.8865	12.72	12.07	11.12	12.84	12.68
99.9809	12.64	12.03	11.12	12.87	12.52
100.0753	12.58	12.02	11.14	12.86	12.41
100.1697	12.54	12.01	11.17	12.85	12.49
100.2641	12.63	12.05	11.15	12.80	12.56
100.3585	12.67	12.08	11.08	12.83	12.61
100.4530	12.67	12.01	11.04	12.84	12.59
100.5474	12.60	11.98	11.04	12.85	12.49
100.6418	12.55	12.01	11.11	12.81	12.45
100.7362	12.57	12.04	11.10	12.77	12.53
100.8306	12.67	12.05	11.05	12.79	12.62
100.9250	12.71	12.02	11.02	12.80	12.66
101.0194	12.68	11.98	11.06	12.80	12.66
101.1138	12.62	12.01	11.13	12.79	12.57
101.2082	12.57	12.04	11.12	12.78	12.50
101.3027	12.61	12.04	11.03	12.78	12.55
101.3971	12.68	12.04	11.02	12.80	12.62
101.4915	12.70	12.01	11.03	12.76	12.67
101.5859	12.62	12.03	11.06	12.77	12.63
101.6803	12.58	12.07	11.07	12.76	12.52
101.7747	12.56	12.08	11.02	12.73	12.46
101.8691	12.63	12.07	11.00	12.75	12.55
101.9635	12.70	12.03	11.01	12.73	12.69
102.0579	12.69	12.05	11.06	12.68	12.75
102.1524	12.62	12.07	11.10	12.70	12.64

102.2468	12.58	12.06	11.12	12.74	12.50
102.3412	12.61	12.06	11.06	12.74	12.48
102.4356	12.67	12.00	11.05	12.75	12.65
102.5300	12.69	11.99	11.11	12.70	12.79
102.6244	12.64	12.04	11.16	12.72	12.66
102.7188	12.56	12.05	11.13	12.76	12.45
102.8132	12.54	12.00	11.03	12.79	12.36
102.9076	12.59	11.99	10.99	12.78	12.46
103.0020	12.64	11.98	11.07	12.76	12.67
103.0965	12.64	12.03	11.15	12.75	12.72
103.1909	12.59	12.07	11.10	12.79	12.52
103.2853	12.54	12.05	11.04	12.83	12.36
103.3797	12.57	12.01	11.03	12.83	12.40
103.4741	12.65	12.00	11.14	12.78	12.62
103.5685	12.69	12.03	11.17	12.75	12.80
103.6629	12.65	12.05	11.13	12.80	12.70
103.7573	12.59	12.04	11.09	12.83	12.42
103.8517	12.54	11.99	11.06	12.81	12.34
103.9462	12.60	11.98	11.09	12.78	12.55
104.0406	12.67	12.01	11.09	12.76	12.77
104.1350	12.71	12.06	11.11	12.76	12.76
104.2294	12.64	12.05	11.06	12.84	12.55
104.3238	12.58	12.02	11.03	12.80	12.39
104.4182	12.57	12.01	11.03	12.78	12.49
104.5126	12.67	12.03	11.10	12.75	12.73
104.6070	12.71	12.07	11.10	12.77	12.80
104.7014	12.70	12.08	11.08	12.81	12.65
104.7959	12.63	12.03	11.03	12.86	12.46
104.8903	12.57	12.00	11.04	12.77	12.43
104.9847	12.60	12.01	11.12	12.73	12.57
105.0791	12.66	12.06	11.09	12.73	12.74
105.1735	12.69	12.05	11.05	12.77	12.68
105.2679	12.65	12.03	10.99	12.79	12.52
105.3623	12.58	11.98	11.05	12.75	12.45
105.4567	12.57	11.97	11.07	12.71	12.53
105.5511	12.63	12.03	11.07	12.69	12.67
105.6455	12.66	12.03	11.04	12.72	12.71
105.7400	12.67	11.99	11.04	12.75	12.62
105.8344	12.61	11.96	11.09	12.77	12.49
105.9288	12.56	11.97	11.10	12.72	12.49
106.0232	12.56	11.99	11.10	12.74	12.54
106.1176	12.60	12.02	11.06	12.74	12.54
106.2120	12.61	11.97	11.06	12.79	12.54
106.3064	12.60	11.93	11.04	12.79	12.48
106.4008	12.52	11.96	11.06	12.77	12.42
106.4952	12.50	11.98	11.05	12.73	12.42
106.5897	12.52	12.01	11.04	12.74	12.48
106.6841	12.59	11.98	11.00	12.74	12.53
106.7785	12.64	11.96	11.01	12.76	12.58
106.8729	12.61	11.95	11.04	12.77	12.60
106.9673	12.57	12.02	11.08	12.73	12.53
107.0617	12.55	12.03	11.07	12.75	12.52
107.1561	12.61	12.01	10.99	12.75	12.58
107.2505	12.66	11.98	11.03	12.78	12.63
107.3449	12.68	11.99	11.10	12.78	12.64
107.4393	12.62	12.04	11.11	12.75	12.62
107.5338	12.55	12.07	11.05	12.75	12.48
107.6282	12.56	12.05	11.03	12.75	12.45
107.7226	12.64	12.01	11.03	12.77	12.58
107.8170	12.69	12.02	11.08	12.76	12.68
107.9114	12.66	12.06	11.08	12.74	12.70

108.0058	12.59	12.08	11.03	12.73	12.57
108.1002	12.56	12.07	11.03	12.77	12.44
108.1946	12.61	12.04	11.03	12.77	12.50
108.2890	12.68	12.00	11.07	12.77	12.73
108.3835	12.71	12.05	11.09	12.72	12.76
108.4779	12.63	12.06	11.09	12.73	12.63
108.5723	12.55	12.05	11.04	12.75	12.42
108.6667	12.55	12.01	11.02	12.78	12.39
108.7611	12.63	11.98	11.06	12.75	12.58
108.8555	12.68	12.02	11.11	12.71	12.73
108.9499	12.65	12.07	11.09	12.72	12.67
109.0443	12.55	12.05	11.05	12.75	12.42
109.1387	12.52	12.00	11.02	12.80	12.33
109.2332	12.58	11.99	11.06	12.76	12.47
109.3276	12.63	11.97	11.13	12.76	12.68
109.4220	12.65	12.04	11.10	12.73	12.69
109.5164	12.58	12.01	11.02	12.81	12.49
109.6108	12.51	11.97	11.02	12.82	12.27
109.7052	12.51	11.94	11.06	12.82	12.35
109.7996	12.57	11.92	11.08	12.75	12.58
109.8940	12.62	11.96	11.08	12.71	12.67
109.9884	12.60	11.98	11.03	12.74	12.57
110.0828	12.54	11.94	11.03	12.76	12.36
110.1773	12.49	11.92	11.06	12.76	12.32
110.2717	12.55	11.95	11.03	12.70	12.53
110.3661	12.62	11.97	11.02	12.71	12.74
110.4605	12.67	12.01	11.01	12.70	12.69
110.5549	12.62	12.01	11.00	12.79	12.52
110.6493	12.57	11.99	10.99	12.77	12.41
110.7437	12.55	11.98	10.99	12.76	12.50
110.8381	12.61	12.01	11.02	12.72	12.63
110.9325	12.64	12.04	11.02	12.75	12.68
111.0270	12.64	12.02	10.99	12.75	12.56
111.1214	12.57	11.99	10.99	12.76	12.41
111.2158	12.53	11.97	11.01	12.69	12.46
111.3102	12.54	12.00	11.03	12.67	12.56
111.4046	12.61	12.03	11.03	12.70	12.65
111.4990	12.64	12.02	11.00	12.72	12.63
111.5934	12.62	11.99	11.03	12.72	12.54
111.6878	12.57	11.98	11.07	12.65	12.50
111.7822	12.54	12.01	11.06	12.66	12.56
111.8767	12.58	12.03	11.06	12.72	12.61
111.9711	12.64	12.02	11.05	12.77	12.58
112.0655	12.63	12.01	11.05	12.77	12.55
112.1599	12.58	11.98	11.05	12.73	12.48
112.2543	12.53	12.01	11.07	12.69	12.46
112.3487	12.52	12.03	11.08	12.73	12.48
112.4431	12.58	12.03	11.09	12.79	12.49
112.5375	12.63	11.98	11.08	12.79	12.49
112.6319	12.61	11.98	11.06	12.75	12.55
112.7263	12.55	12.00	11.10	12.68	12.52
112.8208	12.53	12.01	11.12	12.70	12.48
112.9152	12.55	12.02	11.09	12.78	12.48
113.0096	12.62	11.97	11.04	12.81	12.54
113.1040	12.65	11.94	11.05	12.79	12.63
113.1984	12.61	11.96	11.08	12.72	12.63
113.2928	12.55	12.00	11.10	12.71	12.53
113.3872	12.54	11.99	11.05	12.75	12.44
113.4816	12.58	11.96	10.99	12.80	12.49
113.5760	12.63	11.93	11.01	12.79	12.59
113.6705	12.65	11.96	11.07	12.73	12.65

113.7649	12.58	12.01	11.07	12.68	12.58
113.8593	12.53	12.03	11.02	12.71	12.47
113.9537	12.57	12.01	10.98	12.76	12.43
114.0481	12.63	11.96	11.02	12.78	12.57
114.1425	12.66	12.00	11.04	12.75	12.70
114.2369	12.64	12.01	11.04	12.71	12.68
114.3313	12.56	12.01	11.02	12.70	12.50
114.4257	12.53	11.98	10.96	12.76	12.40
114.5202	12.58	11.93	10.97	12.77	12.46
114.6146	12.61	11.92	10.99	12.74	12.64
114.7090	12.63	11.96	11.05	12.70	12.71
114.8034	12.58	11.98	11.03	12.68	12.51
114.8978	12.52	11.94	10.99	12.70	12.37
114.9922	12.53	11.93	10.99	12.74	12.39
115.0866	12.60	11.92	11.05	12.72	12.58
115.1810	12.62	11.97	11.10	12.69	12.69
115.2754	12.60	12.03	11.07	12.68	12.60
115.3698	12.53	11.98	11.02	12.70	12.39
115.4643	12.52	11.93	10.99	12.73	12.33
115.5587	12.55	11.95	11.04	12.73	12.48
115.6531	12.60	11.97	11.05	12.73	12.62
115.7475	12.60	12.01	11.05	12.71	12.62
115.8419	12.54	11.99	11.00	12.71	12.44
115.9363	12.49	11.91	10.99	12.68	12.31
116.0307	12.50	11.93	11.00	12.68	12.38
116.1251	12.56	11.96	11.04	12.69	12.62
116.2195	12.61	11.97	11.06	12.71	12.68
116.3140	12.61	11.98	11.04	12.70	12.55
116.4084	12.55	11.96	11.02	12.69	12.45
116.5028	12.54	11.95	11.00	12.68	12.44
116.5972	12.57	11.97	11.07	12.72	12.59
116.6916	12.63	12.03	11.07	12.76	12.69
116.7860	12.64	12.02	11.04	12.80	12.61
116.8804	12.61	12.00	10.97	12.76	12.47
116.9748	12.56	11.97	10.96	12.70	12.46
117.0692	12.55	12.01	11.03	12.71	12.53
117.1636	12.59	12.02	11.07	12.73	12.62
117.2581	12.62	12.04	11.03	12.80	12.63
117.3525	12.64	12.02	10.97	12.76	12.55
117.4469	12.58	11.96	11.02	12.69	12.49
117.5413	12.56	11.99	11.08	12.64	12.52
117.6357	12.56	12.01	11.12	12.73	12.59
117.7301	12.61	12.00	11.03	12.78	12.59
117.8245	12.62	11.98	11.00	12.83	12.56
117.9189	12.61	11.94	11.02	12.76	12.51
118.0133	12.56	11.94	11.05	12.69	12.51
118.1078	12.55	12.00	11.04	12.71	12.52
118.2022	12.55	12.00	11.00	12.80	12.51
118.2966	12.59	11.97	10.98	12.83	12.46
118.3910	12.59	11.97	10.98	12.78	12.48
118.4854	12.57	11.95	11.01	12.67	12.54
118.5798	12.54	12.01	11.04	12.66	12.49
118.6742	12.54	12.02	11.04	12.72	12.45
118.7686	12.55	11.99	10.99	12.77	12.43
118.8630	12.57	11.94	11.01	12.77	12.48
118.9575	12.58	11.95	11.03	12.70	12.55
119.0519	12.54	11.97	11.08	12.64	12.54
119.1463	12.52	11.99	11.05	12.67	12.43
119.2407	12.51	11.94	10.97	12.74	12.40
119.3351	12.54	11.88	10.95	12.76	12.48
119.4295	12.58	11.88	11.00	12.72	12.57

119.5239	12.56	11.93	11.02	12.63	12.59
119.6183	12.52	11.98	10.99	12.62	12.51
119.7127	12.52	11.92	10.95	12.69	12.40
119.8071	12.54	11.93	10.93	12.73	12.44
119.9016	12.58	11.94	11.02	12.74	12.59
119.9960	12.60	11.97	11.05	12.68	12.65
120.0904	12.57	12.02	11.04	12.65	12.55
120.1848	12.53	12.01	10.99	12.69	12.40
120.2792	12.53	11.97	10.95	12.74	12.38
120.3736	12.58	11.95	10.99	12.77	12.52
120.4680	12.61	11.98	11.02	12.73	12.68
120.5624	12.60	12.01	11.02	12.68	12.62
120.6568	12.54	12.01	10.98	12.64	12.44
120.7513	12.51	11.96	10.93	12.70	12.38
120.8457	12.55	11.94	10.95	12.71	12.49
120.9401	12.59	11.96	11.03	12.72	12.65
121.0345	12.61	12.01	11.06	12.68	12.68
121.1289	12.56	12.00	11.01	12.68	12.52
121.2233	12.54	11.96	10.97	12.70	12.37
121.3177	12.52	11.97	11.00	12.74	12.41
121.4121	12.57	11.96	11.10	12.76	12.57
121.5065	12.60	12.03	11.14	12.76	12.61
121.6010	12.58	12.04	11.05	12.75	12.52
121.6954	12.53	12.00	11.00	12.74	12.35
121.7898	12.53	11.96	11.03	12.76	12.33
121.8842	12.53	11.98	11.06	12.72	12.50
121.9786	12.59	12.01	11.07	12.75	12.64
122.0730	12.59	12.03	11.01	12.72	12.59
122.1674	12.58	11.96	10.98	12.69	12.45
122.2618	12.55	11.93	11.00	12.69	12.40
122.3562	12.55	11.95	11.05	12.68	12.50
122.4506	12.57	11.97	11.08	12.70	12.63
122.5451	12.59	11.98	11.05	12.73	12.63
122.6395	12.59	11.93	11.03	12.72	12.50
122.7339	12.56	11.92	11.01	12.70	12.41
122.8283	12.54	11.94	11.04	12.70	12.48
122.9227	12.54	11.96	11.06	12.70	12.56
123.0171	12.56	11.99	11.04	12.72	12.58
123.1115	12.56	11.96	10.98	12.74	12.48
123.2059	12.57	11.92	10.95	12.70	12.45
123.3003	12.54	11.93	11.00	12.66	12.46
123.3948	12.54	11.96	11.02	12.65	12.56
123.4892	12.55	11.97	10.99	12.70	12.57
123.5836	12.57	11.95	10.95	12.75	12.51
123.6780	12.57	11.91	10.94	12.72	12.49
123.7724	12.55	11.90	11.01	12.65	12.48
123.8668	12.53	11.93	11.02	12.64	12.52
123.9612	12.53	11.95	10.99	12.69	12.53
124.0556	12.54	11.91	10.97	12.77	12.47
124.1500	12.55	11.90	10.97	12.76	12.44
124.2444	12.56	11.88	11.01	12.67	12.50
124.3389	12.52	11.92	11.00	12.64	12.50
124.4333	12.52	11.95	10.97	12.65	12.49
124.5277	12.52	11.94	10.96	12.75	12.45
124.6221	12.54	11.92	11.01	12.78	12.45
124.7165	12.56	11.91	11.01	12.74	12.50
124.8109	12.55	11.95	11.01	12.63	12.54
124.9053	12.53	11.98	11.01	12.67	12.50
124.9997	12.53	11.99	11.03	12.73	12.41
125.0941	12.54	11.94	11.03	12.80	12.42
125.1886	12.56	11.92	11.02	12.73	12.49

125.2830	12.57	11.94	11.04	12.65	12.59
125.3774	12.55	12.00	11.03	12.58	12.55
125.4718	12.54	11.99	11.00	12.64	12.49
125.5662	12.53	11.95	11.00	12.71	12.43
125.6606	12.58	11.94	11.02	12.71	12.53
125.7550	12.59	11.95	11.03	12.66	12.66
125.8494	12.59	12.01	11.01	12.59	12.63
125.9438	12.55	12.02	11.00	12.64	12.51
126.0383	12.54	11.97	10.99	12.71	12.43
126.1327	12.56	11.95	11.03	12.77	12.47
126.2271	12.59	11.97	11.02	12.74	12.59
126.3215	12.59	11.99	11.03	12.69	12.65
126.4159	12.58	12.00	11.03	12.68	12.50
126.5103	12.54	11.97	11.03	12.72	12.39
126.6047	12.55	11.94	11.02	12.76	12.43
126.6991	12.58	11.93	11.01	12.75	12.58
126.7935	12.58	11.96	11.05	12.69	12.66
126.8879	12.58	11.97	11.03	12.64	12.58
126.9824	12.54	11.95	11.00	12.67	12.43
127.0768	12.54	11.92	10.97	12.72	12.38
127.1712	12.55	11.89	11.00	12.76	12.54
127.2656	12.57	11.93	11.05	12.75	12.62
127.3600	12.55	11.96	11.04	12.72	12.56
127.4544	12.52	11.93	10.97	12.72	12.39
127.5488	12.52	11.90	10.96	12.75	12.32
127.6432	12.52	11.90	11.00	12.76	12.40
127.7376	12.54	11.92	11.03	12.75	12.55
127.8321	12.54	11.97	11.01	12.74	12.56
127.9265	12.52	11.95	10.92	12.70	12.40
128.0209	12.51	11.91	10.93	12.69	12.36
128.1153	12.53	11.90	10.99	12.68	12.41
128.2097	12.54	11.94	11.01	12.70	12.54
128.3041	12.57	11.99	10.96	12.71	12.62
128.3985	12.56	11.97	10.93	12.71	12.53
128.4929	12.54	11.90	10.93	12.66	12.40
128.5873	12.52	11.91	10.97	12.64	12.42
128.6818	12.54	11.94	11.00	12.63	12.54
128.7762	12.55	11.98	11.00	12.67	12.61
128.8706	12.56	11.96	11.00	12.70	12.55
128.9650	12.55	11.91	10.96	12.65	12.44
129.0594	12.52	11.91	10.98	12.60	12.43
129.1538	12.53	11.95	11.00	12.57	12.52
129.2482	12.54	11.97	11.01	12.64	12.58
129.3426	12.55	11.99	10.98	12.69	12.54
129.4370	12.54	11.95	10.92	12.73	12.47
129.5314	12.53	11.92	10.92	12.66	12.43
129.6259	12.52	11.94	11.00	12.62	12.49
129.7203	12.53	11.99	11.03	12.64	12.52
129.8147	12.53	11.99	10.99	12.76	12.52
129.9091	12.55	11.95	10.97	12.77	12.47
130.0035	12.55	11.92	10.98	12.72	12.46
130.0979	12.53	11.93	11.04	12.63	12.50
130.1923	12.53	11.96	11.04	12.62	12.53
130.2867	12.54	11.98	11.03	12.70	12.51
130.3811	12.56	11.94	10.99	12.78	12.47
130.4756	12.55	11.94	11.00	12.75	12.47
130.5700	12.55	11.94	11.00	12.66	12.50
130.6644	12.53	11.98	11.03	12.65	12.53
130.7588	12.53	11.99	11.03	12.72	12.45
130.8532	12.53	11.98	10.98	12.81	12.41
130.9476	12.56	11.95	10.96	12.82	12.43

131.0420	12.54	11.92	10.97	12.75	12.51
131.1364	12.53	11.97	11.03	12.67	12.50
131.2308	12.52	12.00	11.04	12.70	12.45
131.3253	12.53	11.97	11.01	12.76	12.39
131.4197	12.56	11.94	10.95	12.77	12.45
131.5141	12.56	11.93	11.01	12.70	12.55
131.6085	12.54	11.95	11.04	12.63	12.59
131.7029	12.55	12.01	11.05	12.60	12.53
131.7973	12.55	11.98	10.98	12.69	12.45
131.8917	12.57	11.91	10.92	12.73	12.48
131.9861	12.59	11.93	10.97	12.73	12.56
132.0805	12.57	11.96	11.00	12.67	12.63
132.1749	12.55	11.99	11.01	12.64	12.56
132.2694	12.53	11.97	10.96	12.66	12.40
132.3638	12.54	11.91	10.93	12.70	12.37
132.4582	12.54	11.91	10.96	12.71	12.48
132.5526	12.55	11.93	11.00	12.68	12.58
132.6470	12.52	11.95	11.01	12.62	12.56
132.7414	12.49	11.93	10.98	12.60	12.41
132.8358	12.48	11.90	10.94	12.63	12.31
132.9302	12.50	11.86	10.95	12.65	12.44
133.0246	12.53	11.89	11.00	12.68	12.59
133.1191	12.53	11.92	11.02	12.65	12.59
133.2135	12.49	11.90	10.99	12.64	12.45
133.3079	12.47	11.87	10.93	12.66	12.31
133.4023	12.49	11.86	10.91	12.68	12.39
133.4967	12.54	11.89	10.97	12.70	12.55
133.5911	12.55	11.94	11.03	12.73	12.60
133.6855	12.52	11.93	10.98	12.71	12.48
133.7799	12.49	11.90	10.93	12.69	12.33
133.8743	12.49	11.89	10.96	12.69	12.32
133.9687	12.52	11.92	11.02	12.66	12.47
134.0632	12.55	11.96	11.06	12.69	12.58
134.1576	12.54	11.98	11.01	12.71	12.54
134.2520	12.50	11.93	10.95	12.70	12.39
134.3464	12.49	11.92	10.96	12.69	12.32
134.4408	12.52	11.92	11.00	12.66	12.47
134.5352	12.56	11.96	11.03	12.69	12.60
134.6296	12.58	11.98	11.02	12.72	12.62
134.7240	12.55	11.95	10.96	12.73	12.49
134.8184	12.53	11.93	10.95	12.68	12.42
134.9129	12.54	11.92	11.00	12.65	12.48
135.0073	12.59	11.97	11.04	12.62	12.63
135.1017	12.60	12.02	11.04	12.67	12.64
135.1961	12.58	11.98	11.01	12.68	12.54
135.2905	12.54	11.95	10.96	12.69	12.47
135.3849	12.55	11.97	11.00	12.65	12.45
135.4793	12.56	12.00	11.07	12.64	12.55
135.5737	12.60	12.04	11.07	12.67	12.59
135.6681	12.57	11.99	10.98	12.72	12.54
135.7626	12.54	11.93	10.92	12.71	12.44
135.8570	12.52	11.92	10.99	12.68	12.45
135.9514	12.52	11.92	11.04	12.66	12.49
136.0458	12.55	11.95	11.03	12.64	12.54
136.1402	12.55	11.91	10.96	12.71	12.51
136.2346	12.54	11.86	10.94	12.69	12.46
136.3290	12.49	11.84	11.01	12.68	12.45
136.4234	12.50	11.88	11.05	12.64	12.47
136.5178	12.49	11.91	11.03	12.65	12.49
136.6122	12.52	11.87	10.98	12.67	12.42
136.7067	12.53	11.84	10.98	12.76	12.41

136.8011	12.50	11.87	10.99	12.72	12.44
136.8955	12.48	11.88	11.01	12.70	12.45
136.9899	12.49	11.93	11.00	12.70	12.42
137.0843	12.51	11.92	10.94	12.71	12.38
137.1787	12.53	11.88	10.93	12.75	12.38
137.2731	12.53	11.88	10.94	12.72	12.48
137.3675	12.50	11.88	10.97	12.67	12.54
137.4619	12.50	11.91	10.98	12.63	12.47
137.5564	12.49	11.92	10.92	12.66	12.41
137.6508	12.53	11.88	10.90	12.67	12.40
137.7452	12.54	11.86	10.94	12.69	12.50
137.8396	12.55	11.89	10.98	12.63	12.59
137.9340	12.51	11.93	10.97	12.63	12.56
138.0284	12.51	11.95	10.94	12.65	12.45
138.1228	12.53	11.91	10.93	12.69	12.39
138.2172	12.57	11.92	10.96	12.69	12.50
138.3116	12.57	11.95	10.98	12.64	12.62
138.4061	12.56	11.97	10.97	12.61	12.64
138.5005	12.52	12.01	10.94	12.65	12.50
138.5949	12.52	11.97	10.94	12.66	12.38
138.6893	12.56	11.95	10.98	12.66	12.43
138.7837	12.57	11.96	11.00	12.64	12.57
138.8781	12.56	11.98	11.00	12.60	12.65
138.9725	12.52	11.98	10.99	12.63	12.52
139.0669	12.49	11.95	10.98	12.68	12.34
139.1613	12.51	11.91	10.99	12.69	12.34
139.2557	12.55	11.91	11.02	12.69	12.49
139.3502	12.54	11.94	11.02	12.67	12.63
139.4446	12.51	11.96	11.02	12.67	12.57
139.5390	12.48	11.93	11.01	12.70	12.36
139.6334	12.48	11.89	10.98	12.72	12.31
139.7278	12.53	11.91	11.00	12.70	12.43
139.8222	12.57	11.93	11.02	12.68	12.61
139.9166	12.54	11.98	11.02	12.68	12.59
140.0110	12.48	11.94	10.99	12.71	12.41
140.1054	12.49	11.92	10.96	12.74	12.27
140.1999	12.50	11.90	11.00	12.73	12.35
140.2943	12.54	11.96	11.04	12.71	12.50
140.3887	12.56	11.98	11.04	12.69	12.59
140.4831	12.52	11.95	10.99	12.73	12.47
140.5775	12.49	11.91	10.95	12.75	12.34
140.6719	12.50	11.89	10.98	12.72	12.35
140.7663	12.53	11.91	10.98	12.67	12.49
140.8607	12.57	11.96	10.97	12.66	12.64
140.9551	12.55	11.93	10.93	12.66	12.59
141.0496	12.52	11.89	10.89	12.70	12.44
141.1440	12.51	11.89	10.89	12.67	12.38
141.2384	12.51	11.90	10.93	12.63	12.48
141.3328	12.55	11.96	10.99	12.60	12.57
141.4272	12.55	11.98	10.94	12.66	12.58
141.5216	12.54	11.92	10.91	12.70	12.46
141.6160	12.51	11.90	10.92	12.70	12.40
141.7104	12.50	11.92	10.98	12.66	12.42
141.8048	12.51	11.97	11.01	12.62	12.48
141.8992	12.56	11.98	10.96	12.64	12.54
141.9937	12.55	11.94	10.90	12.69	12.49
142.0881	12.53	11.88	10.94	12.66	12.46
142.1825	12.49	11.89	10.98	12.62	12.43
142.2769	12.49	11.93	10.99	12.59	12.47
142.3713	12.51	11.94	10.96	12.61	12.47
142.4657	12.51	11.88	10.91	12.63	12.47

142.5601	12.50	11.84	10.96	12.65	12.44
142.6545	12.47	11.85	10.98	12.63	12.45
142.7489	12.45	11.90	11.01	12.62	12.42
142.8434	12.45	11.93	10.97	12.67	12.37
142.9378	12.50	11.88	10.99	12.69	12.39
143.0322	12.52	11.87	11.00	12.71	12.43
143.1266	12.51	11.91	10.99	12.67	12.49
143.2210	12.47	11.93	11.00	12.66	12.47
143.3154	12.47	11.95	11.00	12.67	12.39
143.4098	12.51	11.93	10.96	12.72	12.36
143.5042	12.55	11.94	10.95	12.71	12.46
143.5986	12.56	11.92	10.97	12.67	12.56
143.6930	12.54	11.94	10.98	12.63	12.58
143.7875	12.50	11.96	11.01	12.67	12.48
143.8819	12.50	11.95	10.98	12.71	12.35
143.9763	12.54	11.93	10.98	12.72	12.44
144.0707	12.58	11.92	11.01	12.69	12.58
144.1651	12.58	11.92	11.02	12.63	12.66
144.2595	12.53	11.99	11.01	12.65	12.56
144.3539	12.49	11.96	10.99	12.69	12.40
144.4483	12.53	11.93	10.98	12.72	12.38
144.5427	12.59	11.94	10.98	12.69	12.54
144.6372	12.59	11.95	10.96	12.64	12.68
144.7316	12.56	11.99	10.98	12.63	12.61
144.8260	12.50	11.98	10.96	12.70	12.42
144.9204	12.50	11.94	10.93	12.71	12.30
145.0148	12.53	11.92	10.95	12.69	12.41
145.1092	12.58	11.93	10.95	12.65	12.61
145.2036	12.57	11.96	11.00	12.65	12.65
145.2980	12.53	11.95	11.00	12.69	12.47
145.3924	12.48	11.90	10.96	12.69	12.28
145.4869	12.48	11.86	10.98	12.66	12.34
145.5813	12.54	11.87	10.99	12.62	12.55
145.6757	12.56	11.91	11.03	12.61	12.65
145.7701	12.53	11.92	10.99	12.63	12.53
145.8645	12.45	11.83	10.93	12.68	12.31
145.9589	12.43	11.82	10.91	12.66	12.23
146.0533	12.45	11.84	10.95	12.63	12.41
146.1477	12.51	11.88	11.00	12.64	12.55
146.2421	12.51	11.89	10.97	12.66	12.51
146.3365	12.46	11.83	10.90	12.72	12.32
146.4310	12.43	11.82	10.93	12.70	12.22
146.5254	12.43	11.85	10.98	12.66	12.31
146.6198	12.50	11.90	11.01	12.63	12.53
146.7142	12.55	11.90	10.99	12.63	12.60
146.8086	12.53	11.84	10.93	12.66	12.48
146.9030	12.48	11.86	10.92	12.68	12.36
146.9974	12.46	11.87	10.95	12.64	12.38
147.0918	12.50	11.90	10.98	12.59	12.53
147.1862	12.58	11.94	10.95	12.61	12.63
147.2807	12.57	11.89	10.92	12.65	12.58
147.3751	12.52	11.88	10.89	12.69	12.44
147.4695	12.47	11.91	10.91	12.69	12.39
147.5639	12.48	11.91	10.98	12.65	12.47
147.6583	12.56	11.97	11.00	12.63	12.55
147.7527	12.59	11.95	10.96	12.69	12.57
147.8471	12.58	11.95	10.91	12.68	12.53
147.9415	12.52	11.93	10.97	12.69	12.45
148.0359	12.49	11.95	11.04	12.63	12.43
148.1304	12.51	11.97	11.04	12.64	12.49
148.2248	12.57	11.98	10.97	12.63	12.52

148.3192	12.57	11.95	10.92	12.67	12.53
148.4136	12.55	11.91	10.96	12.66	12.52
148.5080	12.48	11.95	11.02	12.65	12.44
148.6024	12.47	11.97	11.02	12.67	12.43
148.6968	12.52	11.98	10.99	12.68	12.44
148.7912	12.57	11.90	10.97	12.68	12.47
148.8856	12.56	11.90	10.97	12.68	12.53
148.9800	12.52	11.93	11.02	12.70	12.50
149.0745	12.46	11.95	11.08	12.69	12.42
149.1689	12.47	11.94	11.03	12.69	12.34
149.2633	12.51	11.91	10.96	12.69	12.37
149.3577	12.56	11.87	10.96	12.65	12.52
149.4521	12.54	11.90	11.00	12.66	12.55
149.5465	12.45	11.94	11.05	12.71	12.42
149.6409	12.42	11.92	10.99	12.67	12.28
149.7353	12.45	11.87	10.89	12.68	12.27
149.8297	12.54	11.88	10.90	12.67	12.46
149.9242	12.56	11.86	10.97	12.64	12.61
150.0186	12.51	11.93	11.00	12.67	12.56
150.1130	12.45	11.90	10.97	12.69	12.38
150.2074	12.44	11.85	10.90	12.68	12.29
150.3018	12.53	11.87	10.91	12.64	12.41
150.3962	12.57	11.88	10.97	12.59	12.63
150.4906	12.56	11.91	10.98	12.60	12.66
150.5850	12.49	11.93	10.94	12.64	12.48
150.6794	12.44	11.87	10.87	12.71	12.26
150.7738	12.47	11.88	10.86	12.66	12.30
150.8683	12.54	11.89	10.91	12.61	12.52
150.9627	12.55	11.92	10.92	12.59	12.65
151.0571	12.52	11.95	10.91	12.65	12.54
151.1515	12.45	11.91	10.88	12.72	12.30
151.2459	12.45	11.91	10.87	12.72	12.25
151.3403	12.51	11.89	10.95	12.66	12.43
151.4347	12.57	11.91	10.97	12.56	12.65
151.5291	12.55	11.95	10.98	12.61	12.62
151.6235	12.48	11.91	10.94	12.68	12.41
151.7180	12.43	11.87	10.92	12.69	12.24
151.8124	12.46	11.87	10.97	12.63	12.33
151.9068	12.53	11.89	11.00	12.57	12.56
152.0012	12.56	11.96	10.99	12.57	12.63
152.0956	12.51	11.94	10.96	12.67	12.47
152.1900	12.43	11.89	10.94	12.72	12.27
152.2844	12.43	11.89	10.98	12.71	12.27
152.3788	12.50	11.95	11.01	12.66	12.44
152.4732	12.56	11.96	11.00	12.63	12.62
152.5677	12.55	11.97	10.98	12.65	12.54
152.6621	12.49	11.90	10.96	12.71	12.37
152.7565	12.44	11.91	11.00	12.71	12.29
152.8509	12.47	11.92	11.02	12.65	12.41
152.9453	12.54	11.95	11.03	12.62	12.57
153.0397	12.58	11.93	10.98	12.61	12.60
153.1341	12.54	11.90	10.98	12.66	12.48
153.2285	12.48	11.90	10.96	12.70	12.38
153.3229	12.46	11.90	10.97	12.68	12.41
153.4173	12.52	11.95	10.98	12.64	12.50
153.5118	12.57	11.94	10.97	12.61	12.60
153.6062	12.58	11.91	10.95	12.68	12.55
153.7006	12.55	11.92	10.92	12.72	12.48
153.7950	12.48	11.91	10.97	12.71	12.41
153.8894	12.48	11.94	11.01	12.67	12.44
153.9838	12.53	11.95	11.01	12.63	12.49

154.0782	12.56	11.91	10.92	12.65	12.51
154.1726	12.55	11.89	10.92	12.70	12.49
154.2670	12.49	11.88	10.97	12.69	12.43
154.3615	12.44	11.89	11.00	12.66	12.38
154.4559	12.46	11.93	10.96	12.67	12.37
154.5503	12.52	11.88	10.88	12.65	12.42
154.6447	12.54	11.85	10.89	12.68	12.48
154.7391	12.52	11.86	10.96	12.67	12.51
154.8335	12.47	11.87	10.96	12.67	12.46
154.9279	12.46	11.92	10.93	12.65	12.38
155.0223	12.49	11.89	10.88	12.68	12.37
155.1167	12.54	11.84	10.90	12.62	12.46
155.2112	12.53	11.84	10.97	12.61	12.55
155.3056	12.49	11.90	10.97	12.61	12.51
155.4000	12.43	11.90	10.98	12.65	12.36
155.4944	12.43	11.89	10.93	12.65	12.23
155.5888	12.48	11.85	10.90	12.63	12.32
155.6832	12.52	11.85	10.97	12.60	12.51
155.7776	12.50	11.88	10.98	12.60	12.57
155.8720	12.45	11.92	10.96	12.65	12.42
155.9664	12.43	11.88	10.90	12.67	12.28
156.0608	12.46	11.86	10.91	12.64	12.30
156.1553	12.53	11.85	10.96	12.60	12.53
156.2497	12.55	11.89	10.98	12.57	12.69
156.3441	12.52	11.92	10.95	12.58	12.59
156.4385	12.46	11.89	10.92	12.66	12.37
156.5329	12.45	11.86	10.93	12.65	12.27
156.6273	12.51	11.89	10.96	12.61	12.45
156.7217	12.57	11.92	11.00	12.58	12.65
156.8161	12.56	11.96	10.96	12.61	12.66
156.9105	12.49	11.93	10.96	12.67	12.43
157.0050	12.45	11.93	10.97	12.73	12.25
157.0994	12.49	11.93	10.98	12.70	12.33
157.1938	12.55	11.93	11.00	12.63	12.60
157.2882	12.60	11.96	10.98	12.62	12.70
157.3826	12.56	11.96	10.95	12.69	12.58
157.4770	12.48	11.93	10.97	12.73	12.33
157.5714	12.47	11.90	10.97	12.72	12.28
157.6658	12.50	11.89	10.98	12.64	12.49
157.7602	12.57	11.92	10.99	12.59	12.65
157.8547	12.57	11.95	10.98	12.64	12.59
157.9491	12.49	11.89	10.98	12.74	12.36
158.0435	12.43	11.88	10.98	12.72	12.24
158.1379	12.45	11.88	10.98	12.66	12.34
158.2323	12.51	11.92	10.98	12.63	12.54
158.3267	12.56	11.98	11.00	12.63	12.61
158.4211	12.55	11.93	10.96	12.72	12.47
158.5155	12.49	11.88	10.95	12.74	12.31
158.6099	12.46	11.90	10.97	12.67	12.33
158.7043	12.48	11.93	10.96	12.62	12.47
158.7988	12.54	11.95	10.96	12.62	12.57
158.8932	12.56	11.91	10.93	12.64	12.54
158.9876	12.52	11.83	10.93	12.68	12.38
159.0820	12.44	11.84	10.92	12.65	12.31
159.1764	12.42	11.88	10.94	12.62	12.37
159.2708	12.47	11.90	10.96	12.59	12.49
159.3652	12.54	11.82	10.95	12.61	12.51
159.4596	12.53	11.82	10.94	12.64	12.47
159.5540	12.48	11.83	10.94	12.63	12.42
159.6485	12.43	11.86	10.95	12.62	12.40
159.7429	12.45	11.89	10.97	12.61	12.45

159.8373	12.51	11.86	10.93	12.59	12.47
159.9317	12.55	11.83	10.86	12.63	12.51
160.0261	12.52	11.87	10.86	12.64	12.50
160.1205	12.46	11.88	10.92	12.60	12.42
160.2149	12.41	11.91	10.94	12.62	12.35
160.3093	12.45	11.88	10.90	12.64	12.36
160.4037	12.52	11.87	10.85	12.64	12.44
160.4981	12.53	11.87	10.90	12.68	12.50
160.5926	12.49	11.90	10.98	12.63	12.46
160.6870	12.43	11.92	10.98	12.62	12.38
160.7814	12.43	11.91	10.93	12.66	12.34
160.8758	12.49	11.88	10.89	12.68	12.39
160.9702	12.56	11.88	10.95	12.66	12.54
161.0646	12.56	11.90	10.98	12.65	12.58
161.1590	12.48	11.94	10.98	12.64	12.47
161.2534	12.42	11.93	10.95	12.67	12.31
161.3478	12.45	11.90	10.91	12.68	12.29
161.4423	12.54	11.90	10.92	12.66	12.47
161.5367	12.56	11.91	10.97	12.66	12.60
161.6311	12.54	11.95	11.01	12.64	12.52
161.7255	12.43	11.99	11.00	12.71	12.33
161.8199	12.43	11.95	10.95	12.68	12.24
161.9143	12.50	11.92	10.96	12.67	12.38
162.0087	12.59	11.93	11.00	12.64	12.62
162.1031	12.60	11.98	11.04	12.65	12.67
162.1975	12.52	11.99	11.02	12.65	12.49
162.2920	12.43	11.94	10.92	12.68	12.30
162.3864	12.46	11.89	10.91	12.61	12.34
162.4808	12.54	11.89	10.95	12.58	12.57
162.5752	12.60	11.93	10.98	12.62	12.70
162.6696	12.54	11.96	10.97	12.64	12.58
162.7640	12.44	11.88	10.92	12.67	12.30
162.8584	12.42	11.87	10.89	12.66	12.25
162.9528	12.47	11.88	10.95	12.61	12.43
163.0472	12.56	11.91	11.00	12.59	12.65
163.1416	12.57	11.95	11.00	12.65	12.61
163.2361	12.49	11.88	10.95	12.68	12.39
163.3305	12.43	11.86	10.90	12.71	12.22
163.4249	12.43	11.88	10.92	12.64	12.31
163.5193	12.49	11.87	10.97	12.59	12.54
163.6137	12.55	11.91	10.98	12.60	12.61
163.7081	12.51	11.85	10.91	12.68	12.44
163.8025	12.42	11.82	10.85	12.70	12.24
163.8969	12.38	11.81	10.88	12.65	12.22
163.9913	12.43	11.83	10.95	12.61	12.39
164.0858	12.51	11.86	10.96	12.60	12.57
164.1802	12.54	11.84	10.93	12.66	12.51
164.2746	12.48	11.80	10.87	12.71	12.35
164.3690	12.41	11.83	10.92	12.69	12.27
164.4634	12.43	11.86	10.99	12.61	12.34
164.5578	12.49	11.89	10.99	12.60	12.51
164.6522	12.55	11.90	10.93	12.65	12.55
164.7466	12.55	11.86	10.88	12.68	12.46
164.8410	12.46	11.87	10.90	12.66	12.34
164.9355	12.39	11.90	10.93	12.62	12.32
165.0299	12.44	11.92	10.96	12.58	12.42
165.1243	12.53	11.94	10.90	12.62	12.51
165.2187	12.57	11.89	10.89	12.65	12.51
165.3131	12.52	11.87	10.93	12.62	12.44
165.4075	12.44	11.90	10.97	12.59	12.40
165.5019	12.44	11.95	10.99	12.58	12.45

165.5963	12.51	11.93	10.96	12.57	12.51
165.6907	12.57	11.90	10.96	12.60	12.54
165.7851	12.56	11.88	10.95	12.64	12.55
165.8796	12.52	11.90	10.98	12.60	12.53
165.9740	12.45	11.94	11.00	12.61	12.44
166.0684	12.46	11.95	10.99	12.62	12.40
166.1628	12.50	11.89	10.93	12.63	12.44
166.2572	12.56	11.90	10.93	12.68	12.49
166.3516	12.54	11.91	10.96	12.67	12.53
166.4460	12.46	11.93	11.00	12.66	12.46
166.5404	12.44	11.95	11.01	12.65	12.35
166.6348	12.47	11.90	10.95	12.68	12.34
166.7293	12.54	11.90	10.96	12.68	12.47
166.8237	12.57	11.87	11.02	12.67	12.59
166.9181	12.51	11.90	11.05	12.64	12.55
167.0125	12.45	11.93	11.03	12.64	12.41
167.1069	12.43	11.85	10.97	12.64	12.28
167.2013	12.47	11.85	10.91	12.68	12.36
167.2957	12.54	11.84	10.93	12.66	12.52
167.3901	12.52	11.86	10.96	12.64	12.58
167.4845	12.46	11.90	10.96	12.66	12.41
167.5790	12.39	11.86	10.91	12.69	12.24
167.6734	12.43	11.84	10.86	12.68	12.23
167.7678	12.52	11.88	10.89	12.69	12.45
167.8622	12.56	11.90	10.96	12.66	12.62
167.9566	12.52	11.92	10.99	12.63	12.53
168.0510	12.45	11.92	10.91	12.67	12.33
168.1454	12.45	11.88	10.85	12.65	12.25
168.2398	12.48	11.85	10.90	12.62	12.42
168.3342	12.56	11.87	10.96	12.59	12.61
168.4286	12.54	11.92	10.94	12.60	12.64
168.5231	12.50	11.90	10.88	12.59	12.44
168.6175	12.42	11.83	10.83	12.63	12.25
168.7119	12.44	11.82	10.87	12.59	12.32
168.8063	12.51	11.85	10.93	12.57	12.56
168.9007	12.56	11.90	10.94	12.59	12.67
168.9951	12.52	11.88	10.89	12.61	12.53
169.0895	12.44	11.81	10.89	12.61	12.30
169.1839	12.42	11.85	10.92	12.61	12.25
169.2783	12.47	11.89	10.96	12.59	12.46
169.3728	12.53	11.89	11.00	12.60	12.60
169.4672	12.53	11.88	10.93	12.62	12.55
169.5616	12.47	11.85	10.90	12.65	12.32
169.6560	12.41	11.85	10.94	12.64	12.24
169.7504	12.41	11.87	10.95	12.60	12.33
169.8448	12.47	11.89	10.93	12.63	12.51
169.9392	12.53	11.90	10.92	12.63	12.56
170.0336	12.51	11.85	10.90	12.68	12.43
170.1280	12.46	11.88	10.93	12.68	12.31
170.2224	12.43	11.88	10.96	12.64	12.34
170.3169	12.47	11.90	10.98	12.60	12.49
170.4113	12.53	11.93	10.96	12.68	12.55
170.5057	12.54	11.88	10.95	12.68	12.50
170.6001	12.52	11.89	10.98	12.70	12.40
170.6945	12.45	11.90	10.99	12.67	12.35
170.7889	12.43	11.91	10.98	12.62	12.38
170.8833	12.47	11.95	10.96	12.65	12.46
170.9777	12.52	11.92	10.94	12.71	12.46
171.0721	12.54	11.91	10.95	12.71	12.45
171.1666	12.50	11.92	10.99	12.67	12.42
171.2610	12.46	11.94	10.94	12.63	12.40

171.3554	12.48	11.96	10.92	12.63	12.46
171.4498	12.54	11.95	10.94	12.68	12.49
171.5442	12.58	11.92	10.96	12.69	12.54
171.6386	12.57	11.90	10.98	12.64	12.55
171.7330	12.51	11.92	10.95	12.59	12.50
171.8274	12.48	11.95	10.94	12.59	12.45
171.9218	12.47	11.94	10.94	12.64	12.42
172.0163	12.54	11.88	10.93	12.64	12.45
172.1107	12.54	11.87	10.91	12.63	12.52
172.2051	12.50	11.89	10.91	12.58	12.51
172.2995	12.45	11.92	10.92	12.57	12.41
172.3939	12.42	11.91	10.91	12.62	12.31
172.4883	12.45	11.87	10.87	12.69	12.33
172.5827	12.53	11.85	10.89	12.64	12.48
172.6771	12.50	11.87	10.93	12.60	12.53
172.7715	12.45	11.89	10.94	12.57	12.44
172.8659	12.40	11.86	10.92	12.60	12.29
172.9604	12.41	11.81	10.88	12.68	12.25
173.0548	12.47	11.81	10.91	12.66	12.39
173.1492	12.49	11.81	10.95	12.61	12.52
173.2436	12.45	11.86	10.96	12.56	12.47
173.3380	12.39	11.82	10.90	12.60	12.29
173.4324	12.37	11.78	10.90	12.63	12.18
173.5268	12.43	11.80	10.89	12.69	12.29
173.6212	12.50	11.86	10.91	12.65	12.53
173.7156	12.52	11.87	10.95	12.60	12.58
173.8101	12.46	11.87	10.92	12.60	12.42
173.9045	12.40	11.83	10.89	12.67	12.23
173.9989	12.44	11.89	10.87	12.68	12.27
174.0933	12.49	11.88	10.93	12.66	12.48
174.1877	12.55	11.90	10.97	12.63	12.63
174.2821	12.53	11.93	10.97	12.61	12.53
174.3765	12.45	11.90	10.90	12.63	12.31
174.4709	12.42	11.89	10.88	12.64	12.25
174.5653	12.46	11.89	10.95	12.64	12.41
174.6598	12.54	11.91	10.99	12.60	12.62
174.7542	12.57	11.96	10.96	12.63	12.62
174.8486	12.54	11.94	10.90	12.60	12.47
174.9430	12.46	11.91	10.92	12.61	12.35
175.0374	12.47	11.92	10.95	12.60	12.40
175.1318	12.53	11.94	10.99	12.61	12.62
175.2262	12.59	11.98	11.00	12.61	12.68
175.3206	12.57	11.97	10.94	12.64	12.53
175.4150	12.49	11.91	10.93	12.63	12.36
175.5094	12.45	11.89	10.95	12.60	12.31
175.6039	12.45	11.92	10.98	12.63	12.43
175.6983	12.51	11.93	11.01	12.67	12.55
175.7927	12.53	11.91	10.97	12.65	12.48
175.8871	12.50	11.87	10.92	12.66	12.34
175.9815	12.44	11.86	10.97	12.64	12.31
176.0759	12.43	11.85	11.00	12.61	12.40
176.1703	12.47	11.91	11.00	12.67	12.50
176.2647	12.52	11.86	10.98	12.69	12.52
176.3591	12.52	11.82	10.93	12.67	12.45
176.4536	12.47	11.82	10.95	12.64	12.38
176.5480	12.43	11.83	10.95	12.60	12.37
176.6424	12.43	11.86	10.99	12.61	12.41
176.7368	12.46	11.84	10.96	12.68	12.42
176.8312	12.50	11.80	10.91	12.69	12.39
176.9256	12.47	11.81	10.91	12.64	12.36
177.0200	12.42	11.85	10.94	12.58	12.33

177.1144	12.39	11.87	10.95	12.59	12.34
177.2088	12.43	11.85	10.93	12.65	12.38
177.3032	12.51	11.82	10.87	12.70	12.41
177.3977	12.52	11.84	10.86	12.66	12.46
177.4921	12.48	11.84	10.90	12.57	12.48
177.5865	12.43	11.88	10.89	12.52	12.43
177.6809	12.44	11.87	10.89	12.62	12.41
177.7753	12.50	11.82	10.86	12.66	12.44
177.8697	12.55	11.84	10.85	12.64	12.50
177.9641	12.52	11.85	10.87	12.57	12.54
178.0585	12.47	11.87	10.91	12.52	12.48
178.1529	12.43	11.89	10.93	12.55	12.37
178.2474	12.45	11.85	10.88	12.65	12.35
178.3418	12.52	11.87	10.90	12.64	12.45
178.4362	12.55	11.87	10.93	12.60	12.56
178.5306	12.52	11.91	10.99	12.55	12.55
178.6250	12.46	11.94	10.98	12.58	12.42
178.7194	12.43	11.91	10.91	12.62	12.30
178.8138	12.47	11.87	10.89	12.67	12.36
178.9082	12.53	11.86	10.95	12.64	12.51
179.0026	12.51	11.88	10.98	12.59	12.57
179.0971	12.47	11.93	10.96	12.59	12.44
179.1915	12.40	11.87	10.92	12.62	12.26
179.2859	12.41	11.83	10.91	12.64	12.24
179.3803	12.47	11.85	10.97	12.66	12.41
179.4747	12.51	11.88	11.00	12.63	12.58
179.5691	12.51	11.93	11.01	12.60	12.53
179.6635	12.44	11.88	10.97	12.62	12.33
179.7579	12.42	11.87	10.97	12.68	12.25
179.8523	12.48	11.91	10.96	12.69	12.42
179.9467	12.53	11.91	10.99	12.68	12.59
180.0412	12.56	11.95	10.99	12.65	12.62
180.1356	12.50	11.93	10.97	12.62	12.40
180.2300	12.43	11.91	10.90	12.68	12.25
180.3244	12.44	11.88	10.88	12.69	12.31
180.4188	12.49	11.87	10.96	12.68	12.49
180.5132	12.53	11.91	10.98	12.63	12.60
180.6076	12.52	11.92	10.95	12.62	12.49
180.7020	12.46	11.86	10.87	12.62	12.31
180.7964	12.43	11.85	10.90	12.65	12.31
180.8909	12.48	11.86	10.97	12.64	12.47
180.9853	12.54	11.91	11.00	12.62	12.61
181.0797	12.54	11.91	10.94	12.60	12.60
181.1741	12.51	11.86	10.86	12.62	12.40
181.2685	12.45	11.85	10.87	12.61	12.34
181.3629	12.46	11.87	10.89	12.61	12.41
181.4573	12.49	11.91	10.94	12.66	12.51
181.5517	12.53	11.92	10.89	12.63	12.54
181.6461	12.50	11.86	10.82	12.64	12.40
181.7406	12.47	11.85	10.83	12.60	12.31
181.8350	12.41	11.85	10.90	12.58	12.33
181.9294	12.44	11.90	10.96	12.59	12.41
182.0238	12.49	11.91	10.93	12.68	12.47
182.1182	12.49	11.85	10.86	12.63	12.43
182.2126	12.46	11.82	10.88	12.58	12.34
182.3070	12.42	11.82	10.92	12.54	12.36
182.4014	12.40	11.86	10.96	12.57	12.40
182.4958	12.43	11.87	10.94	12.65	12.41
182.5902	12.45	11.79	10.85	12.66	12.39
182.6847	12.46	11.79	10.86	12.61	12.36
182.7791	12.43	11.82	10.91	12.56	12.36

182.8735	12.40	11.86	10.94	12.57	12.35
182.9679	12.41	11.87	10.91	12.63	12.37
183.0623	12.44	11.81	10.89	12.68	12.35
183.1567	12.50	11.84	10.88	12.67	12.40
183.2511	12.49	11.90	10.96	12.62	12.44
183.3455	12.46	11.90	11.00	12.56	12.44
183.4399	12.46	11.94	10.96	12.61	12.42
183.5344	12.48	11.89	10.93	12.70	12.39
183.6288	12.51	11.90	10.91	12.69	12.44
183.7232	12.53	11.90	10.95	12.66	12.50
183.8176	12.50	11.90	10.96	12.58	12.54
183.9120	12.47	11.94	10.92	12.57	12.46
184.0064	12.45	11.91	10.89	12.64	12.37
184.1008	12.49	11.89	10.89	12.68	12.39
184.1952	12.53	11.90	10.94	12.66	12.52
184.2896	12.53	11.91	10.96	12.59	12.58
184.3841	12.51	11.94	10.95	12.55	12.53
184.4785	12.46	11.95	10.97	12.59	12.38
184.5729	12.48	11.92	10.94	12.71	12.35
184.6673	12.53	11.92	10.95	12.70	12.48
184.7617	12.54	11.92	10.98	12.62	12.58
184.8561	12.52	11.94	10.98	12.57	12.53
184.9505	12.46	11.97	10.95	12.62	12.38
185.0449	12.46	11.92	10.90	12.68	12.27
185.1393	12.47	11.87	10.92	12.72	12.34
185.2337	12.50	11.87	10.94	12.64	12.51
185.3282	12.50	11.89	10.95	12.59	12.55
185.4226	12.47	11.92	10.92	12.57	12.41
185.5170	12.43	11.83	10.89	12.64	12.26
185.6114	12.44	11.81	10.94	12.67	12.29
185.7058	12.48	11.83	10.95	12.64	12.47
185.8002	12.50	11.85	10.96	12.60	12.58
185.8946	12.47	11.86	10.95	12.55	12.47
185.9890	12.42	11.79	10.93	12.60	12.27
186.0834	12.42	11.79	10.91	12.67	12.22
186.1779	12.44	11.83	10.92	12.66	12.37
186.2723	12.45	11.84	10.92	12.62	12.52
186.3667	12.46	11.84	10.91	12.58	12.46
186.4611	12.43	11.79	10.86	12.59	12.30
186.5555	12.41	11.80	10.85	12.61	12.23
186.6499	12.42	11.85	10.89	12.65	12.33
186.7443	12.46	11.84	10.91	12.61	12.51
186.8387	12.51	11.86	10.94	12.57	12.58
186.9331	12.49	11.82	10.88	12.59	12.45
187.0275	12.46	11.81	10.87	12.57	12.34
187.1220	12.44	11.83	10.91	12.59	12.37
187.2164	12.47	11.86	10.93	12.59	12.50
187.3108	12.50	11.87	10.92	12.60	12.58
187.4052	12.50	11.82	10.88	12.60	12.49
187.4996	12.47	11.83	10.85	12.60	12.35
187.5940	12.46	11.88	10.88	12.60	12.33
187.6884	12.45	11.89	10.92	12.60	12.43
187.7828	12.48	11.90	10.93	12.63	12.50
187.8772	12.50	11.88	10.91	12.67	12.49
187.9717	12.51	11.91	10.90	12.62	12.41
188.0661	12.49	11.89	10.96	12.60	12.38
188.1605	12.46	11.90	10.98	12.59	12.42
188.2549	12.48	11.92	11.01	12.63	12.46
188.3493	12.49	11.95	10.99	12.70	12.47
188.4437	12.51	11.88	10.96	12.66	12.40
188.5381	12.47	11.84	10.99	12.59	12.39

188.6325	12.46	11.86	10.98	12.56	12.41
188.7269	12.45	11.92	10.98	12.64	12.42
188.8214	12.48	11.91	10.95	12.67	12.42
188.9158	12.47	11.86	10.92	12.68	12.39
189.0102	12.49	11.85	10.95	12.62	12.42
189.1046	12.49	11.88	10.97	12.57	12.46
189.1990	12.47	11.91	10.98	12.60	12.45
189.2934	12.47	11.93	10.96	12.67	12.40
189.3878	12.47	11.87	10.93	12.70	12.39
189.4822	12.51	11.86	10.95	12.68	12.43
189.5766	12.49	11.88	10.97	12.60	12.48
189.6710	12.46	11.90	10.96	12.57	12.45
189.7655	12.46	11.91	10.95	12.60	12.39
189.8599	12.46	11.84	10.89	12.69	12.35
189.9543	12.49	11.84	10.92	12.68	12.41
190.0487	12.49	11.83	10.92	12.59	12.52
190.1431	12.46	11.86	10.91	12.53	12.50
190.2375	12.46	11.87	10.90	12.53	12.43
190.3319	12.45	11.82	10.88	12.63	12.35
190.4263	12.47	11.81	10.88	12.68	12.40
190.5207	12.50	11.83	10.88	12.62	12.51
190.6152	12.49	11.84	10.92	12.55	12.56
190.7096	12.45	11.87	10.91	12.55	12.41
190.8040	12.42	11.82	10.88	12.63	12.27
190.8984	12.44	11.81	10.86	12.68	12.28
190.9928	12.46	11.84	10.90	12.68	12.40
191.0872	12.46	11.85	10.89	12.58	12.49
191.1816	12.45	11.87	10.90	12.57	12.42
191.2760	12.42	11.84	10.84	12.61	12.28
191.3704	12.42	11.83	10.84	12.65	12.26
191.4649	12.45	11.84	10.90	12.63	12.38
191.5593	12.48	11.86	10.90	12.58	12.52
191.6537	12.49	11.90	10.92	12.60	12.53
191.7481	12.48	11.87	10.89	12.60	12.38
191.8425	12.43	11.83	10.92	12.62	12.26
191.9369	12.45	11.83	10.92	12.60	12.35
192.0313	12.45	11.86	10.94	12.59	12.49
192.1257	12.47	11.89	10.96	12.60	12.53
192.2201	12.45	11.88	10.94	12.61	12.38
192.3145	12.43	11.83	10.90	12.59	12.24
192.4090	12.43	11.87	10.91	12.62	12.29
192.5034	12.46	11.90	10.94	12.61	12.46
192.5978	12.48	11.92	10.97	12.62	12.55
192.6922	12.49	11.91	10.95	12.61	12.47
192.7866	12.47	11.90	10.86	12.63	12.34
192.8810	12.49	11.90	10.90	12.61	12.35
192.9754	12.48	11.89	10.94	12.62	12.47
193.0698	12.51	11.93	10.99	12.64	12.58
193.1642	12.52	11.95	10.96	12.62	12.57
193.2587	12.49	11.87	10.92	12.63	12.40
193.3531	12.48	11.88	10.91	12.62	12.34
193.4475	12.47	11.89	10.96	12.63	12.41
193.5419	12.49	11.92	11.00	12.62	12.52
193.6363	12.50	11.92	10.96	12.63	12.53
193.7307	12.49	11.88	10.92	12.64	12.43
193.8251	12.47	11.88	10.88	12.65	12.35
193.9195	12.47	11.88	10.93	12.62	12.39
194.0139	12.47	11.91	10.99	12.62	12.47
194.1084	12.49	11.92	10.98	12.65	12.48
194.2028	12.47	11.88	10.90	12.70	12.41
194.2972	12.47	11.87	10.85	12.67	12.34

194.3916	12.44	11.84	10.92	12.62	12.35
194.4860	12.44	11.85	10.97	12.60	12.38
194.5804	12.45	11.91	10.96	12.63	12.40
194.6748	12.45	11.84	10.88	12.66	12.36
194.7692	12.46	11.81	10.84	12.66	12.36
194.8636	12.45	11.81	10.90	12.59	12.37
194.9580	12.45	11.83	10.94	12.54	12.42
195.0525	12.46	11.91	10.94	12.59	12.41
195.1469	12.47	11.86	10.87	12.65	12.40
195.2413	12.47	11.79	10.83	12.64	12.42
195.3357	12.48	11.83	10.86	12.58	12.43
195.4301	12.45	11.85	10.92	12.56	12.45
195.5245	12.44	11.88	10.94	12.57	12.40
195.6189	12.43	11.85	10.87	12.65	12.32
195.7133	12.43	11.79	10.83	12.63	12.33
195.8077	12.45	11.82	10.88	12.59	12.41
195.9022	12.44	11.84	10.93	12.55	12.43
195.9966	12.43	11.86	10.95	12.55	12.41
196.0910	12.43	11.83	10.89	12.57	12.34
196.1854	12.44	11.79	10.86	12.61	12.35
196.2798	12.47	11.85	10.88	12.59	12.46
196.3742	12.47	11.85	10.92	12.56	12.54
196.4686	12.48	11.88	10.94	12.54	12.52
196.5630	12.47	11.86	10.91	12.60	12.40
196.6574	12.45	11.82	10.88	12.63	12.35
196.7518	12.49	11.86	10.86	12.63	12.43
196.8463	12.48	11.88	10.91	12.62	12.53
196.9407	12.48	11.89	10.95	12.60	12.50
197.0351	12.45	11.87	10.93	12.61	12.37
197.1295	12.44	11.87	10.89	12.65	12.26
197.2239	12.47	11.89	10.91	12.67	12.36
197.3183	12.49	11.89	10.99	12.64	12.50
197.4127	12.49	11.90	11.00	12.63	12.53
197.5071	12.47	11.91	10.96	12.62	12.43
197.6015	12.46	11.89	10.91	12.63	12.30
197.6960	12.46	11.88	10.94	12.68	12.33
197.7904	12.49	11.86	10.98	12.64	12.48
197.8848	12.50	11.88	10.95	12.62	12.57
197.9792	12.48	11.93	10.95	12.63	12.48
198.0736	12.44	11.88	10.92	12.63	12.32
198.1680	12.45	11.87	10.94	12.64	12.27
198.2624	12.47	11.86	10.96	12.64	12.41
198.3568	12.49	11.90	10.96	12.60	12.55
198.4512	12.51	11.94	10.98	12.60	12.52
198.5457	12.46	11.90	10.93	12.62	12.37
198.6401	12.47	11.87	10.92	12.63	12.27
198.7345	12.48	11.86	10.94	12.63	12.40
198.8289	12.51	11.89	10.95	12.59	12.55
198.9233	12.51	11.93	10.94	12.62	12.58
199.0177	12.49	11.87	10.89	12.62	12.42
199.1121	12.44	11.82	10.85	12.63	12.29
199.2065	12.45	11.83	10.89	12.61	12.35
199.3009	12.46	11.83	10.91	12.57	12.48
199.3953	12.49	11.87	10.90	12.53	12.56
199.4898	12.46	11.81	10.86	12.59	12.45
199.5842	12.44	11.75	10.86	12.59	12.32
199.6786	12.41	11.81	10.90	12.58	12.31
199.7730	12.44	11.82	10.93	12.55	12.43
199.8674	12.46	11.84	10.94	12.52	12.51
199.9618	12.47	11.81	10.90	12.59	12.47
200.0562	12.44	11.78	10.87	12.64	12.34

200.1506	12.42	11.82	10.87	12.63	12.30
200.2450	12.41	11.84	10.91	12.59	12.35
200.3395	12.44	11.86	10.90	12.62	12.41
200.4339	12.45	11.81	10.85	12.61	12.41
200.5283	12.44	11.78	10.82	12.67	12.34
200.6227	12.42	11.84	10.86	12.64	12.32
200.7171	12.40	11.83	10.93	12.60	12.33
200.8115	12.44	11.83	10.93	12.58	12.40
200.9059	12.47	11.84	10.90	12.62	12.42
201.0003	12.48	11.82	10.87	12.63	12.41
201.0947	12.46	11.84	10.93	12.63	12.40
201.1892	12.44	11.86	10.95	12.58	12.43
201.2836	12.45	11.87	10.96	12.60	12.42
201.3780	12.47	11.91	10.94	12.64	12.41
201.4724	12.50	11.88	10.88	12.65	12.41
201.5668	12.50	11.88	10.92	12.64	12.44
201.6612	12.47	11.90	10.92	12.59	12.45
201.7556	12.45	11.92	10.95	12.60	12.43
201.8500	12.47	11.94	10.93	12.62	12.40
201.9444	12.49	11.91	10.89	12.62	12.40
202.0388	12.51	11.90	10.93	12.62	12.44
202.1333	12.50	11.90	10.95	12.59	12.52
202.2277	12.48	11.91	10.98	12.56	12.52
202.3221	12.47	11.96	10.95	12.60	12.43
202.4165	12.48	11.91	10.93	12.61	12.37
202.5109	12.51	11.87	10.93	12.62	12.42
202.6053	12.52	11.89	10.94	12.62	12.55
202.6997	12.49	11.89	10.93	12.60	12.56
202.7941	12.44	11.91	10.93	12.60	12.43
202.8885	12.43	11.89	10.90	12.62	12.29
202.9830	12.47	11.85	10.87	12.65	12.33
203.0774	12.50	11.86	10.91	12.65	12.47
203.1718	12.47	11.88	10.92	12.61	12.53
203.2662	12.44	11.88	10.94	12.59	12.43
203.3606	12.40	11.85	10.92	12.62	12.26
203.4550	12.43	11.83	10.88	12.65	12.23
203.5494	12.46	11.83	10.94	12.63	12.38
203.6438	12.47	11.83	10.97	12.62	12.50
203.7382	12.43	11.86	10.93	12.60	12.46
203.8326	12.40	11.81	10.89	12.65	12.28
203.9271	12.39	11.79	10.86	12.66	12.18
204.0215	12.42	11.79	10.91	12.63	12.30
204.1159	12.45	11.81	10.89	12.58	12.47
204.2103	12.45	11.85	10.86	12.57	12.51
204.3047	12.42	11.81	10.85	12.61	12.37
204.3991	12.40	11.77	10.83	12.65	12.22
204.4935	12.44	11.82	10.87	12.61	12.29
204.5879	12.47	11.85	10.86	12.54	12.46
204.6823	12.49	11.88	10.89	12.54	12.56
204.7768	12.46	11.88	10.89	12.60	12.47
204.8712	12.42	11.84	10.88	12.65	12.29
204.9656	12.44	11.85	10.86	12.60	12.28
205.0600	12.46	11.88	10.89	12.54	12.40
205.1544	12.48	11.89	10.92	12.52	12.54
205.2488	12.49	11.91	10.87	12.59	12.52
205.3432	12.44	11.84	10.86	12.61	12.37
205.4376	12.41	11.84	10.87	12.61	12.27
205.5320	12.45	11.85	10.92	12.53	12.38
205.6265	12.49	11.88	10.93	12.51	12.54
205.7209	12.51	11.89	10.93	12.54	12.58
205.8153	12.46	11.82	10.92	12.61	12.44

205.9097	12.43	11.84	10.94	12.63	12.31
206.0041	12.43	11.87	10.95	12.59	12.36
206.0985	12.46	11.88	10.97	12.57	12.46
206.1929	12.50	11.90	10.98	12.61	12.51
206.2873	12.49	11.85	10.95	12.65	12.43
206.3817	12.45	11.87	10.92	12.69	12.34
206.4761	12.43	11.89	10.93	12.67	12.31
206.5706	12.42	11.88	10.97	12.63	12.38
206.6650	12.48	11.91	10.96	12.59	12.45
206.7594	12.50	11.88	10.95	12.63	12.45
206.8538	12.48	11.87	10.89	12.68	12.43
206.9482	12.44	11.85	10.93	12.67	12.36
207.0426	12.43	11.84	10.97	12.64	12.39
207.1370	12.46	11.90	11.01	12.59	12.41
207.2314	12.47	11.86	10.97	12.62	12.43
207.3258	12.50	11.83	10.89	12.64	12.43
207.4203	12.47	11.83	10.93	12.67	12.45
207.5147	12.44	11.84	10.95	12.63	12.40
207.6091	12.42	11.88	10.98	12.63	12.37
207.7035	12.45	11.86	10.91	12.58	12.35
207.7979	12.48	11.85	10.84	12.62	12.40
207.8923	12.49	11.86	10.86	12.62	12.48
207.9867	12.47	11.84	10.91	12.60	12.47
208.0811	12.44	11.90	10.94	12.58	12.42
208.1755	12.47	11.92	10.88	12.60	12.36
208.2700	12.49	11.86	10.84	12.59	12.38
208.3644	12.50	11.83	10.86	12.57	12.49
208.4588	12.49	11.83	10.91	12.56	12.53
208.5532	12.46	11.86	10.92	12.58	12.46
208.6476	12.44	11.87	10.88	12.61	12.34
208.7420	12.44	11.78	10.83	12.58	12.30
208.8364	12.45	11.79	10.85	12.55	12.41
208.9308	12.48	11.80	10.89	12.52	12.55
209.0252	12.45	11.84	10.90	12.56	12.51
209.1196	12.41	11.82	10.88	12.60	12.34
209.2141	12.40	11.77	10.84	12.60	12.21
209.3085	12.43	11.79	10.84	12.57	12.33
209.4029	12.47	11.84	10.89	12.55	12.50
209.4973	12.45	11.83	10.93	12.57	12.52
209.5917	12.41	11.84	10.92	12.63	12.36
209.6861	12.38	11.78	10.87	12.67	12.18
209.7805	12.41	11.83	10.87	12.60	12.22
209.8749	12.43	11.84	10.93	12.58	12.40
209.9693	12.46	11.85	10.94	12.58	12.53
210.0638	12.45	11.84	10.92	12.63	12.45
210.1582	12.41	11.79	10.87	12.66	12.28
210.2526	12.41	11.83	10.86	12.62	12.22
210.3470	12.45	11.85	10.89	12.59	12.40
210.4414	12.51	11.86	10.92	12.56	12.59
210.5358	12.52	11.89	10.93	12.63	12.58
210.6302	12.46	11.85	10.91	12.67	12.37
210.7246	12.43	11.87	10.89	12.67	12.27
210.8190	12.46	11.90	10.92	12.63	12.35
210.9135	12.49	11.89	10.97	12.59	12.52
211.0079	12.53	11.94	10.99	12.60	12.59
211.1023	12.50	11.93	10.95	12.66	12.45
211.1967	12.46	11.89	10.89	12.68	12.32
211.2911	12.44	11.91	10.94	12.63	12.31
211.3855	12.47	11.89	10.97	12.55	12.46
211.4799	12.53	11.94	10.96	12.53	12.61
211.5743	12.54	11.95	10.91	12.59	12.57

211.6687	12.50	11.88	10.87	12.63	12.41
211.7631	12.45	11.86	10.89	12.64	12.35
211.8576	12.45	11.87	10.93	12.55	12.42
211.9520	12.49	11.91	10.96	12.56	12.55
212.0464	12.53	11.94	10.90	12.56	12.54
212.1408	12.48	11.83	10.88	12.65	12.40
212.2352	12.45	11.83	10.89	12.66	12.32
212.3296	12.41	11.87	10.94	12.63	12.32
212.4240	12.42	11.87	10.96	12.56	12.39
212.5184	12.46	11.86	10.91	12.56	12.44
212.6128	12.47	11.81	10.86	12.62	12.38
212.7073	12.44	11.82	10.86	12.65	12.33
212.8017	12.39	11.83	10.92	12.64	12.32
212.8961	12.38	11.83	10.93	12.59	12.33
212.9905	12.42	11.82	10.90	12.56	12.37
213.0849	12.46	11.79	10.83	12.60	12.37
213.1793	12.46	11.77	10.86	12.63	12.39
213.2737	12.39	11.77	10.91	12.64	12.35
213.3681	12.37	11.81	10.93	12.61	12.30
213.4625	12.38	11.81	10.90	12.58	12.30
213.5569	12.42	11.73	10.85	12.58	12.32
213.6514	12.47	11.78	10.86	12.60	12.41
213.7458	12.45	11.83	10.88	12.61	12.44
213.8402	12.41	11.85	10.93	12.58	12.39
213.9346	12.39	11.85	10.89	12.60	12.30
214.0290	12.43	11.81	10.82	12.60	12.31
214.1234	12.49	11.86	10.82	12.59	12.43
214.2178	12.52	11.89	10.87	12.58	12.55
214.3122	12.47	11.89	10.89	12.59	12.49
214.4066	12.42	11.90	10.87	12.62	12.36
214.5011	12.43	11.88	10.83	12.63	12.30
214.5955	12.48	11.89	10.84	12.59	12.38
214.6899	12.52	11.89	10.91	12.56	12.54
214.7843	12.51	11.89	10.94	12.54	12.58
214.8787	12.45	11.93	10.94	12.60	12.45
214.9731	12.41	11.91	10.90	12.60	12.29
215.0675	12.42	11.86	10.91	12.56	12.30
215.1619	12.50	11.89	10.93	12.53	12.49
215.2563	12.53	11.88	10.95	12.54	12.63
215.3508	12.48	11.92	10.97	12.61	12.52
215.4452	12.41	11.92	10.93	12.66	12.29
215.5396	12.38	11.86	10.90	12.64	12.21
215.6340	12.47	11.88	10.93	12.60	12.36
215.7284	12.51	11.88	10.98	12.62	12.56
215.8228	12.50	11.91	10.96	12.64	12.53
215.9172	12.43	11.88	10.94	12.67	12.33
216.0116	12.38	11.85	10.90	12.69	12.17
216.1060	12.41	11.84	10.96	12.64	12.25
216.2004	12.49	11.85	10.97	12.58	12.50
216.2949	12.53	11.87	10.97	12.57	12.61
216.3893	12.48	11.87	10.94	12.61	12.47
216.4837	12.41	11.81	10.92	12.66	12.25
216.5781	12.39	11.83	10.93	12.65	12.24
216.6725	12.45	11.83	10.90	12.59	12.40
216.7669	12.51	11.86	10.92	12.57	12.60
216.8613	12.50	11.85	10.88	12.59	12.52
216.9557	12.41	11.80	10.87	12.66	12.30
217.0501	12.38	11.82	10.85	12.66	12.20
217.1446	12.40	11.83	10.88	12.60	12.31
217.2390	12.46	11.84	10.90	12.53	12.49
217.3334	12.51	11.85	10.90	12.54	12.54

217.4278	12.47	11.81	10.85	12.61	12.42
217.5222	12.42	11.82	10.86	12.65	12.28
217.6166	12.38	11.81	10.91	12.58	12.31
217.7110	12.44	11.83	10.89	12.49	12.44
217.8054	12.51	11.85	10.88	12.55	12.55
217.8998	12.53	11.81	10.81	12.60	12.50
217.9943	12.46	11.78	10.87	12.64	12.39
218.0887	12.40	11.82	10.88	12.60	12.31
218.1831	12.41	11.82	10.87	12.54	12.37
218.2775	12.48	11.85	10.88	12.55	12.48
218.3719	12.52	11.81	10.84	12.60	12.48
218.4663	12.48	11.79	10.89	12.62	12.40
218.5607	12.42	11.82	10.92	12.59	12.33
218.6551	12.36	11.84	10.92	12.55	12.32
218.7495	12.41	11.85	10.93	12.52	12.36
218.8439	12.46	11.82	10.92	12.59	12.39
218.9384	12.48	11.82	10.91	12.62	12.40
219.0328	12.44	11.83	10.95	12.64	12.37
219.1272	12.37	11.84	10.94	12.59	12.33
219.2216	12.37	11.87	10.92	12.60	12.32
219.3160	12.43	11.83	10.91	12.59	12.34
219.4104	12.48	11.82	10.91	12.61	12.42
219.5048	12.50	11.85	10.93	12.63	12.49
219.5992	12.44	11.87	10.93	12.63	12.45
219.6936	12.41	11.87	10.94	12.57	12.39
219.7881	12.41	11.86	10.94	12.58	12.32
219.8825	12.49	11.87	10.93	12.59	12.38
219.9769	12.54	11.88	10.92	12.62	12.53
220.0713	12.51	11.89	10.95	12.64	12.54
220.1657	12.44	11.92	10.95	12.63	12.44
220.2601	12.41	11.89	10.94	12.62	12.30
220.3545	12.46	11.88	10.89	12.62	12.32
220.4489	12.52	11.89	10.89	12.64	12.47
220.5433	12.53	11.87	10.94	12.62	12.59
220.6378	12.47	11.90	10.94	12.63	12.53
220.7322	12.43	11.90	10.93	12.63	12.34
220.8266	12.41	11.86	10.87	12.61	12.27
220.9210	12.49	11.86	10.89	12.57	12.41
221.0154	12.53	11.84	10.92	12.55	12.59
221.1098	12.51	11.86	10.95	12.56	12.61
221.2042	12.45	11.91	10.95	12.60	12.41
221.2986	12.39	11.84	10.88	12.63	12.22
221.3930	12.43	11.83	10.88	12.59	12.28
221.4874	12.49	11.84	10.89	12.55	12.48
221.5819	12.50	11.86	10.92	12.59	12.58
221.6763	12.46	11.91	10.92	12.63	12.44
221.7707	12.38	11.84	10.82	12.67	12.22
221.8651	12.38	11.82	10.80	12.62	12.17
221.9595	12.43	11.81	10.86	12.55	12.35
222.0539	12.48	11.84	10.91	12.54	12.54
222.1483	12.47	11.87	10.90	12.59	12.50
222.2427	12.40	11.79	10.84	12.63	12.27
222.3371	12.34	11.76	10.85	12.60	12.15
222.4316	12.38	11.78	10.89	12.54	12.26
222.5260	12.43	11.79	10.92	12.54	12.47
222.6204	12.49	11.83	10.90	12.57	12.54
222.7148	12.44	11.76	10.87	12.62	12.39
222.8092	12.37	11.74	10.87	12.64	12.22
222.9036	12.36	11.82	10.89	12.58	12.22
222.9980	12.42	11.83	10.89	12.56	12.40
223.0924	12.49	11.85	10.90	12.57	12.54

223.1868	12.51	11.80	10.89	12.61	12.49
223.2812	12.44	11.82	10.84	12.65	12.34
223.3757	12.40	11.87	10.86	12.61	12.27
223.4701	12.39	11.86	10.89	12.53	12.35
223.5645	12.47	11.89	10.91	12.56	12.50
223.6589	12.53	11.86	10.90	12.62	12.52
223.7533	12.50	11.87	10.87	12.64	12.45
223.8477	12.45	11.88	10.89	12.64	12.36
223.9421	12.41	11.87	10.92	12.58	12.34
224.0365	12.44	11.91	10.92	12.56	12.44
224.1309	12.49	11.89	10.90	12.62	12.49
224.2254	12.53	11.86	10.87	12.64	12.51
224.3198	12.49	11.90	10.90	12.66	12.44
224.4142	12.45	11.88	10.90	12.59	12.40
224.5086	12.42	11.90	10.93	12.56	12.37
224.6030	12.46	11.93	10.95	12.59	12.43
224.6974	12.50	11.89	10.91	12.63	12.44
224.7918	12.52	11.89	10.92	12.65	12.45
224.8862	12.46	11.87	10.94	12.62	12.40
224.9806	12.40	11.90	10.99	12.60	12.32
225.0751	12.41	11.94	10.98	12.62	12.31
225.1695	12.45	11.88	10.92	12.63	12.35
225.2639	12.49	11.84	10.89	12.63	12.43
225.3583	12.48	11.84	10.94	12.65	12.45
225.4527	12.42	11.85	10.97	12.61	12.39
225.5471	12.39	11.90	10.93	12.58	12.32
225.6415	12.41	11.82	10.87	12.59	12.29
225.7359	12.47	11.80	10.84	12.61	12.41
225.8303	12.51	11.82	10.89	12.59	12.54
225.9247	12.45	11.84	10.92	12.61	12.48
226.0192	12.40	11.86	10.92	12.55	12.32
226.1136	12.37	11.79	10.86	12.59	12.24
226.2080	12.44	11.80	10.82	12.60	12.30
226.3024	12.49	11.84	10.89	12.61	12.49
226.3968	12.47	11.84	10.94	12.57	12.53
226.4912	12.41	11.87	10.92	12.59	12.37
226.5856	12.37	11.80	10.83	12.57	12.21
226.6800	12.38	11.80	10.79	12.58	12.25
226.7744	12.46	11.83	10.85	12.57	12.45
226.8689	12.49	11.81	10.90	12.54	12.58
226.9633	12.47	11.83	10.89	12.54	12.51
227.0577	12.39	11.80	10.81	12.58	12.27
227.1521	12.34	11.76	10.79	12.59	12.20
227.2465	12.42	11.82	10.85	12.55	12.36
227.3409	12.50	11.82	10.91	12.55	12.57
227.4353	12.51	11.83	10.91	12.58	12.56
227.5297	12.43	11.81	10.88	12.64	12.35
227.6241	12.37	11.80	10.83	12.62	12.18
227.7186	12.38	11.85	10.89	12.61	12.25
227.8130	12.46	11.86	10.93	12.55	12.48
227.9074	12.53	11.86	10.96	12.59	12.58
228.0018	12.50	11.88	10.91	12.65	12.45
228.0962	12.41	11.86	10.87	12.64	12.24
228.1906	12.36	11.85	10.90	12.59	12.22
228.2850	12.41	11.85	10.93	12.56	12.37
228.3794	12.49	11.87	10.97	12.57	12.54
228.4738	12.53	11.91	10.93	12.62	12.52
228.5682	12.44	11.84	10.92	12.64	12.32
228.6627	12.37	11.82	10.93	12.59	12.21
228.7571	12.38	11.85	10.97	12.57	12.32
228.8515	12.46	11.88	10.99	12.59	12.49

228.9459	12.52	11.89	10.96	12.58	12.57
229.0403	12.49	11.83	10.93	12.60	12.44
229.1347	12.44	11.86	10.92	12.60	12.33
229.2291	12.41	11.89	10.92	12.58	12.34
229.3235	12.44	11.89	10.94	12.58	12.45
229.4179	12.51	11.90	10.95	12.58	12.55
229.5124	12.54	11.88	10.90	12.61	12.49
229.6068	12.49	11.87	10.89	12.64	12.41
229.7012	12.43	11.87	10.90	12.61	12.34
229.7956	12.40	11.87	10.94	12.61	12.35
229.8900	12.47	11.89	10.95	12.59	12.46
229.9844	12.52	11.83	10.90	12.62	12.50
230.0788	12.52	11.82	10.88	12.62	12.45
230.1732	12.43	11.82	10.93	12.59	12.40
230.2676	12.39	11.82	10.94	12.57	12.37
230.3620	12.41	11.83	10.92	12.56	12.38
230.4565	12.46	11.78	10.87	12.58	12.44
230.5509	12.50	11.78	10.84	12.61	12.44
230.6453	12.47	11.80	10.89	12.61	12.43
230.7397	12.39	11.80	10.87	12.53	12.36
230.8341	12.35	11.82	10.87	12.58	12.28
230.9285	12.40	11.80	10.85	12.63	12.27
231.0229	12.46	11.78	10.84	12.66	12.36
231.1173	12.49	11.82	10.89	12.65	12.42
231.2117	12.43	11.82	10.90	12.57	12.40
231.3062	12.36	11.84	10.91	12.55	12.30
231.4006	12.38	11.83	10.85	12.62	12.24
231.4950	12.44	11.80	10.85	12.62	12.32
231.5894	12.50	11.79	10.87	12.59	12.46
231.6838	12.48	11.82	10.90	12.54	12.52
231.7782	12.41	11.84	10.86	12.52	12.41
231.8726	12.36	11.83	10.83	12.56	12.26
231.9670	12.39	11.77	10.84	12.60	12.25
232.0614	12.47	11.80	10.87	12.60	12.41
232.1559	12.51	11.84	10.91	12.56	12.55
232.2503	12.45	11.86	10.91	12.55	12.50
232.3447	12.38	11.83	10.88	12.56	12.29
232.4391	12.36	11.80	10.86	12.60	12.19
232.5335	12.45	11.87	10.93	12.61	12.35
232.6279	12.51	11.88	10.93	12.60	12.55
232.7223	12.51	11.88	10.95	12.55	12.59
232.8167	12.44	11.87	10.90	12.56	12.41
232.9111	12.39	11.86	10.87	12.60	12.23
233.0055	12.42	11.87	10.90	12.62	12.29
233.1000	12.49	11.87	10.91	12.59	12.51
233.1944	12.54	11.89	10.90	12.60	12.65
233.2888	12.50	11.90	10.88	12.58	12.52
233.3832	12.41	11.85	10.88	12.61	12.30
233.4776	12.39	11.86	10.90	12.65	12.22
233.5720	12.44	11.87	10.93	12.64	12.40
233.6664	12.52	11.90	10.93	12.61	12.59
233.7608	12.52	11.89	10.96	12.62	12.55
233.8552	12.43	11.86	10.93	12.61	12.34
233.9497	12.38	11.87	10.91	12.62	12.21
234.0441	12.40	11.87	10.92	12.64	12.28
234.1385	12.47	11.86	10.93	12.59	12.46
234.2329	12.49	11.89	10.95	12.63	12.53
234.3273	12.47	11.88	10.89	12.63	12.39
234.4217	12.40	11.85	10.86	12.63	12.24
234.5161	12.38	11.83	10.90	12.61	12.22
234.6105	12.41	11.83	10.91	12.61	12.37

234.7049	12.48	11.90	10.92	12.62	12.51
234.7994	12.50	11.88	10.89	12.62	12.49
234.8938	12.46	11.81	10.87	12.60	12.35
234.9882	12.38	11.80	10.89	12.56	12.28
235.0826	12.40	11.83	10.91	12.53	12.36
235.1770	12.46	11.88	10.91	12.57	12.48
235.2714	12.50	11.84	10.88	12.61	12.48
235.3658	12.48	11.80	10.85	12.57	12.41
235.4602	12.41	11.81	10.84	12.54	12.33
235.5546	12.37	11.83	10.86	12.53	12.31
235.6490	12.39	11.85	10.88	12.56	12.37
235.7435	12.45	11.83	10.83	12.62	12.41
235.8379	12.48	11.79	10.80	12.63	12.41
235.9323	12.46	11.82	10.84	12.56	12.40
236.0267	12.38	11.82	10.88	12.53	12.34
236.1211	12.37	11.84	10.89	12.53	12.34
236.2155	12.42	11.81	10.88	12.57	12.37
236.3099	12.46	11.78	10.86	12.61	12.43
236.4043	12.48	11.81	10.89	12.56	12.44
236.4987	12.41	11.81	10.91	12.51	12.41
236.5932	12.38	11.84	10.90	12.50	12.35
236.6876	12.37	11.81	10.88	12.61	12.30
236.7820	12.44	11.78	10.86	12.64	12.34
236.8764	12.48	11.83	10.88	12.64	12.44
236.9708	12.47	11.85	10.89	12.60	12.46
237.0652	12.42	11.86	10.90	12.59	12.38
237.1596	12.38	11.83	10.89	12.63	12.28
237.2540	12.41	11.84	10.87	12.68	12.25
237.3484	12.47	11.88	10.89	12.70	12.40
237.4429	12.51	11.87	10.93	12.59	12.52
237.5373	12.46	11.85	10.94	12.57	12.47
237.6317	12.42	11.90	10.94	12.57	12.33
237.7261	12.39	11.88	10.93	12.64	12.25
237.8205	12.44	11.86	10.92	12.66	12.32
237.9149	12.50	11.86	10.93	12.61	12.51
238.0093	12.50	11.86	10.95	12.53	12.56
238.1037	12.46	11.93	10.95	12.57	12.45
238.1981	12.40	11.89	10.89	12.60	12.27
238.2925	12.42	11.85	10.90	12.64	12.29
238.3870	12.50	11.87	10.90	12.63	12.48
238.4814	12.54	11.89	10.93	12.57	12.61
238.5758	12.51	11.91	10.97	12.53	12.56
238.6702	12.43	11.89	10.90	12.55	12.33
238.7646	12.40	11.86	10.88	12.62	12.23
238.8590	12.46	11.85	10.87	12.61	12.38
238.9534	12.50	11.86	10.92	12.59	12.57
239.0478	12.51	11.89	10.95	12.54	12.57
239.1422	12.43	11.85	10.89	12.55	12.39
239.2367	12.39	11.81	10.83	12.57	12.21
239.3311	12.39	11.82	10.84	12.63	12.28
239.4255	12.45	11.81	10.90	12.60	12.47
239.5199	12.49	11.84	10.93	12.57	12.61
239.6143	12.48	11.80	10.88	12.56	12.47
239.7087	12.40	11.75	10.82	12.55	12.27
239.8031	12.37	11.77	10.84	12.58	12.24
239.8975	12.39	11.78	10.88	12.59	12.36
239.9919	12.45	11.79	10.95	12.57	12.51
240.0863	12.46	11.78	10.90	12.58	12.45
240.1808	12.41	11.74	10.82	12.58	12.27
240.2752	12.35	11.77	10.84	12.59	12.18
240.3696	12.34	11.79	10.90	12.60	12.24

240.4640	12.40	11.82	10.94	12.62	12.38
240.5584	12.45	11.80	10.89	12.64	12.44
240.6528	12.46	11.77	10.80	12.62	12.37
240.7472	12.41	11.81	10.83	12.60	12.28
240.8416	12.37	11.81	10.90	12.56	12.30
240.9360	12.40	11.82	10.90	12.57	12.39
241.0305	12.47	11.84	10.88	12.61	12.50
241.1249	12.51	11.80	10.83	12.61	12.47
241.2193	12.47	11.81	10.87	12.55	12.41
241.3137	12.42	11.84	10.88	12.52	12.35
241.4081	12.41	11.84	10.91	12.54	12.38
241.5025	12.45	11.89	10.93	12.60	12.43
241.5969	12.49	11.84	10.87	12.62	12.44
241.6913	12.50	11.85	10.89	12.58	12.43
241.7857	12.47	11.89	10.89	12.53	12.42
241.8802	12.42	11.88	10.95	12.57	12.39
241.9746	12.44	11.92	10.94	12.60	12.39
242.0690	12.47	11.87	10.91	12.62	12.43
242.1634	12.50	11.87	10.90	12.58	12.47
242.2578	12.49	11.88	10.91	12.54	12.49
242.3522	12.44	11.86	10.95	12.53	12.44
242.4466	12.42	11.90	10.94	12.59	12.37
242.5410	12.42	11.86	10.92	12.62	12.34
242.6354	12.47	11.83	10.92	12.60	12.42
242.7298	12.49	11.85	10.93	12.57	12.49
242.8243	12.45	11.86	10.93	12.57	12.45
242.9187	12.42	11.88	10.97	12.59	12.37
243.0131	12.39	11.85	10.94	12.66	12.27
243.1075	12.44	11.83	10.90	12.67	12.34
243.2019	12.49	11.87	10.90	12.65	12.46
243.2963	12.48	11.85	10.91	12.59	12.50
243.3907	12.42	11.87	10.94	12.58	12.39
243.4851	12.38	11.84	10.92	12.61	12.23
243.5795	12.37	11.83	10.85	12.66	12.22
243.6740	12.44	11.82	10.87	12.65	12.36
243.7684	12.47	11.80	10.91	12.57	12.49
243.8628	12.43	11.82	10.92	12.54	12.44
243.9572	12.38	11.83	10.90	12.57	12.27
244.0516	12.36	11.77	10.82	12.63	12.17
244.1460	12.41	11.77	10.85	12.64	12.32
244.2404	12.47	11.82	10.89	12.59	12.51
244.3348	12.49	11.84	10.91	12.51	12.56
244.4292	12.44	11.84	10.85	12.52	12.41
244.5237	12.40	11.82	10.78	12.60	12.24
244.6181	12.40	11.82	10.82	12.62	12.28
244.7125	12.46	11.85	10.84	12.56	12.48
244.8069	12.49	11.87	10.89	12.54	12.57
244.9013	12.48	11.88	10.84	12.51	12.48
244.9957	12.40	11.82	10.79	12.57	12.27
245.0901	12.38	11.83	10.83	12.60	12.20
245.1845	12.41	11.85	10.89	12.59	12.35
245.2789	12.46	11.85	10.93	12.56	12.52
245.3733	12.49	11.86	10.86	12.54	12.52
245.4678	12.44	11.80	10.83	12.55	12.34
245.5622	12.39	11.82	10.87	12.57	12.23
245.6566	12.39	11.82	10.92	12.60	12.32
245.7510	12.43	11.83	10.91	12.57	12.48
245.8454	12.48	11.83	10.89	12.55	12.54
245.9398	12.45	11.80	10.85	12.55	12.40
246.0342	12.40	11.81	10.87	12.57	12.24
246.1286	12.39	11.84	10.93	12.59	12.26

246.2230	12.39	11.84	10.92	12.64	12.37
246.3175	12.45	11.86	10.92	12.63	12.45
246.4119	12.45	11.81	10.91	12.61	12.40
246.5063	12.43	11.86	10.88	12.60	12.30
246.6007	12.40	11.88	10.94	12.64	12.25
246.6951	12.41	11.86	10.95	12.64	12.36
246.7895	12.46	11.89	10.94	12.65	12.45
246.8839	12.49	11.86	10.91	12.65	12.48
246.9783	12.48	11.86	10.87	12.60	12.43
247.0727	12.44	11.86	10.92	12.60	12.36
247.1672	12.42	11.84	10.91	12.59	12.36
247.2616	12.43	11.87	10.91	12.61	12.42
247.3560	12.47	11.86	10.89	12.64	12.43
247.4504	12.47	11.84	10.87	12.63	12.43
247.5448	12.48	11.85	10.91	12.57	12.41
247.6392	12.44	11.87	10.91	12.55	12.40
247.7336	12.41	11.87	10.94	12.59	12.38
247.8280	12.46	11.89	10.94	12.61	12.40
247.9224	12.49	11.87	10.88	12.64	12.44
248.0168	12.51	11.86	10.89	12.59	12.47
248.1113	12.47	11.85	10.89	12.51	12.46
248.2057	12.43	11.87	10.91	12.53	12.41
248.3001	12.43	11.90	10.86	12.58	12.37
248.3945	12.45	11.83	10.83	12.63	12.37
248.4889	12.47	11.81	10.83	12.58	12.44
248.5833	12.47	11.80	10.86	12.52	12.46
248.6777	12.42	11.82	10.89	12.52	12.40
248.7721	12.39	11.84	10.86	12.57	12.31
248.8665	12.40	11.76	10.85	12.61	12.28
248.9610	12.44	11.76	10.86	12.62	12.37
249.0554	12.46	11.80	10.91	12.53	12.48
249.1498	12.43	11.81	10.89	12.52	12.45
249.2442	12.39	11.80	10.89	12.53	12.30
249.3386	12.36	11.75	10.88	12.61	12.21
249.4330	12.40	11.77	10.85	12.62	12.29
249.5274	12.43	11.80	10.88	12.58	12.42
249.6218	12.42	11.80	10.87	12.51	12.44
249.7162	12.38	11.80	10.88	12.57	12.34
249.8106	12.36	11.76	10.84	12.62	12.17
249.9051	12.37	11.78	10.84	12.65	12.22
249.9995	12.42	11.80	10.89	12.63	12.38
250.0939	12.45	11.81	10.90	12.55	12.49
250.1883	12.46	11.82	10.92	12.55	12.46
250.2827	12.41	11.79	10.89	12.59	12.30
250.3771	12.41	11.82	10.89	12.63	12.27
250.4715	12.44	11.84	10.92	12.63	12.40
250.5659	12.49	11.85	10.90	12.56	12.58
250.6603	12.50	11.87	10.88	12.53	12.57
250.7548	12.45	11.85	10.88	12.56	12.39
250.8492	12.42	11.86	10.86	12.62	12.27
250.9436	12.44	11.89	10.88	12.64	12.35
251.0380	12.49	11.89	10.89	12.60	12.51
251.1324	12.49	11.91	10.89	12.57	12.56
251.2268	12.50	11.91	10.90	12.57	12.45
251.3212	12.45	11.89	10.91	12.59	12.30
251.4156	12.43	11.90	10.93	12.61	12.31
251.5100	12.47	11.87	10.94	12.60	12.44
251.6045	12.50	11.89	10.96	12.57	12.59
251.6989	12.50	11.92	10.94	12.55	12.53
251.7933	12.45	11.85	10.93	12.55	12.35
251.8877	12.41	11.82	10.91	12.56	12.29

251.9821	12.42	11.84	10.92	12.59	12.38
252.0765	12.45	11.86	10.90	12.61	12.48
252.1709	12.46	11.87	10.90	12.57	12.48
252.2653	12.43	11.80	10.89	12.59	12.35
252.3597	12.42	11.82	10.85	12.61	12.26
252.4541	12.40	11.83	10.91	12.61	12.31
252.5486	12.41	11.85	10.93	12.63	12.39
252.6430	12.44	11.84	10.94	12.62	12.44
252.7374	12.44	11.80	10.91	12.62	12.36
252.8318	12.43	11.81	10.87	12.59	12.29
252.9262	12.39	11.80	10.91	12.58	12.29
253.0206	12.38	11.80	10.93	12.56	12.34
253.1150	12.41	11.83	10.90	12.60	12.40
253.2094	12.43	11.76	10.83	12.61	12.37
253.3038	12.43	11.75	10.81	12.58	12.34
253.3983	12.40	11.78	10.85	12.54	12.33
253.4927	12.39	11.80	10.88	12.54	12.36
253.5871	12.40	11.81	10.88	12.57	12.37
253.6815	12.43	11.75	10.83	12.61	12.39
253.7759	12.45	11.77	10.82	12.60	12.40
253.8703	12.45	11.83	10.84	12.55	12.42
253.9647	12.43	11.83	10.90	12.51	12.41
254.0591	12.41	11.84	10.89	12.57	12.37
254.1535	12.43	11.81	10.83	12.62	12.35
254.2480	12.46	11.84	10.81	12.60	12.40
254.3424	12.46	11.85	10.84	12.55	12.45
254.4368	12.44	11.85	10.88	12.52	12.42
254.5312	12.42	11.87	10.89	12.57	12.37
254.6256	12.43	11.86	10.80	12.62	12.32
254.7200	12.44	11.84	10.81	12.62	12.36
254.8144	12.46	11.83	10.87	12.57	12.45
254.9088	12.45	11.84	10.91	12.53	12.48
255.0032	12.44	11.87	10.92	12.56	12.41
255.0976	12.44	11.87	10.90	12.59	12.33
255.1921	12.41	11.82	10.92	12.61	12.30
255.2865	12.44	11.84	10.92	12.59	12.40
255.3809	12.45	11.84	10.95	12.55	12.47
255.4753	12.43	11.86	10.95	12.58	12.41
255.5697	12.40	11.86	10.94	12.60	12.27
255.6641	12.40	11.83	10.89	12.62	12.22
255.7585	12.42	11.86	10.90	12.63	12.34
255.8529	12.44	11.86	10.92	12.63	12.45
255.9473	12.46	11.89	10.93	12.59	12.46
256.0418	12.43	11.87	10.94	12.61	12.34
256.1362	12.42	11.86	10.89	12.63	12.26
256.2306	12.44	11.87	10.90	12.64	12.33
256.3250	12.46	11.85	10.90	12.60	12.50
256.4194	12.49	11.85	10.94	12.58	12.55
256.5138	12.46	11.88	10.94	12.56	12.45
256.6082	12.41	11.83	10.90	12.60	12.29
256.7026	12.42	11.82	10.86	12.59	12.28
256.7970	12.44	11.84	10.87	12.60	12.43
256.8914	12.46	11.86	10.91	12.56	12.52
256.9859	12.44	11.85	10.91	12.59	12.45
257.0803	12.43	11.82	10.85	12.59	12.30
257.1747	12.41	11.83	10.80	12.61	12.26
257.2691	12.43	11.86	10.85	12.60	12.38
257.3635	12.46	11.84	10.90	12.55	12.50
257.4579	12.46	11.86	10.91	12.56	12.51
257.5523	12.46	11.83	10.84	12.59	12.39
257.6467	12.43	11.83	10.83	12.61	12.28

257.7411	12.41	11.80	10.87	12.54	12.32
257.8356	12.42	11.81	10.92	12.54	12.45
257.9300	12.44	11.86	10.92	12.55	12.48
258.0244	12.43	11.79	10.81	12.58	12.39
258.1188	12.42	11.77	10.81	12.58	12.26
258.2132	12.40	11.79	10.84	12.57	12.27
258.3076	12.41	11.81	10.90	12.55	12.39
258.4020	12.43	11.84	10.90	12.56	12.46
258.4964	12.43	11.79	10.83	12.59	12.40
258.5908	12.41	11.76	10.82	12.60	12.31
258.6853	12.41	11.82	10.86	12.58	12.28
258.7797	12.40	11.82	10.92	12.58	12.34
258.8741	12.41	11.83	10.93	12.55	12.41
258.9685	12.41	11.80	10.87	12.59	12.38
259.0629	12.40	11.78	10.83	12.60	12.31
259.1573	12.40	11.82	10.90	12.56	12.27
259.2517	12.38	11.82	10.95	12.57	12.30
259.3461	12.42	11.83	10.94	12.57	12.38
259.4405	12.43	11.80	10.88	12.59	12.40
259.5349	12.44	11.79	10.84	12.59	12.39
259.6294	12.43	11.83	10.90	12.60	12.39
259.7238	12.44	11.85	10.92	12.56	12.42
259.8182	12.47	11.86	10.92	12.56	12.46
259.9126	12.47	11.84	10.89	12.58	12.45
260.0070	12.47	11.85	10.87	12.61	12.42
260.1014	12.47	11.86	10.89	12.61	12.45
260.1958	12.47	11.88	10.91	12.59	12.45
260.2902	12.45	11.86	10.93	12.57	12.41
260.3846	12.44	11.86	10.91	12.59	12.37
260.4791	12.45	11.87	10.88	12.61	12.38
260.5735	12.46	11.86	10.90	12.64	12.42
260.6679	12.47	11.86	10.92	12.59	12.46
260.7623	12.46	11.85	10.94	12.59	12.44
260.8567	12.45	11.89	10.93	12.57	12.38
260.9511	12.45	11.88	10.88	12.59	12.37
261.0455	12.46	11.85	10.91	12.63	12.42
261.1399	12.47	11.82	10.90	12.58	12.49
261.2343	12.46	11.83	10.90	12.56	12.47
261.3288	12.45	11.88	10.92	12.56	12.39
261.4232	12.40	11.83	10.88	12.57	12.27
261.5176	12.42	11.81	10.88	12.59	12.30
261.6120	12.43	11.80	10.88	12.58	12.40
261.7064	12.43	11.83	10.91	12.58	12.44
261.8008	12.42	11.86	10.92	12.58	12.36
261.8952	12.39	11.81	10.87	12.60	12.24
261.9896	12.41	11.81	10.86	12.59	12.26
262.0840	12.43	11.82	10.86	12.60	12.38
262.1784	12.43	11.81	10.89	12.58	12.49
262.2729	12.44	11.84	10.88	12.57	12.43
262.3673	12.41	11.79	10.85	12.59	12.30
262.4617	12.40	11.77	10.83	12.58	12.25
262.5561	12.41	11.78	10.87	12.56	12.36
262.6505	12.42	11.78	10.87	12.54	12.48
262.7449	12.43	11.81	10.86	12.54	12.47
262.8393	12.41	11.76	10.85	12.57	12.32
262.9337	12.39	11.73	10.84	12.57	12.23
263.0281	12.41	11.80	10.87	12.54	12.29
263.1226	12.42	11.82	10.87	12.55	12.46
263.2170	12.46	11.83	10.88	12.53	12.53
263.3114	12.43	11.79	10.86	12.60	12.41
263.4058	12.42	11.81	10.84	12.60	12.28

263.5002	12.42	11.86	10.86	12.58	12.30
263.5946	12.45	11.85	10.87	12.55	12.42
263.6890	12.45	11.85	10.85	12.57	12.53
263.7834	12.45	11.83	10.84	12.59	12.44
263.8778	12.42	11.83	10.82	12.62	12.32
263.9723	12.40	11.85	10.88	12.61	12.26
264.0667	12.43	11.85	10.90	12.54	12.36
264.1611	12.45	11.84	10.90	12.57	12.48
264.2555	12.48	11.87	10.90	12.59	12.49
264.3499	12.45	11.85	10.89	12.64	12.36
264.4443	12.43	11.86	10.94	12.62	12.30
264.5387	12.43	11.85	10.92	12.58	12.36
264.6331	12.45	11.87	10.94	12.56	12.44
264.7275	12.47	11.91	10.92	12.59	12.49
264.8219	12.45	11.87	10.90	12.63	12.38
264.9164	12.42	11.85	10.91	12.65	12.29
265.0108	12.41	11.85	10.92	12.60	12.29
265.1052	12.41	11.86	10.95	12.58	12.35
265.1996	12.44	11.91	10.92	12.57	12.41
265.2940	12.44	11.83	10.89	12.60	12.39
265.3884	12.45	11.83	10.90	12.64	12.34
265.4828	12.43	11.84	10.92	12.62	12.34
265.5772	12.43	11.84	10.94	12.56	12.39
265.6716	12.46	11.89	10.91	12.54	12.46
265.7661	12.46	11.84	10.89	12.57	12.45
265.8605	12.47	11.82	10.88	12.60	12.43
265.9549	12.45	11.84	10.89	12.61	12.42
266.0493	12.43	11.84	10.87	12.55	12.40
266.1437	12.42	11.86	10.88	12.54	12.40
266.2381	12.43	11.83	10.86	12.56	12.37
266.3325	12.44	11.81	10.81	12.59	12.38
266.4269	12.44	11.82	10.85	12.61	12.39
266.5213	12.40	11.82	10.87	12.56	12.38
266.6157	12.38	11.84	10.91	12.53	12.33
266.7102	12.40	11.80	10.87	12.56	12.30
266.8046	12.43	11.79	10.82	12.59	12.35
266.8990	12.45	11.80	10.87	12.59	12.42
266.9934	12.42	11.79	10.89	12.56	12.42
267.0878	12.39	11.81	10.89	12.55	12.37
267.1822	12.38	11.79	10.84	12.57	12.29
267.2766	12.41	11.76	10.81	12.59	12.29
267.3710	12.43	11.77	10.84	12.58	12.40
267.4654	12.43	11.80	10.85	12.58	12.44
267.5599	12.40	11.82	10.87	12.59	12.36
267.6543	12.38	11.81	10.87	12.60	12.26
267.7487	12.39	11.78	10.83	12.60	12.24
267.8431	12.45	11.82	10.86	12.59	12.34
267.9375	12.45	11.85	10.88	12.57	12.46
268.0319	12.43	11.84	10.93	12.60	12.45
268.1263	12.42	11.86	10.91	12.61	12.34
268.2207	12.39	11.84	10.87	12.61	12.23
268.3151	12.43	11.83	10.86	12.55	12.31
268.4096	12.46	11.84	10.89	12.53	12.47
268.5040	12.44	11.84	10.92	12.58	12.50
268.5984	12.42	11.88	10.85	12.61	12.40
268.6928	12.38	11.81	10.86	12.58	12.23
268.7872	12.40	11.84	10.86	12.53	12.27
268.8816	12.45	11.85	10.89	12.52	12.44
268.9760	12.48	11.86	10.93	12.56	12.55
269.0704	12.48	11.87	10.92	12.60	12.50
269.1648	12.42	11.85	10.93	12.61	12.32

269.2592	12.42	11.86	10.92	12.57	12.30
269.3537	12.47	11.88	10.93	12.53	12.42
269.4481	12.49	11.86	10.92	12.55	12.56
269.5425	12.51	11.90	10.93	12.59	12.54
269.6369	12.44	11.86	10.91	12.66	12.38
269.7313	12.41	11.85	10.86	12.63	12.27
269.8257	12.41	11.85	10.86	12.59	12.31
269.9201	12.46	11.85	10.89	12.54	12.46
270.0145	12.47	11.85	10.92	12.57	12.53
270.1089	12.45	11.83	10.89	12.61	12.42
270.2034	12.39	11.80	10.87	12.66	12.26
270.2978	12.39	11.80	10.90	12.61	12.28
270.3922	12.43	11.80	10.92	12.53	12.39
270.4866	12.47	11.82	10.96	12.52	12.51
270.5810	12.45	11.80	10.93	12.58	12.45
270.6754	12.40	11.78	10.88	12.65	12.32
270.7698	12.38	11.77	10.88	12.64	12.24
270.8642	12.39	11.80	10.87	12.54	12.31
270.9586	12.43	11.84	10.92	12.52	12.40
271.0531	12.44	11.83	10.87	12.57	12.41
271.1475	12.42	11.79	10.81	12.63	12.35
271.2419	12.40	11.80	10.79	12.65	12.28
271.3363	12.38	11.81	10.86	12.56	12.30
271.4307	12.41	11.84	10.92	12.54	12.38
271.5251	12.47	11.84	10.87	12.53	12.44
271.6195	12.46	11.78	10.84	12.59	12.40
271.7139	12.43	11.79	10.83	12.59	12.38
271.8083	12.40	11.80	10.90	12.57	12.35
271.9027	12.41	11.82	10.93	12.52	12.39
271.9972	12.44	11.81	10.87	12.53	12.41
272.0916	12.45	11.75	10.81	12.54	12.41
272.1860	12.44	11.78	10.82	12.56	12.41
272.2804	12.41	11.82	10.88	12.58	12.38
272.3748	12.38	11.82	10.89	12.56	12.35
272.4692	12.41	11.80	10.88	12.53	12.35
272.5636	12.45	11.79	10.83	12.55	12.37
272.6580	12.47	11.85	10.84	12.57	12.42
272.7524	12.45	11.84	10.92	12.60	12.46
272.8469	12.41	11.83	10.95	12.60	12.39
272.9413	12.41	11.85	10.92	12.57	12.33
273.0357	12.43	11.83	10.86	12.57	12.32
273.1301	12.46	11.84	10.86	12.57	12.39
273.2245	12.45	11.83	10.93	12.60	12.47
273.3189	12.43	11.83	10.93	12.62	12.45
273.4133	12.40	11.85	10.89	12.60	12.33
273.5077	12.39	11.81	10.84	12.58	12.28
273.6021	12.43	11.82	10.84	12.56	12.33
273.6966	12.46	11.84	10.89	12.61	12.46
273.7910	12.46	11.86	10.90	12.62	12.51
273.8854	12.42	11.85	10.92	12.64	12.39
273.9798	12.40	11.86	10.90	12.61	12.26
274.0742	12.42	11.87	10.89	12.60	12.28
274.1686	12.47	11.87	10.92	12.59	12.41
274.2630	12.47	11.84	10.94	12.60	12.51
274.3574	12.43	11.89	10.95	12.64	12.43
274.4518	12.40	11.88	10.91	12.62	12.27
274.5462	12.40	11.85	10.87	12.61	12.22
274.6407	12.44	11.84	10.88	12.55	12.35
274.7351	12.46	11.83	10.90	12.54	12.51
274.8295	12.47	11.88	10.90	12.57	12.54
274.9239	12.43	11.88	10.85	12.60	12.38

275.0183	12.40	11.82	10.85	12.58	12.26
275.1127	12.44	11.83	10.85	12.55	12.33
275.2071	12.48	11.83	10.88	12.50	12.52
275.3015	12.50	11.87	10.88	12.54	12.59
275.3959	12.46	11.85	10.88	12.59	12.44
275.4904	12.38	11.81	10.85	12.61	12.27
275.5848	12.40	11.82	10.82	12.56	12.24
275.6792	12.43	11.85	10.86	12.52	12.37
275.7736	12.45	11.83	10.87	12.52	12.50
275.8680	12.43	11.83	10.87	12.57	12.45
275.9624	12.39	11.79	10.80	12.62	12.27
276.0568	12.37	11.79	10.81	12.58	12.22
276.1512	12.36	11.81	10.86	12.54	12.29
276.2456	12.44	11.82	10.87	12.48	12.46
276.3400	12.45	11.79	10.87	12.57	12.50
276.4345	12.43	11.77	10.84	12.62	12.37
276.5289	12.38	11.77	10.86	12.62	12.25
276.6233	12.34	11.78	10.88	12.56	12.24
276.7177	12.39	11.81	10.91	12.52	12.37
276.8121	12.44	11.78	10.90	12.55	12.42
276.9065	12.43	11.75	10.85	12.63	12.37
277.0009	12.40	11.79	10.86	12.66	12.28
277.0953	12.36	11.82	10.88	12.63	12.24
277.1897	12.37	11.84	10.90	12.57	12.28
277.2842	12.41	11.82	10.89	12.55	12.40
277.3786	12.48	11.83	10.86	12.60	12.43
277.4730	12.47	11.86	10.86	12.68	12.39
277.5674	12.44	11.87	10.90	12.64	12.37
277.6618	12.41	11.85	10.92	12.57	12.35
277.7562	12.43	11.89	10.89	12.55	12.40
277.8506	12.47	11.87	10.87	12.56	12.44
277.9450	12.48	11.85	10.88	12.59	12.45
278.0394	12.46	11.85	10.92	12.60	12.42
278.1339	12.41	11.85	10.93	12.58	12.40
278.2283	12.42	11.89	10.91	12.54	12.37
278.3227	12.43	11.87	10.87	12.52	12.38
278.4171	12.47	11.86	10.88	12.54	12.42
278.5115	12.49	11.88	10.90	12.59	12.49
278.6059	12.46	11.85	10.91	12.58	12.47
278.7003	12.42	11.90	10.90	12.57	12.39
278.7947	12.42	11.88	10.88	12.54	12.34
278.8891	12.46	11.87	10.88	12.58	12.38
278.9835	12.50	11.87	10.88	12.60	12.48
279.0780	12.47	11.83	10.92	12.62	12.49
279.1724	12.41	11.85	10.91	12.58	12.39
279.2668	12.37	11.85	10.89	12.58	12.27
279.3612	12.40	11.81	10.86	12.56	12.27
279.4556	12.45	11.79	10.88	12.57	12.38
279.5500	12.46	11.79	10.92	12.61	12.48
279.6444	12.43	11.82	10.91	12.57	12.46
279.7388	12.37	11.80	10.88	12.57	12.29
279.8332	12.36	11.76	10.86	12.58	12.20
279.9277	12.41	11.77	10.89	12.59	12.33
280.0221	12.46	11.78	10.88	12.59	12.48
280.1165	12.46	11.81	10.89	12.58	12.49
280.2109	12.36	11.78	10.87	12.60	12.31
280.3053	12.32	11.75	10.84	12.60	12.14
280.3997	12.35	11.78	10.84	12.59	12.19
280.4941	12.42	11.80	10.85	12.55	12.39
280.5885	12.46	11.81	10.89	12.56	12.48
280.6829	12.43	11.81	10.86	12.59	12.42

280.7774	12.37	11.79	10.82	12.60	12.23
280.8718	12.36	11.79	10.84	12.57	12.22
280.9662	12.42	11.82	10.86	12.51	12.38
281.0606	12.50	11.81	10.86	12.52	12.58
281.1550	12.52	11.86	10.86	12.58	12.58
281.2494	12.45	11.81	10.81	12.61	12.39
281.3438	12.38	11.80	10.85	12.58	12.25
281.4382	12.41	11.83	10.85	12.51	12.33
281.5326	12.47	11.84	10.86	12.50	12.50
281.6270	12.51	11.85	10.89	12.57	12.57
281.7215	12.46	11.82	10.87	12.60	12.43
281.8159	12.39	11.82	10.87	12.59	12.24
281.9103	12.37	11.85	10.88	12.53	12.25
282.0047	12.40	11.82	10.92	12.51	12.40
282.0991	12.49	11.86	10.92	12.55	12.53
282.1935	12.49	11.83	10.92	12.61	12.49
282.2879	12.44	11.84	10.90	12.61	12.34
282.3823	12.38	11.84	10.91	12.60	12.26
282.4767	12.38	11.82	10.92	12.55	12.33
282.5712	12.46	11.84	10.91	12.55	12.46
282.6656	12.48	11.84	10.92	12.62	12.49
282.7600	12.47	11.81	10.90	12.62	12.40
282.8544	12.39	11.80	10.91	12.64	12.29
282.9488	12.36	11.83	10.89	12.58	12.28
283.0432	12.40	11.85	10.92	12.55	12.37
283.1376	12.46	11.83	10.95	12.57	12.44
283.2320	12.48	11.82	10.92	12.63	12.41
283.3264	12.44	11.84	10.90	12.65	12.37
283.4208	12.38	11.83	10.90	12.62	12.31
283.5153	12.38	11.85	10.92	12.55	12.32
283.6097	12.42	11.85	10.92	12.57	12.37
283.7041	12.47	11.84	10.87	12.61	12.43
283.7985	12.48	11.82	10.85	12.65	12.42
283.8929	12.41	11.80	10.88	12.61	12.37
283.9873	12.36	11.82	10.89	12.55	12.32
284.0817	12.39	11.85	10.90	12.52	12.33
284.1761	12.45	11.80	10.84	12.56	12.39
284.2705	12.50	11.79	10.86	12.58	12.46
284.3650	12.46	11.81	10.86	12.56	12.47
284.4594	12.40	11.83	10.90	12.53	12.40
284.5538	12.40	11.87	10.90	12.50	12.35
284.6482	12.43	11.81	10.84	12.55	12.34
284.7426	12.50	11.83	10.85	12.58	12.44
284.8370	12.51	11.84	10.83	12.57	12.53
284.9314	12.44	11.84	10.89	12.57	12.45
285.0258	12.37	11.87	10.86	12.56	12.31
285.1202	12.36	11.82	10.80	12.58	12.22
285.2147	12.42	11.80	10.79	12.56	12.31
285.3091	12.48	11.82	10.82	12.56	12.45
285.4035	12.43	11.81	10.88	12.57	12.48
285.4979	12.37	11.83	10.89	12.55	12.34
285.5923	12.32	11.78	10.84	12.57	12.19
285.6867	12.37	11.77	10.83	12.54	12.22
285.7811	12.45	11.79	10.89	12.54	12.42
285.8755	12.47	11.81	10.91	12.55	12.52
285.9699	12.43	11.81	10.93	12.59	12.44
286.0643	12.34	11.78	10.88	12.60	12.24
286.1588	12.33	11.77	10.82	12.59	12.16
286.2532	12.41	11.81	10.86	12.57	12.31
286.3476	12.48	11.85	10.89	12.58	12.49
286.4420	12.46	11.84	10.92	12.63	12.48

286.5364	12.39	11.80	10.87	12.64	12.29
286.6308	12.35	11.82	10.81	12.61	12.16
286.7252	12.38	11.86	10.87	12.62	12.23
286.8196	12.47	11.85	10.92	12.57	12.47
286.9140	12.50	11.84	10.94	12.59	12.58
287.0085	12.48	11.85	10.89	12.61	12.45
287.1029	12.40	11.86	10.84	12.60	12.30
287.1973	12.39	11.85	10.88	12.59	12.26
287.2917	12.45	11.85	10.90	12.56	12.42
287.3861	12.51	11.87	10.92	12.58	12.57
287.4805	12.51	11.89	10.88	12.58	12.56
287.5749	12.43	11.86	10.82	12.58	12.36
287.6693	12.38	11.86	10.86	12.58	12.26
287.7637	12.41	11.85	10.86	12.55	12.34
287.8582	12.47	11.88	10.91	12.55	12.48
287.9526	12.52	11.90	10.91	12.56	12.54
288.0470	12.47	11.87	10.88	12.58	12.43
288.1414	12.42	11.86	10.88	12.58	12.31
288.2358	12.39	11.84	10.89	12.57	12.27
288.3302	12.43	11.85	10.93	12.55	12.40
288.4246	12.49	11.89	10.91	12.57	12.49
288.5190	12.48	11.83	10.86	12.63	12.45
288.6134	12.43	11.80	10.82	12.59	12.34
288.7078	12.36	11.79	10.86	12.56	12.27
288.8023	12.36	11.80	10.87	12.55	12.30
288.8967	12.41	11.83	10.87	12.56	12.41
288.9911	12.46	11.77	10.85	12.59	12.43
289.0855	12.44	11.76	10.84	12.61	12.36
289.1799	12.38	11.77	10.88	12.57	12.32
289.2743	12.35	11.80	10.89	12.54	12.28
289.3687	12.38	11.81	10.92	12.54	12.30
289.4631	12.43	11.77	10.90	12.60	12.36
289.5575	12.45	11.76	10.86	12.63	12.39
289.6520	12.42	11.80	10.88	12.59	12.34
289.7464	12.35	11.81	10.89	12.56	12.29
289.8408	12.35	11.81	10.91	12.55	12.26
289.9352	12.38	11.77	10.84	12.60	12.29
290.0296	12.45	11.77	10.80	12.60	12.39
290.1240	12.45	11.80	10.84	12.59	12.44
290.2184	12.41	11.82	10.87	12.53	12.42
290.3128	12.37	11.80	10.88	12.54	12.34
290.4072	12.40	11.80	10.83	12.53	12.31
290.5017	12.45	11.80	10.83	12.59	12.38
290.5961	12.49	11.84	10.88	12.58	12.50
290.6905	12.49	11.85	10.90	12.54	12.54
290.7849	12.43	11.85	10.92	12.55	12.42
290.8793	12.40	11.84	10.87	12.58	12.30
290.9737	12.41	11.84	10.84	12.59	12.29
291.0681	12.48	11.88	10.85	12.60	12.43
291.1625	12.50	11.87	10.89	12.57	12.53
291.2569	12.45	11.86	10.93	12.56	12.49
291.3513	12.40	11.88	10.87	12.57	12.30
291.4458	12.38	11.85	10.85	12.57	12.22
291.5402	12.43	11.85	10.88	12.59	12.34
291.6346	12.49	11.83	10.96	12.57	12.51
291.7290	12.48	11.83	10.97	12.55	12.56
291.8234	12.43	11.88	10.91	12.56	12.39
291.9178	12.35	11.82	10.91	12.59	12.20
292.0122	12.38	11.81	10.92	12.60	12.23
292.1066	12.45	11.82	10.97	12.60	12.43
292.2010	12.49	11.84	10.95	12.58	12.56

292.2955	12.45	11.85	10.91	12.57	12.46
292.3899	12.36	11.81	10.88	12.57	12.22
292.4843	12.34	11.82	10.85	12.59	12.17
292.5787	12.41	11.83	10.89	12.62	12.33
292.6731	12.49	11.85	10.89	12.59	12.54
292.7675	12.49	11.84	10.89	12.55	12.54
292.8619	12.43	11.83	10.85	12.57	12.34
292.9563	12.36	11.82	10.84	12.59	12.19
293.0507	12.37	11.80	10.90	12.60	12.27
293.1451	12.45	11.82	10.91	12.58	12.45
293.2396	12.49	11.83	10.92	12.57	12.55
293.3340	12.46	11.78	10.85	12.55	12.44
293.4284	12.38	11.77	10.84	12.57	12.24
293.5228	12.35	11.78	10.87	12.56	12.24
293.6172	12.38	11.80	10.86	12.54	12.39
293.7116	12.47	11.81	10.86	12.54	12.52
293.8060	12.49	11.77	10.83	12.54	12.52
293.9004	12.44	11.79	10.83	12.55	12.37
293.9948	12.38	11.81	10.83	12.57	12.26
294.0893	12.38	11.81	10.86	12.54	12.33
294.1837	12.44	11.83	10.87	12.57	12.43
294.2781	12.50	11.83	10.86	12.59	12.49
294.3725	12.47	11.81	10.85	12.60	12.40
294.4669	12.42	11.82	10.86	12.57	12.29
294.5613	12.36	11.81	10.88	12.55	12.25
294.6557	12.38	11.83	10.89	12.58	12.32
294.7501	12.45	11.82	10.86	12.60	12.43
294.8445	12.47	11.78	10.87	12.60	12.41
294.9390	12.44	11.81	10.86	12.55	12.37
295.0334	12.37	11.80	10.88	12.53	12.32
295.1278	12.37	11.81	10.86	12.54	12.32
295.2222	12.41	11.82	10.85	12.60	12.35
295.3166	12.45	11.78	10.90	12.61	12.41
295.4110	12.47	11.81	10.89	12.57	12.42
295.5054	12.42	11.82	10.91	12.55	12.36
295.5998	12.35	11.84	10.90	12.57	12.31
295.6942	12.37	11.83	10.92	12.62	12.26
295.7886	12.43	11.80	10.92	12.64	12.32
295.8831	12.48	11.86	10.90	12.60	12.42
295.9775	12.46	11.85	10.89	12.57	12.44
296.0719	12.40	11.86	10.89	12.55	12.37
296.1663	12.37	11.85	10.89	12.56	12.30
296.2607	12.42	11.86	10.88	12.62	12.31
296.3551	12.50	11.85	10.88	12.62	12.45
296.4495	12.51	11.85	10.86	12.58	12.56
296.5439	12.48	11.85	10.88	12.53	12.51
296.6383	12.39	11.85	10.89	12.56	12.36
296.7328	12.38	11.84	10.88	12.58	12.27
296.8272	12.44	11.83	10.88	12.64	12.35
296.9216	12.51	11.84	10.87	12.61	12.51
297.0160	12.49	11.85	10.89	12.56	12.55
297.1104	12.40	11.85	10.91	12.54	12.38
297.2048	12.34	11.84	10.88	12.56	12.20
297.2992	12.38	11.85	10.86	12.62	12.23
297.3936	12.46	11.85	10.86	12.61	12.42
297.4880	12.50	11.83	10.88	12.53	12.55
297.5825	12.45	11.87	10.90	12.53	12.47
297.6769	12.37	11.86	10.85	12.54	12.28
297.7713	12.35	11.82	10.83	12.62	12.16
297.8657	12.41	11.81	10.85	12.60	12.32
297.9601	12.48	11.80	10.90	12.55	12.51

298.0545	12.47	11.84	10.89	12.55	12.52
298.1489	12.40	11.84	10.85	12.56	12.32
298.2433	12.33	11.77	10.84	12.58	12.15
298.3377	12.35	11.78	10.85	12.59	12.21
298.4321	12.42	11.81	10.89	12.57	12.42
298.5266	12.49	11.84	10.88	12.52	12.55
298.6210	12.44	11.80	10.86	12.57	12.41
298.7154	12.36	11.78	10.83	12.58	12.22
298.8098	12.34	11.81	10.85	12.59	12.17
298.9042	12.38	11.82	10.87	12.59	12.32
298.9986	12.46	11.83	10.89	12.55	12.49
299.0930	12.47	11.82	10.88	12.58	12.49
299.1874	12.41	11.79	10.81	12.58	12.31
299.2818	12.36	11.81	10.84	12.58	12.19
299.3763	12.35	11.81	10.88	12.58	12.26
299.4707	12.43	11.83	10.91	12.56	12.44
299.5651	12.48	11.81	10.89	12.55	12.52
299.6595	12.47	11.79	10.86	12.54	12.44
299.7539	12.40	11.80	10.86	12.53	12.31
299.8483	12.37	11.83	10.88	12.56	12.28
299.9427	12.43	11.84	10.90	12.56	12.42
300.0371	12.48	11.83	10.89	12.58	12.50
300.1315	12.49	11.83	10.86	12.60	12.49

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_9\Relazione\L9-B.doc
 HEADER 1: Consorzio di Bonifica della Pianura di Ferrara
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: Linea 3 - Portata massima 200 l/s
 Filename = L9-B.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_9\Relazione\L9-B.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 101: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 103: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000
(m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000
(m3/s)

AIRV at Node 104: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1

Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 105: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 106: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves = 1
Valve Inlet Diameter = 50 mm
Valve Outlet Diameter = 50 mm
Max Volume = 0.000 (m3)
Max Mass of Air = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

PUMP at Node 501: Pump Performance Data
==========-
Not available for other pump options

PUMP at Node 502: Pump Performance Data
==========-
Not available for other pump options

PUMP at Node 503: Pump Performance Data
==========-
Not available for other pump options

All.4 Verifiche in moto vario

10. Comizio irriguo n.10

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_10\Relazione\L10-H.doc
HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
HEADER 2: Sistema Irriguo Valle Pega
HEADER 3: LINEA 10 - Portata massima 250 l/s
Filename = L10-H.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_10\Relazione\L10-H.lis
****

RESULTS 3:- Maximum and Minimum Head(m) and HGL(m)
==========

Pipe No.	Node No.	Max Head (m)	Min Head (m)	Max HGL (m)	Min HGL (m)
1	1	86.71	12.30	92.31	17.90
1	2	85.68	12.28	91.32	17.92
2	1	85.68	12.28	91.32	17.92
2	2	85.62	12.23	91.30	17.91
2	3	85.55	12.19	91.29	17.92
2	4	85.49	12.13	91.27	17.91
3	1	85.49	12.13	91.27	17.91
3	2	85.47	12.10	91.27	17.90
4	1	86.71	12.30	92.31	17.90
4	2	87.44	12.13	93.13	17.82
5	1	87.44	12.13	93.13	17.82
5	2	87.39	12.02	93.11	17.74
6	1	85.68	12.28	91.32	17.92
6	2	85.57	12.17	91.32	17.92
7	1	85.57	12.17	91.32	17.92
7	2	85.38	12.02	91.26	17.89
7	3	85.20	11.87	91.20	17.87
8	1	85.20	11.87	91.20	17.87
8	2	85.13	11.84	91.13	17.84
8	3	85.06	11.82	91.06	17.82
8	4	84.99	11.78	90.99	17.78
9	1	84.99	11.78	90.99	17.78
9	2	84.94	11.78	90.94	17.78
9	3	84.88	11.78	90.88	17.78
9	4	84.83	11.78	90.83	17.78
9	5	84.77	11.79	90.77	17.79
9	6	84.72	11.80	90.72	17.80
9	7	84.67	11.82	90.67	17.82
9	8	84.61	11.84	90.61	17.84
9	9	84.56	11.86	90.56	17.86
9	10	84.50	11.88	90.50	17.88
9	11	84.45	11.90	90.45	17.90
9	12	84.39	11.87	90.39	17.87
9	13	84.34	11.84	90.34	17.84
9	14	84.28	11.82	90.28	17.82
9	15	84.22	11.80	90.22	17.80
9	16	84.16	11.78	90.16	17.78
9	17	84.10	11.76	90.10	17.76
9	18	84.05	11.75	90.05	17.75
9	19	84.00	11.75	90.00	17.75
9	20	83.94	11.75	89.94	17.75

9	21	83.89	11.75	89.89	17.75
9	22	83.83	11.78	89.83	17.78
9	23	83.78	11.79	89.78	17.79
9	24	83.72	11.81	89.72	17.81
9	25	83.67	11.82	89.67	17.82
9	26	83.61	11.83	89.61	17.83
9	27	83.56	11.85	89.56	17.85
9	28	83.50	11.83	89.50	17.83
9	29	83.45	11.80	89.45	17.80
9	30	83.39	11.78	89.39	17.78
9	31	83.34	11.76	89.34	17.76
10	1	87.39	12.02	93.11	17.74
10	2	86.63	11.88	92.43	17.68
11	1	86.63	11.88	92.43	17.68
11	2	85.37	11.75	91.23	17.61
11	3	85.23	11.63	91.14	17.54
11	4	85.66	11.57	91.63	17.54
11	5	85.81	11.50	91.84	17.53
11	6	84.79	11.41	90.87	17.50
11	7	84.64	11.36	90.78	17.50
11	8	84.53	11.31	90.73	17.51
12	1	84.53	11.31	90.73	17.51
12	2	84.38	11.30	90.64	17.56
12	3	84.23	11.27	90.55	17.59
12	4	84.73	11.22	91.10	17.59
12	5	84.29	11.19	90.72	17.62
12	6	84.12	11.16	90.60	17.64
12	7	83.65	11.09	90.19	17.64
12	8	83.50	11.01	90.10	17.61
13	1	83.50	11.01	90.10	17.61
13	2	83.36	10.92	90.01	17.57
13	3	83.22	10.78	89.93	17.49
13	4	83.08	10.66	89.84	17.42
13	5	82.94	10.58	89.76	17.40
13	6	83.28	10.46	90.15	17.33
14	1	83.28	10.46	90.15	17.33
14	2	82.86	10.58	89.67	17.38
14	3	82.83	10.62	89.57	17.36
15	1	82.83	10.62	89.57	17.36
15	2	82.80	10.74	89.48	17.43
15	3	82.76	10.88	89.39	17.51
15	4	82.73	10.91	89.30	17.48
15	5	82.69	11.02	89.20	17.53
15	6	82.65	11.12	89.10	17.57
15	7	82.62	11.22	89.01	17.61
15	8	82.59	11.34	88.93	17.68
16	1	82.59	11.34	88.93	17.68
16	2	82.63	11.33	88.91	17.61
16	3	82.67	11.33	88.90	17.56
16	4	82.70	11.35	88.87	17.52
16	5	82.74	11.35	88.85	17.46
16	6	82.78	11.36	88.83	17.41
16	7	82.82	11.41	88.81	17.41
16	8	82.85	11.47	88.79	17.41
17	1	82.85	11.47	88.79	17.41
17	2	82.88	11.51	88.80	17.43
18	1	85.47	12.10	91.27	17.90
18	2	85.43	12.02	91.29	17.88
18	3	85.54	11.95	91.45	17.87
18	4	85.43	11.88	91.40	17.85
18	5	85.34	11.79	91.37	17.82

18	6	85.02	11.72	91.11	17.81
18	7	84.93	11.65	91.08	17.80
18	8	84.84	11.59	91.04	17.79
19	1	84.84	11.59	91.04	17.79
19	2	84.76	11.52	91.02	17.78
19	3	84.68	11.46	90.99	17.78
19	4	84.58	11.41	90.96	17.78
19	5	84.49	11.34	90.92	17.77
19	6	84.40	11.28	90.89	17.77
19	7	84.31	11.22	90.86	17.77
19	8	84.22	11.17	90.82	17.77
20	1	84.22	11.17	90.82	17.77
20	2	84.17	11.11	90.82	17.76
21	1	84.17	11.11	90.82	17.76
21	2	84.24	11.17	90.83	17.76
21	3	84.26	11.22	90.79	17.75
21	4	84.29	11.29	90.76	17.76
21	5	84.32	11.35	90.73	17.76
21	6	84.35	11.41	90.70	17.76
21	7	84.38	11.47	90.67	17.76
22	1	84.38	11.47	90.67	17.76
22	2	84.40	11.54	90.63	17.77
22	3	84.42	11.60	90.60	17.78
22	4	84.45	11.68	90.57	17.79
22	5	84.47	11.75	90.53	17.81
22	6	84.50	11.81	90.50	17.82
22	7	84.52	11.90	90.47	17.84
22	8	84.55	11.96	90.44	17.85
23	1	84.55	11.96	90.44	17.85
23	2	84.57	12.05	90.40	17.88
23	3	84.60	12.11	90.37	17.88
23	4	84.62	12.16	90.33	17.87
23	5	84.65	12.22	90.30	17.87
24	1	84.65	12.22	90.30	17.87
24	2	84.56	12.16	90.26	17.87
24	3	84.48	12.11	90.23	17.87
24	4	84.39	12.03	90.20	17.84
25	1	84.39	12.03	90.20	17.84
25	2	84.31	11.96	90.17	17.83
25	3	84.22	11.89	90.14	17.81
25	4	84.13	11.83	90.10	17.81
25	5	84.04	11.76	90.07	17.79
25	6	83.95	11.69	90.04	17.78
25	7	83.87	11.63	90.01	17.77
25	8	83.78	11.56	89.98	17.76
26	1	83.78	11.56	89.98	17.76
26	2	83.81	11.57	90.00	17.76
27	1	85.57	12.17	91.32	17.92
27	2	85.47	12.07	91.28	17.88
27	3	85.38	11.96	91.25	17.83
27	4	85.29	11.86	91.22	17.79
27	5	85.20	11.74	91.19	17.73
28	1	85.20	11.74	91.19	17.73
28	2	85.11	11.64	91.16	17.69
28	3	85.02	11.56	91.13	17.66
28	4	84.93	11.47	91.10	17.63
28	5	84.85	11.40	91.07	17.62
28	6	84.76	11.32	91.04	17.60
28	7	84.68	11.26	91.01	17.59
28	8	84.59	11.22	90.98	17.61
29	1	84.59	11.22	90.98	17.61

29	2	84.50	11.18	90.95	17.63
29	3	84.41	11.15	90.92	17.66
29	4	84.33	11.14	90.89	17.70
29	5	84.24	11.10	90.86	17.72
29	6	84.15	11.04	90.82	17.71
29	7	84.06	10.94	90.79	17.67
29	8	83.97	10.84	90.76	17.63
30	1	83.97	10.84	90.76	17.63
30	2	83.90	10.77	90.74	17.61
30	3	83.82	10.70	90.71	17.59
30	4	83.75	10.64	90.69	17.58
31	1	83.75	10.64	90.69	17.58
31	2	83.79	10.68	90.67	17.56
31	3	83.83	10.74	90.64	17.56
31	4	83.86	10.81	90.61	17.56
31	5	83.90	10.88	90.59	17.57
32	1	83.90	10.88	90.59	17.57
32	2	83.93	10.93	90.56	17.56
32	3	83.95	10.99	90.53	17.56
32	4	83.98	11.06	90.50	17.58
32	5	84.01	11.15	90.47	17.61
32	6	84.04	11.24	90.44	17.65
32	7	84.07	11.30	90.41	17.65
32	8	84.09	11.34	90.38	17.63
33	1	84.09	11.34	90.38	17.63
33	2	84.11	11.37	90.35	17.60
33	3	84.14	11.38	90.32	17.56
33	4	84.16	11.41	90.29	17.54
33	5	84.19	11.45	90.26	17.52
33	6	84.21	11.50	90.22	17.51
33	7	84.23	11.53	90.19	17.49
34	1	81.70	11.08	88.40	17.78
34	2	81.65	11.12	88.29	17.76
34	3	81.61	11.19	88.19	17.77
34	4	81.55	11.26	88.07	17.78
34	5	81.49	11.32	87.95	17.78
34	6	81.44	11.39	87.84	17.79
34	7	81.39	11.46	87.73	17.80
35	1	81.39	11.46	87.73	17.80
35	2	81.44	11.62	87.64	17.82
35	3	81.51	11.80	87.57	17.86
35	4	81.55	11.96	87.46	17.87
35	5	81.60	12.12	87.37	17.88
35	6	81.65	12.24	87.28	17.86
35	7	81.71	12.37	87.19	17.85
36	1	81.71	12.37	87.19	17.85
36	2	80.64	11.31	87.17	17.84
37	1	80.64	11.31	87.17	17.84
37	2	80.47	11.23	87.06	17.82
37	3	80.30	11.16	86.95	17.81
37	4	80.13	11.09	86.84	17.80
37	5	79.94	11.02	86.71	17.79
37	6	79.78	10.95	86.61	17.78
37	7	79.63	10.88	86.52	17.77
38	1	79.63	10.88	86.52	17.77
38	2	79.45	10.82	86.40	17.77
38	3	79.26	10.76	86.27	17.77
38	4	79.12	10.72	86.19	17.79
38	5	78.93	10.68	86.06	17.81
38	6	78.76	10.65	85.95	17.84
38	7	78.58	10.61	85.83	17.86

39	1	78.58	10.61	85.83	17.86
39	2	78.63	10.64	85.82	17.83
39	3	78.61	10.68	85.74	17.81
39	4	78.54	10.72	85.61	17.79
39	5	78.47	10.78	85.48	17.79
39	6	78.40	10.82	85.35	17.77
39	7	78.38	10.86	85.27	17.75
40	1	78.38	10.86	85.27	17.75
40	2	79.33	11.80	85.27	17.74
41	1	79.33	11.80	85.27	17.74
41	2	79.06	11.57	85.25	17.76
41	3	78.76	11.32	85.20	17.76
41	4	78.47	11.08	85.16	17.77
41	5	78.20	10.84	85.14	17.78
41	6	77.94	10.60	85.13	17.79
42	1	77.94	10.60	85.13	17.79
42	2	77.84	10.55	85.09	17.80
42	3	77.74	10.50	85.05	17.81
42	4	77.65	10.43	85.02	17.80
42	5	77.57	10.36	85.00	17.79
42	6	77.48	10.27	84.97	17.76
42	7	77.37	10.18	84.92	17.73
43	1	81.70	11.08	88.40	17.78
43	2	81.74	11.16	88.38	17.80
43	3	81.78	11.24	88.37	17.83
43	4	81.89	11.32	88.42	17.85
43	5	82.00	11.38	88.47	17.85
43	6	82.03	11.41	88.45	17.82
43	7	82.06	11.42	88.41	17.78
43	8	82.11	11.44	88.41	17.74
44	1	82.11	11.44	88.41	17.74
44	2	82.59	11.88	88.43	17.72
44	3	83.14	12.32	88.52	17.70
45	1	83.14	12.32	88.52	17.70
45	2	82.89	12.09	88.48	17.69
45	3	82.64	11.88	88.44	17.69
45	4	82.42	11.67	88.44	17.69
45	5	82.22	11.47	88.46	17.70
45	6	82.03	11.27	88.48	17.72
46	1	82.03	11.27	88.48	17.72
46	2	82.00	11.25	88.51	17.76
46	3	81.97	11.24	88.54	17.80
46	4	81.98	11.23	88.60	17.85
46	5	81.90	11.20	88.58	17.88
46	6	81.91	11.15	88.64	17.88
46	7	81.83	11.05	88.63	17.84
46	8	81.76	10.95	88.61	17.80
47	1	81.76	10.95	88.61	17.80
47	2	81.90	10.97	88.69	17.77
47	3	82.00	11.00	88.73	17.74
47	4	82.05	11.03	88.73	17.71
47	5	82.15	11.07	88.78	17.69
47	6	82.18	11.13	88.74	17.69
47	7	82.21	11.19	88.71	17.69
47	8	82.29	11.26	88.74	17.71
48	1	82.29	11.26	88.74	17.71
48	2	82.87	11.82	88.80	17.75
48	3	83.37	12.36	88.78	17.77
49	1	83.37	12.36	88.78	17.77
49	2	83.06	12.12	88.75	17.81
49	3	82.84	11.88	88.81	17.85

49	4	82.53	11.62	88.78	17.87
49	5	82.24	11.37	88.77	17.89
49	6	81.89	11.06	88.69	17.86
50	1	81.89	11.06	88.69	17.86
50	2	81.94	10.94	88.79	17.80
50	3	81.95	10.85	88.86	17.76
50	4	81.99	10.76	88.96	17.73
50	5	81.87	10.69	88.90	17.71
50	6	81.85	10.61	88.94	17.69
50	7	81.84	10.55	88.98	17.69
50	8	81.83	10.49	89.03	17.69
51	1	82.88	11.51	88.80	17.43
51	2	82.72	11.47	88.69	17.45
51	3	82.56	11.45	88.59	17.48
51	4	82.39	11.41	88.48	17.50
51	5	82.23	11.37	88.37	17.51
51	6	82.06	11.35	88.26	17.55
51	7	81.90	11.33	88.15	17.58
51	8	82.39	11.26	88.70	17.57
52	1	82.39	11.26	88.70	17.57
52	2	81.57	11.17	87.94	17.53
52	3	81.40	11.07	87.83	17.50
52	4	81.24	11.00	87.72	17.48
52	5	81.06	10.95	87.60	17.49
52	6	80.89	10.87	87.49	17.46
52	7	80.77	10.82	87.42	17.47
52	8	80.80	10.75	87.51	17.46
53	1	80.80	10.75	87.51	17.46
53	2	80.38	10.71	87.15	17.48
53	3	80.21	10.69	87.03	17.52
53	4	80.03	10.73	86.92	17.61
53	5	79.86	10.74	86.80	17.68
53	6	80.20	10.71	87.19	17.70
53	7	79.51	10.72	86.56	17.77
53	8	79.33	10.74	86.44	17.85
54	1	78.94	10.27	86.48	17.81
54	2	79.12	10.52	86.44	17.85
54	3	79.33	10.74	86.44	17.85
55	1	83.81	11.57	90.00	17.76
55	2	83.68	11.63	89.81	17.76
55	3	83.55	11.68	89.62	17.75
55	4	83.41	11.72	89.43	17.74
55	5	83.28	11.76	89.24	17.72
55	6	83.18	11.81	89.09	17.71
55	7	83.59	11.86	89.44	17.71
55	8	83.28	11.92	89.07	17.71
56	1	83.28	11.92	89.07	17.71
56	2	82.75	11.96	88.49	17.69
56	3	82.62	12.01	88.31	17.69
56	4	82.50	12.05	88.13	17.68
57	1	82.50	12.05	88.13	17.68
57	2	82.24	12.00	87.93	17.69
57	3	82.23	11.95	87.98	17.70
57	4	82.31	11.88	88.12	17.69
57	5	81.59	11.85	87.46	17.72
58	1	81.59	11.85	87.46	17.72
58	2	81.14	11.82	87.07	17.74
58	3	80.88	11.81	86.86	17.79
58	4	80.61	11.76	86.65	17.81
58	5	80.35	11.74	86.45	17.84
58	6	80.09	11.69	86.24	17.85

58	7	79.83	11.65	86.04	17.86
58	8	79.56	11.61	85.83	17.88
59	1	79.56	11.61	85.83	17.88
59	2	79.45	11.51	85.83	17.88
59	3	79.34	11.41	85.82	17.89
60	1	84.23	11.53	90.19	17.49
60	2	84.15	11.46	90.19	17.50
61	1	84.15	11.46	90.19	17.50
61	2	83.91	11.37	90.02	17.49
61	3	83.67	11.32	89.86	17.50
61	4	83.44	11.25	89.69	17.51
61	5	83.20	11.20	89.53	17.53
61	6	82.96	11.16	89.35	17.56
61	7	82.71	11.11	89.18	17.58
61	8	82.47	11.08	89.01	17.62
62	1	82.47	11.08	89.01	17.62
62	2	82.23	11.05	88.84	17.66
62	3	81.98	10.97	88.66	17.65
62	4	81.73	10.86	88.48	17.62
62	5	81.49	10.78	88.31	17.61
62	6	81.24	10.71	88.14	17.61
62	7	81.00	10.63	87.97	17.60
62	8	80.75	10.56	87.79	17.60
63	1	80.75	10.56	87.79	17.60
63	2	80.49	10.49	87.60	17.61
63	3	80.23	10.42	87.41	17.61
63	4	79.97	10.37	87.22	17.63
63	5	79.71	10.33	87.03	17.66
63	6	79.45	10.30	86.85	17.70
63	7	79.19	10.27	86.66	17.74
63	8	78.94	10.27	86.48	17.81
64	1	77.37	10.18	84.92	17.73
64	2	77.44	10.16	84.93	17.65
64	3	77.34	10.20	84.77	17.63
64	4	77.24	10.26	84.61	17.63
64	5	77.16	10.32	84.47	17.63
64	6	77.03	10.38	84.28	17.63
64	7	76.92	10.43	84.11	17.62
65	1	76.92	10.43	84.11	17.62
65	2	77.09	10.76	83.96	17.63
65	3	77.23	11.10	83.77	17.64
65	4	77.39	11.44	83.60	17.65
66	1	77.39	11.44	83.60	17.65
66	2	76.36	10.45	83.60	17.69
67	1	76.36	10.45	83.60	17.69
67	2	76.38	10.53	83.57	17.72
67	3	76.31	10.61	83.45	17.75
67	4	76.23	10.70	83.32	17.79
68	1	76.23	10.70	83.32	17.79
68	2	76.11	10.74	83.14	17.77
68	3	75.98	10.77	82.95	17.74
68	4	75.87	10.77	82.78	17.68
68	5	75.77	10.79	82.62	17.64
68	6	75.66	10.83	82.45	17.62
68	7	75.56	10.87	82.29	17.60
69	1	81.83	10.49	89.03	17.69
69	2	81.92	10.55	89.06	17.69
69	3	81.99	10.63	89.07	17.72
69	4	82.05	10.73	89.08	17.76
69	5	82.10	10.79	89.07	17.76
69	6	82.30	10.87	89.21	17.79

69	7	82.34	10.96	89.20	17.82
69	8	82.37	11.04	89.17	17.84
70	1	82.37	11.04	89.17	17.84
70	2	83.01	11.65	89.14	17.78
70	3	83.71	12.27	89.17	17.73
71	1	83.71	12.27	89.17	17.73
71	2	82.00	10.50	89.20	17.70
72	1	82.00	10.50	89.20	17.70
72	2	82.04	10.52	89.19	17.66
72	3	82.05	10.55	89.15	17.65
72	4	82.16	10.60	89.21	17.64
72	5	82.22	10.66	89.21	17.65
73	1	82.22	10.66	89.21	17.65
73	2	82.30	10.70	89.24	17.64
73	3	82.39	10.76	89.26	17.64
73	4	82.43	10.84	89.25	17.66
73	5	82.21	10.94	88.98	17.71
73	6	82.25	11.02	88.97	17.73
73	7	82.04	11.10	88.70	17.75
73	8	82.07	11.19	88.67	17.79
74	1	82.07	11.19	88.67	17.79
74	2	82.04	11.25	88.58	17.79
74	3	82.00	11.28	88.49	17.76
74	4	81.97	11.28	88.40	17.71
74	5	82.37	11.31	88.74	17.68
74	6	82.76	11.32	89.07	17.63
74	7	83.16	11.34	89.41	17.59
75	1	85.57	12.17	91.32	17.92
75	2	85.42	12.11	91.23	17.91
75	3	85.28	12.04	91.14	17.90
75	4	85.14	11.97	91.05	17.88
76	1	85.14	11.97	91.05	17.88
76	2	85.00	11.89	90.96	17.86
76	3	84.85	11.81	90.88	17.84
76	4	84.71	11.74	90.79	17.82
76	5	84.56	11.66	90.70	17.80
76	6	84.41	11.60	90.61	17.80
76	7	84.27	11.54	90.52	17.80
76	8	84.15	11.48	90.46	17.79
77	1	84.15	11.48	90.46	17.79
77	2	84.00	11.43	90.36	17.79
77	3	83.85	11.37	90.27	17.80
77	4	83.70	11.33	90.18	17.81
77	5	83.56	11.28	90.09	17.82
77	6	83.41	11.22	90.01	17.82
77	7	83.26	11.17	89.92	17.83
77	8	83.12	11.11	89.83	17.82
78	1	83.12	11.11	89.83	17.82
78	2	82.97	11.05	89.74	17.82
78	3	82.83	10.99	89.65	17.82
78	4	82.67	10.92	89.55	17.80
79	1	82.67	10.92	89.55	17.80
79	2	82.73	10.98	89.55	17.80
79	3	82.69	11.04	89.46	17.81
79	4	82.65	11.10	89.37	17.81
79	5	82.62	11.16	89.28	17.82
80	1	82.62	11.16	89.28	17.82
80	2	82.58	11.22	89.19	17.82
80	3	82.55	11.28	89.10	17.84
80	4	82.51	11.35	89.01	17.85
80	5	82.47	11.41	88.92	17.86

80	6	82.42	11.49	88.81	17.88
80	7	82.39	11.55	88.72	17.88
80	8	82.35	11.60	88.63	17.88
81	1	82.35	11.60	88.63	17.88
81	2	82.39	11.66	88.61	17.89
81	3	82.42	11.71	88.59	17.88
81	4	82.46	11.74	88.57	17.85
81	5	82.49	11.78	88.55	17.84
81	6	82.53	11.81	88.53	17.81
81	7	82.57	11.86	88.51	17.81
81	8	82.60	11.89	88.49	17.78
82	1	82.60	11.89	88.49	17.78
82	2	82.64	11.94	88.47	17.77
82	3	82.67	11.99	88.45	17.77
83	1	82.67	11.99	88.45	17.77
83	2	82.50	11.92	88.33	17.76
83	3	82.33	11.86	88.22	17.75
83	4	82.16	11.79	88.11	17.74
83	5	81.99	11.73	88.00	17.73
83	6	81.83	11.68	87.89	17.74
84	1	81.83	11.68	87.89	17.74
84	2	81.75	11.59	87.89	17.73
85	1	81.75	11.59	87.89	17.73
85	2	81.80	11.63	87.89	17.72
85	3	81.74	11.67	87.78	17.71
85	4	81.69	11.72	87.67	17.70
85	5	81.64	11.78	87.57	17.70
85	6	81.58	11.83	87.46	17.71
85	7	81.53	11.90	87.35	17.72
86	1	81.53	11.90	87.35	17.72
86	2	81.59	11.98	87.34	17.73
87	1	81.59	11.98	87.34	17.73
87	2	81.43	11.93	87.23	17.73
87	3	81.26	11.88	87.12	17.74
87	4	81.10	11.84	87.01	17.75
87	5	80.93	11.79	86.90	17.76
87	6	80.77	11.75	86.80	17.78
87	7	80.61	11.70	86.69	17.78
88	1	80.61	11.70	86.69	17.78
88	2	80.43	11.66	86.57	17.80
88	3	80.25	11.64	86.44	17.83
88	4	80.07	11.60	86.32	17.85
88	5	79.89	11.56	86.19	17.87
88	6	79.70	11.51	86.07	17.87
88	7	79.52	11.45	85.95	17.87
88	8	79.34	11.41	85.82	17.89
89	1	79.33	10.74	86.44	17.85
89	2	78.94	10.76	86.03	17.85
89	3	78.56	10.76	85.63	17.82
89	4	78.18	10.73	85.22	17.78
89	5	77.80	10.75	84.82	17.78
89	6	77.41	10.78	84.41	17.78
90	1	77.41	10.78	84.41	17.78
90	2	76.99	10.78	83.99	17.78
90	3	76.56	10.76	83.56	17.76
90	4	76.13	10.74	83.13	17.74
90	5	75.70	10.58	82.70	17.58
90	6	75.28	10.63	82.28	17.63
90	7	74.85	10.73	81.85	17.73
90	8	74.42	10.78	81.42	17.78
90	9	73.99	10.75	80.99	17.75

90	10	73.57	10.64	80.57	17.64
90	11	73.14	10.70	80.14	17.70
90	12	72.71	10.80	79.71	17.80
90	13	72.28	10.80	79.28	17.80
90	14	71.86	10.74	78.86	17.74
90	15	71.43	10.71	78.43	17.71
90	16	71.00	10.70	78.00	17.70
90	17	70.57	10.69	77.57	17.69
90	18	70.14	10.64	77.14	17.64
90	19	69.72	10.59	76.72	17.59
90	20	69.29	10.61	76.29	17.61
90	21	68.86	10.61	75.86	17.61
90	22	68.43	10.56	75.43	17.56
90	23	68.01	10.50	75.01	17.50
90	24	67.58	10.59	74.58	17.59
90	25	67.15	10.67	74.15	17.67
90	26	66.72	10.70	73.72	17.70
90	27	66.30	10.73	73.30	17.73
90	28	65.87	10.75	72.87	17.75
90	29	65.44	10.72	72.44	17.72
90	30	65.01	10.69	72.01	17.69
90	31	64.59	10.66	71.59	17.66
90	32	64.16	10.64	71.16	17.64
90	33	63.73	10.66	70.73	17.66
90	34	63.30	10.63	70.30	17.63
91	1	53.13	-10.13	60.33	-2.93
91	2	82.31	-45.08	91.31	-36.08
92	1	53.13	-10.13	60.33	-2.93
92	2	82.32	-53.22	91.32	-44.22
93	1	53.13	-10.13	60.33	-2.93
93	2	82.32	-52.30	91.32	-43.30
94	1	53.13	-10.13	60.33	-2.93
94	2	82.32	-50.89	91.32	-41.89
99	1	137.20	1.04	146.20	10.04
99	2	102.93	-5.34	113.98	5.71
100	1	137.19	-1.09	146.19	7.91
100	2	109.27	-0.66	120.32	10.39
101	1	137.13	-10.13	146.13	-1.13
101	2	100.90	6.01	111.95	17.06
102	1	137.00	-1.22	146.00	7.78
102	2	98.93	5.81	109.98	16.86
103	1	102.93	-5.34	113.98	5.71
103	2	109.27	-0.66	120.32	10.39
104	1	109.27	-0.66	120.32	10.39
104	2	100.90	6.01	111.95	17.06
105	1	100.90	6.01	111.95	17.06
105	2	98.93	5.81	109.98	16.86
106	1	98.93	5.81	109.98	16.86
106	2	95.59	6.13	106.64	17.18
107	1	95.59	6.13	106.64	17.18
107	2	96.01	10.39	103.21	17.59
108	1	96.01	10.39	103.21	17.59
108	2	86.71	12.30	92.31	17.90
109	1	167.44	-8.59	176.44	0.41
109	2	137.20	1.04	146.20	10.04
110	1	167.42	-9.75	176.42	-0.75
110	2	137.19	-1.09	146.19	7.91
111	1	167.33	-11.43	176.33	-2.43
111	2	137.13	-10.13	146.13	-1.13
112	1	167.13	-6.26	176.13	2.74
112	2	137.00	-1.22	146.00	7.78

113	1	63.27	10.63	70.27	17.63
113	2	63.27	10.55	70.27	17.55
114	1	63.24	10.55	70.24	17.55
114	2	60.74	7.96	70.24	17.46
115	1	78.94	10.27	86.48	17.81
115	2	78.95	10.27	86.49	17.81
116	1	78.91	10.27	86.45	17.81
116	2	78.86	10.25	86.40	17.79
117	1	78.82	10.25	86.36	17.79
117	2	77.39	8.72	86.42	17.75
118	1	79.56	11.61	85.83	17.88
118	2	79.57	11.59	85.84	17.86
119	1	79.53	11.59	85.80	17.86
119	2	79.52	11.58	85.79	17.85
120	1	79.48	11.58	85.75	17.85
120	2	77.79	9.86	85.76	17.83
121	1	79.34	11.41	85.82	17.89
121	2	79.35	11.40	85.83	17.88
122	1	79.31	11.40	85.79	17.88
122	2	79.31	11.38	85.79	17.86
123	1	79.27	11.38	85.75	17.86
123	2	77.72	9.84	85.74	17.86
124	1	82.35	11.60	88.63	17.88
124	2	82.55	11.80	88.63	17.88
125	1	82.51	11.80	88.59	17.88
125	2	82.70	11.99	88.59	17.88
126	1	82.66	11.99	88.55	17.88
126	2	80.49	9.80	88.56	17.87
127	1	82.59	11.34	88.93	17.68
127	2	82.59	11.24	88.93	17.58
128	1	82.55	11.24	88.89	17.58
128	2	82.55	11.14	88.89	17.48
129	1	82.51	11.14	88.85	17.48
129	2	80.53	9.05	88.91	17.43
130	1	83.12	11.34	89.37	17.59
130	2	82.75	11.32	89.00	17.57
131	1	82.71	11.32	88.96	17.57
131	2	80.70	8.93	89.33	17.56
132	1	81.89	11.06	88.69	17.86
132	2	83.19	11.02	89.99	17.82
133	1	83.15	11.02	89.95	17.82
133	2	82.28	11.05	89.08	17.85
134	1	82.24	11.05	89.04	17.85
134	2	81.58	9.50	89.90	17.82
135	1	78.38	10.86	85.27	17.75
135	2	78.43	10.84	85.32	17.73
136	1	78.39	10.84	85.28	17.73
136	2	78.42	10.81	85.31	17.70
137	1	78.38	10.81	85.27	17.70
137	2	76.71	9.08	85.32	17.69
138	1	75.52	10.87	82.25	17.60
138	2	75.53	10.86	82.26	17.59
139	1	75.49	10.86	82.22	17.59
139	2	73.02	8.36	82.23	17.57
140	1	0.00	-0.63	7.20	6.57
140	2	53.13	-10.13	60.33	-2.93
141	1	81.68	11.07	88.37	17.77
141	2	81.70	11.08	88.40	17.78
142	1	84.59	12.73	89.59	17.73
142	2	84.43	12.63	89.53	17.73
142	3	84.27	12.55	89.47	17.75

142	4	84.12	12.47	89.41	17.76
142	5	83.96	12.38	89.36	17.77
142	6	83.80	12.29	89.30	17.79
142	7	83.64	12.22	89.24	17.81
142	8	83.48	12.14	89.18	17.84
142	9	83.19	12.06	88.99	17.86
142	10	82.97	11.94	88.86	17.83
142	11	82.78	11.82	88.78	17.82
142	12	82.62	11.69	88.72	17.79
142	13	82.47	11.58	88.66	17.77
142	14	82.31	11.46	88.60	17.75
142	15	82.15	11.36	88.55	17.75
142	16	82.00	11.25	88.49	17.75
142	17	81.84	11.16	88.43	17.76
142	18	81.68	11.07	88.37	17.77
143	1	80.43	8.74	89.43	17.74
143	2	84.59	12.73	89.59	17.73
144	1	79.33	7.74	89.33	17.74
144	2	80.43	8.74	89.43	17.74
145	1	83.34	11.76	89.34	17.76
145	2	79.33	7.74	89.33	17.74

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_10\Relazione\L10-H.doc
Date Created: Monday, January 25, 2021 - Time: 11 : 18 AM
Consorzio di Bonifica della Pianura Ferrarese
Sistema Irriguo Valle Pega
LINEA 10 - Portata massima 250 l/s

```
    5    1
    6    2   50
   59    2   50
   54    2   50
  144    2  100
  141    2  100
   100.00   -10.00
 300.0000     0.1065
```

Time	Pipe 6@ 50%	Pipe 59@ 50%	Pipe 54@ 50%	Pipe 144@100%	Pipe 141@100%
0.0000	85.57	79.45	79.11	80.32	81.66
0.1065	78.32	79.41	79.10	80.43	81.66
0.2130	79.95	79.43	79.12	80.42	81.59
0.3195	80.34	79.39	79.08	80.42	81.52
0.4260	81.40	79.40	79.10	80.42	81.48
0.5325	82.19	79.39	79.09	80.41	81.44
0.6390	80.90	79.39	79.10	80.41	81.35
0.7455	79.72	79.38	79.09	80.40	81.29
0.8520	79.65	79.39	79.10	80.40	81.26
0.9585	78.88	79.37	79.10	80.40	81.23
1.0650	79.83	79.37	79.10	80.26	81.27
1.1714	80.42	79.40	79.10	80.19	81.22
1.2779	80.39	79.39	79.10	80.13	81.15
1.3844	81.22	79.39	79.10	80.05	81.07
1.4909	81.36	79.39	79.11	80.06	81.03
1.5974	81.57	79.39	79.11	79.98	80.94
1.7039	81.88	79.39	79.11	79.90	80.87
1.8104	82.62	79.40	79.09	79.87	80.85
1.9169	81.83	79.39	79.10	79.84	80.95
2.0234	81.16	79.39	79.10	73.62	80.47
2.1299	81.24	79.38	79.10	74.99	80.85
2.2364	80.55	79.38	79.09	75.39	80.51
2.3429	80.24	79.39	79.10	76.29	80.66
2.4494	80.95	79.40	79.08	76.41	80.36
2.5559	82.10	79.41	79.08	75.22	80.49
2.6624	82.65	79.41	79.09	74.99	80.17
2.7689	82.67	79.42	79.09	74.54	80.05
2.8754	82.58	79.43	79.09	73.55	79.92
2.9819	82.17	79.42	79.09	73.26	79.89
3.0884	81.75	79.42	79.09	74.56	75.16
3.1949	81.39	79.43	79.09	75.15	76.11
3.3014	81.77	79.43	73.74	74.58	76.40
3.4078	82.88	79.43	73.36	75.23	77.11
3.5143	82.28	79.43	75.43	75.42	77.57
3.6208	82.58	75.06	73.91	75.14	76.50
3.7273	81.83	77.52	71.42	75.48	75.86
3.8338	82.51	72.89	71.96	75.47	75.59
3.9403	84.05	73.24	71.78	75.15	75.08
4.0468	84.07	74.31	69.51	75.79	75.75
4.1533	82.92	73.66	69.82	75.05	75.74
4.2598	82.33	70.84	73.52	74.45	75.47
4.3663	79.96	71.35	72.56	74.88	75.59
4.4728	80.60	71.21	70.05	75.36	75.39
4.5793	81.90	69.79	73.31	75.74	75.47
4.6858	82.02	72.82	74.24	76.83	75.61

4.7923	81.61	72.25	73.11	76.48	75.98
4.8988	81.61	71.25	74.51	76.46	75.54
5.0053	81.07	74.29	74.12	76.19	75.00
5.1118	80.75	73.55	73.08	75.53	74.83
5.2183	81.60	73.63	72.35	75.10	74.19
5.3248	81.74	74.60	72.59	75.30	73.93
5.4313	81.33	75.58	72.26	75.59	74.11
5.5378	80.85	73.32	73.29	75.64	74.76
5.6442	79.92	72.93	73.54	74.56	74.83
5.7507	80.62	74.05	73.32	74.64	74.80
5.8572	81.31	72.11	75.42	75.77	74.32
5.9637	81.33	73.12	74.92	76.85	74.33
6.0702	81.86	74.26	74.69	75.39	73.72
6.1767	82.13	74.69	74.49	74.67	73.49
6.2832	82.25	75.41	74.35	73.54	73.73
6.3897	82.04	74.97	74.16	72.96	74.78
6.4962	82.37	75.45	74.73	73.43	74.13
6.6027	81.96	74.38	76.24	73.74	73.98
6.7092	80.99	74.73	75.08	73.26	72.83
6.8157	80.78	74.03	73.82	73.33	73.54
6.9222	81.56	74.13	74.65	72.80	74.48
7.0287	81.46	75.63	76.77	72.00	74.65
7.1352	81.96	74.87	77.29	72.77	73.64
7.2417	81.60	75.78	75.34	73.22	73.08
7.3482	80.30	75.14	74.66	73.15	71.29
7.4547	81.39	77.10	74.67	72.44	71.75
7.5612	82.27	78.52	75.14	71.88	72.01
7.6677	80.87	76.12	76.07	71.05	71.80
7.7742	79.82	76.90	75.46	72.01	71.42
7.8806	79.51	74.95	74.58	72.45	71.01
7.9871	79.32	73.09	76.09	71.66	70.66
8.0936	80.52	75.12	75.58	71.58	70.06
8.2001	81.72	75.75	75.93	72.07	70.60
8.3066	81.20	74.76	75.99	72.68	70.56
8.4131	80.19	75.01	75.14	72.85	70.19
8.5196	80.30	75.54	74.49	71.15	69.71
8.6261	80.52	74.61	74.54	69.63	69.30
8.7326	81.24	75.80	73.88	69.60	69.86
8.8391	81.36	77.67	73.93	69.99	69.99
8.9456	81.16	75.07	75.92	69.99	70.18
9.0521	79.81	74.94	75.14	70.68	69.66
9.1586	79.35	75.37	73.69	70.14	69.94
9.2651	80.26	73.67	75.45	69.62	70.03
9.3716	81.29	76.03	77.08	69.44	69.84
9.4781	81.36	76.56	76.15	70.85	69.99
9.5846	80.42	75.23	76.16	70.72	69.32
9.6911	80.12	75.67	74.41	69.30	68.42
9.7976	80.16	77.44	73.79	68.57	68.22
9.9041	80.55	77.07	75.65	68.04	68.28
10.0106	81.07	76.67	76.07	68.85	68.44
10.1170	80.63	76.25	76.46	69.98	68.60
10.2235	79.95	75.63	75.99	69.93	68.17
10.3300	80.15	73.83	76.21	69.17	67.67
10.4365	80.44	76.01	75.98	68.58	68.69
10.5430	80.65	76.16	77.45	69.21	69.38
10.6495	80.94	75.86	77.17	69.94	68.18
10.7560	80.60	75.78	74.90	70.44	67.27
10.8625	80.44	75.17	75.93	69.56	67.23
10.9690	80.43	76.81	74.77	68.92	66.98
11.0755	81.01	76.48	73.36	67.91	68.03
11.1820	81.04	76.37	74.46	67.96	68.73

11.2885	80.42	75.06	76.51	68.86	68.25
11.3950	79.19	74.79	74.20	69.64	67.86
11.5015	79.58	74.24	73.98	69.29	67.91
11.6080	80.56	74.47	75.08	68.57	68.31
11.7145	81.10	77.34	75.22	68.62	68.68
11.8210	80.68	76.26	75.28	69.79	68.83
11.9275	80.12	75.67	74.75	69.63	68.37
12.0340	79.93	76.11	74.32	69.61	67.62
12.1405	80.11	75.84	73.97	68.53	67.07
12.2470	80.85	76.39	74.41	68.31	67.86
12.3534	80.62	76.51	74.80	69.18	68.53
12.4599	79.77	75.05	75.08	69.99	68.43
12.5664	79.09	74.25	74.46	70.14	67.80
12.6729	78.86	73.99	74.53	69.67	67.79
12.7794	80.01	74.62	74.18	69.34	67.84
12.8859	80.60	75.91	75.10	69.52	68.28
12.9924	80.78	76.66	75.65	70.29	68.52
13.0989	79.93	75.63	73.84	70.56	68.26
13.2054	79.52	75.01	73.71	70.05	67.73
13.3119	79.93	75.98	74.28	69.49	67.76
13.4184	80.41	75.55	73.55	69.09	68.17
13.5249	80.34	76.02	74.46	69.18	68.82
13.6314	79.63	74.52	75.82	70.10	69.12
13.7379	79.21	73.98	74.56	70.29	68.75
13.8444	78.94	73.80	74.03	69.71	68.42
13.9509	80.11	74.29	74.25	69.06	68.81
14.0574	80.88	75.87	75.10	69.60	69.36
14.1639	80.47	75.49	75.03	70.44	69.40
14.2704	80.01	75.09	73.88	70.16	68.67
14.3769	79.93	75.04	74.09	69.88	67.78
14.4834	79.92	74.87	72.86	69.02	68.22
14.5898	80.25	75.11	73.44	68.68	68.85
14.6963	80.00	75.50	74.73	69.26	69.27
14.8028	79.42	74.55	74.44	70.12	69.08
14.9093	78.85	73.17	74.31	70.67	68.18
15.0158	78.51	73.52	73.81	70.15	68.19
15.1223	79.55	74.00	74.08	69.45	68.51
15.2288	80.54	75.32	74.74	69.53	68.93
15.3353	80.33	75.31	75.25	70.02	68.87
15.4418	79.79	74.71	73.53	70.03	68.33
15.5483	79.51	73.94	73.25	69.99	67.73
15.6548	79.70	74.69	73.84	69.36	67.60
15.7613	80.25	74.65	73.01	68.96	68.60
15.8678	80.17	74.57	73.69	69.26	69.31
15.9743	79.25	73.74	74.86	70.01	69.21
16.0808	78.80	72.93	73.37	70.59	68.73
16.1873	78.72	72.73	73.46	69.89	68.36
16.2938	79.36	73.59	73.66	69.03	68.75
16.4003	80.32	75.11	73.99	69.30	69.19
16.5068	80.14	75.00	74.53	70.30	69.14
16.6133	79.45	74.13	73.51	69.96	68.53
16.7198	79.25	74.31	73.23	69.46	68.24
16.8262	79.31	74.23	72.86	68.95	67.89
16.9327	79.94	74.08	72.79	68.39	68.83
17.0392	79.78	74.61	73.93	69.01	69.46
17.1457	78.99	73.77	74.69	69.83	69.18
17.2522	78.40	72.74	73.68	70.17	68.69
17.3587	78.17	72.48	73.39	69.73	68.36
17.4652	79.38	73.86	73.36	69.36	68.49
17.5717	80.24	74.82	74.65	69.59	68.92
17.6782	79.99	75.09	74.48	70.10	68.96

17.7847	79.39	74.46	73.15	70.07	68.48
17.8912	78.94	73.71	73.13	69.55	67.96
17.9977	79.28	74.28	73.08	68.91	67.81
18.1042	79.71	74.68	72.69	68.54	68.81
18.2107	79.49	74.52	73.69	68.94	69.50
18.3172	78.84	73.85	74.61	69.69	69.26
18.4237	78.22	72.97	73.28	69.95	68.84
18.5302	78.11	72.63	73.43	69.49	68.57
18.6367	79.06	73.72	73.63	68.81	69.01
18.7432	80.05	74.97	74.01	69.25	69.52
18.8497	79.82	74.82	74.45	69.87	69.48
18.9562	79.31	74.43	73.05	69.76	68.74
19.0626	79.09	73.77	73.25	69.67	68.29
19.1691	79.20	73.92	72.83	68.90	68.26
19.2756	79.77	74.22	72.74	68.58	68.83
19.3821	79.67	74.47	73.85	69.11	69.49
19.4886	78.93	73.49	74.39	69.79	69.34
19.5951	78.26	72.88	73.56	70.27	68.65
19.7016	78.02	72.56	73.12	69.90	68.44
19.8081	79.00	73.41	73.24	69.32	68.80
19.9146	79.91	74.86	74.25	69.64	69.29
20.0211	79.58	75.01	74.09	70.24	69.19
20.1276	79.05	74.07	73.00	70.13	68.67
20.2341	78.82	73.76	72.97	69.74	68.25
20.3406	78.95	74.25	72.83	69.13	68.21
20.4471	79.24	74.21	72.40	68.54	69.06
20.5536	78.41	74.30	73.36	69.11	69.78
20.6601	76.51	73.69	74.29	70.03	69.53
20.7666	75.31	72.70	73.37	70.31	69.02
20.8731	74.42	72.43	73.20	70.02	68.80
20.9796	73.37	73.66	73.19	69.35	69.16
21.0861	71.93	74.50	73.97	69.67	69.55
21.1926	70.27	74.68	74.19	70.44	69.63
21.2990	69.31	74.16	72.93	70.22	69.03
21.4055	68.70	73.48	72.74	69.83	68.39
21.5120	67.94	74.02	72.69	69.34	68.40
21.6185	66.23	74.05	72.32	68.79	69.07
21.7250	65.53	74.21	73.33	69.31	69.89
21.8315	64.99	73.29	74.15	70.17	69.64
21.9380	63.66	72.85	73.14	70.36	69.05
22.0445	61.90	72.37	73.17	70.00	68.89
22.1510	59.93	73.25	73.25	69.49	69.13
22.2575	60.10	74.89	73.97	69.83	69.63
22.3640	59.94	74.72	74.29	70.41	69.59
22.4705	58.79	73.80	72.92	70.02	68.93
22.5770	56.80	73.62	72.86	68.62	68.42
22.6835	55.17	74.00	72.77	66.99	68.43
22.7900	55.84	73.94	72.65	66.26	69.16
22.8965	55.60	74.33	73.18	65.65	69.90
23.0030	54.19	73.40	74.12	64.26	69.61
23.1095	52.42	72.60	73.17	62.77	69.10
23.2160	51.58	72.34	72.85	61.97	68.89
23.3225	50.71	73.43	73.15	61.20	69.18
23.4290	49.84	74.57	73.92	60.63	69.59
23.5354	50.60	74.62	73.83	59.65	69.01
23.6419	49.35	73.97	71.71	58.14	67.58
23.7484	48.43	73.39	69.79	57.77	66.71
23.8549	48.95	74.05	68.55	57.04	66.23
23.9614	49.30	73.88	68.75	55.43	65.63
24.0679	49.15	73.53	66.98	53.86	64.72
24.1744	48.61	71.20	62.66	53.03	63.56

24.2809	49.83	68.69	60.01	52.82	62.82
24.3874	50.38	68.94	61.31	52.35	62.35
24.4939	50.15	67.39	60.96	51.10	61.99
24.6004	49.92	64.54	57.97	49.72	61.02
24.7069	49.76	62.25	54.51	49.50	60.46
24.8134	49.86	60.72	52.78	49.23	60.03
24.9199	49.68	60.09	55.00	49.13	59.03
25.0264	49.64	58.48	53.81	47.93	57.89
25.1329	48.93	56.08	49.11	46.97	56.70
25.2394	48.04	53.29	45.70	46.22	56.91
25.3459	47.28	54.29	45.97	45.41	56.72
25.4524	46.96	52.89	46.12	45.88	55.69
25.5589	46.60	49.55	44.96	45.70	54.26
25.6654	45.99	47.74	41.92	44.83	53.25
25.7718	45.29	45.15	38.10	44.51	53.90
25.8783	44.81	46.89	38.60	45.10	53.66
25.9848	44.73	45.22	38.77	45.27	52.50
26.0913	44.37	41.89	38.76	45.22	51.14
26.1978	43.77	39.34	34.86	45.90	50.60
26.3043	43.57	38.14	33.10	46.70	50.12
26.4108	43.88	39.97	32.55	46.71	49.55
26.5173	43.87	37.44	31.46	46.44	49.96
26.6238	43.12	34.13	33.24	46.94	48.90
26.7303	42.02	33.33	30.86	47.57	48.18
26.8368	41.44	33.39	28.65	47.82	48.69
26.9433	41.67	30.62	28.59	47.72	49.15
27.0498	41.04	29.82	29.99	47.39	49.10
27.1563	40.10	31.66	29.21	46.50	48.45
27.2628	39.34	27.95	28.18	46.24	49.44
27.3693	38.74	28.04	30.02	46.42	50.29
27.4758	38.64	29.91	31.53	45.92	50.24
27.5823	38.33	28.99	30.53	45.10	50.10
27.6888	37.93	28.67	29.70	44.17	49.98
27.7953	37.45	28.84	32.26	43.74	50.20
27.9018	37.26	32.58	34.17	43.82	50.29
28.0082	36.90	31.60	33.73	44.07	50.31
28.1147	36.74	30.32	32.85	43.82	49.70
28.2212	35.99	31.79	33.07	43.04	48.89
28.3277	35.42	32.61	33.24	42.89	48.41
28.4342	35.74	32.66	32.95	43.42	48.16
28.5407	35.05	31.69	32.80	43.33	47.69
28.6472	34.94	32.27	32.52	42.46	46.95
28.7537	34.40	31.41	31.52	41.49	46.48
28.8602	33.61	30.72	30.80	41.09	46.33
28.9667	33.39	30.50	30.34	40.76	46.08
29.0732	33.42	30.36	30.31	40.02	45.47
29.1797	33.68	31.12	31.96	39.18	44.95
29.2862	32.81	29.44	31.76	38.39	45.02
29.3927	32.01	29.03	30.34	38.00	45.33
29.4992	31.44	29.77	30.60	37.24	44.98
29.6057	31.90	30.23	32.79	36.61	44.00
29.7122	31.23	30.05	32.23	36.16	43.11
29.8187	30.32	29.51	29.97	35.75	42.71
29.9252	30.97	29.63	30.82	35.32	42.68
30.0317	30.22	30.62	31.46	34.26	41.76
30.1382	29.82	31.33	30.68	33.60	40.55
30.2446	29.44	30.10	28.08	33.40	39.71
30.3511	29.17	29.27	28.46	33.36	39.29
30.4576	29.35	29.96	28.99	32.78	38.93
30.5641	28.90	30.45	29.45	31.97	37.84
30.6706	28.87	29.59	29.64	31.21	37.09

30.7771	27.76	27.46	27.88	30.96	36.51
30.8836	27.32	27.66	28.41	30.99	36.04
30.9901	27.70	27.73	29.44	30.33	35.41
31.0966	27.87	26.95	30.16	29.83	34.62
31.2031	27.36	26.41	29.19	29.11	33.69
31.3096	26.55	26.07	29.46	28.15	33.28
31.4161	27.45	26.33	29.17	27.91	33.57
31.5226	27.63	26.33	28.10	27.93	32.77
31.6291	27.27	26.32	28.01	27.05	32.19
31.7356	27.14	25.71	27.80	26.02	31.72
31.8421	27.69	27.10	28.01	25.66	31.33
31.9486	28.09	27.88	26.70	25.48	31.08
32.0551	27.43	26.13	26.10	25.16	30.80
32.1616	27.34	26.15	26.36	24.16	30.79
32.2681	27.16	26.47	26.49	23.73	29.86
32.3746	27.19	27.09	25.75	23.53	29.06
32.4810	26.93	25.96	26.47	23.19	28.71
32.5875	26.77	25.20	27.11	22.87	28.77
32.6940	26.61	26.19	26.84	22.48	27.83
32.8005	26.17	25.37	25.95	21.92	26.87
32.9070	26.27	25.61	25.16	21.91	27.30
33.0135	25.95	24.89	26.67	22.68	26.61
33.1200	26.19	25.15	26.47	22.18	25.88
33.2265	26.22	25.80	26.47	21.55	25.31
33.3330	25.82	25.41	24.77	21.46	25.16
33.4395	25.53	25.19	22.84	22.29	25.33
33.5460	25.39	24.04	24.50	22.49	24.75
33.6525	25.69	26.00	24.93	21.57	24.59
33.7590	25.45	25.68	23.38	21.64	23.76
33.8655	24.93	24.28	21.88	21.81	23.43
33.9720	24.81	25.23	22.31	21.91	23.75
34.0785	25.03	25.44	22.74	21.58	23.92
34.1850	25.16	25.35	21.90	21.22	23.35
34.2915	24.55	23.48	21.50	21.18	22.43
34.3980	24.06	25.28	22.09	21.08	23.32
34.5045	24.42	25.43	22.13	21.03	23.64
34.6110	24.70	24.12	21.78	20.77	23.14
34.7174	24.06	24.66	22.03	20.69	22.76
34.8239	23.39	24.27	21.72	20.51	23.04
34.9304	23.72	25.31	21.59	20.44	23.55
35.0369	23.82	24.51	22.22	20.68	23.09
35.1434	23.51	25.12	23.02	20.81	22.85
35.2499	23.52	25.50	22.47	20.63	22.50
35.3564	23.53	24.85	21.71	20.23	22.33
35.4629	23.45	25.28	21.73	20.16	22.26
35.5694	23.13	24.83	22.19	20.70	22.22
35.6759	23.21	25.39	22.79	20.56	21.96
35.7824	23.34	24.51	22.62	20.00	21.21
35.8889	23.33	24.43	21.86	19.92	21.20
35.9954	23.19	24.27	21.38	20.00	21.15
36.1019	22.87	23.80	21.72	20.24	21.39
36.2084	22.73	24.16	22.39	19.98	21.34
36.3149	22.90	23.08	22.08	19.34	20.70
36.4214	23.14	23.50	21.88	19.25	20.50
36.5279	22.96	23.71	21.89	19.53	20.63
36.6344	22.86	23.82	21.68	19.19	21.01
36.7409	22.90	23.58	21.71	18.36	20.70
36.8474	22.83	22.82	21.72	18.04	20.10
36.9538	22.71	23.49	21.93	18.04	20.03
37.0603	22.79	23.46	21.61	18.11	20.40
37.1668	23.02	23.62	21.81	17.72	20.47

37.2733	22.71	22.60	21.22	17.14	19.62
37.3798	22.32	22.04	21.02	17.23	19.15
37.4863	22.35	22.72	21.40	17.34	19.48
37.5928	22.45	22.08	20.83	17.16	19.56
37.6993	22.17	22.00	21.19	17.50	18.65
37.8058	21.85	21.34	20.89	17.12	17.69
37.9123	22.01	21.78	20.55	16.82	17.84
38.0188	21.74	21.41	20.44	17.05	17.91
38.1253	21.37	20.80	20.23	16.87	17.46
38.2318	21.28	21.46	20.60	16.81	17.03
38.3383	21.28	20.99	20.63	16.36	16.78
38.4448	21.41	21.27	20.50	16.42	16.79
38.5513	21.21	20.93	20.33	16.29	16.74
38.6578	21.12	21.04	20.33	15.97	16.80
38.7643	21.15	21.18	20.04	15.77	16.68
38.8708	21.24	20.98	20.06	15.40	16.72
38.9773	21.36	21.04	20.36	15.42	16.82
39.0838	21.12	20.56	20.15	15.10	16.73
39.1902	21.16	21.16	20.15	15.01	16.67
39.2967	21.13	20.89	19.81	14.45	16.56
39.4032	20.85	20.09	19.34	14.19	16.69
39.5097	20.61	20.36	19.42	14.64	16.56
39.6162	20.53	20.68	20.09	14.40	16.55
39.7227	20.51	20.31	20.53	14.12	16.50
39.8292	20.05	20.05	19.49	13.85	16.03
39.9357	19.94	20.26	19.01	14.15	15.74
40.0422	20.03	20.23	19.50	14.06	15.80
40.1487	19.83	20.16	20.06	13.76	16.15
40.2552	19.69	20.54	19.80	13.82	15.68
40.3617	19.63	20.08	19.56	13.90	15.05
40.4682	19.84	19.98	19.75	13.89	15.20
40.5747	19.63	20.62	19.14	13.43	15.49
40.6812	19.49	20.62	19.29	13.56	15.41
40.7877	19.43	19.81	19.38	13.86	15.07
40.8942	19.29	19.79	19.30	13.83	15.12
41.0007	19.21	20.73	19.38	13.59	15.19
41.1072	19.00	19.89	19.18	13.51	15.18
41.2137	18.74	19.48	18.72	13.73	15.12
41.3202	18.33	19.79	18.25	13.44	15.09
41.4266	18.38	19.61	18.71	13.19	15.27
41.5331	18.40	19.06	18.69	13.25	15.32
41.6396	18.00	18.85	18.59	13.31	15.36
41.7461	17.81	19.55	18.15	13.17	15.34
41.8526	17.98	18.78	18.06	12.79	15.39
41.9591	18.20	18.75	18.11	12.84	15.54
42.0656	17.92	18.89	17.98	13.32	15.54
42.1721	17.94	18.90	18.40	13.53	15.54
42.2786	18.05	18.99	18.39	13.36	15.41
42.3851	17.87	18.52	18.33	13.25	15.25
42.4916	17.71	19.19	17.81	13.57	15.15
42.5981	17.77	18.74	17.74	13.94	15.08
42.7046	17.84	18.58	17.88	14.07	15.17
42.8111	17.30	18.54	17.80	13.72	14.94
42.9176	17.14	18.30	17.59	13.60	14.84
43.0241	17.32	18.50	17.39	13.85	14.99
43.1306	17.28	17.97	16.97	13.70	15.06
43.2371	17.17	18.19	16.75	13.45	15.24
43.3436	16.96	17.62	16.92	13.25	15.20
43.4501	17.01	17.55	16.74	13.28	15.30
43.5566	17.10	17.66	16.87	13.24	15.48
43.6630	17.20	17.28	16.71	13.06	15.66

43.7695	17.13	17.51	16.78	13.16	15.64
43.8760	16.91	16.88	16.40	13.16	15.52
43.9825	17.10	17.43	16.23	13.07	15.56
44.0890	17.20	16.96	16.48	13.13	15.65
44.1955	17.17	16.68	16.34	13.39	15.64
44.3020	16.91	17.08	16.39	13.36	15.33
44.4085	16.86	16.83	15.81	13.10	15.31
44.5150	16.96	16.84	15.33	13.21	15.34
44.6215	16.79	16.00	14.92	13.40	15.20
44.7280	16.68	16.42	15.46	13.28	15.30
44.8345	16.42	16.22	15.48	13.13	15.28
44.9410	16.52	15.58	14.80	13.19	15.15
45.0475	16.47	15.74	14.71	13.13	15.10
45.1540	16.17	15.53	14.60	13.23	15.26
45.2605	16.24	15.51	14.78	13.19	15.22
45.3670	16.25	15.04	14.79	13.17	15.03
45.4735	16.24	15.35	15.05	13.21	15.01
45.5800	16.03	15.33	14.86	13.21	15.09
45.6865	16.05	15.39	14.56	13.28	15.06
45.7930	16.14	15.46	14.65	13.07	14.86
45.8994	15.86	15.11	14.63	13.11	14.94
46.0059	15.86	15.25	14.36	13.23	15.06
46.1124	15.91	15.21	14.22	13.02	15.01
46.2189	15.89	15.34	14.51	12.80	15.12
46.3254	15.62	14.87	14.01	12.76	15.18
46.4319	15.52	14.78	13.69	12.78	15.15
46.5384	15.71	15.21	13.73	12.54	15.22
46.6449	15.55	14.64	13.69	12.30	15.32
46.7514	15.50	14.43	13.73	12.39	15.29
46.8579	15.36	14.66	13.85	12.43	15.19
46.9644	15.40	14.77	13.86	12.27	15.21
47.0709	15.38	14.53	13.66	12.14	15.14
47.1774	15.28	14.47	13.56	12.29	15.03
47.2839	15.33	14.60	13.76	12.47	14.98
47.3904	15.16	14.46	13.93	12.43	15.00
47.4969	15.20	14.70	13.93	12.34	14.86
47.6034	15.24	14.68	13.74	12.31	14.63
47.7099	15.18	14.60	13.47	12.52	14.75
47.8164	14.94	14.63	13.48	12.44	14.76
47.9229	14.81	14.70	13.43	12.08	14.74
48.0294	14.90	14.54	13.56	12.12	14.64
48.1358	14.68	14.22	13.32	12.13	14.58
48.2423	14.56	14.52	13.44	12.01	14.82
48.3488	14.42	14.54	13.39	11.77	14.81
48.4553	14.31	14.16	13.04	11.67	14.77
48.5618	14.29	14.05	13.09	11.79	14.69
48.6683	14.24	14.16	13.23	11.73	14.77
48.7748	14.40	14.28	13.55	11.72	14.89
48.8813	14.30	14.01	13.30	11.68	14.61
48.9878	14.17	14.28	13.03	11.69	14.63
49.0943	14.28	14.18	12.82	11.72	14.69
49.2008	14.40	14.15	12.94	11.75	14.63
49.3073	14.42	14.22	13.14	11.85	14.46
49.4138	14.29	14.00	13.01	11.74	14.40
49.5203	14.24	14.20	12.95	11.82	14.53
49.6268	14.25	14.05	12.64	11.73	14.35
49.7333	14.29	13.96	12.60	11.62	14.32
49.8398	14.18	13.87	12.73	11.67	14.28
49.9463	13.97	13.63	12.86	11.62	14.27
50.0528	14.00	13.72	12.83	11.58	14.22
50.1593	13.96	13.55	12.84	11.39	14.15

50.2658	14.01	13.56	12.70	11.41	14.19
50.3722	13.87	13.57	12.72	11.43	14.10
50.4787	13.85	13.53	12.86	11.36	14.21
50.5852	14.00	13.45	12.90	11.38	14.26
50.6917	13.95	13.53	12.84	11.42	14.17
50.7982	14.03	13.72	12.80	11.41	14.18
50.9047	14.00	13.58	13.00	11.23	14.20
51.0112	14.08	13.69	12.70	11.31	14.24
51.1177	14.04	13.60	12.50	11.40	14.10
51.2242	14.04	13.54	12.57	11.35	14.14
51.3307	14.04	13.51	12.62	11.21	14.16
51.4372	13.91	13.20	12.51	11.16	13.98
51.5437	13.96	13.18	12.26	11.25	13.96
51.6502	13.93	13.12	12.25	11.24	13.95
51.7567	13.89	12.94	11.99	11.28	14.01
51.8632	13.88	12.65	11.84	11.29	13.89
51.9697	13.91	12.56	12.17	11.28	13.78
52.0762	13.87	12.83	12.34	11.34	13.80
52.1827	13.81	12.59	12.07	11.37	13.79
52.2892	13.93	12.75	11.83	11.37	13.78
52.3957	13.89	12.75	11.98	11.38	13.70
52.5022	13.82	12.87	12.29	11.41	13.67
52.6086	13.77	12.98	12.38	11.37	13.66
52.7151	13.81	12.85	12.28	11.27	13.73
52.8216	13.78	13.14	12.41	11.34	13.72
52.9281	13.70	12.99	12.07	11.28	13.58
53.0346	13.78	13.20	11.97	11.12	13.67
53.1411	13.76	12.91	12.17	11.04	13.70
53.2476	13.71	12.68	12.13	11.10	13.71
53.3541	13.70	12.86	11.96	11.05	13.60
53.4606	13.74	12.79	11.88	10.88	13.59
53.5671	13.77	12.64	11.86	10.87	13.69
53.6736	13.73	12.27	11.61	10.95	13.55
53.7801	13.75	12.73	11.79	11.05	13.54
53.8866	13.78	12.51	12.05	10.97	13.54
53.9931	13.73	12.46	11.86	10.98	13.54
54.0996	13.67	12.67	11.79	11.05	13.42
54.2061	13.71	12.76	11.83	11.08	13.39
54.3126	13.79	12.92	11.94	11.09	13.39
54.4191	13.75	12.81	11.82	10.93	13.26
54.5256	13.63	12.98	11.87	10.96	13.30
54.6321	13.60	12.87	12.03	10.88	13.27
54.7386	13.66	12.94	11.85	10.80	13.27
54.8451	13.69	13.12	11.83	10.66	13.25
54.9515	13.59	12.73	11.58	10.62	13.22
55.0580	13.55	12.69	11.79	10.74	13.24
55.1645	13.54	12.84	11.88	10.59	13.21
55.2710	13.55	12.91	11.93	10.59	13.25
55.3775	13.52	12.60	11.86	10.62	13.16
55.4840	13.39	12.63	11.81	10.66	13.08
55.5905	13.45	13.07	11.96	10.65	13.02
55.6970	13.43	12.89	11.75	10.57	12.99
55.8035	13.38	12.76	11.99	10.60	12.96
55.9100	13.33	12.92	11.99	10.55	12.89
56.0165	13.33	13.12	11.89	10.52	12.89
56.1230	13.43	13.03	11.66	10.40	12.85
56.2295	13.41	12.92	11.78	10.37	12.86
56.3360	13.43	13.03	11.70	10.38	12.88
56.4425	13.48	12.87	11.77	10.28	12.83
56.5490	13.57	12.98	11.82	10.26	12.83
56.6555	13.54	12.85	11.67	10.22	12.84

56.7620	13.47	12.76	11.65	10.29	12.79
56.8685	13.54	12.81	11.70	10.29	12.71
56.9750	13.58	12.79	11.86	10.21	12.66
57.0815	13.56	12.84	11.90	10.22	12.61
57.1879	13.39	12.73	11.84	10.26	12.56
57.2944	13.35	12.86	11.97	10.27	12.56
57.4009	13.43	13.01	11.95	10.12	12.52
57.5074	13.41	13.00	12.01	10.10	12.44
57.6139	13.37	13.02	11.99	10.10	12.42
57.7204	13.35	13.14	11.96	10.04	12.47
57.8269	13.38	13.19	12.00	9.99	12.51
57.9334	13.39	13.08	11.95	9.86	12.41
58.0399	13.39	13.02	12.03	9.92	12.43
58.1464	13.43	13.07	12.02	9.91	12.49
58.2529	13.46	12.98	11.91	9.87	12.44
58.3594	13.49	12.81	11.94	9.97	12.39
58.4659	13.47	12.71	11.81	9.98	12.34
58.5724	13.45	12.81	12.01	10.04	12.38
58.6789	13.47	12.72	12.00	10.03	12.31
58.7854	13.52	12.60	11.71	10.09	12.24
58.8919	13.49	12.68	11.76	10.14	12.19
58.9984	13.41	12.70	11.76	10.12	12.14
59.1049	13.42	12.83	11.80	10.09	12.18
59.2114	13.42	12.67	11.62	9.97	12.17
59.3179	13.37	12.84	11.72	10.07	12.19
59.4243	13.31	12.90	11.72	10.03	12.19
59.5308	13.39	12.80	11.72	9.99	12.24
59.6373	13.45	13.01	11.88	9.92	12.25
59.7438	13.41	12.82	11.90	9.92	12.23
59.8503	13.35	12.93	12.01	10.01	12.30
59.9568	13.31	12.88	11.89	9.92	12.31
60.0633	13.47	12.87	11.96	9.94	12.27
60.1698	13.39	12.76	12.16	9.99	12.16
60.2763	13.37	12.69	12.08	10.04	12.16
60.3828	13.42	12.93	12.03	10.01	12.20
60.4893	13.36	12.66	11.86	9.97	12.15
60.5958	13.34	12.65	11.88	10.05	12.14
60.7023	13.29	12.75	11.81	10.07	12.14
60.8088	13.37	12.80	11.88	10.05	12.16
60.9153	13.44	12.76	11.81	10.00	12.15
61.0218	13.37	12.72	11.59	9.99	12.12
61.1283	13.34	12.93	11.62	10.01	12.18
61.2348	13.31	12.77	11.74	9.93	12.20
61.3413	13.41	12.83	11.76	9.87	12.21
61.4478	13.41	12.83	11.67	9.94	12.17
61.5543	13.38	12.69	11.63	9.98	12.14
61.6607	13.36	12.80	11.86	9.97	12.20
61.7672	13.32	12.73	11.78	9.89	12.21
61.8737	13.34	12.75	11.69	9.89	12.17
61.9802	13.28	12.51	11.86	10.04	12.13
62.0867	13.34	12.75	11.78	10.01	12.14
62.1932	13.33	12.84	11.82	9.97	12.14
62.2997	13.23	12.61	11.79	9.94	12.07
62.4062	13.14	12.78	11.90	9.93	12.06
62.5127	13.13	12.84	11.79	9.90	12.15
62.6192	13.18	12.89	11.73	9.87	12.14
62.7257	13.11	12.70	11.69	9.83	12.09
62.8322	13.09	12.82	11.73	9.89	12.09
62.9387	13.08	12.87	11.77	9.85	12.05
63.0452	13.15	12.72	11.70	9.79	12.13
63.1517	13.19	12.83	11.76	9.78	12.08

63.2582	13.16	12.70	11.55	9.85	12.03
63.3647	13.22	12.68	11.61	9.95	12.08
63.4712	13.28	12.59	11.72	9.86	12.02
63.5777	13.28	12.67	11.68	9.85	11.98
63.6842	13.32	12.56	11.54	9.82	11.93
63.7907	13.26	12.58	11.49	9.85	11.97
63.8971	13.23	12.68	11.74	9.87	12.05
64.0036	13.24	12.53	11.74	9.77	11.98
64.1101	13.22	12.64	11.74	9.81	11.93
64.2166	13.21	12.66	11.80	9.70	11.90
64.3231	13.16	12.75	11.84	9.62	11.98
64.4296	13.13	12.77	11.86	9.57	11.97
64.5361	13.06	12.71	11.76	9.57	11.95
64.6426	13.10	12.73	11.77	9.59	11.93
64.7491	13.18	12.66	11.71	9.48	11.88
64.8556	13.18	12.70	11.80	9.52	11.92
64.9621	13.14	12.71	11.89	9.54	11.89
65.0686	13.11	12.65	11.70	9.56	11.91
65.1751	13.25	12.58	11.68	9.60	11.88
65.2816	13.22	12.48	11.70	9.58	11.82
65.3881	13.23	12.47	11.69	9.70	11.78
65.4946	13.21	12.56	11.67	9.69	11.74
65.6011	13.20	12.52	11.79	9.70	11.75
65.7076	13.13	12.45	11.70	9.63	11.72
65.8141	13.10	12.46	11.46	9.63	11.68
65.9206	13.15	12.43	11.67	9.69	11.69
66.0271	13.07	12.39	11.67	9.64	11.73
66.1335	13.08	12.40	11.62	9.61	11.83
66.2400	13.06	12.43	11.62	9.56	11.80
66.3465	13.10	12.41	11.57	9.58	11.83
66.4530	13.15	12.43	11.50	9.57	11.92
66.5595	13.14	12.39	11.45	9.52	11.90
66.6660	13.15	12.41	11.57	9.60	11.96
66.7725	13.10	12.47	11.59	9.61	11.90
66.8790	13.11	12.49	11.56	9.61	11.89
66.9855	13.09	12.51	11.54	9.54	11.92
67.0920	13.07	12.46	11.52	9.61	11.90
67.1985	13.00	12.55	11.61	9.76	11.89
67.3050	12.97	12.49	11.68	9.65	11.85
67.4115	13.00	12.46	11.74	9.66	11.87
67.5180	12.97	12.46	11.61	9.67	11.85
67.6245	13.01	12.51	11.53	9.68	11.88
67.7310	13.00	12.58	11.56	9.66	11.91
67.8375	13.02	12.34	11.59	9.59	11.94
67.9440	13.01	12.37	11.47	9.64	11.98
68.0505	13.01	12.37	11.37	9.63	11.93
68.1570	13.07	12.35	11.39	9.66	12.01
68.2635	13.09	12.38	11.39	9.64	12.01
68.3699	13.07	12.36	11.30	9.67	12.03
68.4764	13.01	12.36	11.13	9.77	12.06
68.5829	13.04	12.27	11.27	9.78	12.02
68.6894	13.05	12.43	11.27	9.78	12.00
68.7959	12.97	12.47	11.25	9.70	11.97
68.9024	12.91	12.43	11.28	9.79	12.01
69.0089	12.83	12.52	11.32	9.80	12.00
69.1154	12.89	12.54	11.17	9.72	11.99
69.2219	12.86	12.36	11.22	9.71	12.01
69.3284	12.79	12.38	11.37	9.72	12.05
69.4349	12.80	12.56	11.39	9.74	12.08
69.5414	12.78	12.41	11.32	9.71	12.08
69.6479	12.80	12.33	11.25	9.75	12.11

69.7544	12.81	12.36	11.23	9.76	12.06
69.8609	12.85	12.39	11.27	9.76	12.06
69.9674	12.85	12.35	11.42	9.79	12.01
70.0739	12.80	12.33	11.38	9.79	11.98
70.1804	12.80	12.51	11.17	9.89	11.97
70.2869	12.81	12.35	11.06	9.86	11.92
70.3934	12.87	12.35	11.19	9.84	11.94
70.4999	12.86	12.42	11.17	9.85	11.93
70.6063	12.83	12.27	11.08	9.84	12.02
70.7128	12.80	12.37	11.08	9.82	12.05
70.8193	12.83	12.31	11.07	9.76	12.04
70.9258	12.92	12.35	11.11	9.64	12.06
71.0323	12.85	12.25	11.12	9.63	12.11
71.1388	12.83	12.30	11.27	9.62	12.17
71.2453	12.86	12.32	11.32	9.53	12.16
71.3518	12.85	12.22	11.24	9.48	12.13
71.4583	12.85	12.30	11.28	9.53	12.09
71.5648	12.79	12.26	11.30	9.52	12.10
71.6713	12.83	12.31	11.38	9.53	12.06
71.7778	12.84	12.27	11.25	9.58	12.01
71.8843	12.81	12.25	11.19	9.63	11.99
71.9908	12.81	12.26	11.20	9.63	11.92
72.0973	12.80	12.31	11.19	9.61	11.90
72.2038	12.80	12.35	11.16	9.63	11.88
72.3103	12.77	12.22	10.99	9.66	11.86
72.4168	12.77	12.24	10.97	9.65	11.89
72.5233	12.80	12.14	11.07	9.58	11.87
72.6298	12.78	12.08	11.12	9.57	11.87
72.7363	12.74	12.10	11.07	9.55	11.90
72.8427	12.72	12.10	11.07	9.55	11.92
72.9492	12.73	12.05	11.16	9.59	11.92
73.0557	12.78	11.92	11.11	9.51	11.84
73.1622	12.80	11.98	11.21	9.54	11.86
73.2687	12.74	12.01	11.29	9.57	11.84
73.3752	12.71	12.01	11.22	9.56	11.81
73.4817	12.77	12.07	11.05	9.54	11.81
73.5882	12.76	12.05	10.93	9.53	11.80
73.6947	12.77	12.01	11.08	9.62	11.85
73.8012	12.74	12.09	11.13	9.56	11.88
73.9077	12.75	12.10	11.11	9.51	11.91
74.0142	12.74	12.13	10.94	9.49	11.94
74.1207	12.73	12.17	10.87	9.52	11.94
74.2272	12.77	12.19	11.05	9.48	11.97
74.3337	12.74	12.11	11.16	9.36	11.95
74.4402	12.74	12.11	11.27	9.43	11.92
74.5467	12.71	12.15	11.13	9.41	11.90
74.6532	12.71	12.10	11.21	9.41	11.91
74.7597	12.75	12.04	11.15	9.43	11.89
74.8662	12.79	12.01	11.15	9.48	11.85
74.9727	12.81	12.00	11.21	9.59	11.87
75.0791	12.72	11.98	11.21	9.62	11.87
75.1856	12.80	11.96	11.11	9.67	11.89
75.2921	12.83	12.02	10.97	9.64	11.87
75.3986	12.80	11.99	10.93	9.65	11.88
75.5051	12.78	12.07	10.98	9.68	11.92
75.6116	12.75	12.10	10.98	9.64	11.93
75.7181	12.77	12.04	10.95	9.58	11.95
75.8246	12.66	12.05	10.87	9.53	11.94
75.9311	12.65	12.05	11.07	9.50	11.96
76.0376	12.64	12.13	10.98	9.51	12.01
76.1441	12.57	12.02	10.86	9.50	12.03

76.2506	12.56	12.01	10.95	9.55	12.02
76.3571	12.54	12.04	11.11	9.53	12.00
76.4636	12.64	11.93	11.08	9.54	12.02
76.5701	12.56	11.98	11.01	9.59	11.96
76.6766	12.56	12.02	10.97	9.67	11.91
76.7831	12.61	12.08	10.98	9.74	11.92
76.8896	12.62	12.00	10.97	9.72	11.88
76.9961	12.69	12.01	11.09	9.71	11.83
77.1026	12.63	12.05	11.06	9.72	11.82
77.2091	12.61	12.04	10.99	9.75	11.86
77.3155	12.57	12.10	11.03	9.73	11.84
77.4220	12.59	12.13	11.01	9.69	11.86
77.5285	12.65	12.13	11.08	9.62	11.86
77.6350	12.64	12.04	11.14	9.57	11.91
77.7415	12.64	12.17	11.15	9.54	11.95
77.8480	12.60	12.07	11.03	9.49	11.96
77.9545	12.64	12.05	10.99	9.48	11.99
78.0610	12.63	12.07	11.10	9.45	11.94
78.1675	12.72	12.05	11.19	9.43	11.98
78.2740	12.75	12.02	11.10	9.46	12.02
78.3805	12.69	11.99	11.05	9.52	11.96
78.4870	12.66	12.10	11.14	9.53	11.93
78.5935	12.69	12.07	11.20	9.48	11.88
78.7000	12.72	12.06	11.22	9.47	11.87
78.8065	12.71	12.15	11.17	9.49	11.79
78.9130	12.66	12.15	11.18	9.49	11.78
79.0195	12.65	12.15	11.18	9.45	11.78
79.1260	12.63	12.07	11.12	9.40	11.73
79.2325	12.63	12.12	11.17	9.38	11.74
79.3390	12.62	12.05	11.14	9.39	11.75
79.4455	12.63	12.04	11.15	9.39	11.78
79.5519	12.65	11.96	11.00	9.41	11.73
79.6584	12.62	11.91	11.04	9.42	11.70
79.7649	12.64	11.93	11.09	9.41	11.70
79.8714	12.64	11.84	11.16	9.43	11.67
79.9779	12.63	11.92	11.11	9.42	11.66
80.0844	12.62	11.87	11.04	9.46	11.60
80.1909	12.59	11.90	11.08	9.48	11.57
80.2974	12.62	11.90	11.25	9.45	11.54
80.4039	12.63	11.90	11.26	9.37	11.60
80.5104	12.60	12.01	11.22	9.35	11.67
80.6169	12.62	11.98	11.10	9.34	11.65
80.7234	12.67	12.07	11.14	9.34	11.71
80.8299	12.69	11.97	11.10	9.28	11.71
80.9364	12.70	11.94	11.16	9.22	11.73
81.0429	12.70	12.03	11.19	9.23	11.74
81.1494	12.69	12.07	11.10	9.19	11.74
81.2559	12.71	12.01	10.97	9.18	11.75
81.3624	12.71	11.90	11.00	9.21	11.69
81.4689	12.69	11.95	11.14	9.30	11.64
81.5754	12.69	11.96	11.21	9.32	11.61
81.6819	12.67	11.92	11.21	9.32	11.60
81.7883	12.69	11.97	11.19	9.37	11.59
81.8948	12.70	12.01	11.06	9.41	11.57
82.0013	12.70	12.00	11.24	9.41	11.56
82.1078	12.73	11.96	11.19	9.36	11.54
82.2143	12.73	12.03	11.19	9.34	11.57
82.3208	12.69	12.04	11.12	9.33	11.60
82.4273	12.68	12.04	11.09	9.31	11.62
82.5338	12.77	12.04	11.10	9.30	11.68
82.6403	12.73	11.97	11.04	9.29	11.68

82.7468	12.67	11.94	11.07	9.31	11.69
82.8533	12.64	11.99	11.08	9.33	11.70
82.9598	12.66	11.98	11.13	9.33	11.69
83.0663	12.62	11.92	11.00	9.34	11.69
83.1728	12.61	11.90	11.02	9.38	11.64
83.2793	12.61	12.02	11.08	9.45	11.63
83.3858	12.60	11.99	11.08	9.43	11.59
83.4923	12.60	11.88	11.01	9.45	11.59
83.5988	12.57	11.97	11.01	9.44	11.61
83.7053	12.62	11.99	11.00	9.49	11.60
83.8118	12.65	11.95	10.94	9.49	11.63
83.9183	12.62	12.00	10.92	9.45	11.63
84.0247	12.63	12.01	11.01	9.48	11.66
84.1312	12.62	12.09	10.92	9.46	11.65
84.2377	12.70	12.03	10.96	9.43	11.64
84.3442	12.70	12.12	10.96	9.41	11.66
84.4507	12.63	12.12	10.99	9.46	11.62
84.5572	12.60	12.10	11.07	9.48	11.61
84.6637	12.63	12.13	11.16	9.41	11.60
84.7702	12.68	12.09	11.16	9.40	11.65
84.8767	12.65	12.07	11.03	9.43	11.63
84.9832	12.62	12.06	11.06	9.44	11.66
85.0897	12.60	12.11	11.17	9.42	11.68
85.1962	12.62	12.00	11.10	9.37	11.67
85.3027	12.68	12.05	11.03	9.35	11.70
85.4092	12.68	12.10	10.96	9.33	11.72
85.5157	12.70	12.09	10.96	9.27	11.77
85.6222	12.64	12.14	10.94	9.26	11.72
85.7287	12.64	12.05	11.02	9.27	11.67
85.8352	12.66	12.16	11.05	9.27	11.69
85.9417	12.68	12.10	10.98	9.26	11.67
86.0482	12.71	12.10	11.01	9.26	11.65
86.1547	12.64	12.12	11.01	9.30	11.64
86.2611	12.59	12.06	11.14	9.40	11.62
86.3676	12.59	12.10	11.15	9.39	11.53
86.4741	12.64	12.00	11.17	9.36	11.49
86.5806	12.65	12.02	11.11	9.39	11.51
86.6871	12.57	12.01	11.07	9.41	11.46
86.7936	12.56	12.01	11.12	9.39	11.44
86.9001	12.55	11.98	11.12	9.35	11.42
87.0066	12.56	12.00	11.05	9.31	11.43
87.1131	12.53	12.01	10.98	9.30	11.45
87.2196	12.54	12.03	10.98	9.28	11.51
87.3261	12.56	12.11	11.09	9.24	11.55
87.4326	12.54	12.08	11.05	9.20	11.49
87.5391	12.54	12.10	11.08	9.21	11.49
87.6456	12.60	12.09	11.13	9.14	11.52
87.7521	12.63	12.13	11.15	9.12	11.54
87.8586	12.62	12.10	11.11	9.14	11.50
87.9651	12.65	12.03	11.13	9.19	11.46
88.0716	12.65	12.07	11.26	9.19	11.46
88.1781	12.66	11.98	11.17	9.14	11.42
88.2846	12.69	11.97	11.07	9.16	11.47
88.3911	12.67	12.02	11.07	9.22	11.50
88.4975	12.66	11.99	11.04	9.24	11.45
88.6040	12.64	11.96	11.06	9.19	11.42
88.7105	12.61	11.92	11.09	9.14	11.40
88.8170	12.60	12.06	11.05	9.15	11.44
88.9235	12.58	12.04	11.01	9.10	11.47
89.0300	12.60	12.05	11.02	9.08	11.47
89.1365	12.60	12.04	11.04	9.08	11.43

89.2430	12.58	11.99	11.01	9.11	11.40
89.3495	12.57	12.01	11.12	9.13	11.45
89.4560	12.59	12.00	11.14	9.12	11.49
89.5625	12.62	12.06	11.12	9.17	11.52
89.6690	12.60	11.94	11.02	9.22	11.47
89.7755	12.58	11.95	11.09	9.25	11.46
89.8820	12.58	11.93	11.15	9.25	11.44
89.9885	12.58	11.94	11.08	9.24	11.42
90.0950	12.55	11.95	11.06	9.25	11.45
90.2015	12.50	11.98	11.01	9.26	11.48
90.3080	12.52	11.94	10.90	9.24	11.46
90.4145	12.49	11.85	10.88	9.22	11.51
90.5210	12.46	11.90	10.89	9.22	11.53
90.6275	12.47	11.94	10.89	9.23	11.58
90.7339	12.49	11.88	10.87	9.21	11.59
90.8404	12.53	11.87	10.79	9.21	11.61
90.9469	12.54	11.92	10.82	9.20	11.61
91.0534	12.57	11.88	10.86	9.24	11.56
91.1599	12.57	11.92	10.98	9.24	11.56
91.2664	12.60	11.92	11.04	9.25	11.54
91.3729	12.62	11.91	10.93	9.33	11.52
91.4794	12.59	11.95	10.97	9.36	11.51
91.5859	12.60	11.93	11.08	9.40	11.51
91.6924	12.51	11.96	11.14	9.38	11.51
91.7989	12.49	11.95	11.12	9.41	11.50
91.9054	12.50	12.01	11.00	9.41	11.56
92.0119	12.49	11.99	11.02	9.35	11.58
92.1184	12.48	11.97	10.97	9.28	11.60
92.2249	12.45	11.97	10.95	9.25	11.63
92.3314	12.46	11.95	10.97	9.24	11.69
92.4379	12.48	11.94	10.92	9.19	11.72
92.5444	12.56	11.88	10.82	9.21	11.74
92.6509	12.57	11.93	10.79	9.21	11.79
92.7574	12.56	11.89	10.92	9.26	11.75
92.8639	12.53	11.88	10.96	9.31	11.70
92.9703	12.54	11.86	10.98	9.36	11.67
93.0768	12.59	11.87	10.92	9.42	11.65
93.1833	12.55	11.91	10.89	9.46	11.59
93.2898	12.52	11.90	10.97	9.50	11.53
93.3963	12.49	11.87	11.00	9.50	11.52
93.5028	12.45	11.88	11.01	9.49	11.46
93.6093	12.44	11.88	10.87	9.47	11.47
93.7158	12.46	11.88	10.85	9.38	11.51
93.8223	12.44	11.82	10.84	9.32	11.59
93.9288	12.42	11.90	10.85	9.29	11.62
94.0353	12.40	11.83	10.86	9.30	11.63
94.1418	12.43	11.87	10.79	9.26	11.63
94.2483	12.47	11.87	10.81	9.20	11.62
94.3548	12.49	11.86	10.80	9.21	11.64
94.4613	12.47	11.90	10.90	9.24	11.63
94.5678	12.48	11.94	11.00	9.23	11.57
94.6743	12.48	11.92	11.02	9.26	11.50
94.7808	12.49	11.88	10.93	9.27	11.48
94.8873	12.50	11.92	10.90	9.32	11.52
94.9938	12.51	11.92	11.00	9.31	11.51
95.1003	12.51	11.89	11.01	9.30	11.54
95.2067	12.51	11.82	10.90	9.23	11.53
95.3132	12.52	11.83	10.85	9.21	11.54
95.4197	12.52	11.88	10.79	9.17	11.54
95.5262	12.56	11.77	10.81	9.08	11.60
95.6327	12.56	11.81	10.79	9.05	11.62

95.7392	12.52	11.79	10.81	9.06	11.59
95.8457	12.50	11.80	10.79	9.05	11.56
95.9522	12.50	11.78	10.85	9.04	11.55
96.0587	12.53	11.81	10.90	9.12	11.59
96.1652	12.52	11.87	10.89	9.21	11.56
96.2717	12.47	11.85	10.93	9.25	11.53
96.3782	12.46	11.86	10.91	9.25	11.46
96.4847	12.43	11.82	10.91	9.25	11.43
96.5912	12.44	11.87	10.98	9.27	11.47
96.6977	12.44	11.90	10.92	9.28	11.48
96.8042	12.44	11.87	10.94	9.23	11.46
96.9107	12.39	11.82	10.77	9.18	11.46
97.0172	12.38	11.75	10.75	9.16	11.50
97.1237	12.35	11.79	10.87	9.14	11.54
97.2302	12.37	11.77	10.81	9.10	11.59
97.3367	12.40	11.76	10.79	9.09	11.63
97.4431	12.38	11.75	10.68	9.12	11.60
97.5496	12.36	11.77	10.73	9.15	11.57
97.6561	12.38	11.78	10.79	9.17	11.54
97.7626	12.42	11.73	10.86	9.20	11.56
97.8691	12.44	11.84	10.84	9.26	11.54
97.9756	12.43	11.80	10.76	9.29	11.54
98.0821	12.46	11.82	10.77	9.32	11.52
98.1886	12.47	11.81	10.83	9.33	11.49
98.2951	12.44	11.80	10.87	9.32	11.51
98.4016	12.42	11.84	10.83	9.32	11.56
98.5081	12.44	11.84	10.78	9.30	11.61
98.6146	12.44	11.86	10.76	9.25	11.58
98.7211	12.42	11.83	10.82	9.21	11.59
98.8276	12.39	11.87	10.92	9.17	11.62
98.9341	12.41	11.89	10.90	9.15	11.61
99.0406	12.40	11.86	10.86	9.13	11.64
99.1471	12.43	11.86	10.82	9.19	11.64
99.2536	12.43	11.88	10.89	9.23	11.64
99.3601	12.43	11.87	11.00	9.24	11.61
99.4666	12.43	11.82	10.95	9.28	11.63
99.5731	12.45	11.85	10.86	9.34	11.68
99.6795	12.47	11.88	10.82	9.40	11.65
99.7860	12.48	11.84	10.77	9.40	11.63
99.8925	12.49	11.85	10.83	9.40	11.60
99.9990	12.46	11.82	10.82	9.38	11.61
100.1055	12.44	11.81	10.79	9.35	11.60
100.2120	12.44	11.81	10.69	9.30	11.62
100.3185	12.45	11.79	10.66	9.25	11.62
100.4250	12.44	11.73	10.70	9.25	11.61
100.5315	12.37	11.73	10.74	9.28	11.66
100.6380	12.37	11.70	10.78	9.24	11.66
100.7445	12.38	11.69	10.71	9.25	11.65
100.8510	12.41	11.70	10.72	9.29	11.63
100.9575	12.43	11.72	10.76	9.33	11.62
101.0640	12.39	11.72	10.84	9.36	11.58
101.1705	12.41	11.72	10.86	9.38	11.57
101.2770	12.41	11.77	10.87	9.38	11.54
101.3835	12.43	11.79	10.82	9.40	11.52
101.4900	12.45	11.83	10.84	9.38	11.54
101.5965	12.43	11.84	10.93	9.35	11.56
101.7030	12.41	11.85	10.92	9.33	11.59
101.8095	12.38	11.86	10.91	9.30	11.58
101.9159	12.40	11.85	10.87	9.23	11.60
102.0224	12.44	11.83	10.85	9.19	11.60
102.1289	12.45	11.78	10.85	9.15	11.63

102.2354	12.45	11.76	10.85	9.14	11.63
102.3419	12.46	11.76	10.89	9.15	11.60
102.4484	12.49	11.74	10.82	9.14	11.58
102.5549	12.53	11.67	10.76	9.16	11.52
102.6614	12.53	11.70	10.83	9.21	11.53
102.7679	12.53	11.71	10.88	9.24	11.54
102.8744	12.53	11.72	10.90	9.26	11.50
102.9809	12.51	11.79	10.90	9.27	11.45
103.0874	12.50	11.80	10.94	9.28	11.43
103.1939	12.46	11.84	10.95	9.27	11.43
103.3004	12.44	11.85	10.94	9.19	11.41
103.4069	12.41	11.89	10.96	9.15	11.44
103.5134	12.39	11.86	10.96	9.10	11.43
103.6199	12.39	11.87	10.90	9.06	11.46
103.7264	12.38	11.84	10.84	9.03	11.46
103.8329	12.37	11.74	10.85	9.01	11.52
103.9394	12.38	11.81	10.80	9.04	11.54
104.0459	12.38	11.74	10.79	9.06	11.49
104.1523	12.40	11.72	10.79	9.11	11.49
104.2588	12.43	11.68	10.80	9.13	11.44
104.3653	12.45	11.69	10.82	9.14	11.39
104.4718	12.43	11.77	10.86	9.20	11.38
104.5783	12.45	11.73	10.87	9.23	11.36
104.6848	12.43	11.79	10.87	9.24	11.30
104.7913	12.43	11.79	10.93	9.25	11.28
104.8978	12.41	11.82	10.95	9.22	11.35
105.0043	12.43	11.83	10.90	9.18	11.40
105.1108	12.44	11.87	10.89	9.14	11.46
105.2173	12.40	11.85	10.87	9.11	11.49
105.3238	12.41	11.78	10.87	9.05	11.51
105.4303	12.44	11.85	10.82	8.98	11.50
105.5368	12.45	11.76	10.80	8.97	11.53
105.6433	12.47	11.80	10.77	8.98	11.58
105.7498	12.47	11.80	10.80	9.00	11.54
105.8563	12.47	11.78	10.84	9.03	11.48
105.9628	12.46	11.78	10.91	9.09	11.43
106.0693	12.46	11.80	10.97	9.14	11.43
106.1758	12.46	11.89	10.90	9.20	11.41
106.2823	12.45	11.87	10.94	9.23	11.39
106.3887	12.44	11.86	11.00	9.24	11.38
106.4952	12.42	11.90	11.04	9.22	11.32
106.6017	12.41	11.93	11.05	9.21	11.35
106.7082	12.43	11.94	10.94	9.18	11.41
106.8147	12.43	11.84	10.86	9.12	11.45
106.9212	12.43	11.86	10.84	9.10	11.45
107.0277	12.43	11.79	10.86	9.08	11.48
107.1342	12.43	11.76	10.84	9.07	11.52
107.2407	12.42	11.76	10.77	9.06	11.55
107.3472	12.42	11.71	10.77	9.12	11.57
107.4537	12.43	11.72	10.79	9.18	11.53
107.5602	12.45	11.70	10.83	9.21	11.47
107.6667	12.44	11.72	10.86	9.26	11.39
107.7732	12.42	11.74	10.95	9.29	11.38
107.8797	12.42	11.80	10.94	9.32	11.37
107.9862	12.42	11.82	10.88	9.32	11.34
108.0927	12.43	11.82	10.91	9.34	11.34
108.1992	12.44	11.86	10.97	9.35	11.34
108.3057	12.41	11.87	10.90	9.33	11.41
108.4122	12.39	11.91	10.88	9.27	11.46
108.5187	12.42	11.89	10.89	9.19	11.51
108.6251	12.45	11.88	10.86	9.16	11.55

108.7316	12.45	11.88	10.81	9.13	11.55
108.8381	12.43	11.87	10.86	9.12	11.54
108.9446	12.44	11.87	10.89	9.09	11.53
109.0511	12.46	11.80	10.93	9.10	11.51
109.1576	12.48	11.82	10.90	9.12	11.48
109.2641	12.49	11.83	10.93	9.16	11.46
109.3706	12.49	11.79	10.93	9.19	11.40
109.4771	12.47	11.79	10.96	9.24	11.40
109.5836	12.47	11.83	10.96	9.28	11.37
109.6901	12.52	11.85	10.93	9.30	11.38
109.7966	12.53	11.86	10.83	9.24	11.39
109.9031	12.49	11.82	10.82	9.17	11.40
110.0096	12.47	11.87	10.85	9.14	11.43
110.1161	12.48	11.85	10.86	9.09	11.43
110.2226	12.49	11.86	10.83	9.03	11.44
110.3291	12.46	11.85	10.76	8.99	11.48
110.4356	12.43	11.80	10.76	8.98	11.50
110.5421	12.39	11.81	10.79	8.99	11.51
110.6486	12.39	11.78	10.86	9.03	11.49
110.7551	12.40	11.76	10.94	9.07	11.46
110.8615	12.39	11.76	10.89	9.14	11.37
110.9680	12.41	11.76	10.82	9.18	11.33
111.0745	12.40	11.76	10.88	9.20	11.28
111.1810	12.38	11.77	10.94	9.23	11.25
111.2875	12.40	11.81	10.98	9.23	11.25
111.3940	12.40	11.79	10.91	9.23	11.24
111.5005	12.40	11.83	10.85	9.21	11.25
111.6070	12.41	11.82	10.82	9.17	11.26
111.7135	12.42	11.85	10.85	9.14	11.35
111.8200	12.38	11.87	10.88	9.09	11.38
111.9265	12.38	11.85	10.84	9.02	11.38
112.0330	12.40	11.85	10.77	8.95	11.41
112.1395	12.42	11.82	10.80	8.95	11.41
112.2460	12.42	11.85	10.87	8.94	11.43
112.3525	12.43	11.82	10.93	8.93	11.39
112.4590	12.45	11.79	10.89	8.93	11.38
112.5655	12.44	11.77	10.88	8.97	11.35
112.6720	12.47	11.77	10.84	9.02	11.33
112.7785	12.49	11.81	10.88	9.09	11.36
112.8850	12.49	11.79	10.94	9.11	11.36
112.9915	12.43	11.84	10.98	9.13	11.34
113.0979	12.41	11.84	10.86	9.10	11.32
113.2044	12.43	11.88	10.82	9.06	11.33
113.3109	12.44	11.89	10.88	9.05	11.32
113.4174	12.42	11.89	10.86	9.02	11.36
113.5239	12.39	11.89	10.85	8.98	11.38
113.6304	12.37	11.84	10.87	8.94	11.37
113.7369	12.38	11.85	10.79	8.94	11.39
113.8434	12.37	11.80	10.80	8.97	11.39
113.9499	12.38	11.79	10.78	9.02	11.45
114.0564	12.38	11.72	10.81	9.09	11.42
114.1629	12.37	11.71	10.80	9.11	11.39
114.2694	12.38	11.73	10.78	9.17	11.35
114.3759	12.38	11.72	10.81	9.23	11.34
114.4824	12.38	11.77	10.82	9.28	11.32
114.5889	12.35	11.76	10.81	9.26	11.33
114.6954	12.37	11.76	10.80	9.25	11.33
114.8019	12.38	11.79	10.80	9.22	11.30
114.9084	12.35	11.80	10.80	9.16	11.36
115.0149	12.34	11.83	10.81	9.12	11.40
115.1214	12.33	11.81	10.83	9.10	11.47

115.2279	12.34	11.83	10.76	9.09	11.50
115.3343	12.36	11.77	10.73	9.06	11.49
115.4408	12.38	11.81	10.77	9.02	11.50
115.5473	12.40	11.78	10.78	9.03	11.48
115.6538	12.40	11.75	10.79	9.07	11.52
115.7603	12.43	11.76	10.75	9.11	11.48
115.8668	12.45	11.75	10.78	9.18	11.44
115.9733	12.43	11.78	10.77	9.21	11.38
116.0798	12.41	11.76	10.86	9.24	11.39
116.1863	12.38	11.81	10.93	9.26	11.44
116.2928	12.41	11.83	10.91	9.26	11.43
116.3993	12.41	11.82	10.87	9.24	11.46
116.5058	12.41	11.86	10.79	9.21	11.44
116.6123	12.36	11.81	10.91	9.16	11.44
116.7188	12.35	11.83	10.91	9.09	11.48
116.8253	12.37	11.79	10.85	9.05	11.54
116.9318	12.40	11.79	10.78	9.02	11.56
117.0383	12.40	11.75	10.67	9.03	11.55
117.1448	12.39	11.70	10.71	9.07	11.54
117.2513	12.36	11.68	10.69	9.13	11.51
117.3578	12.37	11.67	10.76	9.19	11.52
117.4643	12.38	11.69	10.69	9.27	11.48
117.5707	12.38	11.69	10.65	9.32	11.44
117.6772	12.35	11.68	10.67	9.31	11.40
117.7837	12.31	11.70	10.76	9.36	11.38
117.8902	12.31	11.73	10.85	9.35	11.37
117.9967	12.29	11.75	10.83	9.30	11.37
118.1032	12.30	11.76	10.75	9.23	11.39
118.2097	12.30	11.77	10.69	9.20	11.44
118.3162	12.27	11.75	10.75	9.14	11.49
118.4227	12.27	11.76	10.83	9.08	11.49
118.5292	12.29	11.75	10.76	9.05	11.53
118.6357	12.32	11.72	10.70	9.02	11.53
118.7422	12.33	11.71	10.61	9.03	11.48
118.8487	12.33	11.68	10.68	9.04	11.47
118.9552	12.35	11.69	10.74	9.07	11.42
119.0617	12.37	11.69	10.75	9.11	11.40
119.1682	12.36	11.71	10.71	9.14	11.35
119.2747	12.38	11.70	10.73	9.18	11.36
119.3812	12.39	11.73	10.77	9.20	11.36
119.4877	12.37	11.73	10.82	9.19	11.38
119.5942	12.36	11.77	10.86	9.15	11.41
119.7007	12.35	11.77	10.80	9.10	11.43
119.8071	12.37	11.77	10.68	9.02	11.49
119.9136	12.38	11.76	10.77	8.97	11.51
120.0201	12.37	11.79	10.81	8.93	11.54
120.1266	12.35	11.76	10.77	8.89	11.54
120.2331	12.36	11.72	10.72	8.88	11.51
120.3396	12.36	11.69	10.67	8.92	11.51
120.4461	12.35	11.67	10.69	8.95	11.49
120.5526	12.35	11.64	10.80	9.01	11.46
120.6591	12.34	11.65	10.80	9.11	11.40
120.7656	12.32	11.65	10.78	9.18	11.38
120.8721	12.30	11.65	10.72	9.24	11.30
120.9786	12.34	11.64	10.77	9.28	11.27
121.0851	12.33	11.68	10.84	9.27	11.27
121.1916	12.32	11.68	10.80	9.24	11.28
121.2981	12.30	11.69	10.75	9.20	11.32
121.4046	12.28	11.69	10.73	9.15	11.33
121.5111	12.29	11.70	10.70	9.08	11.39
121.6176	12.28	11.69	10.69	9.03	11.46

121.7241	12.28	11.70	10.74	8.99	11.51
121.8306	12.28	11.68	10.69	8.98	11.55
121.9371	12.28	11.63	10.61	8.95	11.54
122.0435	12.29	11.65	10.64	8.97	11.51
122.1500	12.32	11.65	10.73	9.03	11.46
122.2565	12.32	11.64	10.75	9.09	11.45
122.3630	12.34	11.64	10.73	9.13	11.40
122.4695	12.37	11.62	10.74	9.19	11.39
122.5760	12.38	11.64	10.78	9.23	11.34
122.6825	12.38	11.66	10.80	9.24	11.33
122.7890	12.38	11.71	10.85	9.24	11.37
122.8955	12.38	11.69	10.77	9.25	11.43
123.0020	12.37	11.75	10.75	9.20	11.49
123.1085	12.36	11.77	10.74	9.14	11.46
123.2150	12.36	11.78	10.81	9.07	11.52
123.3215	12.35	11.80	10.80	9.03	11.56
123.4280	12.34	11.78	10.76	9.02	11.59
123.5345	12.34	11.79	10.73	9.02	11.59
123.6410	12.35	11.72	10.76	9.03	11.55
123.7475	12.35	11.74	10.72	9.06	11.52
123.8540	12.33	11.68	10.78	9.14	11.50
123.9605	12.33	11.67	10.79	9.23	11.52
124.0670	12.36	11.65	10.75	9.29	11.49
124.1735	12.38	11.62	10.69	9.32	11.43
124.2799	12.36	11.66	10.76	9.34	11.39
124.3864	12.36	11.63	10.80	9.35	11.38
124.4929	12.33	11.66	10.78	9.32	11.39
124.5994	12.36	11.68	10.69	9.26	11.45
124.7059	12.33	11.69	10.67	9.19	11.50
124.8124	12.33	11.75	10.66	9.15	11.49
124.9189	12.30	11.73	10.67	9.11	11.51
125.0254	12.26	11.71	10.69	9.08	11.54
125.1319	12.27	11.69	10.66	9.08	11.59
125.2384	12.27	11.72	10.62	9.08	11.59
125.3449	12.29	11.67	10.64	9.07	11.56
125.4514	12.29	11.68	10.67	9.10	11.53
125.5579	12.30	11.65	10.73	9.17	11.45
125.6644	12.32	11.61	10.77	9.22	11.40
125.7709	12.35	11.67	10.77	9.26	11.37
125.8774	12.38	11.65	10.76	9.24	11.36
125.9839	12.38	11.66	10.74	9.26	11.33
126.0904	12.35	11.69	10.82	9.26	11.34
126.1969	12.34	11.73	10.84	9.26	11.37
126.3034	12.36	11.77	10.80	9.22	11.39
126.4099	12.35	11.77	10.77	9.14	11.46
126.5163	12.33	11.81	10.78	9.06	11.47
126.6228	12.32	11.79	10.78	8.99	11.48
126.7293	12.33	11.78	10.75	8.96	11.47
126.8358	12.35	11.77	10.76	8.93	11.51
126.9423	12.35	11.75	10.78	8.95	11.52
127.0488	12.37	11.70	10.69	8.97	11.48
127.1553	12.38	11.68	10.77	8.99	11.48
127.2618	12.37	11.69	10.78	9.05	11.41
127.3683	12.36	11.67	10.81	9.13	11.39
127.4748	12.38	11.66	10.78	9.15	11.34
127.5813	12.40	11.68	10.80	9.17	11.32
127.6878	12.38	11.69	10.81	9.17	11.28
127.7943	12.35	11.72	10.84	9.15	11.25
127.9008	12.32	11.74	10.83	9.12	11.24
128.0073	12.31	11.75	10.80	9.06	11.25
128.1138	12.30	11.74	10.77	9.01	11.29

128.2203	12.29	11.73	10.77	8.96	11.30
128.3268	12.31	11.73	10.78	8.92	11.37
128.4333	12.29	11.72	10.76	8.92	11.39
128.5398	12.28	11.69	10.67	8.94	11.39
128.6463	12.28	11.67	10.75	8.96	11.40
128.7527	12.32	11.65	10.78	8.98	11.35
128.8592	12.35	11.66	10.76	9.00	11.34
128.9657	12.37	11.65	10.79	9.01	11.29
129.0722	12.37	11.65	10.78	9.07	11.28
129.1787	12.35	11.67	10.84	9.11	11.24
129.2852	12.38	11.69	10.83	9.11	11.22
129.3917	12.40	11.72	10.89	9.12	11.26
129.4982	12.37	11.76	10.83	9.11	11.28
129.6047	12.36	11.77	10.78	9.07	11.34
129.7112	12.36	11.76	10.78	9.00	11.35
129.8177	12.36	11.77	10.82	8.99	11.38
129.9242	12.38	11.78	10.80	8.95	11.39
130.0307	12.39	11.75	10.76	8.93	11.42
130.1372	12.39	11.74	10.74	8.89	11.44
130.2437	12.38	11.71	10.79	8.91	11.42
130.3502	12.38	11.70	10.81	8.94	11.40
130.4567	12.40	11.67	10.86	9.03	11.37
130.5632	12.38	11.70	10.84	9.10	11.35
130.6697	12.38	11.70	10.85	9.14	11.30
130.7762	12.37	11.69	10.85	9.19	11.31
130.8827	12.35	11.74	10.93	9.21	11.29
130.9891	12.35	11.74	10.89	9.23	11.26
131.0956	12.36	11.78	10.83	9.19	11.30
131.2021	12.34	11.76	10.81	9.15	11.32
131.3086	12.34	11.79	10.80	9.11	11.35
131.4151	12.35	11.77	10.80	9.05	11.36
131.5216	12.35	11.76	10.76	9.01	11.42
131.6281	12.32	11.72	10.70	9.00	11.45
131.7346	12.32	11.71	10.68	9.02	11.47
131.8411	12.34	11.70	10.68	9.02	11.49
131.9476	12.35	11.66	10.78	9.07	11.45
132.0541	12.33	11.69	10.76	9.12	11.42
132.1606	12.33	11.68	10.75	9.19	11.33
132.2671	12.33	11.65	10.74	9.21	11.33
132.3736	12.35	11.69	10.82	9.25	11.31
132.4801	12.36	11.71	10.84	9.26	11.29
132.5866	12.36	11.76	10.86	9.27	11.29
132.6931	12.34	11.75	10.83	9.27	11.30
132.7996	12.33	11.77	10.75	9.22	11.34
132.9061	12.34	11.81	10.75	9.18	11.39
133.0126	12.35	11.82	10.78	9.13	11.47
133.1191	12.36	11.83	10.79	9.06	11.47
133.2255	12.36	11.82	10.72	9.01	11.47
133.3320	12.36	11.80	10.70	8.99	11.46
133.4385	12.35	11.76	10.75	8.98	11.44
133.5450	12.37	11.78	10.78	8.99	11.43
133.6515	12.38	11.76	10.82	9.00	11.39
133.7580	12.38	11.72	10.81	9.06	11.38
133.8645	12.37	11.73	10.79	9.13	11.32
133.9710	12.35	11.70	10.80	9.17	11.32
134.0775	12.38	11.71	10.83	9.19	11.34
134.1840	12.39	11.72	10.85	9.20	11.34
134.2905	12.36	11.76	10.76	9.17	11.33
134.3970	12.36	11.74	10.74	9.11	11.31
134.5035	12.36	11.76	10.73	9.06	11.37
134.6100	12.35	11.78	10.74	8.99	11.36

134.7165	12.34	11.76	10.75	8.94	11.42
134.8230	12.34	11.77	10.70	8.89	11.40
134.9295	12.33	11.73	10.71	8.87	11.40
135.0360	12.31	11.75	10.74	8.89	11.37
135.1425	12.31	11.73	10.78	8.94	11.36
135.2490	12.31	11.69	10.81	8.99	11.33
135.3555	12.31	11.67	10.82	9.03	11.27
135.4619	12.32	11.67	10.79	9.10	11.24
135.5684	12.33	11.68	10.78	9.16	11.17
135.6749	12.34	11.68	10.87	9.18	11.17
135.7814	12.32	11.71	10.85	9.17	11.16
135.8879	12.33	11.68	10.83	9.14	11.18
135.9944	12.33	11.73	10.79	9.08	11.21
136.1009	12.34	11.76	10.75	9.05	11.23
136.2074	12.31	11.75	10.79	8.97	11.31
136.3139	12.32	11.78	10.81	8.90	11.35
136.4204	12.31	11.76	10.82	8.88	11.38
136.5269	12.32	11.79	10.79	8.82	11.38
136.6334	12.34	11.76	10.78	8.78	11.39
136.7399	12.35	11.75	10.82	8.79	11.36
136.8464	12.37	11.73	10.84	8.86	11.32
136.9529	12.38	11.70	10.89	8.93	11.30
137.0594	12.38	11.68	10.83	8.97	11.23
137.1659	12.41	11.65	10.81	9.03	11.24
137.2724	12.39	11.69	10.79	9.08	11.22
137.3789	12.38	11.68	10.82	9.15	11.22
137.4854	12.37	11.68	10.82	9.13	11.22
137.5919	12.36	11.71	10.80	9.13	11.24
137.6983	12.36	11.74	10.73	9.08	11.28
137.8048	12.34	11.77	10.71	9.01	11.29
137.9113	12.32	11.78	10.77	8.94	11.36
138.0178	12.30	11.77	10.79	8.88	11.38
138.1243	12.30	11.75	10.75	8.87	11.43
138.2308	12.29	11.76	10.71	8.89	11.40
138.3373	12.30	11.73	10.71	8.91	11.41
138.4438	12.30	11.70	10.74	8.95	11.42
138.5503	12.29	11.67	10.74	9.04	11.40
138.6568	12.30	11.64	10.75	9.13	11.38
138.7633	12.32	11.69	10.71	9.19	11.30
138.8698	12.32	11.61	10.66	9.24	11.27
138.9763	12.32	11.64	10.70	9.27	11.25
139.0828	12.32	11.66	10.75	9.27	11.26
139.1893	12.33	11.69	10.73	9.25	11.27
139.2958	12.32	11.71	10.68	9.20	11.32
139.4023	12.28	11.70	10.64	9.15	11.40
139.5088	12.27	11.74	10.68	9.09	11.43
139.6153	12.28	11.75	10.71	9.04	11.50
139.7218	12.29	11.75	10.74	9.01	11.51
139.8283	12.28	11.73	10.67	8.98	11.57
139.9347	12.29	11.75	10.62	8.98	11.54
140.0412	12.30	11.72	10.67	8.99	11.48
140.1477	12.32	11.67	10.75	9.03	11.48
140.2542	12.34	11.66	10.75	9.11	11.44
140.3607	12.34	11.67	10.72	9.19	11.40
140.4672	12.35	11.69	10.70	9.24	11.34
140.5737	12.35	11.66	10.71	9.27	11.34
140.6802	12.33	11.65	10.77	9.29	11.32
140.7867	12.32	11.70	10.83	9.29	11.35
140.8932	12.31	11.73	10.78	9.25	11.38
140.9997	12.31	11.75	10.69	9.18	11.38
141.1062	12.29	11.74	10.68	9.12	11.44

141.2127	12.27	11.75	10.70	9.07	11.46
141.3192	12.28	11.74	10.75	8.98	11.52
141.4257	12.28	11.74	10.67	8.95	11.53
141.5322	12.28	11.71	10.60	8.95	11.55
141.6387	12.27	11.67	10.56	8.98	11.54
141.7452	12.28	11.64	10.63	9.03	11.51
141.8517	12.29	11.64	10.66	9.11	11.48
141.9582	12.30	11.61	10.70	9.17	11.43
142.0647	12.26	11.60	10.64	9.23	11.39
142.1711	12.26	11.63	10.65	9.26	11.30
142.2776	12.30	11.62	10.71	9.27	11.27
142.3841	12.29	11.64	10.77	9.27	11.23
142.4906	12.25	11.64	10.72	9.25	11.24
142.5971	12.25	11.68	10.73	9.18	11.27
142.7036	12.26	11.70	10.70	9.11	11.31
142.8101	12.26	11.71	10.70	9.04	11.36
142.9166	12.25	11.71	10.72	8.99	11.41
143.0231	12.25	11.69	10.71	8.94	11.49
143.1296	12.27	11.70	10.65	8.89	11.48
143.2361	12.30	11.69	10.63	8.87	11.47
143.3426	12.28	11.67	10.66	8.88	11.46
143.4491	12.32	11.67	10.75	8.92	11.43
143.5556	12.32	11.65	10.72	8.95	11.39
143.6621	12.33	11.63	10.71	9.00	11.32
143.7686	12.33	11.62	10.73	9.05	11.30
143.8751	12.33	11.65	10.79	9.09	11.25
143.9816	12.33	11.63	10.81	9.10	11.25
144.0881	12.33	11.66	10.81	9.09	11.27
144.1946	12.32	11.66	10.78	9.06	11.30
144.3011	12.32	11.67	10.71	9.02	11.32
144.4075	12.33	11.68	10.72	8.94	11.33
144.5140	12.33	11.69	10.76	8.89	11.38
144.6205	12.32	11.69	10.71	8.88	11.39
144.7270	12.30	11.64	10.69	8.87	11.41
144.8335	12.30	11.66	10.65	8.86	11.44
144.9400	12.31	11.64	10.66	8.89	11.43
145.0465	12.29	11.61	10.69	8.97	11.39
145.1530	12.25	11.60	10.74	9.04	11.35
145.2595	12.25	11.61	10.76	9.10	11.36
145.3660	12.27	11.59	10.71	9.16	11.29
145.4725	12.26	11.60	10.74	9.17	11.25
145.5790	12.25	11.61	10.78	9.19	11.22
145.6855	12.25	11.61	10.84	9.16	11.26
145.7920	12.26	11.62	10.74	9.14	11.28
145.8985	12.26	11.62	10.73	9.09	11.29
146.0050	12.26	11.65	10.71	9.07	11.35
146.1115	12.26	11.67	10.68	9.01	11.39
146.2180	12.29	11.62	10.66	8.99	11.47
146.3245	12.27	11.66	10.65	8.99	11.48
146.4310	12.25	11.65	10.62	8.98	11.52
146.5375	12.28	11.66	10.62	9.00	11.49
146.6439	12.32	11.63	10.63	9.02	11.46
146.7504	12.30	11.62	10.72	9.08	11.43
146.8569	12.29	11.64	10.69	9.11	11.37
146.9634	12.32	11.65	10.74	9.15	11.39
147.0699	12.33	11.63	10.72	9.19	11.36
147.1764	12.31	11.64	10.76	9.22	11.35
147.2829	12.31	11.66	10.74	9.25	11.35
147.3894	12.32	11.67	10.76	9.22	11.40
147.4959	12.32	11.67	10.71	9.20	11.46
147.6024	12.30	11.72	10.65	9.13	11.46

147.7089	12.30	11.72	10.68	9.09	11.49
147.8154	12.30	11.73	10.68	9.04	11.48
147.9219	12.30	11.71	10.64	9.00	11.52
148.0284	12.30	11.71	10.67	9.00	11.51
148.1349	12.29	11.70	10.66	9.03	11.50
148.2414	12.27	11.69	10.68	9.05	11.49
148.3479	12.29	11.65	10.66	9.10	11.46
148.4544	12.29	11.62	10.73	9.18	11.45
148.5609	12.25	11.65	10.72	9.23	11.39
148.6674	12.26	11.61	10.70	9.27	11.39
148.7739	12.28	11.61	10.68	9.30	11.38
148.8803	12.28	11.61	10.70	9.29	11.37
148.9868	12.26	11.61	10.71	9.26	11.33
149.0933	12.27	11.64	10.65	9.20	11.36
149.1998	12.30	11.65	10.64	9.14	11.42
149.3063	12.27	11.66	10.63	9.09	11.43
149.4128	12.24	11.67	10.58	9.06	11.44
149.5193	12.26	11.66	10.64	9.02	11.46
149.6258	12.27	11.66	10.66	9.00	11.50
149.7323	12.26	11.68	10.65	9.01	11.48
149.8388	12.26	11.66	10.67	9.03	11.45
149.9453	12.29	11.67	10.72	9.04	11.41
150.0518	12.31	11.64	10.77	9.07	11.36
150.1583	12.32	11.64	10.78	9.09	11.31
150.2648	12.31	11.67	10.84	9.14	11.27
150.3713	12.32	11.64	10.82	9.16	11.27
150.4778	12.35	11.66	10.82	9.13	11.26
150.5843	12.34	11.67	10.81	9.12	11.30
150.6908	12.32	11.70	10.81	9.10	11.32
150.7973	12.31	11.70	10.77	9.06	11.33
150.9038	12.32	11.72	10.73	8.99	11.39
151.0103	12.32	11.72	10.74	8.94	11.40
151.1167	12.32	11.73	10.73	8.86	11.42
151.2232	12.33	11.72	10.67	8.85	11.38
151.3297	12.34	11.70	10.70	8.82	11.40
151.4362	12.34	11.67	10.71	8.84	11.37
151.5427	12.32	11.66	10.75	8.91	11.31
151.6492	12.33	11.63	10.73	8.95	11.26
151.7557	12.35	11.60	10.78	9.01	11.22
151.8622	12.34	11.62	10.74	9.07	11.22
151.9687	12.30	11.61	10.80	9.12	11.18
152.0752	12.30	11.61	10.82	9.14	11.18
152.1817	12.30	11.63	10.83	9.13	11.15
152.2882	12.30	11.64	10.80	9.09	11.15
152.3947	12.27	11.68	10.77	9.04	11.19
152.5012	12.26	11.71	10.75	8.98	11.24
152.6077	12.26	11.70	10.77	8.90	11.30
152.7142	12.27	11.71	10.75	8.85	11.32
152.8207	12.25	11.70	10.74	8.83	11.38
152.9272	12.25	11.71	10.67	8.83	11.36
153.0337	12.27	11.69	10.67	8.85	11.36
153.1402	12.32	11.66	10.71	8.89	11.37
153.2467	12.31	11.65	10.76	8.92	11.31
153.3531	12.32	11.67	10.72	8.99	11.26
153.4596	12.35	11.63	10.72	9.05	11.20
153.5661	12.37	11.63	10.77	9.11	11.21
153.6726	12.35	11.65	10.81	9.13	11.18
153.7791	12.35	11.66	10.80	9.14	11.19
153.8856	12.37	11.70	10.79	9.14	11.21
153.9921	12.36	11.69	10.79	9.10	11.28
154.0986	12.33	11.72	10.77	9.06	11.34

154.2051	12.31	11.76	10.74	9.01	11.39
154.3116	12.33	11.76	10.77	8.93	11.46
154.4181	12.33	11.74	10.73	8.89	11.45
154.5246	12.30	11.73	10.66	8.86	11.49
154.6311	12.31	11.75	10.67	8.86	11.45
154.7376	12.32	11.70	10.71	8.88	11.43
154.8441	12.33	11.69	10.75	8.94	11.40
154.9506	12.32	11.69	10.74	9.02	11.34
155.0571	12.30	11.68	10.72	9.13	11.30
155.1636	12.29	11.67	10.71	9.21	11.25
155.2701	12.30	11.66	10.80	9.28	11.25
155.3766	12.31	11.69	10.81	9.28	11.21
155.4831	12.28	11.69	10.81	9.31	11.23
155.5895	12.26	11.70	10.72	9.26	11.25
155.6960	12.27	11.68	10.71	9.20	11.27
155.8025	12.28	11.71	10.73	9.13	11.33
155.9090	12.27	11.71	10.74	9.08	11.38
156.0155	12.26	11.68	10.70	9.00	11.45
156.1220	12.27	11.71	10.65	8.95	11.48
156.2285	12.28	11.66	10.64	8.96	11.48
156.3350	12.27	11.69	10.65	8.99	11.48
156.4415	12.28	11.68	10.68	9.02	11.47
156.5480	12.31	11.67	10.75	9.08	11.40
156.6545	12.32	11.68	10.71	9.14	11.33
156.7610	12.31	11.67	10.74	9.18	11.31
156.8675	12.32	11.71	10.73	9.22	11.25
156.9740	12.34	11.70	10.81	9.25	11.24
157.0805	12.35	11.74	10.85	9.24	11.22
157.1870	12.33	11.73	10.79	9.21	11.26
157.2935	12.32	11.75	10.74	9.16	11.27
157.4000	12.33	11.77	10.78	9.08	11.34
157.5065	12.33	11.75	10.81	8.98	11.42
157.6130	12.31	11.78	10.75	8.93	11.46
157.7195	12.31	11.75	10.72	8.86	11.47
157.8259	12.34	11.74	10.71	8.82	11.45
157.9324	12.33	11.71	10.72	8.83	11.44
158.0389	12.33	11.70	10.75	8.87	11.39
158.1454	12.32	11.67	10.76	8.92	11.37
158.2519	12.33	11.65	10.77	8.97	11.34
158.3584	12.34	11.65	10.76	9.05	11.25
158.4649	12.33	11.63	10.76	9.13	11.21
158.5714	12.32	11.64	10.76	9.18	11.17
158.6779	12.31	11.64	10.82	9.17	11.19
158.7844	12.32	11.65	10.80	9.16	11.17
158.8909	12.32	11.67	10.71	9.09	11.20
158.9974	12.32	11.68	10.69	9.02	11.23
159.1039	12.30	11.70	10.73	8.96	11.24
159.2104	12.29	11.68	10.78	8.89	11.30
159.3169	12.29	11.68	10.71	8.83	11.32
159.4234	12.27	11.69	10.65	8.80	11.35
159.5299	12.26	11.68	10.67	8.81	11.34
159.6364	12.27	11.65	10.75	8.84	11.36
159.7429	12.26	11.66	10.78	8.90	11.32
159.8494	12.26	11.65	10.78	8.96	11.25
159.9559	12.26	11.64	10.76	9.01	11.21
160.0623	12.30	11.64	10.77	9.07	11.15
160.1688	12.32	11.65	10.79	9.10	11.12
160.2753	12.30	11.68	10.83	9.10	11.09
160.3818	12.31	11.66	10.84	9.08	11.16
160.4883	12.33	11.69	10.81	9.06	11.16
160.5948	12.35	11.71	10.72	9.01	11.21

160.7013	12.32	11.71	10.71	8.95	11.27
160.8078	12.32	11.73	10.75	8.89	11.34
160.9143	12.32	11.72	10.78	8.83	11.40
161.0208	12.32	11.73	10.72	8.79	11.41
161.1273	12.31	11.73	10.65	8.79	11.41
161.2338	12.31	11.71	10.67	8.81	11.38
161.3403	12.31	11.67	10.75	8.86	11.37
161.4468	12.30	11.67	10.77	8.92	11.34
161.5533	12.31	11.65	10.74	9.00	11.28
161.6598	12.31	11.64	10.74	9.07	11.27
161.7663	12.30	11.64	10.77	9.13	11.24
161.8728	12.29	11.63	10.77	9.16	11.26
161.9793	12.28	11.66	10.75	9.19	11.24
162.0858	12.27	11.67	10.77	9.17	11.28
162.1923	12.26	11.70	10.74	9.12	11.29
162.2987	12.27	11.70	10.65	9.07	11.32
162.4052	12.26	11.71	10.64	9.02	11.35
162.5117	12.23	11.71	10.68	8.95	11.37
162.6182	12.24	11.68	10.66	8.94	11.42
162.7247	12.25	11.68	10.57	8.95	11.40
162.8312	12.24	11.68	10.54	8.99	11.42
162.9377	12.23	11.65	10.58	9.04	11.41
163.0442	12.25	11.61	10.63	9.09	11.42
163.1507	12.26	11.63	10.66	9.15	11.40
163.2572	12.27	11.62	10.61	9.21	11.35
163.3637	12.27	11.61	10.59	9.23	11.32
163.4702	12.29	11.61	10.68	9.25	11.28
163.5767	12.29	11.63	10.74	9.24	11.33
163.6832	12.29	11.66	10.72	9.22	11.33
163.7897	12.28	11.67	10.68	9.15	11.37
163.8962	12.27	11.72	10.66	9.10	11.40
164.0027	12.28	11.70	10.67	9.07	11.44
164.1092	12.26	11.71	10.67	9.01	11.47
164.2157	12.26	11.73	10.67	8.99	11.47
164.3222	12.25	11.72	10.70	8.95	11.52
164.4287	12.28	11.69	10.63	8.95	11.50
164.5352	12.27	11.66	10.60	8.97	11.46
164.6416	12.29	11.68	10.69	9.02	11.43
164.7481	12.31	11.64	10.76	9.08	11.40
164.8546	12.31	11.62	10.72	9.14	11.36
164.9611	12.31	11.62	10.68	9.19	11.31
165.0676	12.31	11.62	10.73	9.22	11.31
165.1741	12.31	11.63	10.75	9.24	11.29
165.2806	12.29	11.63	10.79	9.20	11.35
165.3871	12.28	11.64	10.75	9.19	11.35
165.4936	12.25	11.67	10.70	9.12	11.36
165.6001	12.26	11.69	10.70	9.05	11.36
165.7066	12.25	11.66	10.71	8.99	11.38
165.8131	12.24	11.66	10.69	8.95	11.44
165.9196	12.24	11.65	10.61	8.90	11.43
166.0261	12.25	11.63	10.62	8.91	11.45
166.1326	12.25	11.62	10.60	8.95	11.42
166.2391	12.24	11.58	10.59	8.99	11.39
166.3456	12.24	11.58	10.63	9.05	11.33
166.4521	12.25	11.59	10.65	9.10	11.31
166.5586	12.27	11.54	10.67	9.13	11.29
166.6651	12.28	11.58	10.65	9.15	11.23
166.7716	12.27	11.58	10.74	9.16	11.21
166.8780	12.26	11.63	10.78	9.14	11.19
166.9845	12.25	11.62	10.77	9.08	11.22
167.0910	12.26	11.64	10.72	9.04	11.26

167.1975	12.25	11.69	10.69	8.97	11.32
167.3040	12.25	11.68	10.71	8.90	11.35
167.4105	12.26	11.67	10.70	8.86	11.38
167.5170	12.25	11.65	10.68	8.84	11.44
167.6235	12.25	11.68	10.61	8.84	11.42
167.7300	12.27	11.64	10.59	8.84	11.42
167.8365	12.31	11.62	10.66	8.86	11.37
167.9430	12.31	11.61	10.69	8.91	11.32
168.0495	12.30	11.59	10.71	8.95	11.27
168.1560	12.31	11.58	10.70	9.01	11.24
168.2625	12.33	11.57	10.76	9.07	11.24
168.3690	12.31	11.61	10.77	9.09	11.21
168.4755	12.29	11.61	10.77	9.10	11.24
168.5820	12.27	11.63	10.81	9.09	11.27
168.6885	12.28	11.65	10.77	9.06	11.32
168.7950	12.26	11.68	10.68	9.00	11.36
168.9015	12.25	11.70	10.65	8.94	11.40
169.0080	12.23	11.69	10.67	8.88	11.44
169.1144	12.24	11.67	10.66	8.85	11.42
169.2209	12.23	11.64	10.59	8.85	11.43
169.3274	12.23	11.62	10.59	8.86	11.43
169.4339	12.23	11.61	10.60	8.91	11.41
169.5404	12.24	11.60	10.63	8.97	11.35
169.6469	12.24	11.53	10.65	9.06	11.31
169.7534	12.23	11.55	10.67	9.15	11.28
169.8599	12.23	11.55	10.70	9.22	11.23
169.9664	12.25	11.54	10.70	9.25	11.22
170.0729	12.26	11.54	10.75	9.24	11.21
170.1794	12.25	11.58	10.72	9.22	11.25
170.2859	12.24	11.63	10.69	9.17	11.26
170.3924	12.24	11.64	10.70	9.13	11.32
170.4989	12.25	11.65	10.67	9.06	11.40
170.6054	12.24	11.69	10.63	9.01	11.44
170.7119	12.23	11.68	10.61	8.94	11.51
170.8184	12.24	11.67	10.59	8.93	11.56
170.9249	12.25	11.67	10.61	8.93	11.57
171.0314	12.25	11.65	10.61	8.95	11.52
171.1379	12.25	11.64	10.63	8.99	11.50
171.2444	12.28	11.63	10.67	9.05	11.42
171.3508	12.31	11.62	10.73	9.10	11.36
171.4573	12.30	11.61	10.71	9.15	11.32
171.5638	12.31	11.61	10.76	9.23	11.29
171.6703	12.31	11.63	10.78	9.25	11.30
171.7768	12.31	11.64	10.77	9.27	11.27
171.8833	12.31	11.63	10.74	9.26	11.31
171.9898	12.29	11.69	10.70	9.22	11.35
172.0963	12.29	11.69	10.66	9.14	11.40
172.2028	12.28	11.70	10.68	9.06	11.47
172.3093	12.27	11.69	10.66	9.00	11.48
172.4158	12.26	11.70	10.62	8.96	11.50
172.5223	12.27	11.68	10.62	8.93	11.49
172.6288	12.27	11.65	10.64	8.92	11.51
172.7353	12.25	11.64	10.63	8.97	11.44
172.8418	12.25	11.61	10.66	9.00	11.42
172.9483	12.27	11.59	10.68	9.08	11.40
173.0548	12.26	11.58	10.69	9.15	11.34
173.1613	12.26	11.56	10.69	9.20	11.28
173.2678	12.25	11.55	10.71	9.23	11.23
173.3743	12.26	11.57	10.70	9.24	11.24
173.4808	12.28	11.59	10.71	9.20	11.22
173.5872	12.27	11.60	10.69	9.16	11.26

173.6937	12.27	11.65	10.66	9.09	11.30
173.8002	12.26	11.65	10.68	9.03	11.35
173.9067	12.25	11.68	10.69	8.95	11.38
174.0132	12.26	11.68	10.68	8.90	11.39
174.1197	12.26	11.67	10.65	8.88	11.45
174.2262	12.25	11.68	10.65	8.86	11.43
174.3327	12.26	11.64	10.71	8.87	11.43
174.4392	12.28	11.64	10.78	8.91	11.35
174.5457	12.28	11.63	10.73	8.97	11.29
174.6522	12.29	11.62	10.72	9.04	11.24
174.7587	12.31	11.61	10.76	9.06	11.20
174.8652	12.32	11.60	10.79	9.09	11.18
174.9717	12.33	11.64	10.81	9.11	11.15
175.0782	12.32	11.64	10.80	9.10	11.19
175.1847	12.32	11.66	10.75	9.08	11.20
175.2912	12.30	11.69	10.73	9.04	11.26
175.3977	12.29	11.72	10.69	8.96	11.30
175.5042	12.29	11.72	10.73	8.88	11.35
175.6107	12.29	11.72	10.75	8.81	11.38
175.7172	12.27	11.74	10.70	8.77	11.36
175.8236	12.28	11.68	10.64	8.76	11.38
175.9301	12.28	11.68	10.66	8.77	11.34
176.0366	12.28	11.64	10.72	8.81	11.33
176.1431	12.28	11.64	10.76	8.88	11.27
176.2496	12.28	11.61	10.68	8.98	11.23
176.3561	12.28	11.60	10.67	9.05	11.19
176.4626	12.28	11.61	10.69	9.10	11.17
176.5691	12.29	11.58	10.75	9.13	11.17
176.6756	12.28	11.63	10.71	9.15	11.12
176.7821	12.27	11.65	10.70	9.13	11.13
176.8886	12.25	11.65	10.64	9.08	11.16
176.9951	12.24	11.68	10.67	9.01	11.21
177.1016	12.24	11.70	10.71	8.94	11.25
177.2081	12.25	11.73	10.69	8.89	11.32
177.3146	12.24	11.69	10.70	8.84	11.36
177.4211	12.23	11.70	10.68	8.84	11.36
177.5276	12.25	11.69	10.68	8.87	11.37
177.6341	12.27	11.67	10.72	8.89	11.38
177.7406	12.28	11.64	10.74	8.93	11.38
177.8471	12.29	11.65	10.75	8.97	11.32
177.9536	12.31	11.65	10.71	9.05	11.28
178.0600	12.32	11.62	10.69	9.11	11.25
178.1665	12.32	11.66	10.75	9.15	11.21
178.2730	12.33	11.67	10.81	9.15	11.23
178.3795	12.33	11.67	10.75	9.15	11.24
178.4860	12.31	11.69	10.68	9.11	11.29
178.5925	12.30	11.72	10.72	9.06	11.31
178.6990	12.29	11.73	10.75	9.00	11.37
178.8055	12.29	11.73	10.77	8.96	11.40
178.9120	12.29	11.73	10.70	8.91	11.39
179.0185	12.30	11.72	10.68	8.87	11.41
179.1250	12.29	11.68	10.69	8.88	11.39
179.2315	12.29	11.66	10.71	8.91	11.40
179.3380	12.29	11.66	10.72	8.99	11.36
179.4445	12.31	11.64	10.73	9.06	11.34
179.5510	12.30	11.61	10.70	9.12	11.29
179.6575	12.28	11.61	10.68	9.19	11.24
179.7640	12.27	11.62	10.71	9.24	11.25
179.8705	12.27	11.64	10.80	9.25	11.24
179.9770	12.27	11.64	10.78	9.22	11.26
180.0835	12.26	11.66	10.74	9.18	11.25

180.1900	12.26	11.69	10.69	9.14	11.29
180.2964	12.26	11.70	10.69	9.08	11.30
180.4029	12.25	11.71	10.74	8.98	11.34
180.5094	12.24	11.70	10.75	8.94	11.41
180.6159	12.27	11.69	10.64	8.91	11.43
180.7224	12.29	11.66	10.64	8.92	11.43
180.8289	12.28	11.66	10.67	8.95	11.40
180.9354	12.28	11.64	10.70	9.00	11.39
181.0419	12.30	11.63	10.70	9.05	11.34
181.1484	12.31	11.62	10.71	9.11	11.30
181.2549	12.32	11.63	10.71	9.14	11.23
181.3614	12.32	11.61	10.75	9.16	11.18
181.4679	12.32	11.64	10.76	9.17	11.19
181.5744	12.31	11.67	10.82	9.16	11.19
181.6809	12.31	11.69	10.82	9.10	11.22
181.7874	12.31	11.72	10.76	9.03	11.25
181.8939	12.29	11.73	10.74	8.99	11.34
182.0004	12.28	11.75	10.75	8.91	11.38
182.1069	12.28	11.74	10.77	8.83	11.39
182.2134	12.29	11.73	10.72	8.79	11.42
182.3199	12.29	11.73	10.67	8.78	11.41
182.4264	12.29	11.69	10.64	8.79	11.40
182.5328	12.30	11.67	10.68	8.84	11.31
182.6393	12.30	11.64	10.72	8.90	11.30
182.7458	12.30	11.61	10.70	8.98	11.24
182.8523	12.29	11.59	10.67	9.05	11.19
182.9588	12.30	11.59	10.68	9.10	11.17
183.0653	12.30	11.58	10.72	9.14	11.16
183.1718	12.26	11.57	10.75	9.14	11.17
183.2783	12.26	11.60	10.77	9.11	11.17
183.3848	12.26	11.62	10.76	9.06	11.22
183.4913	12.26	11.66	10.67	8.98	11.23
183.5978	12.24	11.67	10.67	8.90	11.28
183.7043	12.24	11.67	10.73	8.85	11.31
183.8108	12.22	11.68	10.74	8.81	11.33
183.9173	12.22	11.68	10.66	8.79	11.34
184.0238	12.23	11.67	10.64	8.83	11.33
184.1303	12.23	11.64	10.63	8.88	11.34
184.2368	12.23	11.65	10.67	8.93	11.28
184.3433	12.24	11.63	10.74	8.99	11.23
184.4498	12.26	11.63	10.72	9.07	11.19
184.5563	12.26	11.65	10.70	9.11	11.16
184.6628	12.27	11.63	10.73	9.10	11.13
184.7692	12.29	11.63	10.74	9.08	11.14
184.8757	12.30	11.65	10.81	9.07	11.20
184.9822	12.29	11.67	10.75	9.04	11.22
185.0887	12.28	11.68	10.71	8.97	11.29
185.1952	12.28	11.70	10.69	8.92	11.34
185.3017	12.28	11.68	10.70	8.86	11.38
185.4082	12.28	11.70	10.68	8.83	11.43
185.5147	12.27	11.70	10.69	8.79	11.45
185.6212	12.28	11.69	10.64	8.79	11.45
185.7277	12.28	11.68	10.61	8.85	11.38
185.8342	12.28	11.65	10.67	8.91	11.35
185.9407	12.27	11.64	10.70	8.99	11.30
186.0472	12.28	11.63	10.69	9.05	11.27
186.1537	12.29	11.59	10.66	9.13	11.23
186.2602	12.27	11.60	10.67	9.19	11.22
186.3667	12.26	11.58	10.73	9.23	11.24
186.4732	12.27	11.61	10.72	9.22	11.22
186.5797	12.25	11.60	10.71	9.21	11.26

186.6862	12.23	11.64	10.68	9.15	11.31
186.7927	12.22	11.66	10.65	9.08	11.35
186.8992	12.23	11.67	10.66	9.00	11.38
187.0056	12.22	11.67	10.67	8.95	11.43
187.1121	12.21	11.66	10.69	8.93	11.48
187.2186	12.22	11.66	10.59	8.94	11.46
187.3251	12.21	11.64	10.60	8.95	11.47
187.4316	12.22	11.63	10.61	8.99	11.42
187.5381	12.23	11.60	10.63	9.07	11.40
187.6446	12.25	11.60	10.65	9.13	11.36
187.7511	12.26	11.59	10.65	9.17	11.32
187.8576	12.28	11.56	10.62	9.23	11.26
187.9641	12.30	11.58	10.68	9.25	11.22
188.0706	12.30	11.57	10.73	9.24	11.25
188.1771	12.30	11.60	10.71	9.17	11.25
188.2836	12.29	11.62	10.68	9.13	11.32
188.3901	12.30	11.64	10.68	9.06	11.36
188.4966	12.28	11.67	10.66	9.02	11.43
188.6031	12.26	11.69	10.67	8.96	11.46
188.7096	12.26	11.70	10.65	8.92	11.51
188.8161	12.25	11.67	10.64	8.89	11.53
188.9226	12.24	11.69	10.63	8.89	11.49
189.0291	12.25	11.67	10.62	8.91	11.47
189.1356	12.27	11.64	10.66	8.96	11.40
189.2420	12.26	11.62	10.69	9.03	11.35
189.3485	12.25	11.60	10.68	9.09	11.28
189.4550	12.26	11.57	10.68	9.14	11.26
189.5615	12.28	11.58	10.69	9.19	11.23
189.6680	12.27	11.57	10.74	9.21	11.21
189.7745	12.26	11.56	10.71	9.20	11.24
189.8810	12.25	11.58	10.69	9.17	11.27
189.9875	12.24	11.62	10.65	9.11	11.32
190.0940	12.23	11.64	10.64	9.06	11.34
190.2005	12.22	11.65	10.66	8.98	11.38
190.3070	12.21	11.65	10.61	8.91	11.42
190.4135	12.21	11.65	10.58	8.88	11.41
190.5200	12.20	11.63	10.57	8.86	11.44
190.6265	12.21	11.63	10.60	8.87	11.41
190.7330	12.21	11.61	10.60	8.91	11.38
190.8395	12.21	11.60	10.59	8.97	11.32
190.9460	12.21	11.58	10.64	9.03	11.30
191.0525	12.22	11.58	10.66	9.08	11.24
191.1590	12.24	11.57	10.65	9.10	11.21
191.2655	12.26	11.58	10.69	9.10	11.19
191.3720	12.25	11.59	10.74	9.10	11.16
191.4784	12.25	11.62	10.75	9.07	11.19
191.5849	12.26	11.64	10.70	9.01	11.21
191.6914	12.25	11.67	10.69	8.94	11.29
191.7979	12.25	11.68	10.70	8.89	11.34
191.9044	12.25	11.67	10.71	8.85	11.39
192.0109	12.25	11.66	10.65	8.80	11.43
192.1174	12.26	11.66	10.63	8.79	11.44
192.2239	12.26	11.64	10.63	8.80	11.42
192.3304	12.28	11.64	10.64	8.84	11.38
192.4369	12.28	11.61	10.65	8.86	11.36
192.5434	12.28	11.58	10.65	8.92	11.30
192.6499	12.27	11.56	10.67	8.99	11.27
192.7564	12.28	11.58	10.72	9.07	11.24
192.8629	12.27	11.57	10.70	9.11	11.20
192.9694	12.26	11.55	10.69	9.13	11.19
193.0759	12.26	11.57	10.73	9.13	11.21

193.1824	12.24	11.59	10.73	9.12	11.27
193.2889	12.23	11.63	10.68	9.07	11.27
193.3954	12.22	11.64	10.66	9.00	11.33
193.5019	12.21	11.63	10.67	8.97	11.35
193.6084	12.20	11.65	10.67	8.93	11.37
193.7148	12.22	11.64	10.62	8.89	11.39
193.8213	12.22	11.63	10.63	8.87	11.40
193.9278	12.21	11.59	10.65	8.91	11.42
194.0343	12.20	11.58	10.69	8.96	11.37
194.1408	12.23	11.57	10.67	9.04	11.35
194.2473	12.23	11.56	10.65	9.10	11.30
194.3538	12.22	11.54	10.67	9.14	11.26
194.4603	12.22	11.54	10.72	9.19	11.24
194.5668	12.26	11.58	10.72	9.20	11.25
194.6733	12.26	11.56	10.71	9.18	11.24
194.7798	12.27	11.59	10.67	9.14	11.24
194.8863	12.27	11.62	10.69	9.11	11.32
194.9928	12.27	11.66	10.66	9.05	11.36
195.0993	12.28	11.67	10.65	8.99	11.42
195.2058	12.27	11.66	10.65	8.94	11.47
195.3123	12.27	11.67	10.65	8.92	11.51
195.4188	12.28	11.66	10.60	8.91	11.50
195.5253	12.28	11.66	10.60	8.92	11.47
195.6318	12.29	11.62	10.68	8.97	11.46
195.7383	12.28	11.61	10.70	9.04	11.39
195.8448	12.27	11.62	10.70	9.09	11.34
195.9512	12.28	11.59	10.67	9.14	11.29
196.0577	12.28	11.59	10.70	9.20	11.27
196.1642	12.27	11.59	10.77	9.23	11.26
196.2707	12.26	11.62	10.75	9.24	11.27
196.3772	12.27	11.61	10.70	9.21	11.31
196.4837	12.25	11.64	10.64	9.16	11.31
196.5902	12.24	11.65	10.65	9.10	11.37
196.6967	12.23	11.67	10.66	9.04	11.42
196.8032	12.24	11.69	10.63	8.98	11.44
196.9097	12.25	11.66	10.60	8.92	11.42
197.0162	12.23	11.66	10.58	8.92	11.43
197.1227	12.23	11.62	10.61	8.92	11.42
197.2292	12.24	11.61	10.62	8.95	11.36
197.3357	12.24	11.60	10.68	9.01	11.34
197.4422	12.23	11.55	10.71	9.08	11.30
197.5487	12.23	11.56	10.65	9.13	11.27
197.6552	12.25	11.54	10.64	9.17	11.23
197.7617	12.24	11.54	10.69	9.19	11.22
197.8682	12.24	11.57	10.77	9.17	11.23
197.9747	12.25	11.60	10.71	9.14	11.21
198.0812	12.24	11.61	10.63	9.05	11.27
198.1876	12.25	11.65	10.62	8.98	11.30
198.2941	12.24	11.69	10.64	8.92	11.34
198.4006	12.25	11.69	10.71	8.87	11.36
198.5071	12.25	11.72	10.67	8.81	11.41
198.6136	12.25	11.70	10.64	8.79	11.40
198.7201	12.25	11.69	10.64	8.81	11.37
198.8266	12.26	11.68	10.73	8.85	11.37
198.9331	12.28	11.66	10.76	8.89	11.31
199.0396	12.28	11.63	10.75	8.94	11.25
199.1461	12.28	11.61	10.76	9.02	11.16
199.2526	12.28	11.61	10.75	9.08	11.16
199.3591	12.30	11.59	10.74	9.10	11.14
199.4656	12.29	11.60	10.79	9.10	11.13
199.5721	12.29	11.61	10.78	9.09	11.17

199.6786	12.29	11.62	10.76	9.06	11.20
199.7851	12.27	11.64	10.64	8.98	11.26
199.8916	12.25	11.68	10.65	8.91	11.27
199.9981	12.26	11.69	10.71	8.84	11.31
200.1046	12.25	11.70	10.70	8.78	11.34
200.2111	12.24	11.70	10.64	8.75	11.34
200.3176	12.23	11.68	10.62	8.74	11.34
200.4240	12.25	11.67	10.65	8.79	11.29
200.5305	12.24	11.64	10.69	8.86	11.25
200.6370	12.25	11.63	10.71	8.92	11.21
200.7435	12.26	11.60	10.69	8.99	11.18
200.8500	12.27	11.59	10.67	9.07	11.13
200.9565	12.25	11.58	10.73	9.12	11.13
201.0630	12.28	11.57	10.75	9.14	11.13
201.1695	12.27	11.58	10.75	9.12	11.11
201.2760	12.27	11.61	10.74	9.08	11.15
201.3825	12.26	11.63	10.73	9.03	11.19
201.4890	12.27	11.66	10.69	8.95	11.26
201.5955	12.27	11.70	10.70	8.87	11.29
201.7020	12.25	11.70	10.74	8.83	11.37
201.8085	12.27	11.70	10.70	8.81	11.40
201.9150	12.27	11.71	10.66	8.83	11.40
202.0215	12.27	11.69	10.65	8.85	11.40
202.1280	12.27	11.68	10.69	8.90	11.38
202.2345	12.29	11.66	10.73	8.97	11.34
202.3410	12.31	11.64	10.71	9.04	11.27
202.4475	12.31	11.62	10.70	9.10	11.24
202.5540	12.31	11.61	10.72	9.14	11.18
202.6604	12.31	11.60	10.74	9.19	11.18
202.7669	12.32	11.60	10.81	9.19	11.20
202.8734	12.30	11.61	10.81	9.15	11.23
202.9799	12.29	11.63	10.73	9.10	11.28
203.0864	12.28	11.67	10.70	9.08	11.31
203.1929	12.26	11.68	10.75	9.00	11.39
203.2994	12.24	11.70	10.72	8.92	11.40
203.4059	12.24	11.71	10.72	8.89	11.43
203.5124	12.24	11.70	10.68	8.87	11.44
203.6189	12.24	11.69	10.66	8.88	11.41
203.7254	12.24	11.66	10.61	8.91	11.38
203.8319	12.25	11.65	10.65	8.99	11.32
203.9384	12.24	11.62	10.69	9.07	11.30
204.0449	12.26	11.61	10.68	9.15	11.24
204.1514	12.25	11.60	10.62	9.20	11.21
204.2579	12.26	11.60	10.65	9.24	11.19
204.3644	12.26	11.59	10.69	9.26	11.20
204.4709	12.26	11.59	10.74	9.22	11.21
204.5774	12.26	11.65	10.68	9.16	11.24
204.6839	12.26	11.66	10.68	9.07	11.29
204.7904	12.25	11.68	10.63	9.01	11.32
204.8968	12.24	11.69	10.68	8.95	11.37
205.0033	12.24	11.69	10.69	8.88	11.42
205.1098	12.25	11.70	10.66	8.84	11.44
205.2163	12.25	11.70	10.60	8.86	11.45
205.3228	12.26	11.68	10.61	8.91	11.43
205.4293	12.27	11.67	10.66	8.95	11.39
205.5358	12.27	11.66	10.67	9.01	11.31
205.6423	12.27	11.65	10.70	9.07	11.27
205.7488	12.29	11.66	10.70	9.11	11.21
205.8553	12.30	11.65	10.69	9.12	11.18
205.9618	12.30	11.64	10.73	9.12	11.16
206.0683	12.28	11.66	10.78	9.11	11.16

206.1748	12.28	11.64	10.79	9.09	11.20
206.2813	12.28	11.69	10.71	9.02	11.21
206.3878	12.26	11.67	10.69	8.94	11.29
206.4943	12.25	11.69	10.68	8.90	11.34
206.6008	12.24	11.68	10.72	8.84	11.38
206.7073	12.25	11.68	10.72	8.78	11.38
206.8138	12.24	11.67	10.63	8.76	11.39
206.9203	12.25	11.64	10.61	8.79	11.35
207.0268	12.25	11.63	10.63	8.82	11.30
207.1332	12.25	11.62	10.69	8.87	11.28
207.2397	12.25	11.60	10.69	8.93	11.22
207.3462	12.25	11.57	10.69	8.99	11.19
207.4527	12.24	11.56	10.68	9.07	11.15
207.5592	12.24	11.59	10.72	9.09	11.13
207.6657	12.24	11.55	10.73	9.08	11.11
207.7722	12.25	11.59	10.73	9.07	11.13
207.8787	12.24	11.59	10.72	9.03	11.18
207.9852	12.24	11.64	10.72	8.95	11.19
208.0917	12.24	11.64	10.66	8.90	11.23
208.1982	12.25	11.65	10.67	8.85	11.27
208.3047	12.24	11.65	10.68	8.83	11.33
208.4112	12.24	11.65	10.68	8.80	11.33
208.5177	12.25	11.65	10.64	8.81	11.35
208.6242	12.24	11.63	10.67	8.86	11.35
208.7307	12.24	11.62	10.69	8.93	11.30
208.8372	12.24	11.61	10.74	8.98	11.27
208.9437	12.26	11.61	10.73	9.03	11.21
209.0502	12.26	11.61	10.73	9.07	11.18
209.1567	12.27	11.60	10.74	9.08	11.15
209.2632	12.27	11.61	10.79	9.09	11.16
209.3696	12.29	11.63	10.76	9.06	11.17
209.4761	12.29	11.64	10.74	9.02	11.20
209.5826	12.27	11.64	10.68	8.99	11.28
209.6891	12.28	11.66	10.69	8.95	11.33
209.7956	12.27	11.67	10.67	8.89	11.39
209.9021	12.27	11.66	10.60	8.86	11.42
210.0086	12.26	11.65	10.60	8.85	11.47
210.1151	12.25	11.65	10.61	8.86	11.45
210.2216	12.26	11.64	10.60	8.88	11.41
210.3281	12.26	11.60	10.61	8.93	11.37
210.4346	12.26	11.61	10.67	9.01	11.32
210.5411	12.24	11.58	10.68	9.07	11.28
210.6476	12.24	11.57	10.67	9.13	11.23
210.7541	12.24	11.56	10.67	9.18	11.24
210.8606	12.22	11.57	10.68	9.22	11.23
210.9671	12.22	11.55	10.71	9.23	11.23
211.0736	12.20	11.58	10.66	9.19	11.29
211.1801	12.22	11.61	10.61	9.17	11.31
211.2866	12.21	11.63	10.60	9.12	11.36
211.3931	12.19	11.64	10.61	9.04	11.40
211.4996	12.20	11.66	10.61	8.99	11.45
211.6060	12.21	11.65	10.55	8.98	11.45
211.7125	12.21	11.66	10.57	8.95	11.46
211.8190	12.21	11.62	10.58	8.99	11.45
211.9255	12.22	11.62	10.61	9.02	11.44
212.0320	12.23	11.61	10.61	9.06	11.39
212.1385	12.24	11.59	10.64	9.11	11.34
212.2450	12.24	11.56	10.66	9.16	11.33
212.3515	12.25	11.58	10.68	9.19	11.29
212.4580	12.27	11.59	10.68	9.20	11.26
212.5645	12.27	11.57	10.70	9.19	11.27

212.6710	12.26	11.59	10.68	9.14	11.29
212.7775	12.26	11.62	10.68	9.08	11.33
212.8840	12.26	11.64	10.63	9.03	11.37
212.9905	12.25	11.66	10.63	8.99	11.43
213.0970	12.23	11.66	10.64	8.95	11.43
213.2035	12.23	11.68	10.63	8.88	11.46
213.3100	12.23	11.65	10.58	8.87	11.45
213.4165	12.22	11.67	10.61	8.88	11.44
213.5230	12.22	11.64	10.65	8.91	11.41
213.6295	12.24	11.63	10.70	8.95	11.35
213.7360	12.24	11.59	10.65	9.01	11.30
213.8424	12.24	11.60	10.65	9.06	11.23
213.9489	12.24	11.57	10.68	9.11	11.23
214.0554	12.24	11.56	10.69	9.14	11.21
214.1619	12.23	11.57	10.66	9.13	11.22
214.2684	12.23	11.56	10.67	9.12	11.23
214.3749	12.23	11.57	10.64	9.10	11.25
214.4814	12.21	11.59	10.60	9.04	11.28
214.5879	12.21	11.61	10.59	8.97	11.29
214.6944	12.20	11.61	10.61	8.92	11.35
214.8009	12.20	11.62	10.61	8.86	11.35
214.9074	12.20	11.64	10.60	8.81	11.35
215.0139	12.20	11.61	10.59	8.81	11.36
215.1204	12.21	11.61	10.62	8.83	11.34
215.2269	12.21	11.59	10.67	8.89	11.31
215.3334	12.21	11.59	10.68	8.95	11.26
215.4399	12.24	11.54	10.68	8.98	11.24
215.5464	12.25	11.56	10.67	9.03	11.19
215.6529	12.25	11.57	10.71	9.07	11.17
215.7594	12.26	11.56	10.76	9.08	11.15
215.8659	12.27	11.58	10.74	9.05	11.16
215.9724	12.28	11.60	10.70	9.01	11.19
216.0788	12.27	11.62	10.69	8.96	11.23
216.1853	12.25	11.63	10.72	8.90	11.30
216.2918	12.25	11.65	10.70	8.84	11.33
216.3983	12.25	11.66	10.68	8.79	11.40
216.5048	12.24	11.65	10.67	8.77	11.40
216.6113	12.25	11.64	10.62	8.75	11.41
216.7178	12.26	11.62	10.67	8.77	11.39
216.8243	12.25	11.62	10.69	8.82	11.36
216.9308	12.26	11.57	10.70	8.89	11.31
217.0373	12.27	11.57	10.69	8.97	11.22
217.1438	12.29	11.55	10.67	9.05	11.20
217.2503	12.28	11.53	10.67	9.10	11.17
217.3568	12.26	11.54	10.72	9.16	11.17
217.4633	12.26	11.54	10.75	9.17	11.18
217.5698	12.24	11.55	10.70	9.16	11.23
217.6763	12.23	11.56	10.63	9.11	11.27
217.7828	12.21	11.61	10.62	9.07	11.31
217.8893	12.20	11.63	10.65	9.01	11.37
217.9958	12.19	11.62	10.67	8.96	11.40
218.1023	12.19	11.65	10.59	8.90	11.42
218.2088	12.20	11.64	10.58	8.90	11.42
218.3152	12.19	11.64	10.58	8.90	11.42
218.4217	12.20	11.59	10.60	8.94	11.40
218.5282	12.20	11.59	10.64	9.01	11.35
218.6347	12.21	11.59	10.67	9.09	11.33
218.7412	12.23	11.55	10.64	9.17	11.27
218.8477	12.24	11.53	10.61	9.21	11.24
218.9542	12.24	11.55	10.68	9.24	11.23
219.0607	12.25	11.57	10.73	9.24	11.25

219.1672	12.26	11.56	10.70	9.21	11.26
219.2737	12.26	11.61	10.66	9.15	11.29
219.3802	12.27	11.63	10.61	9.08	11.36
219.4867	12.26	11.66	10.63	9.02	11.41
219.5932	12.24	11.69	10.63	8.96	11.47
219.6997	12.25	11.68	10.65	8.91	11.50
219.8062	12.26	11.68	10.60	8.87	11.54
219.9127	12.24	11.68	10.54	8.88	11.52
220.0192	12.24	11.67	10.59	8.91	11.49
220.1257	12.25	11.65	10.64	8.96	11.44
220.2322	12.25	11.64	10.66	9.01	11.36
220.3387	12.24	11.63	10.64	9.09	11.31
220.4452	12.24	11.62	10.63	9.17	11.25
220.5516	12.27	11.61	10.67	9.21	11.23
220.6581	12.26	11.59	10.69	9.22	11.20
220.7646	12.24	11.62	10.74	9.23	11.23
220.8711	12.24	11.62	10.70	9.20	11.26
220.9776	12.23	11.62	10.65	9.14	11.27
221.0841	12.23	11.62	10.62	9.05	11.33
221.1906	12.22	11.64	10.68	8.98	11.37
221.2971	12.22	11.65	10.68	8.92	11.41
221.4036	12.22	11.63	10.63	8.87	11.39
221.5101	12.22	11.63	10.61	8.84	11.40
221.6166	12.22	11.62	10.58	8.85	11.37
221.7231	12.22	11.61	10.62	8.90	11.34
221.8296	12.22	11.59	10.67	8.94	11.32
221.9361	12.22	11.59	10.67	9.02	11.25
222.0426	12.22	11.57	10.64	9.08	11.21
222.1491	12.24	11.57	10.63	9.12	11.15
222.2556	12.24	11.57	10.69	9.14	11.15
222.3621	12.25	11.58	10.77	9.10	11.13
222.4686	12.26	11.58	10.75	9.06	11.16
222.5751	12.26	11.61	10.71	8.99	11.19
222.6816	12.26	11.64	10.68	8.92	11.23
222.7880	12.27	11.65	10.72	8.84	11.26
222.8945	12.27	11.68	10.75	8.79	11.31
223.0010	12.26	11.68	10.76	8.75	11.37
223.1075	12.26	11.67	10.69	8.74	11.36
223.2140	12.27	11.66	10.68	8.76	11.34
223.3205	12.28	11.66	10.69	8.78	11.32
223.4270	12.26	11.65	10.75	8.85	11.26
223.5335	12.27	11.63	10.73	8.91	11.21
223.6400	12.28	11.62	10.73	8.97	11.14
223.7465	12.28	11.60	10.73	9.01	11.12
223.8530	12.29	11.60	10.71	9.04	11.08
223.9595	12.28	11.60	10.75	9.05	11.09
224.0660	12.29	11.60	10.80	9.04	11.12
224.1725	12.27	11.60	10.73	9.01	11.17
224.2790	12.26	11.62	10.66	8.95	11.21
224.3855	12.26	11.64	10.66	8.89	11.25
224.4920	12.25	11.64	10.72	8.85	11.32
224.5985	12.24	11.66	10.70	8.81	11.32
224.7050	12.23	11.66	10.67	8.77	11.34
224.8115	12.24	11.64	10.62	8.79	11.33
224.9180	12.23	11.64	10.66	8.82	11.30
225.0244	12.23	11.61	10.68	8.88	11.25
225.1309	12.23	11.63	10.71	8.97	11.22
225.2374	12.24	11.59	10.69	9.05	11.20
225.3439	12.24	11.58	10.66	9.09	11.14
225.4504	12.24	11.59	10.66	9.12	11.14
225.5569	12.25	11.59	10.71	9.15	11.14

225.6634	12.25	11.60	10.73	9.14	11.17
225.7699	12.26	11.61	10.71	9.08	11.19
225.8764	12.26	11.65	10.68	9.02	11.23
225.9829	12.27	11.67	10.65	8.96	11.29
226.0894	12.27	11.68	10.64	8.91	11.34
226.1959	12.24	11.67	10.70	8.86	11.40
226.3024	12.26	11.70	10.71	8.85	11.42
226.4089	12.27	11.69	10.64	8.87	11.43
226.5154	12.27	11.65	10.60	8.90	11.41
226.6219	12.26	11.67	10.65	8.96	11.39
226.7284	12.27	11.64	10.71	9.02	11.35
226.8349	12.28	11.64	10.69	9.07	11.30
226.9414	12.28	11.62	10.69	9.13	11.29
227.0479	12.27	11.62	10.67	9.17	11.22
227.1544	12.27	11.62	10.69	9.18	11.22
227.2608	12.28	11.61	10.70	9.17	11.22
227.3673	12.25	11.64	10.72	9.15	11.28
227.4738	12.25	11.63	10.70	9.10	11.30
227.5803	12.25	11.66	10.67	9.04	11.34
227.6868	12.22	11.67	10.63	9.02	11.40
227.7933	12.21	11.69	10.66	8.98	11.40
227.8998	12.21	11.66	10.65	8.96	11.41
228.0063	12.21	11.66	10.67	8.92	11.40
228.1128	12.21	11.67	10.62	8.93	11.40
228.2193	12.22	11.63	10.61	8.97	11.35
228.3258	12.23	11.62	10.63	9.03	11.31
228.4323	12.23	11.59	10.70	9.07	11.27
228.5388	12.23	11.60	10.68	9.13	11.23
228.6453	12.25	11.59	10.65	9.18	11.20
228.7518	12.25	11.58	10.67	9.18	11.20
228.8583	12.25	11.60	10.72	9.16	11.21
228.9648	12.24	11.61	10.70	9.13	11.21
229.0713	12.26	11.65	10.72	9.08	11.24
229.1778	12.24	11.66	10.67	9.01	11.26
229.2843	12.24	11.68	10.68	8.93	11.30
229.3908	12.25	11.69	10.65	8.86	11.36
229.4972	12.25	11.69	10.66	8.83	11.36
229.6037	12.24	11.69	10.65	8.81	11.39
229.7102	12.25	11.67	10.64	8.81	11.38
229.8167	12.26	11.65	10.64	8.85	11.37
229.9232	12.28	11.65	10.62	8.90	11.32
230.0297	12.28	11.62	10.68	8.95	11.26
230.1362	12.29	11.61	10.73	9.01	11.22
230.2427	12.29	11.59	10.73	9.04	11.17
230.3492	12.30	11.60	10.71	9.05	11.13
230.4557	12.28	11.58	10.75	9.05	11.10
230.5622	12.29	11.59	10.79	9.02	11.13
230.6687	12.27	11.60	10.78	8.99	11.15
230.7752	12.25	11.63	10.74	8.96	11.20
230.8817	12.23	11.63	10.70	8.89	11.26
230.9882	12.23	11.65	10.70	8.84	11.29
231.0947	12.22	11.66	10.68	8.80	11.33
231.2012	12.22	11.65	10.63	8.79	11.34
231.3077	12.21	11.63	10.64	8.78	11.35
231.4142	12.22	11.62	10.61	8.80	11.31
231.5207	12.23	11.60	10.64	8.83	11.27
231.6272	12.23	11.58	10.63	8.89	11.24
231.7336	12.24	11.56	10.66	8.95	11.18
231.8401	12.24	11.53	10.69	9.01	11.15
231.9466	12.24	11.52	10.71	9.05	11.12
232.0531	12.23	11.52	10.70	9.08	11.13

232.1596	12.24	11.54	10.75	9.09	11.11
232.2661	12.24	11.56	10.75	9.05	11.15
232.3726	12.23	11.58	10.73	9.00	11.21
232.4791	12.22	11.63	10.67	8.94	11.25
232.5856	12.23	11.64	10.69	8.90	11.28
232.6921	12.23	11.67	10.66	8.85	11.31
232.7986	12.23	11.66	10.66	8.81	11.36
232.9051	12.23	11.66	10.61	8.82	11.37
233.0116	12.22	11.66	10.62	8.83	11.39
233.1181	12.23	11.63	10.63	8.87	11.36
233.2246	12.23	11.64	10.68	8.92	11.31
233.3311	12.25	11.62	10.66	9.02	11.28
233.4376	12.25	11.60	10.66	9.06	11.23
233.5441	12.25	11.60	10.67	9.10	11.21
233.6506	12.26	11.60	10.70	9.13	11.18
233.7571	12.27	11.59	10.71	9.13	11.22
233.8636	12.26	11.61	10.70	9.12	11.24
233.9700	12.24	11.62	10.65	9.08	11.29
234.0765	12.25	11.61	10.65	9.04	11.34
234.1830	12.24	11.64	10.61	8.99	11.39
234.2895	12.21	11.64	10.59	8.96	11.44
234.3960	12.21	11.65	10.60	8.92	11.45
234.5025	12.21	11.64	10.57	8.91	11.49
234.6090	12.21	11.63	10.54	8.92	11.46
234.7155	12.20	11.64	10.56	8.96	11.42
234.8220	12.21	11.61	10.60	9.02	11.37
234.9285	12.22	11.60	10.60	9.07	11.32
235.0350	12.22	11.58	10.60	9.13	11.29
235.1415	12.21	11.57	10.61	9.19	11.26
235.2480	12.21	11.57	10.65	9.23	11.26
235.3545	12.23	11.55	10.66	9.25	11.23
235.4610	12.22	11.56	10.66	9.24	11.27
235.5675	12.21	11.57	10.62	9.21	11.30
235.6740	12.21	11.61	10.61	9.15	11.34
235.7805	12.21	11.60	10.61	9.07	11.39
235.8870	12.20	11.64	10.62	9.00	11.44
235.9935	12.21	11.65	10.59	8.94	11.45
236.1000	12.21	11.65	10.56	8.91	11.44
236.2064	12.21	11.64	10.57	8.89	11.45
236.3129	12.22	11.63	10.63	8.89	11.45
236.4194	12.22	11.64	10.61	8.94	11.43
236.5259	12.22	11.60	10.66	9.00	11.37
236.6324	12.23	11.60	10.64	9.05	11.32
236.7389	12.25	11.57	10.65	9.10	11.28
236.8454	12.26	11.57	10.67	9.15	11.22
236.9519	12.25	11.58	10.73	9.15	11.22
237.0584	12.27	11.54	10.74	9.13	11.21
237.1649	12.28	11.57	10.68	9.10	11.23
237.2714	12.27	11.58	10.66	9.06	11.26
237.3779	12.25	11.60	10.66	9.01	11.32
237.4844	12.25	11.60	10.65	8.95	11.36
237.5909	12.24	11.62	10.67	8.89	11.38
237.6974	12.22	11.63	10.64	8.84	11.42
237.8039	12.21	11.61	10.62	8.82	11.41
237.9104	12.21	11.62	10.61	8.82	11.39
238.0169	12.22	11.61	10.68	8.85	11.34
238.1234	12.21	11.61	10.69	8.90	11.30
238.2299	12.21	11.57	10.67	8.96	11.23
238.3364	12.22	11.56	10.64	9.02	11.17
238.4428	12.23	11.56	10.66	9.06	11.16
238.5493	12.22	11.53	10.69	9.10	11.13

238.6558	12.22	11.54	10.68	9.11	11.14
238.7623	12.24	11.52	10.67	9.08	11.16
238.8688	12.24	11.56	10.64	9.03	11.21
238.9753	12.22	11.57	10.58	8.98	11.24
239.0818	12.22	11.60	10.63	8.91	11.28
239.1883	12.22	11.62	10.65	8.84	11.34
239.2948	12.23	11.63	10.63	8.80	11.35
239.4013	12.22	11.64	10.58	8.77	11.36
239.5078	12.22	11.62	10.60	8.76	11.35
239.6143	12.22	11.62	10.63	8.80	11.33
239.7208	12.22	11.59	10.65	8.85	11.29
239.8273	12.22	11.58	10.69	8.93	11.25
239.9338	12.23	11.58	10.66	9.00	11.22
240.0403	12.24	11.56	10.64	9.04	11.17
240.1468	12.24	11.56	10.67	9.06	11.17
240.2533	12.25	11.58	10.75	9.08	11.15
240.3598	12.25	11.58	10.75	9.07	11.18
240.4663	12.25	11.59	10.68	9.03	11.19
240.5728	12.25	11.62	10.66	8.97	11.25
240.6792	12.24	11.62	10.68	8.92	11.32
240.7857	12.22	11.64	10.69	8.88	11.35
240.8922	12.21	11.65	10.68	8.85	11.41
240.9987	12.21	11.64	10.67	8.82	11.43
241.1052	12.22	11.63	10.62	8.84	11.42
241.2117	12.22	11.63	10.57	8.86	11.37
241.3182	12.22	11.60	10.64	8.90	11.36
241.4247	12.23	11.58	10.66	8.96	11.32
241.5312	12.23	11.57	10.64	9.05	11.27
241.6377	12.23	11.57	10.60	9.10	11.23
241.7442	12.22	11.55	10.59	9.16	11.20
241.8507	12.23	11.54	10.62	9.19	11.21
241.9572	12.22	11.56	10.68	9.20	11.21
242.0637	12.20	11.58	10.68	9.18	11.26
242.1702	12.20	11.57	10.60	9.13	11.29
242.2767	12.20	11.61	10.56	9.07	11.33
242.3832	12.19	11.62	10.65	9.00	11.39
242.4897	12.18	11.65	10.67	8.98	11.40
242.5962	12.18	11.65	10.64	8.92	11.42
242.7027	12.20	11.64	10.60	8.90	11.43
242.8092	12.20	11.63	10.61	8.90	11.44
242.9156	12.22	11.62	10.60	8.95	11.40
243.0221	12.22	11.60	10.64	9.03	11.37
243.1286	12.23	11.59	10.66	9.10	11.35
243.2351	12.23	11.58	10.65	9.16	11.30
243.3416	12.24	11.58	10.59	9.19	11.25
243.4481	12.26	11.58	10.62	9.22	11.25
243.5546	12.26	11.58	10.70	9.19	11.26
243.6611	12.26	11.60	10.72	9.15	11.25
243.7676	12.26	11.63	10.66	9.11	11.27
243.8741	12.27	11.62	10.64	9.03	11.31
243.9806	12.26	11.65	10.65	8.97	11.37
244.0871	12.25	11.65	10.67	8.91	11.41
244.1936	12.25	11.67	10.70	8.89	11.44
244.3001	12.24	11.65	10.64	8.88	11.47
244.4066	12.24	11.63	10.57	8.89	11.42
244.5131	12.25	11.63	10.62	8.91	11.41
244.6196	12.24	11.60	10.68	8.98	11.36
244.7261	12.25	11.60	10.69	9.02	11.30
244.8326	12.26	11.57	10.65	9.07	11.23
244.9391	12.26	11.59	10.66	9.12	11.19
245.0456	12.25	11.57	10.68	9.14	11.16

245.1520	12.24	11.58	10.71	9.14	11.14
245.2585	12.23	11.59	10.74	9.12	11.17
245.3650	12.23	11.60	10.73	9.07	11.20
245.4715	12.21	11.62	10.67	9.01	11.24
245.5780	12.22	11.63	10.62	8.94	11.28
245.6845	12.22	11.65	10.66	8.89	11.32
245.7910	12.22	11.64	10.70	8.82	11.35
245.8975	12.21	11.64	10.65	8.79	11.35
246.0040	12.22	11.63	10.60	8.79	11.35
246.1105	12.25	11.60	10.60	8.82	11.30
246.2170	12.25	11.59	10.65	8.86	11.28
246.3235	12.25	11.55	10.71	8.93	11.23
246.4300	12.25	11.57	10.72	8.99	11.19
246.5365	12.26	11.53	10.69	9.04	11.15
246.6430	12.25	11.53	10.69	9.08	11.11
246.7495	12.25	11.55	10.75	9.08	11.13
246.8560	12.26	11.56	10.77	9.06	11.12
246.9625	12.27	11.60	10.75	9.00	11.15
247.0690	12.26	11.62	10.73	8.92	11.20
247.1755	12.26	11.66	10.72	8.86	11.25
247.2820	12.25	11.68	10.68	8.82	11.28
247.3884	12.25	11.69	10.69	8.76	11.32
247.4949	12.24	11.70	10.70	8.74	11.35
247.6014	12.24	11.69	10.67	8.75	11.34
247.7079	12.24	11.68	10.62	8.78	11.34
247.8144	12.25	11.65	10.65	8.83	11.29
247.9209	12.25	11.64	10.69	8.90	11.27
248.0274	12.25	11.60	10.73	8.96	11.19
248.1339	12.25	11.60	10.69	9.02	11.14
248.2404	12.26	11.58	10.68	9.05	11.11
248.3469	12.26	11.57	10.70	9.06	11.09
248.4534	12.26	11.57	10.73	9.07	11.12
248.5599	12.25	11.58	10.73	9.04	11.16
248.6664	12.24	11.60	10.70	9.01	11.20
248.7729	12.24	11.61	10.63	8.95	11.22
248.8794	12.23	11.64	10.64	8.92	11.29
248.9859	12.22	11.66	10.61	8.88	11.33
249.0924	12.21	11.65	10.62	8.85	11.35
249.1989	12.21	11.68	10.61	8.83	11.38
249.3054	12.21	11.67	10.61	8.84	11.36
249.4119	12.20	11.66	10.58	8.89	11.32
249.5184	12.21	11.64	10.61	8.95	11.27
249.6248	12.23	11.62	10.68	9.01	11.25
249.7313	12.22	11.61	10.70	9.07	11.22
249.8378	12.23	11.61	10.70	9.13	11.19
249.9443	12.24	11.60	10.67	9.16	11.19
250.0508	12.26	11.58	10.71	9.17	11.18
250.1573	12.25	11.61	10.76	9.14	11.20
250.2638	12.25	11.60	10.74	9.10	11.22
250.3703	12.27	11.63	10.70	9.04	11.29
250.4768	12.27	11.65	10.66	8.96	11.32
250.5833	12.25	11.67	10.68	8.91	11.36
250.6898	12.25	11.66	10.65	8.90	11.40
250.7963	12.25	11.69	10.65	8.90	11.42
250.9028	12.25	11.68	10.65	8.89	11.42
251.0093	12.26	11.67	10.62	8.92	11.40
251.1158	12.26	11.66	10.63	8.96	11.39
251.2223	12.25	11.64	10.64	9.03	11.33
251.3288	12.25	11.62	10.68	9.07	11.29
251.4353	12.27	11.61	10.67	9.11	11.24
251.5418	12.27	11.61	10.68	9.15	11.20

251.6483	12.26	11.58	10.67	9.15	11.18
251.7548	12.26	11.57	10.71	9.13	11.20
251.8612	12.25	11.58	10.72	9.10	11.24
251.9677	12.24	11.60	10.70	9.07	11.26
252.0742	12.22	11.62	10.66	9.01	11.31
252.1807	12.22	11.62	10.65	8.96	11.35
252.2872	12.21	11.66	10.65	8.94	11.36
252.3937	12.20	11.65	10.67	8.92	11.38
252.5002	12.19	11.65	10.62	8.89	11.37
252.6067	12.20	11.64	10.62	8.90	11.36
252.7132	12.21	11.63	10.63	8.93	11.29
252.8197	12.22	11.61	10.68	8.97	11.27
252.9262	12.22	11.59	10.65	9.02	11.21
253.0327	12.22	11.58	10.69	9.07	11.19
253.1392	12.24	11.57	10.67	9.10	11.16
253.2457	12.25	11.57	10.69	9.11	11.15
253.3522	12.25	11.57	10.70	9.10	11.17
253.4587	12.26	11.58	10.72	9.06	11.18
253.5652	12.27	11.62	10.69	9.02	11.23
253.6717	12.27	11.63	10.66	8.95	11.26
253.7782	12.25	11.66	10.64	8.90	11.29
253.8847	12.25	11.66	10.67	8.83	11.33
253.9912	12.25	11.69	10.67	8.79	11.37
254.0976	12.25	11.67	10.66	8.79	11.38
254.2041	12.24	11.67	10.64	8.79	11.36
254.3106	12.25	11.65	10.65	8.81	11.34
254.4171	12.25	11.64	10.68	8.86	11.28
254.5236	12.25	11.65	10.70	8.92	11.23
254.6301	12.24	11.61	10.70	8.95	11.18
254.7366	12.26	11.61	10.68	8.99	11.15
254.8431	12.25	11.60	10.68	9.02	11.13
254.9496	12.25	11.60	10.72	9.03	11.12
255.0561	12.25	11.59	10.70	9.03	11.14
255.1626	12.24	11.59	10.65	8.99	11.15
255.2691	12.22	11.61	10.64	8.95	11.22
255.3756	12.22	11.60	10.65	8.91	11.26
255.4821	12.21	11.62	10.63	8.87	11.30
255.5886	12.19	11.61	10.62	8.83	11.33
255.6951	12.19	11.61	10.60	8.83	11.34
255.8016	12.20	11.60	10.59	8.83	11.34
255.9081	12.19	11.60	10.62	8.85	11.28
256.0146	12.20	11.58	10.63	8.88	11.27
256.1211	12.20	11.55	10.66	8.93	11.24
256.2276	12.20	11.57	10.63	8.99	11.20
256.3340	12.20	11.54	10.64	9.05	11.16
256.4405	12.20	11.54	10.66	9.09	11.16
256.5470	12.21	11.56	10.70	9.11	11.17
256.6535	12.22	11.57	10.68	9.11	11.18
256.7600	12.20	11.58	10.69	9.08	11.22
256.8665	12.22	11.59	10.65	9.02	11.26
256.9730	12.22	11.64	10.64	8.97	11.30
257.0795	12.23	11.65	10.65	8.92	11.34
257.1860	12.23	11.66	10.67	8.89	11.37
257.2925	12.23	11.65	10.62	8.85	11.39
257.3990	12.24	11.64	10.62	8.84	11.40
257.5055	12.24	11.64	10.61	8.86	11.41
257.6120	12.24	11.61	10.64	8.91	11.37
257.7185	12.24	11.61	10.64	8.97	11.34
257.8250	12.25	11.59	10.67	9.03	11.30
257.9315	12.24	11.58	10.66	9.09	11.27
258.0380	12.24	11.57	10.65	9.11	11.24

258.1445	12.25	11.59	10.68	9.13	11.21
258.2510	12.25	11.59	10.70	9.14	11.23
258.3575	12.25	11.58	10.67	9.11	11.25
258.4640	12.23	11.60	10.62	9.09	11.28
258.5704	12.24	11.59	10.62	9.06	11.33
258.6769	12.22	11.62	10.63	8.99	11.40
258.7834	12.21	11.61	10.59	8.96	11.44
258.8899	12.20	11.62	10.61	8.94	11.46
258.9964	12.20	11.61	10.57	8.93	11.47
259.1029	12.21	11.59	10.56	8.93	11.43
259.2094	12.21	11.59	10.58	8.97	11.42
259.3159	12.21	11.58	10.65	9.01	11.36
259.4224	12.21	11.55	10.67	9.08	11.30
259.5289	12.21	11.54	10.60	9.13	11.24
259.6354	12.22	11.54	10.63	9.19	11.22
259.7419	12.21	11.52	10.66	9.22	11.21
259.8484	12.21	11.52	10.67	9.22	11.19
259.9549	12.21	11.54	10.67	9.19	11.22
260.0614	12.22	11.55	10.64	9.15	11.26
260.1679	12.21	11.57	10.60	9.09	11.31
260.2744	12.21	11.59	10.59	9.01	11.35
260.3809	12.22	11.64	10.66	8.94	11.40
260.4874	12.24	11.64	10.65	8.88	11.44
260.5939	12.23	11.65	10.61	8.84	11.44
260.7004	12.22	11.64	10.59	8.85	11.43
260.8068	12.24	11.63	10.61	8.86	11.42
260.9133	12.24	11.61	10.65	8.90	11.39
261.0198	12.24	11.59	10.66	8.95	11.32
261.1263	12.23	11.58	10.70	9.03	11.29
261.2328	12.25	11.57	10.64	9.06	11.23
261.3393	12.25	11.56	10.64	9.10	11.20
261.4458	12.24	11.57	10.68	9.10	11.18
261.5523	12.23	11.57	10.74	9.09	11.19
261.6588	12.25	11.58	10.69	9.04	11.21
261.7653	12.25	11.60	10.63	8.98	11.25
261.8718	12.23	11.58	10.63	8.93	11.31
261.9783	12.21	11.60	10.66	8.88	11.34
262.0848	12.21	11.64	10.65	8.84	11.37
262.1913	12.20	11.61	10.65	8.82	11.38
262.2978	12.19	11.62	10.62	8.82	11.37
262.4043	12.18	11.61	10.59	8.83	11.34
262.5108	12.19	11.59	10.63	8.88	11.31
262.6173	12.19	11.59	10.67	8.93	11.28
262.7238	12.19	11.57	10.67	8.98	11.19
262.8303	12.20	11.56	10.64	9.05	11.14
262.9368	12.20	11.54	10.61	9.08	11.13
263.0432	12.20	11.54	10.62	9.09	11.14
263.1497	12.21	11.55	10.65	9.08	11.16
263.2562	12.20	11.55	10.65	9.07	11.19
263.3627	12.20	11.57	10.60	9.02	11.24
263.4692	12.21	11.59	10.56	8.94	11.26
263.5757	12.21	11.62	10.57	8.88	11.31
263.6822	12.20	11.61	10.64	8.82	11.34
263.7887	12.20	11.65	10.66	8.77	11.36
263.8952	12.22	11.65	10.59	8.75	11.36
264.0017	12.21	11.65	10.60	8.79	11.34
264.1082	12.21	11.63	10.64	8.82	11.32
264.2147	12.21	11.59	10.66	8.89	11.28
264.3212	12.23	11.60	10.69	8.96	11.26
264.4277	12.24	11.58	10.69	9.03	11.22
264.5342	12.24	11.57	10.63	9.07	11.19

264.6407	12.25	11.55	10.64	9.09	11.17
264.7472	12.26	11.57	10.71	9.10	11.19
264.8537	12.26	11.58	10.72	9.07	11.19
264.9602	12.25	11.57	10.67	9.03	11.21
265.0667	12.25	11.60	10.65	8.96	11.28
265.1732	12.24	11.61	10.65	8.91	11.32
265.2796	12.23	11.61	10.66	8.88	11.36
265.3861	12.21	11.62	10.67	8.85	11.39
265.4926	12.19	11.63	10.66	8.86	11.42
265.5991	12.20	11.62	10.61	8.88	11.42
265.7056	12.20	11.62	10.58	8.91	11.38
265.8121	12.19	11.60	10.63	8.96	11.36
265.9186	12.21	11.58	10.68	9.03	11.30
266.0251	12.22	11.58	10.66	9.09	11.26
266.1316	12.23	11.54	10.63	9.15	11.21
266.2381	12.22	11.55	10.63	9.18	11.19
266.3446	12.23	11.52	10.67	9.19	11.18
266.4511	12.23	11.52	10.67	9.18	11.20
266.5576	12.23	11.56	10.68	9.15	11.25
266.6641	12.22	11.56	10.65	9.10	11.28
266.7706	12.21	11.58	10.60	9.04	11.33
266.8771	12.21	11.61	10.61	8.98	11.37
266.9836	12.21	11.64	10.64	8.93	11.39
267.0901	12.21	11.65	10.62	8.90	11.40
267.1966	12.21	11.65	10.59	8.89	11.41
267.3031	12.22	11.65	10.57	8.91	11.40
267.4096	12.23	11.64	10.62	8.95	11.37
267.5160	12.24	11.62	10.65	9.01	11.34
267.6225	12.23	11.59	10.66	9.05	11.29
267.7290	12.24	11.60	10.65	9.12	11.27
267.8355	12.26	11.57	10.63	9.16	11.23
267.9420	12.26	11.56	10.67	9.15	11.23
268.0485	12.26	11.57	10.70	9.13	11.24
268.1550	12.27	11.59	10.74	9.09	11.25
268.2615	12.27	11.60	10.69	9.04	11.30
268.3680	12.27	11.61	10.66	8.99	11.32
268.4745	12.25	11.65	10.65	8.93	11.35
268.5810	12.25	11.64	10.66	8.88	11.37
268.6875	12.24	11.65	10.67	8.87	11.42
268.7940	12.23	11.65	10.63	8.86	11.41
268.9005	12.22	11.64	10.60	8.90	11.38
269.0070	12.22	11.64	10.56	8.94	11.35
269.1135	12.22	11.62	10.62	8.97	11.30
269.2200	12.21	11.61	10.67	9.02	11.24
269.3265	12.22	11.60	10.64	9.07	11.18
269.4330	12.23	11.58	10.66	9.09	11.17
269.5395	12.22	11.58	10.66	9.09	11.14
269.6460	12.21	11.58	10.70	9.09	11.13
269.7524	12.22	11.57	10.71	9.06	11.16
269.8589	12.22	11.58	10.74	9.02	11.19
269.9654	12.21	11.60	10.70	8.96	11.24
270.0719	12.21	11.61	10.65	8.89	11.27
270.1784	12.21	11.63	10.66	8.85	11.32
270.2849	12.21	11.63	10.64	8.82	11.33
270.3914	12.22	11.64	10.66	8.79	11.32
270.4979	12.23	11.64	10.62	8.78	11.31
270.6044	12.23	11.63	10.59	8.82	11.27
270.7109	12.24	11.61	10.63	8.85	11.24
270.8174	12.24	11.60	10.65	8.90	11.22
270.9239	12.24	11.60	10.68	8.96	11.19
271.0304	12.25	11.59	10.67	8.99	11.15

271.1369	12.25	11.58	10.69	9.02	11.13
271.2434	12.26	11.59	10.71	9.03	11.14
271.3499	12.25	11.59	10.75	9.00	11.14
271.4564	12.25	11.60	10.74	8.96	11.17
271.5629	12.25	11.62	10.71	8.91	11.20
271.6694	12.26	11.64	10.72	8.85	11.24
271.7759	12.24	11.64	10.70	8.83	11.26
271.8824	12.23	11.65	10.69	8.80	11.30
271.9889	12.23	11.64	10.68	8.80	11.32
272.0953	12.24	11.66	10.68	8.81	11.32
272.2018	12.24	11.64	10.66	8.83	11.31
272.3083	12.22	11.63	10.64	8.87	11.28
272.4148	12.22	11.63	10.66	8.94	11.24
272.5213	12.24	11.61	10.69	9.00	11.18
272.6278	12.24	11.61	10.69	9.03	11.16
272.7343	12.23	11.60	10.66	9.05	11.14
272.8408	12.24	11.59	10.67	9.07	11.11
272.9473	12.24	11.58	10.72	9.06	11.14
273.0538	12.24	11.58	10.71	9.04	11.18
273.1603	12.24	11.58	10.66	9.00	11.22
273.2668	12.24	11.60	10.64	8.96	11.25
273.3733	12.23	11.60	10.65	8.92	11.32
273.4798	12.23	11.61	10.64	8.89	11.35
273.5863	12.22	11.64	10.64	8.88	11.37
273.6928	12.23	11.63	10.62	8.88	11.37
273.7993	12.24	11.63	10.63	8.88	11.34
273.9058	12.24	11.64	10.64	8.92	11.31
274.0123	12.24	11.61	10.67	8.97	11.25
274.1188	12.24	11.61	10.69	9.04	11.23
274.2253	12.24	11.60	10.71	9.07	11.20
274.3317	12.24	11.60	10.71	9.11	11.18
274.4382	12.25	11.59	10.72	9.13	11.18
274.5447	12.24	11.60	10.71	9.13	11.20
274.6512	12.25	11.61	10.72	9.11	11.22
274.7577	12.25	11.62	10.71	9.06	11.25
274.8642	12.26	11.64	10.65	9.01	11.31
274.9707	12.25	11.65	10.63	8.96	11.35
275.0772	12.24	11.65	10.66	8.92	11.40
275.1837	12.25	11.65	10.65	8.90	11.43
275.2902	12.25	11.65	10.61	8.91	11.43
275.3967	12.23	11.64	10.59	8.91	11.41
275.5032	12.23	11.63	10.65	8.95	11.40
275.6097	12.24	11.61	10.68	9.00	11.34
275.7162	12.24	11.61	10.67	9.03	11.28
275.8227	12.23	11.59	10.67	9.09	11.25
275.9292	12.25	11.57	10.67	9.13	11.21
276.0357	12.24	11.59	10.67	9.14	11.18
276.1422	12.24	11.58	10.67	9.14	11.16
276.2487	12.22	11.58	10.67	9.13	11.19
276.3552	12.22	11.59	10.64	9.09	11.23
276.4617	12.23	11.60	10.61	9.04	11.26
276.5681	12.21	11.63	10.58	8.98	11.33
276.6746	12.20	11.63	10.58	8.94	11.36
276.7811	12.19	11.65	10.60	8.90	11.38
276.8876	12.19	11.64	10.61	8.87	11.38
276.9941	12.18	11.65	10.60	8.86	11.38
277.1006	12.20	11.63	10.57	8.87	11.35
277.2071	12.20	11.62	10.63	8.90	11.30
277.3136	12.21	11.61	10.70	8.94	11.27
277.4201	12.23	11.59	10.68	9.00	11.20
277.5266	12.23	11.58	10.63	9.05	11.17

277.6331	12.24	11.57	10.69	9.07	11.16
277.7396	12.24	11.58	10.72	9.07	11.17
277.8461	12.26	11.58	10.66	9.06	11.17
277.9526	12.26	11.59	10.67	9.04	11.19
278.0591	12.24	11.62	10.66	8.98	11.23
278.1656	12.24	11.62	10.65	8.92	11.26
278.2721	12.24	11.66	10.64	8.86	11.29
278.3786	12.23	11.65	10.66	8.81	11.32
278.4851	12.22	11.65	10.66	8.78	11.35
278.5916	12.21	11.65	10.62	8.77	11.33
278.6981	12.22	11.65	10.64	8.79	11.32
278.8045	12.21	11.62	10.64	8.83	11.30
278.9110	12.21	11.61	10.68	8.87	11.27
279.0175	12.22	11.60	10.70	8.94	11.22
279.1240	12.24	11.59	10.69	8.98	11.18
279.2305	12.24	11.57	10.66	9.01	11.15
279.3370	12.24	11.57	10.66	9.02	11.10
279.4435	12.24	11.58	10.74	9.03	11.11
279.5500	12.24	11.56	10.71	9.02	11.13
279.6565	12.22	11.57	10.63	8.99	11.16
279.7630	12.21	11.57	10.61	8.95	11.21
279.8695	12.21	11.58	10.64	8.89	11.26
279.9760	12.20	11.60	10.64	8.86	11.31
280.0825	12.19	11.60	10.61	8.83	11.33
280.1890	12.19	11.60	10.63	8.82	11.35
280.2955	12.19	11.60	10.59	8.83	11.34
280.4020	12.20	11.60	10.58	8.84	11.32
280.5085	12.21	11.59	10.64	8.89	11.29
280.6150	12.21	11.56	10.68	8.94	11.26
280.7215	12.23	11.55	10.68	9.01	11.22
280.8280	12.23	11.54	10.64	9.06	11.19
280.9345	12.24	11.53	10.66	9.10	11.19
281.0409	12.24	11.53	10.69	9.12	11.17
281.1474	12.23	11.56	10.73	9.13	11.19
281.2539	12.23	11.56	10.70	9.09	11.24
281.3604	12.23	11.59	10.66	9.03	11.26
281.4669	12.23	11.62	10.62	8.98	11.30
281.5734	12.23	11.63	10.68	8.92	11.34
281.6799	12.22	11.66	10.71	8.88	11.39
281.7864	12.22	11.65	10.66	8.85	11.38
281.8929	12.23	11.64	10.60	8.86	11.40
281.9994	12.21	11.62	10.62	8.88	11.40
282.1059	12.22	11.61	10.65	8.92	11.40
282.2124	12.23	11.59	10.65	8.99	11.36
282.3189	12.23	11.57	10.64	9.07	11.31
282.4254	12.22	11.57	10.63	9.12	11.29
282.5319	12.24	11.55	10.60	9.15	11.24
282.6384	12.25	11.56	10.61	9.17	11.24
282.7449	12.24	11.56	10.67	9.15	11.25
282.8514	12.23	11.56	10.67	9.14	11.27
282.9579	12.23	11.58	10.60	9.09	11.31
283.0644	12.22	11.59	10.57	9.04	11.35
283.1709	12.20	11.59	10.58	9.00	11.39
283.2773	12.20	11.60	10.61	8.96	11.41
283.3838	12.19	11.61	10.61	8.93	11.46
283.4903	12.18	11.59	10.57	8.93	11.45
283.5968	12.18	11.61	10.52	8.96	11.42
283.7033	12.17	11.60	10.56	8.99	11.39
283.8098	12.19	11.59	10.63	9.03	11.35
283.9163	12.18	11.58	10.64	9.07	11.30
284.0228	12.19	11.57	10.61	9.12	11.25

284.1293	12.20	11.57	10.58	9.16	11.24
284.2358	12.21	11.55	10.63	9.18	11.23
284.3423	12.21	11.55	10.63	9.17	11.24
284.4488	12.21	11.56	10.66	9.17	11.25
284.5553	12.21	11.58	10.66	9.12	11.31
284.6618	12.22	11.59	10.61	9.04	11.34
284.7683	12.22	11.60	10.56	8.96	11.36
284.8748	12.22	11.63	10.62	8.90	11.40
284.9813	12.22	11.62	10.66	8.87	11.39
285.0878	12.22	11.63	10.63	8.84	11.39
285.1943	12.23	11.61	10.58	8.83	11.38
285.3008	12.22	11.61	10.59	8.86	11.36
285.4073	12.22	11.60	10.61	8.91	11.32
285.5137	12.22	11.59	10.66	8.96	11.29
285.6202	12.22	11.59	10.65	9.00	11.26
285.7267	12.22	11.56	10.64	9.07	11.21
285.8332	12.21	11.57	10.61	9.06	11.18
285.9397	12.23	11.57	10.67	9.05	11.18
286.0462	12.23	11.57	10.70	9.03	11.19
286.1527	12.22	11.56	10.70	8.99	11.21
286.2592	12.21	11.58	10.64	8.93	11.24
286.3657	12.22	11.59	10.63	8.87	11.28
286.4722	12.22	11.57	10.65	8.82	11.29
286.5787	12.20	11.60	10.63	8.80	11.33
286.6852	12.19	11.59	10.63	8.81	11.33
286.7917	12.19	11.60	10.62	8.82	11.34
286.8982	12.20	11.58	10.61	8.85	11.29
287.0047	12.21	11.58	10.60	8.89	11.26
287.1112	12.20	11.57	10.64	8.94	11.22
287.2177	12.20	11.56	10.67	9.00	11.16
287.3242	12.20	11.55	10.67	9.03	11.15
287.4307	12.21	11.53	10.65	9.04	11.12
287.5372	12.22	11.53	10.62	9.06	11.13
287.6437	12.22	11.54	10.68	9.04	11.15
287.7501	12.22	11.54	10.74	9.00	11.20
287.8566	12.21	11.57	10.67	8.95	11.23
287.9631	12.21	11.57	10.59	8.91	11.27
288.0696	12.22	11.62	10.61	8.85	11.32
288.1761	12.23	11.61	10.68	8.80	11.34
288.2826	12.23	11.63	10.66	8.79	11.36
288.3891	12.22	11.63	10.63	8.79	11.35
288.4956	12.23	11.63	10.64	8.84	11.35
288.6021	12.23	11.62	10.65	8.87	11.29
288.7086	12.24	11.59	10.66	8.93	11.25
288.8151	12.25	11.58	10.68	9.00	11.23
288.9216	12.24	11.59	10.69	9.05	11.20
289.0281	12.23	11.58	10.69	9.08	11.18
289.1346	12.24	11.56	10.66	9.09	11.16
289.2411	12.25	11.56	10.67	9.09	11.20
289.3476	12.24	11.59	10.66	9.06	11.21
289.4541	12.24	11.57	10.70	9.01	11.24
289.5606	12.23	11.60	10.66	8.96	11.30
289.6671	12.22	11.59	10.61	8.92	11.34
289.7736	12.21	11.61	10.60	8.90	11.39
289.8801	12.21	11.61	10.64	8.89	11.41
289.9865	12.20	11.62	10.66	8.90	11.44
290.0930	12.19	11.60	10.58	8.95	11.40
290.1995	12.19	11.61	10.55	9.00	11.37
290.3060	12.20	11.61	10.63	9.04	11.32
290.4125	12.21	11.59	10.64	9.10	11.28
290.5190	12.21	11.57	10.61	9.13	11.24

290.6255	12.21	11.61	10.61	9.18	11.21
290.7320	12.21	11.56	10.65	9.19	11.20
290.8385	12.20	11.57	10.63	9.17	11.19
290.9450	12.21	11.56	10.67	9.14	11.23
291.0515	12.22	11.62	10.63	9.11	11.28
291.1580	12.21	11.61	10.66	9.06	11.32
291.2645	12.21	11.59	10.63	8.99	11.37
291.3710	12.20	11.64	10.60	8.96	11.40
291.4775	12.21	11.65	10.61	8.93	11.42
291.5840	12.21	11.64	10.65	8.91	11.41
291.6905	12.21	11.63	10.65	8.89	11.42
291.7970	12.22	11.64	10.57	8.93	11.40
291.9035	12.23	11.64	10.62	8.97	11.34
292.0100	12.24	11.59	10.64	9.02	11.31
292.1165	12.24	11.58	10.69	9.06	11.27
292.2229	12.25	11.60	10.62	9.09	11.26
292.3294	12.25	11.61	10.63	9.10	11.23
292.4359	12.25	11.59	10.67	9.10	11.24
292.5424	12.26	11.60	10.68	9.07	11.22
292.6489	12.25	11.62	10.66	9.04	11.23
292.7554	12.25	11.63	10.63	8.97	11.26
292.8619	12.24	11.64	10.65	8.93	11.30
292.9684	12.22	11.65	10.63	8.89	11.32
293.0749	12.22	11.63	10.63	8.85	11.34
293.1814	12.21	11.63	10.62	8.84	11.38
293.2879	12.20	11.62	10.60	8.86	11.35
293.3944	12.20	11.62	10.65	8.88	11.33
293.5009	12.21	11.58	10.63	8.91	11.29
293.6074	12.20	11.60	10.64	8.96	11.24
293.7139	12.21	11.58	10.64	9.01	11.18
293.8204	12.23	11.55	10.73	9.04	11.13
293.9269	12.23	11.55	10.70	9.05	11.11
294.0334	12.22	11.57	10.70	9.05	11.09
294.1399	12.23	11.57	10.71	9.04	11.10
294.2464	12.23	11.55	10.74	9.00	11.11
294.3529	12.22	11.58	10.71	8.95	11.15
294.4593	12.21	11.63	10.64	8.90	11.20
294.5658	12.22	11.62	10.71	8.86	11.25
294.6723	12.23	11.62	10.70	8.80	11.30
294.7788	12.22	11.64	10.65	8.77	11.30
294.8853	12.22	11.65	10.62	8.77	11.31
294.9918	12.25	11.64	10.64	8.77	11.31
295.0983	12.25	11.62	10.70	8.79	11.27
295.2048	12.25	11.61	10.67	8.83	11.23
295.3113	12.26	11.60	10.70	8.89	11.20
295.4178	12.27	11.57	10.68	8.93	11.17
295.5243	12.27	11.56	10.74	8.97	11.13
295.6308	12.27	11.57	10.75	9.01	11.12
295.7373	12.26	11.57	10.74	9.01	11.11
295.8438	12.27	11.59	10.72	9.00	11.12
295.9503	12.26	11.60	10.75	8.94	11.14
296.0568	12.26	11.62	10.73	8.92	11.20
296.1633	12.25	11.65	10.65	8.89	11.24
296.2698	12.24	11.65	10.66	8.84	11.28
296.3763	12.23	11.64	10.69	8.82	11.30
296.4828	12.24	11.64	10.65	8.83	11.32
296.5893	12.22	11.65	10.59	8.86	11.33
296.6957	12.21	11.64	10.61	8.89	11.33
296.8022	12.21	11.59	10.67	8.92	11.31
296.9087	12.22	11.60	10.66	8.98	11.25
297.0152	12.21	11.58	10.64	9.03	11.19

297.1217	12.22	11.58	10.66	9.08	11.19
297.2282	12.22	11.53	10.69	9.09	11.15
297.3347	12.22	11.55	10.70	9.10	11.14
297.4412	12.22	11.57	10.67	9.10	11.15
297.5477	12.22	11.57	10.67	9.07	11.21
297.6542	12.22	11.57	10.62	9.06	11.24
297.7607	12.22	11.57	10.64	9.01	11.28
297.8672	12.21	11.63	10.63	8.99	11.34
297.9737	12.22	11.66	10.63	8.95	11.37
298.0802	12.22	11.64	10.60	8.91	11.39
298.1867	12.23	11.62	10.61	8.89	11.37
298.2932	12.21	11.66	10.60	8.90	11.38
298.3997	12.22	11.68	10.60	8.95	11.35
298.5062	12.23	11.63	10.69	8.99	11.30
298.6127	12.23	11.60	10.68	9.03	11.28
298.7192	12.22	11.64	10.63	9.07	11.25
298.8257	12.23	11.63	10.63	9.11	11.24
298.9321	12.25	11.60	10.67	9.13	11.25
299.0386	12.23	11.59	10.72	9.14	11.25
299.1451	12.24	11.63	10.67	9.11	11.24
299.2516	12.25	11.64	10.65	9.07	11.29
299.3581	12.25	11.61	10.60	9.03	11.33
299.4646	12.24	11.63	10.63	8.97	11.36
299.5711	12.23	11.66	10.64	8.94	11.38
299.6776	12.24	11.66	10.65	8.91	11.38
299.7841	12.23	11.63	10.61	8.92	11.39
299.8906	12.21	11.62	10.57	8.93	11.37
299.9971	12.21	11.63	10.61	8.94	11.36
300.1036	12.20	11.62	10.64	8.98	11.33

L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_10\Relazione\L10-H.doc
 HEADER 1: Consorzio di Bonifica della Pianura Ferrarese
 HEADER 2: Sistema Irriguo Valle Pega
 HEADER 3: LINEA 10 - Portata massima 250 l/s
 Filename = L10-H.PIC

****
Information found in OUTPUT FILE Name:-
L:\20-206_Distribuzione irrigua Valle Pega\HYTRAN\Linea_10\Relazione\L10-H.lis
****

 RESULTS 4:- Boundary Condition Performance
 ==========

AIRV at Node 44: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 47: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 54: Air Valve Performance Data
==========-
Air Valve
=========
Number of Valves   =   1
Valve Inlet Diameter   =   50 mm
Valve Outlet Diameter   =   50 mm
Max Volume   = 0.000 (m3)
Max Mass of Air   = 0.000 (kg)
Max Rate of Air Inflow = 0.000 (kg/s) Max Volume Air Inflow = 0.000 (m3/s)
Max Rate Air Outflow   = 0.000 (kg/s) Max Volume Air Outflow = 0.000 (m3/s)

AIRV at Node 57: Air Valve Performance Data
==========-
Air Valve

```
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 101: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 102: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 103: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 104: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
```

```
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 105: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 106: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 107: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 121: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)
```

```
 PUMP at Node 501: Pump Performance Data
 ======================================-
 Not available for other pump options

 PUMP at Node 502: Pump Performance Data
 ======================================-
 Not available for other pump options

 PUMP at Node 503: Pump Performance Data
 ======================================-
 Not available for other pump options

 PUMP at Node 504: Pump Performance Data
 ======================================-
 Not available for other pump options

AIRV at Node 729: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)

AIRV at Node 731: Air Valve Performance Data
=========================================-
Air Valve
=========
Number of Valves        =     1
Valve Inlet Diameter    =    50 mm
Valve Outlet Diameter    =    50 mm
Max Volume              =  0.000 (m3)
Max Mass of Air         =  0.000 (kg)
Max Rate of Air Inflow  =  0.000 (kg/s) Max Volume Air Inflow  =  0.000
(m3/s)
Max Rate Air Outflow    =  0.000 (kg/s) Max Volume Air Outflow =  0.000
(m3/s)
```

All.5 Dimensionamento statico delle tubazioni interrate in PEAD

Verifica della deformazione diametrale con il metodo di Marston-Spangler

CBPF - Distribuzione irrigua Valle Pega: Tubazione PEAD PN16 SDR11 De160

Dati dimensionali del Tubo			
Diametro	DN	160	mm
Rigidezza circonferenziale	SN	64	kN/m^2
Modulo di elasticità	E_m	800000	kN/m^2
Tipo di parete		Liscio	
Dati dello scavo			
Larghezza	B	0,700	m
Altezza sull'estradosso	H	3,00	m
Tipologia del terreno indisturbato		Sabbia	
Tipologia del terreno di rinfianco		Sabbia argillosa	
Peso specifico rinterro	γ_t	18	kN/m^3
Angolo di attrito interno	φ	15	°
Coeff. di attrito rinterro/pareti	m	0,27	
Angolo di supporto	2α	60	°
Tipo di compattazione		Leggera	
Modulo di elasticità terreno	E_t	1400	kN/m^2
Altezza della falda sulla tubazione	h	2,50	m
Peso specifico sommerso del riempimento	$g_,$	15,9	
Verifica tipo di trincea (UNI 7517)		**Trincea larga**	
Determinazione carico statico			
Coeff. di spinta attiva	K_a	0,589	
Coeff.di carico statico	c	0,640	
Carico idrostatico	Q_{idr}	17,168	kN/m
Carico statico	$\mathbf{Q_{st}}$	**24,968**	kN/m
Determinazione carico dinamico			
Tipologia di traffico (DIN 1072)		HT60	
Carico per ruota	P	100	kN/ruota
Coeff. dinamico	w	1,1	
Tensione dinamica	s_z	16,734	kN/m^2
Carico dinamico	$\mathbf{Q_d}$	**2,945**	kN/m
Carico totale	**Q**	**27,913**	kN/m
Coeff. di sottofondo	K	0,103	
Coeff. di deformazione differita	F	1,5	
Deformazione assoluta	**Δd**	**7,22**	mm
Deformazione relativa %	**d**	**4,51**	%
		Tubazione verificata	

Verifica della deformazione diametrale con il metodo di Marston-Spangler

CBPF - Distribuzione irrigua Valle Pega: Tubazione PEAD PN16 SDR11 De200

Dati dimensionali del Tubo			
Diametro	DN	200	mm
Rigidezza circonferenziale	SN	64	kN/m^2
Modulo di elasticità	E_m	800000	kN/m^2
Tipo di parete		Liscio	
Dati dello scavo			
Larghezza	B	0,700	m
Altezza sull'estradosso	H	3,00	m
Tipologia del terreno indisturbato		Sabbia	
Tipologia del terreno di rinfianco		Sabbia argillosa	
Peso specifico rinterro	γ_t	18	kN/m^3
Angolo di attrito interno	φ	15	°
Coeff. di attrito rinterro/pareti	m	0,27	
Angolo di supporto	2α	60	°
Tipo di compattazione		Leggera	
Modulo di elasticità terreno	E_t	1400	kN/m^2
Altezza della falda sulla tubazione	h	2,50	m
Peso specifico sommerso del riempimento	$g_,$	15,9	
Verifica tipo di trincea (UNI 7517)		**Trincea larga**	
Determinazione carico statico			
Coeff. di spinta attiva	K_a	0,589	
Coeff.di carico statico	c	0,640	
Carico idrostatico	Q_{idr}	17,168	kN/m
Carico statico	$\mathbf{Q_{st}}$	**26,918**	kN/m
Determinazione carico dinamico			
Tipologia di traffico (DIN 1072)		HT60	
Carico per ruota	P	100	kN/ruota
Coeff. dinamico	w	1,1	
Tensione dinamica	s_z	16,734	kN/m^2
Carico dinamico	$\mathbf{Q_d}$	**3,681**	kN/m
Carico totale	**Q**	**30,599**	kN/m
Coeff. di sottofondo	K	0,103	
Coeff. di deformazione differita	F	1,5	
Deformazione assoluta	**Δd**	**7,91**	mm
Deformazione relativa %	**d**	**3,96**	%
		Tubazione verificata	

Verifica della deformazione diametrale con il metodo di Marston-Spangler

CBPF - Distribuzione irrigua Valle Pega: Tubazione PEAD PN16 SDR11 De280

Dati dimensionali del Tubo			
Diametro	DN	280	mm
Rigidezza circonferenziale	SN	64	kN/m^2
Modulo di elasticità	E_m	800000	kN/m^2
Tipo di parete		Liscio	
Dati dello scavo			
Larghezza	B	0,700	m
Altezza sull'estradosso	H	3,00	m
Tipologia del terreno indisturbato		Sabbia	
Tipologia del terreno di rinfianco		Sabbia argillosa	
Peso specifico rinterro	γ_t	18	kN/m^3
Angolo di attrito interno	φ	15	°
Coeff. di attrito rinterro/pareti	m	0,27	
Angolo di supporto	2α	60	°
Tipo di compattazione		Leggera	
Modulo di elasticità terreno	E_t	1400	kN/m^2
Altezza della falda sulla tubazione	h	2,50	m
Peso specifico sommerso del riempimento	$g_,$	15,9	
Verifica tipo di trincea (UNI 7517)		**Trincea stretta**	
Determinazione carico statico			
Coeff. di spinta attiva	K_a	0,589	
Coeff.di carico statico	c	0,640	
Carico idrostatico	Q_{idr}	17,168	kN/m
Carico statico	$\mathbf{Q_{st}}$	**26,100**	kN/m
Determinazione carico dinamico			
Tipologia di traffico (DIN 1072)		HT60	
Carico per ruota	P	100	kN/ruota
Coeff. dinamico	w	1,1	
Tensione dinamica	s_z	16,734	kN/m^2
Carico dinamico	$\mathbf{Q_d}$	**5,154**	kN/m
Carico totale	**Q**	**31,254**	kN/m
Coeff. di sottofondo	K	0,103	
Coeff. di deformazione differita	F	1,5	
Deformazione assoluta	**Δd**	**8,08**	mm
Deformazione relativa %	**d**	**2,89**	%
		Tubazione verificata	

Verifica della deformazione diametrale con il metodo di Marston-Spangler

CBPF - Distribuzione irrigua Valle Pega: Tubazione PEAD PN16 SDR11 De315

Dati dimensionali del Tubo			
Diametro	DN	315	mm
Rigidezza circonferenziale	SN	64	kN/m^2
Modulo di elasticità	E_m	800000	kN/m^2
Tipo di parete		Liscio	
Dati dello scavo			
Larghezza	B	0,700	m
Altezza sull'estradosso	H	3,00	m
Tipologia del terreno indisturbato		Sabbia	
Tipologia del terreno di rinfianco		Sabbia argillosa	
Peso specifico rinterro	γ_t	18	kN/m^3
Angolo di attrito interno	φ	15	°
Coeff. di attrito rinterro/pareti	m	0,27	
Angolo di supporto	2α	60	°
Tipo di compattazione		Leggera	
Modulo di elasticità terreno	E_t	1400	kN/m^2
Altezza della falda sulla tubazione	h	2,50	m
Peso specifico sommerso del riempimento	$g_,$	15,9	
Verifica tipo di trincea (UNI 7517)		**Trincea stretta**	
Determinazione carico statico			
Coeff. di spinta attiva	K_a	0,589	
Coeff.di carico statico	c	0,640	
Carico idrostatico	Q_{idr}	17,168	kN/m
Carico statico	$\mathbf{Q_{st}}$	**27,217**	kN/m
Determinazione carico dinamico			
Tipologia di traffico (DIN 1072)		HT60	
Carico per ruota	P	100	kN/ruota
Coeff. dinamico	w	1,1	
Tensione dinamica	s_z	16,734	kN/m^2
Carico dinamico	$\mathbf{Q_d}$	**5,798**	kN/m
Carico totale	**Q**	**33,015**	kN/m
Coeff. di sottofondo	K	0,103	
Coeff. di deformazione differita	F	1,5	
Deformazione assoluta	**Δd**	**8,54**	mm
Deformazione relativa %	**d**	**2,71**	%
		Tubazione verificata	