

(3) 確率降雨量及び超過確率

ゲンベル分布による降雨確率表
(10分間雨量)

観測所名 三島測候所

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

生起確率(年)	降雨量(mm)
1/ 2	14.0
1/ 3	15.7
1/ 4	16.8
1/ 5	17.6
1/ 7	18.7
1/ 8	19.2
1/ 10	19.9
1/ 20	22.2
1/ 25	22.9
1/ 30	23.5
1/ 40	24.4
1/ 50	25.2
1/ 60	25.7
1/ 70	26.2
1/ 80	26.7
1/ 90	27.0
1/ 100	27.4
1/ 150	28.7
1/ 200	29.6
1/ 300	30.8
1/ 400	31.8
1/ 500	32.5
1/ 600	33.0
1/ 700	33.5
1/ 800	33.9
1/ 900	34.3
1/1000	34.7
1/1100	35.0
1/1200	35.2
1/1300	35.5
1/1400	35.7
1/1500	35.9
1/2000	36.8

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
24.1	0.76	1.49	0.91
22.5	2.27	2.99	2.42
20.5	3.79	4.48	3.93
20.4	5.30	5.97	5.44
20.0	6.82	7.46	6.95
19.7	8.33	8.96	8.46
19.5	9.85	10.45	9.97
19.5	11.36	11.94	11.48
19.3	12.88	13.43	12.99
19.0	14.39	14.93	14.50
19.0	15.91	16.42	16.01
19.0	17.42	17.91	17.52
18.7	18.94	19.40	19.03
18.6	20.45	20.90	20.54
18.3	21.97	22.39	22.05
18.0	23.48	23.88	23.56
18.0	25.00	25.37	25.08
17.7	26.52	26.87	26.59
17.6	28.03	28.36	28.10
17.5	29.55	29.85	29.61
17.5	31.06	31.34	31.12
17.0	32.58	32.84	32.63
17.0	34.09	34.33	34.14
16.5	35.61	35.82	35.65
16.0	37.12	37.31	37.16
16.0	38.64	38.81	38.67
15.0	40.15	40.30	40.18
15.0	41.67	41.79	41.69
14.5	43.18	43.28	43.20
14.5	44.70	44.78	44.71
14.0	46.21	46.27	46.22
14.0	47.73	47.76	47.73
14.0	49.24	49.25	49.24
14.0	50.76	50.75	50.76
14.0	52.27	52.24	52.27
13.5	53.79	53.73	53.78
13.5	55.30	55.22	55.29
13.5	56.82	56.72	56.80
13.5	58.33	58.21	58.31
13.0	59.85	59.70	59.82
13.0	61.36	61.19	61.33
13.0	62.88	62.69	62.84
13.0	64.39	64.18	64.35
13.0	65.91	65.67	65.86
12.7	67.42	67.16	67.37
12.5	68.94	68.66	68.88
12.0	70.45	70.15	70.39
12.0	71.97	71.64	71.90
11.5	73.48	73.13	73.41
11.5	75.00	74.63	74.92
11.5	76.52	76.12	76.44
11.5	78.03	77.61	77.95
11.5	79.55	79.10	79.46
11.0	81.06	80.60	80.97
11.0	82.58	82.09	82.48
10.5	84.09	83.58	83.99
10.5	85.61	85.07	85.50
10.0	87.12	86.57	87.01
9.5	88.64	88.06	88.52
9.5	90.15	89.55	90.03
9.5	91.67	91.04	91.54
9.0	93.18	92.54	93.05
9.0	94.70	94.03	94.56
9.0	96.21	95.52	96.07
8.7	97.73	97.01	97.58
8.4	99.24	98.51	99.09

グンベル分布による降雨確率表
(30分間雨量)
観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	26.9
1/ 3	30.5
1/ 4	32.9
1/ 5	34.6
1/ 7	37.2
1/ 8	38.2
1/ 10	39.8
1/ 20	44.7
1/ 25	46.3
1/ 30	47.5
1/ 40	49.5
1/ 50	51.1
1/ 60	52.4
1/ 70	53.4
1/ 80	54.3
1/ 90	55.1
1/100	55.9
1/150	58.7
1/200	60.6
1/300	63.4
1/400	65.4
1/500	66.9
1/600	68.2
1/700	69.2
1/800	70.1
1/900	71.0
1/1000	71.7
1/1100	72.3
1/1200	72.9
1/1300	73.5
1/1400	74.0
1/1500	74.5
1/2000	76.4

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
49.0	0.76	1.49	0.91
47.0	2.27	2.99	2.42
46.5	3.79	4.48	3.93
43.0	5.30	5.97	5.44
41.5	6.82	7.46	6.95
41.0	8.33	8.96	8.46
41.0	9.85	10.45	9.97
40.5	11.36	11.94	11.48
40.5	12.88	13.43	12.99
40.0	14.39	14.93	14.50
39.0	15.91	16.42	16.01
38.0	17.42	17.91	17.52
36.5	18.94	19.40	19.03
35.0	20.45	20.90	20.54
34.5	21.97	22.39	22.05
34.0	23.48	23.88	23.56
34.0	25.00	25.37	25.08
33.5	26.52	26.87	26.59
33.0	28.03	28.36	28.10
32.5	29.55	29.85	29.61
32.5	31.06	31.34	31.12
32.0	32.58	32.84	32.63
31.0	34.09	34.33	34.14
29.0	35.61	35.82	35.65
29.0	37.12	37.31	37.16
28.5	38.64	38.81	38.67
28.0	40.15	40.30	40.18
28.0	41.67	41.79	41.69
27.5	43.18	43.28	43.20
27.5	44.70	44.78	44.71
27.0	46.21	46.27	46.22
26.5	47.73	47.76	47.73
26.0	49.24	49.25	49.24
26.0	50.76	50.75	50.76
26.0	52.27	52.24	52.27
25.5	53.79	53.73	53.78
25.5	55.30	55.22	55.29
25.5	56.82	56.72	56.80
24.5	58.33	58.21	58.31
24.5	59.85	59.70	59.82
24.5	61.36	61.19	61.33
24.0	62.88	62.69	62.84
24.0	64.39	64.18	64.35
24.0	65.91	65.67	65.86
23.5	67.42	67.16	67.37
23.5	68.94	68.66	68.88
23.2	70.45	70.15	70.39
23.0	71.97	71.64	71.90
23.0	73.48	73.13	73.41
22.5	75.00	74.63	74.92
22.5	76.52	76.12	76.44
22.0	78.03	77.61	77.95
22.0	79.55	79.10	79.46
21.5	81.06	80.60	80.97
21.3	82.58	82.09	82.48
21.0	84.09	83.58	83.99
21.0	85.61	85.07	85.50
20.5	87.12	86.57	87.01
20.0	88.64	88.06	88.52
19.0	90.15	89.55	90.03
17.2	91.67	91.04	91.54
17.0	93.18	92.54	93.05
16.2	94.70	94.03	94.56
15.0	96.21	95.52	96.07
14.5	97.73	97.01	97.58
13.1	99.24	98.51	99.09

グンベル分布による降雨確率表
(60分間雨量)
観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	41.7
1/ 3	47.6
1/ 4	51.4
1/ 5	54.2
1/ 7	58.3
1/ 8	59.9
1/ 10	62.5
1/ 20	70.4
1/ 25	73.0
1/ 30	75.0
1/ 40	78.2
1/ 50	80.7
1/ 60	82.8
1/ 70	84.5
1/ 80	86.0
1/ 90	87.3
1/100	88.4
1/150	92.9
1/200	96.1
1/300	100.6
1/400	103.8
1/500	106.2
1/600	108.3
1/700	110.0
1/800	111.4
1/900	112.7
1/1000	113.9
1/1100	115.0
1/1200	115.9
1/1300	116.8
1/1400	117.6
1/1500	118.4
1/2000	121.6

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
81.5	0.76	1.49	0.91
73.4	2.27	2.99	2.42
72.9	3.79	4.48	3.93
72.0	5.30	5.97	5.44
70.0	6.82	7.46	6.95
69.5	8.33	8.96	8.46
64.0	9.85	10.45	9.97
63.0	11.36	11.94	11.48
62.5	12.88	13.43	12.99
61.0	14.39	14.93	14.50
60.5	15.91	16.42	16.01
58.8	17.42	17.91	17.52
56.0	18.94	19.40	19.03
54.0	20.45	20.90	20.54
53.5	21.97	22.39	22.05
52.4	23.48	23.88	23.56
52.1	25.00	25.37	25.08
51.0	26.52	26.87	26.59
49.5	28.03	28.36	28.10
49.3	29.55	29.85	29.61
48.5	31.06	31.34	31.12
48.0	32.58	32.84	32.63
47.5	34.09	34.33	34.14
46.0	35.61	35.82	35.65
46.0	37.12	37.31	37.16
44.5	38.64	38.81	38.67
44.2	40.15	40.30	40.18
43.0	41.67	41.79	41.69
42.5	43.18	43.28	43.20
42.0	44.70	44.78	44.71
42.0	46.21	46.27	46.22
41.5	47.73	47.76	47.73
40.9	49.24	49.25	49.24
40.5	50.76	50.75	50.76
40.5	52.27	52.24	52.27
40.5	53.79	53.73	53.78
39.1	55.30	55.22	55.29
39.0	56.82	56.72	56.80
39.0	58.33	58.21	58.31
38.5	59.85	59.70	59.82
37.0	61.36	61.19	61.33
37.0	62.88	62.69	62.84
35.7	64.39	64.18	64.35
35.5	65.91	65.67	65.86
35.5	67.42	67.16	67.37
35.5	68.94	68.66	68.88
35.0	70.45	70.15	70.39
34.5	71.97	71.64	71.90
34.5	73.48	73.13	73.41
34.0	75.00	74.63	74.92
33.5	76.52	76.12	76.44
33.4	78.03	77.61	77.95
33.3	79.55	79.10	79.46
33.2	81.06	80.60	80.97
32.5	82.58	82.09	82.48
32.0	84.09	83.58	83.99
31.0	85.61	85.07	85.50
30.0	87.12	86.57	87.01
30.0	88.64	88.06	88.52
29.5	90.15	89.55	90.03
27.5	91.67	91.04	91.54
27.5	93.18	92.54	93.05
26.5	94.70	94.03	94.56
25.2	96.21	95.52	96.07
24.5	97.73	97.01	97.58
21.4	99.24	98.51	99.09

ゲンベル分布による降雨確率表
(120分間雨量)
観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	57.1
1/ 3	65.8
1/ 4	71.4
1/ 5	75.6
1/ 7	81.6
1/ 8	83.9
1/ 10	87.8
1/ 20	99.5
1/ 25	103.2
1/ 30	106.3
1/ 40	111.0
1/ 50	114.7
1/ 60	117.7
1/ 70	120.2
1/ 80	122.4
1/ 90	124.3
1/100	126.1
1/150	132.7
1/200	137.4
1/300	144.0
1/400	148.7
1/500	152.4
1/600	155.3
1/700	157.8
1/800	160.0
1/900	161.9
1/1000	163.7
1/1100	165.2
1/1200	166.6
1/1300	167.9
1/1400	169.1
1/1500	170.3
1/2000	174.9

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
123.5	0.76	1.49	0.91
104.5	2.27	2.99	2.42
103.0	3.79	4.48	3.93
94.0	5.30	5.97	5.44
88.0	6.82	7.46	6.95
87.0	8.33	8.96	8.46
86.0	9.85	10.45	9.97
85.0	11.36	11.94	11.48
85.0	12.88	13.43	12.99
83.5	14.39	14.93	14.50
81.0	15.91	16.42	16.01
81.0	17.42	17.91	17.52
80.0	18.94	19.40	19.03
80.0	20.45	20.90	20.54
78.0	21.97	22.39	22.05
77.0	23.48	23.88	23.56
76.0	25.00	25.37	25.08
75.0	26.52	26.87	26.59
75.0	28.03	28.36	28.10
74.5	29.55	29.85	29.61
66.0	31.06	31.34	31.12
66.0	32.58	32.84	32.63
66.0	34.09	34.33	34.14
64.5	35.61	35.82	35.65
62.0	37.12	37.31	37.16
62.0	38.64	38.81	38.67
60.5	40.15	40.30	40.18
60.5	41.67	41.79	41.69
60.2	43.18	43.28	43.20
60.0	44.70	44.78	44.71
60.0	46.21	46.27	46.22
59.0	47.73	47.76	47.73
58.0	49.24	49.25	49.24
57.5	50.76	50.75	50.76
56.5	52.27	52.24	52.27
56.0	53.79	53.73	53.78
54.5	55.30	55.22	55.29
54.0	56.82	56.72	56.80
54.0	58.33	58.21	58.31
52.0	59.85	59.70	59.82
51.0	61.36	61.19	61.33
51.0	62.88	62.69	62.84
50.5	64.39	64.18	64.35
50.0	65.91	65.67	65.86
50.0	67.42	67.16	67.37
49.0	68.94	68.66	68.88
48.0	70.45	70.15	70.39
47.0	71.97	71.64	71.90
46.5	73.48	73.13	73.41
45.0	75.00	74.63	74.92
43.5	76.52	76.12	76.44
43.0	78.03	77.61	77.95
42.9	79.55	79.10	79.46
42.0	81.06	80.60	80.97
42.0	82.58	82.09	82.48
41.0	84.09	83.58	83.99
40.5	85.61	85.07	85.50
37.5	87.12	86.57	87.01
37.0	88.64	88.06	88.52
37.0	90.15	89.55	90.03
34.5	91.67	91.04	91.54
34.0	93.18	92.54	93.05
34.0	94.70	94.03	94.56
33.0	96.21	95.52	96.07
31.0	97.73	97.01	97.58
28.0	99.24	98.51	99.09

ゲンベル分布による降雨確率表
(180分間雨量)

観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	69.4
1/ 3	80.0
1/ 4	86.8
1/ 5	91.9
1/ 7	99.2
1/ 8	102.1
1/ 10	106.8
1/ 20	121.1
1/ 25	125.6
1/ 30	129.3
1/ 40	135.1
1/ 50	139.5
1/ 60	143.2
1/ 70	146.3
1/ 80	148.9
1/ 90	151.3
1/ 100	153.4
1/ 150	161.5
1/ 200	167.2
1/ 300	175.3
1/ 400	181.0
1/ 500	185.4
1/ 600	189.0
1/ 700	192.1
1/ 800	194.7
1/ 900	197.1
1/1000	199.2
1/1100	201.1
1/1200	202.8
1/1300	204.4
1/1400	205.8
1/1500	207.2
1/2000	212.9

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
147.0	0.76	1.49	0.91
137.5	2.27	2.99	2.42
118.0	3.79	4.48	3.93
113.0	5.30	5.97	5.44
112.5	6.82	7.46	6.95
112.0	8.33	8.96	8.46
111.0	9.85	10.45	9.97
111.0	11.36	11.94	11.48
106.0	12.88	13.43	12.99
105.0	14.39	14.93	14.50
103.0	15.91	16.42	16.01
96.0	17.42	17.91	17.52
95.5	18.94	19.40	19.03
93.8	20.45	20.90	20.54
92.5	21.97	22.39	22.05
89.3	23.48	23.88	23.56
89.0	25.00	25.37	25.08
87.5	26.52	26.87	26.59
86.0	28.03	28.36	28.10
85.5	29.55	29.85	29.61
80.0	31.06	31.34	31.12
80.0	32.58	32.84	32.63
77.0	34.09	34.33	34.14
76.5	35.61	35.82	35.65
75.5	37.12	37.31	37.16
75.0	38.64	38.81	38.67
73.2	40.15	40.30	40.18
72.2	41.67	41.79	41.69
72.0	43.18	43.28	43.20
70.5	44.70	44.78	44.71
70.0	46.21	46.27	46.22
68.5	47.73	47.76	47.73
68.0	49.24	49.25	49.24
68.0	50.76	50.75	50.76
67.0	52.27	52.24	52.27
67.0	53.79	53.73	53.78
67.0	55.30	55.22	55.29
67.0	56.82	56.72	56.80
66.7	58.33	58.21	58.31
66.0	59.85	59.70	59.82
65.5	61.36	61.19	61.33
65.0	62.88	62.69	62.84
62.0	64.39	64.18	64.35
61.0	65.91	65.67	65.86
60.6	67.42	67.16	67.37
59.0	68.94	68.66	68.88
58.0	70.45	70.15	70.39
56.5	71.97	71.64	71.90
56.0	73.48	73.13	73.41
56.0	75.00	74.63	74.92
55.5	76.52	76.12	76.44
55.0	78.03	77.61	77.95
54.0	79.55	79.10	79.46
53.5	81.06	80.60	80.97
51.0	82.58	82.09	82.48
49.5	84.09	83.58	83.99
46.5	85.61	85.07	85.50
46.1	87.12	86.57	87.01
46.0	88.64	88.06	88.52
44.1	90.15	89.55	90.03
42.0	91.67	91.04	91.54
41.5	93.18	92.54	93.05
41.0	94.70	94.03	94.56
40.0	96.21	95.52	96.07
38.0	97.73	97.01	97.58
35.0	99.24	98.51	99.09

グンベル分布による降雨確率表
(24時間雨量)
観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	146.8
1/ 3	173.6
1/ 4	190.7
1/ 5	203.4
1/ 7	221.9
1/ 8	229.1
1/ 10	240.9
1/ 20	276.9
1/ 25	288.3
1/ 30	297.6
1/ 40	312.2
1/ 50	323.4
1/ 60	332.6
1/ 70	340.4
1/ 80	347.1
1/ 90	353.0
1/ 100	358.3
1/ 150	378.7
1/ 200	393.1
1/ 300	413.4
1/ 400	427.8
1/ 500	438.9
1/ 600	448.0
1/ 700	455.8
1/ 800	462.4
1/ 900	468.3
1/1000	473.6
1/1100	478.3
1/1200	482.7
1/1300	486.7
1/1400	490.4
1/1500	493.8
1/2000	508.2

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
340.0	0.62	1.22	0.74
322.7	1.85	2.44	1.97
298.5	3.09	3.66	3.20
295.8	4.32	4.88	4.43
288.0	5.56	6.10	5.67
257.5	6.79	7.32	6.90
256.5	8.02	8.54	8.13
252.0	9.26	9.76	9.36
244.0	10.49	10.98	10.59
244.0	11.73	12.20	11.82
238.0	12.96	13.41	13.05
233.0	14.20	14.63	14.29
233.0	15.43	15.85	15.52
213.0	16.67	17.07	16.75
208.8	17.90	18.29	17.98
208.0	19.14	19.51	19.21
207.5	20.37	20.73	20.44
201.6	21.60	21.95	21.67
199.0	22.84	23.17	22.91
189.5	24.07	24.39	24.14
182.5	25.31	25.61	25.37
182.1	26.54	26.83	26.60
179.2	27.78	28.05	27.83
177.4	29.01	29.27	29.06
176.5	30.25	30.49	30.30
176.1	31.48	31.71	31.53
173.3	32.72	32.93	32.76
169.2	33.95	34.15	33.99
167.0	35.19	35.37	35.22
166.4	36.42	36.59	36.45
165.0	37.65	37.80	37.68
165.0	38.89	39.02	38.92
159.5	40.12	40.24	40.15
159.0	41.36	41.46	41.38
158.8	42.59	42.68	42.61
158.0	43.83	43.90	43.84
156.6	45.06	45.12	45.07
156.0	46.30	46.34	46.31
153.5	47.53	47.56	47.54
150.0	48.77	48.78	48.77
150.0	50.00	50.00	50.00
146.0	51.23	51.22	51.23
146.0	52.47	52.44	52.46
146.0	53.70	53.66	53.69
145.6	54.94	54.88	54.93
144.7	56.17	56.10	56.16
134.0	57.41	57.32	57.39
130.5	58.64	58.54	58.62
128.6	59.88	59.76	59.85
126.8	61.11	60.98	61.08
126.5	62.35	62.20	62.32
125.7	63.58	63.41	63.55
123.0	64.81	64.63	64.78
119.1	66.05	65.85	66.01
117.5	67.28	67.07	67.24
115.0	68.52	68.29	68.47
114.9	69.75	69.51	69.70
113.5	70.99	70.73	70.94
109.5	72.22	71.95	72.17
107.9	73.46	73.17	73.40
107.0	74.69	74.39	74.63
102.5	75.93	75.61	75.86
102.0	77.16	76.83	77.09
100.5	78.40	78.05	78.33
99.0	79.63	79.27	79.56
98.5	80.86	80.49	80.79
97.9	82.10	81.71	82.02
97.0	83.33	82.93	83.25
94.5	84.57	84.15	84.48
94.4	85.80	85.37	85.71
94.0	87.04	86.59	86.95
92.9	88.27	87.80	88.18
92.4	89.51	89.02	89.41
90.0	90.74	90.24	90.64
87.0	91.98	91.46	91.87
86.0	93.21	92.68	93.10
84.4	94.44	93.90	94.33
81.7	95.68	95.12	95.57
78.0	96.91	96.34	96.80
69.6	98.15	97.56	98.03
61.5	99.38	98.78	99.26

ゲンバル分布による降雨確率表
(日雨量)
観測所名 三島測候所

生起確率(年)	降雨量(mm)
1/ 2	132.7
1/ 3	156.4
1/ 4	171.5
1/ 5	182.8
1/ 7	199.1
1/ 8	205.5
1/ 10	216.0
1/ 20	247.8
1/ 25	257.9
1/ 30	266.1
1/ 40	279.0
1/ 50	289.0
1/ 60	297.1
1/ 70	304.0
1/ 80	310.0
1/ 90	315.2
1/100	319.9
1/150	337.9
1/200	350.6
1/300	368.6
1/400	381.4
1/500	391.2
1/600	399.3
1/700	406.1
1/800	412.0
1/900	417.2
1/1000	421.9
1/1100	426.1
1/1200	430.0
1/1300	433.5
1/1400	436.8
1/1500	439.8
1/2000	452.6

Thomas Plot, Hazen Plot, Cunnane Plot
による超過確率

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
310.5	0.70	1.39	0.84
271.0	2.11	2.78	2.25
268.0	3.52	4.17	3.65
254.1	4.93	5.56	5.06
253.3	6.34	6.94	6.46
244.0	7.75	8.33	7.87
238.5	9.15	9.72	9.27
226.0	10.56	11.11	10.67
224.0	11.97	12.50	12.08
207.5	13.38	13.89	13.48
201.6	14.79	15.28	14.89
201.0	16.20	16.67	16.29
195.5	17.61	18.06	17.70
192.0	19.01	19.44	19.10
190.0	20.42	20.83	20.51
182.1	21.83	22.22	21.91
170.2	23.24	23.61	23.31
169.2	24.65	25.00	24.72
167.8	26.06	26.39	26.12
166.4	27.46	27.78	27.53
165.0	28.87	29.17	28.93
161.5	30.28	30.56	30.34
157.5	31.69	31.94	31.74
147.5	33.10	33.33	33.15
147.0	34.51	34.72	34.55
145.6	35.92	36.11	35.96
145.5	37.32	37.50	37.36
143.2	38.73	38.89	38.76
140.5	40.14	40.28	40.17
140.0	41.55	41.67	41.57
136.3	42.96	43.06	42.98
131.5	44.37	44.44	44.38
130.0	45.77	45.83	45.79
129.5	47.18	47.22	47.19
129.0	48.59	48.61	48.60
127.1	50.00	50.00	50.00
126.0	51.41	51.39	51.40
122.5	52.82	52.78	52.81
122.0	54.23	54.17	54.21
120.3	55.63	55.56	55.62
118.6	57.04	56.94	57.02
118.0	58.45	58.33	58.43
117.5	59.86	59.72	59.83
115.5	61.27	61.11	61.24
114.9	62.68	62.50	62.64
114.6	64.08	63.89	64.04
111.6	65.49	65.28	65.45
111.0	66.90	66.67	66.85
110.5	68.31	68.06	68.26
103.0	69.72	69.44	69.66
102.5	71.13	70.83	71.07
102.5	72.54	72.22	72.47
99.5	73.94	73.61	73.88
98.5	75.35	75.00	75.28
98.5	76.76	76.39	76.69
97.0	78.17	77.78	78.09
95.6	79.58	79.17	79.49
92.9	80.99	80.56	80.90
92.4	82.39	81.94	82.30
91.7	83.80	83.33	83.71
90.0	85.21	84.72	85.11
89.9	86.62	86.11	86.52
86.5	88.03	87.50	87.92
84.4	89.44	88.89	89.33
83.4	90.85	90.28	90.73
80.2	92.25	91.67	92.13
79.0	93.66	93.06	93.54
75.5	95.07	94.44	94.94
73.5	96.48	95.83	96.35
72.5	97.89	97.22	97.75
59.0	99.30	98.61	99.16