

### (3) 確率降雨量及び超過確率

グンベル分布による降雨確率表  
(10分間雨量)

観測所名 浜松測候所

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

生起確率(年)	降雨量(mm)
1/ 2	15.2
1/ 3	16.9
1/ 4	18.0
1/ 5	18.8
1/ 7	20.0
1/ 8	20.4
1/ 10	21.2
1/ 20	23.4
1/ 25	24.1
1/ 30	24.7
1/ 40	25.6
1/ 50	26.3
1/ 60	26.9
1/ 70	27.4
1/ 80	27.8
1/ 90	28.2
1/100	28.5
1/150	29.8
1/200	30.7
1/300	32.0
1/400	32.9
1/500	33.6
1/600	34.2
1/700	34.6
1/800	35.1
1/900	35.4
1/1000	35.8
1/1100	36.1
1/1200	36.3
1/1300	36.6
1/1400	36.8
1/1500	37.0
1/2000	37.9

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
31.5	0.76	1.49	0.91
23.0	2.27	2.99	2.42
22.0	3.79	4.48	3.93
21.0	5.30	5.97	5.44
20.5	6.82	7.46	6.95
20.0	8.33	8.96	8.46
20.0	9.85	10.45	9.97
20.0	11.36	11.94	11.48
20.0	12.88	13.43	12.99
20.0	14.39	14.93	14.50
19.5	15.91	16.42	16.01
19.5	17.42	17.91	17.52
19.0	18.94	19.40	19.03
19.0	20.45	20.90	20.54
18.7	21.97	22.39	22.05
18.5	23.48	23.88	23.56
18.5	25.00	25.37	25.08
18.5	26.52	26.87	26.59
18.0	28.03	28.36	28.10
18.0	29.55	29.85	29.61
17.8	31.06	31.34	31.12
17.6	32.58	32.84	32.63
17.5	34.09	34.33	34.14
17.5	35.61	35.82	35.65
17.0	37.12	37.31	37.16
17.0	38.64	38.81	38.67
17.0	40.15	40.30	40.18
16.5	41.67	41.79	41.69
16.5	43.18	43.28	43.20
16.5	44.70	44.78	44.71
16.5	46.21	46.27	46.22
16.5	47.73	47.76	47.73
16.5	49.24	49.25	49.24
16.0	50.76	50.75	50.76
15.2	52.27	52.24	52.27
15.0	53.79	53.73	53.78
15.0	55.30	55.22	55.29
15.0	56.82	56.72	56.80
15.0	58.33	58.21	58.31
14.6	59.85	59.70	59.82
14.5	61.36	61.19	61.33
14.5	62.88	62.69	62.84
14.5	64.39	64.18	64.35
14.5	65.91	65.67	65.86
14.3	67.42	67.16	67.37
14.1	68.94	68.66	68.88
14.1	70.45	70.15	70.39
14.0	71.97	71.64	71.90
13.5	73.48	73.13	73.41
13.5	75.00	74.63	74.92
13.5	76.52	76.12	76.44
13.0	78.03	77.61	77.95
13.0	79.55	79.10	79.46
12.7	81.06	80.60	80.97
12.5	82.58	82.09	82.48
12.0	84.09	83.58	83.99
12.0	85.61	85.07	85.50
12.0	87.12	86.57	87.01
11.5	88.64	88.06	88.52
10.8	90.15	89.55	90.03
10.0	91.67	91.04	91.54
10.0	93.18	92.54	93.05
9.7	94.70	94.03	94.56
9.0	96.21	95.52	96.07
8.3	97.73	97.01	97.58
7.0	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 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	28.6
1/ 3	33.1
1/ 4	36.0
1/ 5	38.1
1/ 7	41.1
1/ 8	42.3
1/ 10	44.3
1/ 20	50.3
1/ 25	52.2
1/ 30	53.8
1/ 40	56.2
1/ 50	58.1
1/ 60	59.6
1/ 70	60.9
1/ 80	62.0
1/ 90	63.0
1/100	63.9
1/150	67.3
1/200	69.7
1/300	73.0
1/400	75.4
1/500	77.3
1/600	78.8
1/700	80.1
1/800	81.2
1/900	82.2
1/1000	83.1
1/1100	83.9
1/1200	84.6
1/1300	85.2
1/1400	85.9
1/1500	86.4
1/2000	88.8

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
77.5	0.76	1.49	0.91
49.5	2.27	2.99	2.42
47.5	3.79	4.48	3.93
45.0	5.30	5.97	5.44
44.5	6.82	7.46	6.95
44.0	8.33	8.96	8.46
43.0	9.85	10.45	9.97
43.0	11.36	11.94	11.48
42.0	12.88	13.43	12.99
41.0	14.39	14.93	14.50
40.5	15.91	16.42	16.01
40.0	17.42	17.91	17.52
40.0	18.94	19.40	19.03
38.0	20.45	20.90	20.54
37.5	21.97	22.39	22.05
37.5	23.48	23.88	23.56
37.0	25.00	25.37	25.08
36.5	26.52	26.87	26.59
36.0	28.03	28.36	28.10
36.0	29.55	29.85	29.61
34.5	31.06	31.34	31.12
34.5	32.58	32.84	32.63
34.0	34.09	34.33	34.14
34.0	35.61	35.82	35.65
33.5	37.12	37.31	37.16
33.5	38.64	38.81	38.67
31.0	40.15	40.30	40.18
31.0	41.67	41.79	41.69
30.5	43.18	43.28	43.20
29.5	44.70	44.78	44.71
29.5	46.21	46.27	46.22
28.5	47.73	47.76	47.73
28.0	49.24	49.25	49.24
28.0	50.76	50.75	50.76
28.0	52.27	52.24	52.27
28.0	53.79	53.73	53.78
27.5	55.30	55.22	55.29
27.0	56.82	56.72	56.80
27.0	58.33	58.21	58.31
27.0	59.85	59.70	59.82
26.5	61.36	61.19	61.33
26.0	62.88	62.69	62.84
26.0	64.39	64.18	64.35
25.0	65.91	65.67	65.86
25.0	67.42	67.16	67.37
25.0	68.94	68.66	68.88
24.5	70.45	70.15	70.39
23.5	71.97	71.64	71.90
23.0	73.48	73.13	73.41
23.0	75.00	74.63	74.92
23.0	76.52	76.12	76.44
23.0	78.03	77.61	77.95
22.0	79.55	79.10	79.46
21.5	81.06	80.60	80.97
20.0	82.58	82.09	82.48
20.0	84.09	83.58	83.99
19.0	85.61	85.07	85.50
19.0	87.12	86.57	87.01
19.0	88.64	88.06	88.52
18.0	90.15	89.55	90.03
17.0	91.67	91.04	91.54
17.0	93.18	92.54	93.05
17.0	94.70	94.03	94.56
16.5	96.21	95.52	96.07
14.0	97.73	97.01	97.58
12.0	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 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	45.1
1/ 3	51.5
1/ 4	55.7
1/ 5	58.7
1/ 7	63.2
1/ 8	64.9
1/ 10	67.8
1/ 20	76.5
1/ 25	79.2
1/ 30	81.4
1/ 40	85.0
1/ 50	87.7
1/ 60	89.9
1/ 70	91.8
1/ 80	93.4
1/ 90	94.8
1/100	96.1
1/150	101.0
1/200	104.5
1/300	109.4
1/400	112.9
1/500	115.6
1/600	117.8
1/700	119.6
1/800	121.2
1/900	122.7
1/1000	123.9
1/1100	125.1
1/1200	126.1
1/1300	127.1
1/1400	128.0
1/1500	128.8
1/2000	132.3

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
87.5	0.76	1.49	0.91
86.0	2.27	2.99	2.42
81.5	3.79	4.48	3.93
70.0	5.30	5.97	5.44
69.3	6.82	7.46	6.95
66.0	8.33	8.96	8.46
64.0	9.85	10.45	9.97
63.5	11.36	11.94	11.48
63.0	12.88	13.43	12.99
63.0	14.39	14.93	14.50
62.5	15.91	16.42	16.01
62.5	17.42	17.91	17.52
62.0	18.94	19.40	19.03
61.5	20.45	20.90	20.54
60.0	21.97	22.39	22.05
57.8	23.48	23.88	23.56
57.5	25.00	25.37	25.08
57.5	26.52	26.87	26.59
56.0	28.03	28.36	28.10
55.0	29.55	29.85	29.61
54.5	31.06	31.34	31.12
54.5	32.58	32.84	32.63
52.0	34.09	34.33	34.14
52.0	35.61	35.82	35.65
51.5	37.12	37.31	37.16
51.3	38.64	38.81	38.67
51.3	40.15	40.30	40.18
51.0	41.67	41.79	41.69
49.1	43.18	43.28	43.20
49.0	44.70	44.78	44.71
48.5	46.21	46.27	46.22
48.5	47.73	47.76	47.73
48.2	49.24	49.25	49.24
47.4	50.76	50.75	50.76
47.0	52.27	52.24	52.27
47.0	53.79	53.73	53.78
45.5	55.30	55.22	55.29
44.0	56.82	56.72	56.80
43.0	58.33	58.21	58.31
40.6	59.85	59.70	59.82
40.5	61.36	61.19	61.33
39.0	62.88	62.69	62.84
38.9	64.39	64.18	64.35
38.5	65.91	65.67	65.86
37.0	67.42	67.16	67.37
37.0	68.94	68.66	68.88
36.0	70.45	70.15	70.39
36.0	71.97	71.64	71.90
35.8	73.48	73.13	73.41
35.5	75.00	74.63	74.92
35.5	76.52	76.12	76.44
34.0	78.03	77.61	77.95
33.5	79.55	79.10	79.46
32.4	81.06	80.60	80.97
32.0	82.58	82.09	82.48
31.0	84.09	83.58	83.99
30.8	85.61	85.07	85.50
30.5	87.12	86.57	87.01
30.4	88.64	88.06	88.52
30.0	90.15	89.55	90.03
29.5	91.67	91.04	91.54
29.5	93.18	92.54	93.05
28.5	94.70	94.03	94.56
27.9	96.21	95.52	96.07
27.3	97.73	97.01	97.58
22.1	99.24	98.51	99.09

グンベル分布による降雨確率表  
(120分間雨量)

観測所名 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	59.9
1/ 3	68.4
1/ 4	73.9
1/ 5	77.9
1/ 7	83.8
1/ 8	86.0
1/ 10	89.8
1/ 20	101.2
1/ 25	104.8
1/ 30	107.8
1/ 40	112.4
1/ 50	116.0
1/ 60	118.9
1/ 70	121.4
1/ 80	123.5
1/ 90	125.4
1/100	127.1
1/150	133.5
1/200	138.1
1/300	144.5
1/400	149.1
1/500	152.6
1/600	155.5
1/700	158.0
1/800	160.1
1/900	162.0
1/1000	163.6
1/1100	165.2
1/1200	166.5
1/1300	167.8
1/1400	169.0
1/1500	170.1
1/2000	174.6

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
124.5	0.76	1.49	0.91
121.0	2.27	2.99	2.42
106.5	3.79	4.48	3.93
96.5	5.30	5.97	5.44
94.0	6.82	7.46	6.95
93.0	8.33	8.96	8.46
91.5	9.85	10.45	9.97
90.5	11.36	11.94	11.48
88.2	12.88	13.43	12.99
84.0	14.39	14.93	14.50
81.0	15.91	16.42	16.01
79.5	17.42	17.91	17.52
79.0	18.94	19.40	19.03
76.5	20.45	20.90	20.54
76.3	21.97	22.39	22.05
75.3	23.48	23.88	23.56
73.0	25.00	25.37	25.08
71.7	26.52	26.87	26.59
71.5	28.03	28.36	28.10
71.3	29.55	29.85	29.61
71.0	31.06	31.34	31.12
70.0	32.58	32.84	32.63
69.0	34.09	34.33	34.14
68.8	35.61	35.82	35.65
66.3	37.12	37.31	37.16
65.0	38.64	38.81	38.67
63.5	40.15	40.30	40.18
63.0	41.67	41.79	41.69
62.5	43.18	43.28	43.20
62.0	44.70	44.78	44.71
61.6	46.21	46.27	46.22
61.0	47.73	47.76	47.73
60.5	49.24	49.25	49.24
60.5	50.76	50.75	50.76
60.0	52.27	52.24	52.27
59.5	53.79	53.73	53.78
59.0	55.30	55.22	55.29
56.5	56.82	56.72	56.80
56.0	58.33	58.21	58.31
56.0	59.85	59.70	59.82
55.0	61.36	61.19	61.33
53.6	62.88	62.69	62.84
53.5	64.39	64.18	64.35
53.0	65.91	65.67	65.86
52.5	67.42	67.16	67.37
51.5	68.94	68.66	68.88
51.2	70.45	70.15	70.39
50.5	71.97	71.64	71.90
48.1	73.48	73.13	73.41
48.0	75.00	74.63	74.92
47.7	76.52	76.12	76.44
46.7	78.03	77.61	77.95
45.9	79.55	79.10	79.46
45.5	81.06	80.60	80.97
44.0	82.58	82.09	82.48
43.4	84.09	83.58	83.99
43.0	85.61	85.07	85.50
41.5	87.12	86.57	87.01
41.0	88.64	88.06	88.52
40.4	90.15	89.55	90.03
39.6	91.67	91.04	91.54
39.6	93.18	92.54	93.05
39.0	94.70	94.03	94.56
38.0	96.21	95.52	96.07
36.8	97.73	97.01	97.58
30.9	99.24	98.51	99.09

グンベル分布による降雨確率表  
(180分間雨量)

観測所名 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	72.5
1/ 3	82.2
1/ 4	88.4
1/ 5	93.0
1/ 7	99.7
1/ 8	102.3
1/ 10	106.6
1/ 20	119.6
1/ 25	123.8
1/ 30	127.1
1/ 40	132.4
1/ 50	136.5
1/ 60	139.8
1/ 70	142.7
1/ 80	145.1
1/ 90	147.2
1/100	149.2
1/150	156.5
1/200	161.8
1/300	169.1
1/400	174.3
1/500	178.4
1/600	181.7
1/700	184.5
1/800	186.9
1/900	189.0
1/1000	190.9
1/1100	192.7
1/1200	194.2
1/1300	195.7
1/1400	197.0
1/1500	198.3
1/2000	203.5

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
147.5	0.76	1.49	0.91
147.0	2.27	2.99	2.42
120.0	3.79	4.48	3.93
117.0	5.30	5.97	5.44
116.5	6.82	7.46	6.95
115.0	8.33	8.96	8.46
105.1	9.85	10.45	9.97
104.0	11.36	11.94	11.48
100.1	12.88	13.43	12.99
99.9	14.39	14.93	14.50
99.0	15.91	16.42	16.01
96.0	17.42	17.91	17.52
94.5	18.94	19.40	19.03
93.0	20.45	20.90	20.54
92.0	21.97	22.39	22.05
90.5	23.48	23.88	23.56
90.5	25.00	25.37	25.08
89.5	26.52	26.87	26.59
88.0	28.03	28.36	28.10
85.9	29.55	29.85	29.61
85.2	31.06	31.34	31.12
82.5	32.58	32.84	32.63
82.0	34.09	34.33	34.14
79.5	35.61	35.82	35.65
76.0	37.12	37.31	37.16
75.5	38.64	38.81	38.67
74.9	40.15	40.30	40.18
74.5	41.67	41.79	41.69
73.0	43.18	43.28	43.20
73.0	44.70	44.78	44.71
72.5	46.21	46.27	46.22
72.0	47.73	47.76	47.73
71.5	49.24	49.25	49.24
70.4	50.76	50.75	50.76
70.1	52.27	52.24	52.27
70.0	53.79	53.73	53.78
69.0	55.30	55.22	55.29
68.9	56.82	56.72	56.80
68.0	58.33	58.21	58.31
67.8	59.85	59.70	59.82
67.5	61.36	61.19	61.33
65.6	62.88	62.69	62.84
65.5	64.39	64.18	64.35
65.5	65.91	65.67	65.86
64.0	67.42	67.16	67.37
64.0	68.94	68.66	68.88
63.5	70.45	70.15	70.39
63.2	71.97	71.64	71.90
62.2	73.48	73.13	73.41
61.9	75.00	74.63	74.92
61.5	76.52	76.12	76.44
59.5	78.03	77.61	77.95
56.5	79.55	79.10	79.46
54.7	81.06	80.60	80.97
54.0	82.58	82.09	82.48
53.5	84.09	83.58	83.99
52.1	85.61	85.07	85.50
50.6	87.12	86.57	87.01
50.0	88.64	88.06	88.52
49.3	90.15	89.55	90.03
49.1	91.67	91.04	91.54
49.0	93.18	92.54	93.05
48.8	94.70	94.03	94.56
48.0	96.21	95.52	96.07
47.8	97.73	97.01	97.58
40.0	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 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	146.4
1/ 3	167.8
1/ 4	181.5
1/ 5	191.6
1/ 7	206.4
1/ 8	212.1
1/ 10	221.6
1/ 20	250.3
1/ 25	259.4
1/ 30	266.9
1/ 40	278.5
1/ 50	287.5
1/ 60	294.9
1/ 70	301.1
1/ 80	306.4
1/ 90	311.2
1/ 100	315.4
1/ 150	331.7
1/ 200	343.2
1/ 300	359.4
1/ 400	370.9
1/ 500	379.8
1/ 600	387.1
1/ 700	393.3
1/ 800	398.6
1/ 900	403.3
1/1000	407.5
1/1100	411.3
1/1200	414.8
1/1300	418.0
1/1400	420.9
1/1500	423.7
1/2000	435.2

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
336.0	0.54	1.08	0.65
308.0	1.63	2.15	1.74
301.1	2.72	3.23	2.82
279.2	3.80	4.30	3.90
271.5	4.89	5.38	4.99
254.0	5.98	6.45	6.07
242.0	7.07	7.53	7.16
234.5	8.15	8.60	8.24
224.6	9.24	9.68	9.33
219.0	10.33	10.75	10.41
208.9	11.41	11.83	11.50
208.5	12.50	12.90	12.58
207.0	13.59	13.98	13.67
206.5	14.67	15.05	14.75
205.5	15.76	16.13	15.84
203.0	16.85	17.20	16.92
198.7	17.93	18.28	18.00
195.7	19.02	19.35	19.09
191.0	20.11	20.43	20.17
190.7	21.20	21.51	21.26
187.4	22.28	22.58	22.34
187.3	23.37	23.66	23.43
182.0	24.46	24.73	24.51
180.3	25.54	25.81	25.60
178.7	26.63	26.88	26.68
178.0	27.72	27.96	27.77
176.0	28.80	29.03	28.85
171.6	29.89	30.11	29.93
170.9	30.98	31.18	31.02
167.4	32.07	32.26	32.10
160.1	33.15	33.33	33.19
157.0	34.24	34.41	34.27
153.6	35.33	35.48	35.36
152.9	36.41	36.56	36.44
152.7	37.50	37.63	37.53
152.0	38.59	38.71	38.61
151.0	39.67	39.78	39.70
148.5	40.76	40.86	40.78
148.0	41.85	41.94	41.87
147.5	42.93	43.01	42.95
145.2	44.02	44.09	44.03
144.0	45.11	45.16	45.12
144.0	46.20	46.24	46.20
143.0	47.28	47.31	47.29
143.0	48.37	48.39	48.37
143.0	49.46	49.46	49.46
142.5	50.54	50.54	50.54
141.4	51.63	51.61	51.63
140.9	52.72	52.69	52.71
139.5	53.80	53.76	53.80
137.5	54.89	54.84	54.88
134.0	55.98	55.91	55.97
133.9	57.07	56.99	57.05
132.0	58.15	58.06	58.13
131.5	59.24	59.14	59.22
131.0	60.33	60.22	60.30
129.2	61.41	61.29	61.39
129.0	62.50	62.37	62.47
129.0	63.59	63.44	63.56
128.0	64.67	64.52	64.64
125.0	65.76	65.59	65.73
124.9	66.85	66.67	66.81
124.0	67.93	67.74	67.90
124.0	69.02	68.82	68.98
124.0	70.11	69.89	70.07
123.7	71.20	70.97	71.15
122.5	72.28	72.04	72.23
121.0	73.37	73.12	73.32
121.0	74.46	74.19	74.40
121.0	75.54	75.27	75.49
120.5	76.63	76.34	76.57
120.0	77.72	77.42	77.66
119.3	78.80	78.49	78.74
117.5	79.89	79.57	79.83
116.5	80.98	80.65	80.91
114.1	82.07	81.72	82.00
111.5	83.15	82.80	83.08
111.5	84.24	83.87	84.16
111.5	85.33	84.95	85.25
105.5	86.41	86.02	86.33
104.1	87.50	87.10	87.42
103.0	88.59	88.17	88.50
101.0	89.67	89.25	89.59
100.7	90.76	90.32	90.67
100.0	91.85	91.40	91.76
99.4	92.93	92.47	92.84
97.0	94.02	93.55	93.93
91.7	95.11	94.62	95.01
90.3	96.20	95.70	96.10
86.3	97.28	96.77	97.18
81.9	98.37	97.85	98.26
77.0	99.46	98.92	99.35

ゲンベル分布による降雨確率表  
(日雨量)  
観測所名 浜松測候所

生起確率(年)	降雨量(mm)
1/ 2	129.2
1/ 3	146.7
1/ 4	157.8
1/ 5	166.1
1/ 7	178.1
1/ 8	182.8
1/ 10	190.5
1/ 20	213.9
1/ 25	221.3
1/ 30	227.4
1/ 40	236.9
1/ 50	244.2
1/ 60	250.2
1/ 70	255.3
1/ 80	259.6
1/ 90	263.5
1/100	266.9
1/ 150	280.2
1/ 200	289.6
1/ 300	302.8
1/ 400	312.2
1/ 500	319.4
1/ 600	325.4
1/ 700	330.4
1/ 800	334.7
1/ 900	338.6
1/1000	342.0
1/1100	345.1
1/1200	347.9
1/1300	350.5
1/1400	352.9
1/1500	355.2
1/2000	364.6

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

雨量(mm)	HazenP.(%)	ThomasP.(%)	CunnaneP.(%)
301.1	0.70	1.39	0.84
271.0	2.11	2.78	2.25
226.0	3.52	4.17	3.65
222.5	4.93	5.56	5.06
221.5	6.34	6.94	6.46
218.8	7.75	8.33	7.87
180.5	9.15	9.72	9.27
176.0	10.56	11.11	10.67
173.5	11.97	12.50	12.08
170.5	13.38	13.89	13.48
169.8	14.79	15.28	14.89
165.8	16.20	16.67	16.29
165.5	17.61	18.06	17.70
165.0	19.01	19.44	19.10
161.7	20.42	20.83	20.51
161.6	21.83	22.22	21.91
158.8	23.24	23.61	23.31
158.3	24.65	25.00	24.72
157.0	26.06	26.39	26.12
156.5	27.46	27.78	27.53
150.5	28.87	29.17	28.93
147.5	30.28	30.56	30.34
146.7	31.69	31.94	31.74
146.5	33.10	33.33	33.15
146.0	34.51	34.72	34.55
145.5	35.92	36.11	35.96
142.0	37.32	37.50	37.36
140.9	38.73	38.89	38.76
140.2	40.14	40.28	40.17
140.0	41.55	41.67	41.57
135.0	42.96	43.06	42.98
130.0	44.37	44.44	44.38
128.0	45.77	45.83	45.79
125.5	47.18	47.22	47.19
125.5	48.59	48.61	48.60
124.0	50.00	50.00	50.00
123.0	51.41	51.39	51.40
122.5	52.82	52.78	52.81
121.0	54.23	54.17	54.21
120.5	55.63	55.56	55.62
119.6	57.04	56.94	57.02
119.0	58.45	58.33	58.43
118.0	59.86	59.72	59.83
118.0	61.27	61.11	61.24
117.5	62.68	62.50	62.64
116.5	64.08	63.89	64.04
116.0	65.49	65.28	65.45
112.9	66.90	66.67	66.85
111.5	68.31	68.06	68.26
111.0	69.72	69.44	69.66
109.5	71.13	70.83	71.07
109.3	72.54	72.22	72.47
106.0	73.94	73.61	73.88
103.0	75.35	75.00	75.28
102.5	76.76	76.39	76.69
102.5	78.17	77.78	78.09
102.2	79.58	79.17	79.49
100.5	80.99	80.56	80.90
99.5	82.39	81.94	82.30
99.0	83.80	83.33	83.71
97.0	85.21	84.72	85.11
96.5	86.62	86.11	86.52
96.3	88.03	87.50	87.92
93.0	89.44	88.89	89.33
91.7	90.85	90.28	90.73
87.5	92.25	91.67	92.13
86.3	93.66	93.06	93.54
85.1	95.07	94.44	94.94
85.0	96.48	95.83	96.35
84.5	97.89	97.22	97.75
81.3	99.30	98.61	99.16