

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DU GAIN
 ELEVATION (from fixed point on Earth) VERSUS GAIN
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LA GANANCIA
 仰角（从地球上固定点）与增益
 ЗАВИСИМОСТЬ УСИЛЕНИЯ (в фиксированной точке на поверхности Земли) ОТ УГЛА МЕСТА
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 (IRNSS Satellite 55_55)

INSAT-NAV-NGSA

Faisceau / Beam / Haz / 波束 / Луч / : L1T

Elévation / Elevation / Elevación / 仰角/ Угол места /	Gain / Ganancia / 增益 / Усиление /
29.25	17.39
29.4	17.38
29.55	17.38
29.71	17.37
29.86	17.37
30.01	17.36
30.17	17.36
30.33	17.35
30.48	17.35
30.64	17.34
30.8	17.34
30.95	17.33
31.11	17.33
31.27	17.32
31.43	17.32
31.58	17.32
31.74	17.31
31.9	17.31
32.06	17.3
32.21	17.3
32.37	17.3
32.53	17.29
32.68	17.29
32.84	17.29
32.99	17.29
33.14	17.28
33.29	17.28
33.44	17.28
33.59	17.28
33.74	17.27
33.88	17.27
34.03	17.27
34.17	17.27
34.31	17.27
34.44	17.26
34.58	17.26
34.71	17.26

34.84	17.26
34.96	17.26
35.08	17.26
35.2	17.26
35.31	17.26
35.42	17.26
35.53	17.26
35.63	17.26
35.73	17.26
35.82	17.26
35.91	17.26
35.99	17.26
36.07	17.26
36.14	17.26
36.21	17.26
36.27	17.26
36.33	17.26
36.37	17.26
36.42	17.26
36.45	17.26
36.48	17.26
36.5	17.27
36.52	17.27
36.53	17.27
36.53	17.27
36.52	17.28
36.5	17.28
36.48	17.28
36.45	17.28
36.41	17.29
36.37	17.29
36.31	17.3
36.25	17.3
36.18	17.3
36.1	17.31
36.01	17.31
35.91	17.32
35.81	17.32
35.69	17.33
35.57	17.33
35.44	17.34
35.3	17.35
35.15	17.35
34.99	17.36
34.83	17.37
34.65	17.38
34.47	17.38
34.28	17.39
34.08	17.4
33.87	17.41

33.65	17.42
33.43	17.42
33.2	17.43
32.95	17.44
32.71	17.45
32.45	17.46
32.19	17.47
31.92	17.48
31.64	17.49
31.36	17.5
31.06	17.52
30.77	17.53
30.46	17.54
30.15	17.55
29.83	17.56
29.51	17.57
29.18	17.59
28.85	17.61
28.51	17.66
28.16	17.7
27.81	17.73
27.46	17.74
27.1	17.75
26.74	17.77
26.37	17.78
26	17.79
25.62	17.81
25.25	17.82
24.86	17.84
24.48	17.85
24.09	17.86
23.7	17.88
23.31	17.89
22.92	17.91
22.52	17.92
22.13	17.94
21.73	17.95
21.33	17.96
20.93	17.98
20.53	17.99
20.12	18.01
19.72	18.02
19.32	18.03
18.92	18.05
18.52	18.06
18.12	18.08
17.72	18.09
17.32	18.1
16.92	18.12
16.52	18.13

16.13	18.14
15.73	18.16
15.34	18.17
14.95	18.18
14.57	18.19
14.18	18.21
13.8	18.22
13.42	18.23
13.05	18.24
12.68	18.25
12.31	18.26
11.94	18.27
11.58	18.28
11.22	18.3
10.87	18.31
10.52	18.32
10.18	18.33
9.84	18.37
9.5	18.4
9.17	18.41
8.85	18.42
8.53	18.43
8.22	18.44
7.91	18.45
7.6	18.45
7.31	18.46
7.02	18.47
6.73	18.48
6.45	18.48
6.18	18.49
5.91	18.5
5.65	18.5
5.4	18.51
5.15	18.51
4.91	18.52
4.68	18.52
4.45	18.53
4.23	18.53
4.02	18.54
3.81	18.54
3.61	18.55
3.42	18.55
3.24	18.56
3.07	18.56
2.9	18.56
2.74	18.57
2.58	18.57
2.44	18.57
2.3	18.57
2.17	18.58

2.05	18.58
1.93	18.58
1.83	18.58
1.73	18.58
1.63	18.58
1.55	18.59
1.48	18.59
1.41	18.59
1.35	18.59
1.3	18.59
1.25	18.59
1.21	18.59
1.18	18.59
1.16	18.59
1.15	18.59
1.14	18.59
1.14	18.59
1.15	18.59
1.17	18.59
1.19	18.59
1.22	18.59
1.26	18.59
1.31	18.58
1.36	18.58
1.42	18.58
1.48	18.58
1.56	18.58
1.64	18.58
1.72	18.58
1.82	18.57
1.91	18.57
2.02	18.57
2.13	18.57
2.25	18.57
2.37	18.56
2.5	18.56
2.64	18.56
2.78	18.56
2.93	18.55
3.08	18.55
3.24	18.55
3.4	18.54
3.57	18.54
3.74	18.54
3.92	18.54
4.1	18.53
4.29	18.53
4.48	18.53
4.68	18.52
4.87	18.52

5.08	18.52
5.28	18.51
5.5	18.51
5.71	18.5
5.93	18.5
6.15	18.5
6.37	18.49
6.6	18.49
6.83	18.48
7.06	18.48
7.29	18.48
7.53	18.47
7.77	18.47
8.01	18.46
8.25	18.46
8.49	18.45
8.74	18.45
8.98	18.44
9.23	18.44
9.48	18.43
9.73	18.43
9.98	18.42
10.24	18.42
10.49	18.41
10.74	18.4
10.99	18.39
11.25	18.36
11.5	18.34
11.75	18.32
12.01	18.32
12.26	18.31
12.51	18.3
12.76	18.3
13.02	18.29
13.27	18.28
13.52	18.28
13.76	18.27
14.01	18.26
14.26	18.25
14.5	18.25
14.75	18.24
14.99	18.23
15.23	18.22
15.47	18.22
15.71	18.21
15.94	18.2
16.18	18.19
16.41	18.18
16.64	18.18
16.87	18.17

17.1	18.16
17.32	18.15
17.54	18.14
17.76	18.13
17.98	18.12
18.2	18.11
18.41	18.1
18.62	18.09
18.83	18.08
19.04	18.08
19.24	18.07
19.45	18.06
19.65	18.05
19.84	18.04
20.04	18.03
20.23	18.02
20.42	18.01
20.61	18
20.8	17.99
20.98	17.98
21.16	17.96
21.34	17.95
21.52	17.94
21.7	17.93
21.87	17.92
22.04	17.91
22.21	17.9
22.38	17.89
22.55	17.88
22.71	17.87
22.88	17.86
23.04	17.85
23.2	17.84
23.36	17.83
23.51	17.82
23.67	17.81
23.82	17.8
23.98	17.79
24.13	17.78
24.28	17.77
24.43	17.76
24.58	17.75
24.73	17.74
24.87	17.73
25.02	17.7
25.17	17.67
25.31	17.64
25.46	17.61
25.6	17.59
25.75	17.58

25.89	17.57
26.03	17.56
26.18	17.55
26.32	17.54
26.47	17.53
26.61	17.53
26.75	17.52
26.9	17.51
27.04	17.5
27.18	17.49
27.33	17.48
27.47	17.48
27.62	17.47
27.77	17.46
27.91	17.45
28.06	17.45
28.21	17.44
28.35	17.43
28.5	17.42
28.65	17.42
28.8	17.41
28.95	17.4
29.1	17.4
29.25	17.39
29.41	17.39

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DU GAIN
 ELEVATION (from fixed point on Earth) VERSUS GAIN
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LA GANANCIA
 仰角（从地球上固定点）与增益
 ЗАВИСИМОСТЬ УСИЛЕНИЯ (в фиксированной точке на поверхности Земли) ОТ УГЛА МЕСТА
 ()
 (IRNSS Satellite 55_55)

INSAT-NAV-NGSA

Faisceau / Beam / Haz / 波束 / Луч / : L5T

Elévation / Elevation / Elevación / 仰角/ Угол места /	Gain / Ganancia / 增益 / Усиление /
29.25	17.39
29.4	17.38
29.55	17.38
29.71	17.37
29.86	17.37
30.01	17.36
30.17	17.36
30.33	17.35
30.48	17.35
30.64	17.34
30.8	17.34
30.95	17.33
31.11	17.33
31.27	17.32
31.43	17.32
31.58	17.32
31.74	17.31
31.9	17.31
32.06	17.3
32.21	17.3
32.37	17.3
32.53	17.29
32.68	17.29
32.84	17.29
32.99	17.29
33.14	17.28
33.29	17.28
33.44	17.28
33.59	17.28
33.74	17.27
33.88	17.27
34.03	17.27
34.17	17.27
34.31	17.27
34.44	17.26
34.58	17.26
34.71	17.26

34.84	17.26
34.96	17.26
35.08	17.26
35.2	17.26
35.31	17.26
35.42	17.26
35.53	17.26
35.63	17.26
35.73	17.26
35.82	17.26
35.91	17.26
35.99	17.26
36.07	17.26
36.14	17.26
36.21	17.26
36.27	17.26
36.33	17.26
36.37	17.26
36.42	17.26
36.45	17.26
36.48	17.26
36.5	17.27
36.52	17.27
36.53	17.27
36.53	17.27
36.52	17.28
36.5	17.28
36.48	17.28
36.45	17.28
36.41	17.29
36.37	17.29
36.31	17.3
36.25	17.3
36.18	17.3
36.1	17.31
36.01	17.31
35.91	17.32
35.81	17.32
35.69	17.33
35.57	17.33
35.44	17.34
35.3	17.35
35.15	17.35
34.99	17.36
34.83	17.37
34.65	17.38
34.47	17.38
34.28	17.39
34.08	17.4
33.87	17.41

33.65	17.42
33.43	17.42
33.2	17.43
32.95	17.44
32.71	17.45
32.45	17.46
32.19	17.47
31.92	17.48
31.64	17.49
31.36	17.5
31.06	17.52
30.77	17.53
30.46	17.54
30.15	17.55
29.83	17.56
29.51	17.57
29.18	17.59
28.85	17.61
28.51	17.66
28.16	17.7
27.81	17.73
27.46	17.74
27.1	17.75
26.74	17.77
26.37	17.78
26	17.79
25.62	17.81
25.25	17.82
24.86	17.84
24.48	17.85
24.09	17.86
23.7	17.88
23.31	17.89
22.92	17.91
22.52	17.92
22.13	17.94
21.73	17.95
21.33	17.96
20.93	17.98
20.53	17.99
20.12	18.01
19.72	18.02
19.32	18.03
18.92	18.05
18.52	18.06
18.12	18.08
17.72	18.09
17.32	18.1
16.92	18.12
16.52	18.13

16.13	18.14
15.73	18.16
15.34	18.17
14.95	18.18
14.57	18.19
14.18	18.21
13.8	18.22
13.42	18.23
13.05	18.24
12.68	18.25
12.31	18.26
11.94	18.27
11.58	18.28
11.22	18.3
10.87	18.31
10.52	18.32
10.18	18.33
9.84	18.37
9.5	18.4
9.17	18.41
8.85	18.42
8.53	18.43
8.22	18.44
7.91	18.45
7.6	18.45
7.31	18.46
7.02	18.47
6.73	18.48
6.45	18.48
6.18	18.49
5.91	18.5
5.65	18.5
5.4	18.51
5.15	18.51
4.91	18.52
4.68	18.52
4.45	18.53
4.23	18.53
4.02	18.54
3.81	18.54
3.61	18.55
3.42	18.55
3.24	18.56
3.07	18.56
2.9	18.56
2.74	18.57
2.58	18.57
2.44	18.57
2.3	18.57
2.17	18.58

2.05	18.58
1.93	18.58
1.83	18.58
1.73	18.58
1.63	18.58
1.55	18.59
1.48	18.59
1.41	18.59
1.35	18.59
1.3	18.59
1.25	18.59
1.21	18.59
1.18	18.59
1.16	18.59
1.15	18.59
1.14	18.59
1.14	18.59
1.15	18.59
1.17	18.59
1.19	18.59
1.22	18.59
1.26	18.59
1.31	18.58
1.36	18.58
1.42	18.58
1.48	18.58
1.56	18.58
1.64	18.58
1.72	18.58
1.82	18.57
1.91	18.57
2.02	18.57
2.13	18.57
2.25	18.57
2.37	18.56
2.5	18.56
2.64	18.56
2.78	18.56
2.93	18.55
3.08	18.55
3.24	18.55
3.4	18.54
3.57	18.54
3.74	18.54
3.92	18.54
4.1	18.53
4.29	18.53
4.48	18.53
4.68	18.52
4.87	18.52

5.08	18.52
5.28	18.51
5.5	18.51
5.71	18.5
5.93	18.5
6.15	18.5
6.37	18.49
6.6	18.49
6.83	18.48
7.06	18.48
7.29	18.48
7.53	18.47
7.77	18.47
8.01	18.46
8.25	18.46
8.49	18.45
8.74	18.45
8.98	18.44
9.23	18.44
9.48	18.43
9.73	18.43
9.98	18.42
10.24	18.42
10.49	18.41
10.74	18.4
10.99	18.39
11.25	18.36
11.5	18.34
11.75	18.32
12.01	18.32
12.26	18.31
12.51	18.3
12.76	18.3
13.02	18.29
13.27	18.28
13.52	18.28
13.76	18.27
14.01	18.26
14.26	18.25
14.5	18.25
14.75	18.24
14.99	18.23
15.23	18.22
15.47	18.22
15.71	18.21
15.94	18.2
16.18	18.19
16.41	18.18
16.64	18.18
16.87	18.17

17.1	18.16
17.32	18.15
17.54	18.14
17.76	18.13
17.98	18.12
18.2	18.11
18.41	18.1
18.62	18.09
18.83	18.08
19.04	18.08
19.24	18.07
19.45	18.06
19.65	18.05
19.84	18.04
20.04	18.03
20.23	18.02
20.42	18.01
20.61	18
20.8	17.99
20.98	17.98
21.16	17.96
21.34	17.95
21.52	17.94
21.7	17.93
21.87	17.92
22.04	17.91
22.21	17.9
22.38	17.89
22.55	17.88
22.71	17.87
22.88	17.86
23.04	17.85
23.2	17.84
23.36	17.83
23.51	17.82
23.67	17.81
23.82	17.8
23.98	17.79
24.13	17.78
24.28	17.77
24.43	17.76
24.58	17.75
24.73	17.74
24.87	17.73
25.02	17.7
25.17	17.67
25.31	17.64
25.46	17.61
25.6	17.59
25.75	17.58

25.89	17.57
26.03	17.56
26.18	17.55
26.32	17.54
26.47	17.53
26.61	17.53
26.75	17.52
26.9	17.51
27.04	17.5
27.18	17.49
27.33	17.48
27.47	17.48
27.62	17.47
27.77	17.46
27.91	17.45
28.06	17.45
28.21	17.44
28.35	17.43
28.5	17.42
28.65	17.42
28.8	17.41
28.95	17.4
29.1	17.4
29.25	17.39
29.41	17.39

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DU GAIN - BANDE S
 S-BAND - ELEVATION (from fixed point on Earth) VERSUS GAIN
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LA GANANCIA - BANDA S
 仰角 (从地球上固定点) 与增益 - S频段
 ЗАВИСИМОСТЬ УСИЛЕНИЯ (в фиксированной точке на поверхности Земли) ОТ УГЛА МЕСТА - ДИАПАЗОН S

S - ()
 (IRNSS Satellite 55_55)

INSAT-NAV-NGSA

Faisceau / Beam / Haz / 波束 / Луч / : S1T

Elévation / Elevation / Elevación / 仰角 / Угол места / زاوية الارتفاع	Gain / Ganancia / 增益 / Усиление / الكسب
29.25	19.39
29.4	19.38
29.55	19.38
29.71	19.37
29.86	19.37
30.01	19.36
30.17	19.36
30.33	19.35
30.48	19.35
30.64	19.34
30.8	19.34
30.95	19.33
31.11	19.33
31.27	19.32
31.43	19.32
31.58	19.32
31.74	19.31
31.9	19.31
32.06	19.3
32.21	19.3
32.37	19.3
32.53	19.29
32.68	19.29
32.84	19.29
32.99	19.29
33.14	19.28
33.29	19.28
33.44	19.28
33.59	19.28
33.74	19.27
33.88	19.27
34.03	19.27
34.17	19.27
34.31	19.27
34.44	19.26
34.58	19.26
34.71	19.26

34.84	19.26
34.96	19.26
35.08	19.26
35.2	19.26
35.31	19.26
35.42	19.26
35.53	19.26
35.63	19.26
35.73	19.26
35.82	19.26
35.91	19.26
35.99	19.26
36.07	19.26
36.14	19.26
36.21	19.26
36.27	19.26
36.33	19.26
36.37	19.26
36.42	19.26
36.45	19.26
36.48	19.26
36.5	19.27
36.52	19.27
36.53	19.27
36.53	19.27
36.52	19.28
36.5	19.28
36.48	19.28
36.45	19.28
36.41	19.29
36.37	19.29
36.31	19.3
36.25	19.3
36.18	19.3
36.1	19.31
36.01	19.31
35.91	19.32
35.81	19.32
35.69	19.33
35.57	19.33
35.44	19.34
35.3	19.35
35.15	19.35
34.99	19.36
34.83	19.37
34.65	19.38
34.47	19.38
34.28	19.39
34.08	19.4
33.87	19.41

33.65	19.42
33.43	19.42
33.2	19.43
32.95	19.44
32.71	19.45
32.45	19.46
32.19	19.47
31.92	19.48
31.64	19.49
31.36	19.5
31.06	19.52
30.77	19.53
30.46	19.54
30.15	19.55
29.83	19.56
29.51	19.57
29.18	19.59
28.85	19.61
28.51	19.66
28.16	19.7
27.81	19.73
27.46	19.74
27.1	19.75
26.74	19.77
26.37	19.78
26	19.79
25.62	19.81
25.25	19.82
24.86	19.84
24.48	19.85
24.09	19.86
23.7	19.88
23.31	19.89
22.92	19.91
22.52	19.92
22.13	19.94
21.73	19.95
21.33	19.96
20.93	19.98
20.53	19.99
20.12	20.01
19.72	20.02
19.32	20.03
18.92	20.05
18.52	20.06
18.12	20.08
17.72	20.09
17.32	20.1
16.92	20.12
16.52	20.13

16.13	20.14
15.73	20.16
15.34	20.17
14.95	20.18
14.57	20.19
14.18	20.21
13.8	20.22
13.42	20.23
13.05	20.24
12.68	20.25
12.31	20.26
11.94	20.27
11.58	20.28
11.22	20.3
10.87	20.31
10.52	20.32
10.18	20.33
9.84	20.37
9.5	20.4
9.17	20.41
8.85	20.42
8.53	20.43
8.22	20.44
7.91	20.45
7.6	20.45
7.31	20.46
7.02	20.47
6.73	20.48
6.45	20.48
6.18	20.49
5.91	20.5
5.65	20.5
5.4	20.51
5.15	20.51
4.91	20.52
4.68	20.52
4.45	20.53
4.23	20.53
4.02	20.54
3.81	20.54
3.61	20.55
3.42	20.55
3.24	20.56
3.07	20.56
2.9	20.56
2.74	20.57
2.58	20.57
2.44	20.57
2.3	20.57
2.17	20.58

2.05	20.58
1.93	20.58
1.83	20.58
1.73	20.58
1.63	20.58
1.55	20.59
1.48	20.59
1.41	20.59
1.35	20.59
1.3	20.59
1.25	20.59
1.21	20.59
1.18	20.59
1.16	20.59
1.15	20.59
1.14	20.59
1.14	20.59
1.15	20.59
1.17	20.59
1.19	20.59
1.22	20.59
1.26	20.59
1.31	20.58
1.36	20.58
1.42	20.58
1.48	20.58
1.56	20.58
1.64	20.58
1.72	20.58
1.82	20.57
1.91	20.57
2.02	20.57
2.13	20.57
2.25	20.57
2.37	20.56
2.5	20.56
2.64	20.56
2.78	20.56
2.93	20.55
3.08	20.55
3.24	20.55
3.4	20.54
3.57	20.54
3.74	20.54
3.92	20.54
4.1	20.53
4.29	20.53
4.48	20.53
4.68	20.52
4.87	20.52

5.08	20.52
5.28	20.51
5.5	20.51
5.71	20.5
5.93	20.5
6.15	20.5
6.37	20.49
6.6	20.49
6.83	20.48
7.06	20.48
7.29	20.48
7.53	20.47
7.77	20.47
8.01	20.46
8.25	20.46
8.49	20.45
8.74	20.45
8.98	20.44
9.23	20.44
9.48	20.43
9.73	20.43
9.98	20.42
10.24	20.42
10.49	20.41
10.74	20.4
10.99	20.39
11.25	20.36
11.5	20.34
11.75	20.32
12.01	20.32
12.26	20.31
12.51	20.3
12.76	20.3
13.02	20.29
13.27	20.28
13.52	20.28
13.76	20.27
14.01	20.26
14.26	20.25
14.5	20.25
14.75	20.24
14.99	20.23
15.23	20.22
15.47	20.22
15.71	20.21
15.94	20.2
16.18	20.19
16.41	20.18
16.64	20.18
16.87	20.17

17.1	20.16
17.32	20.15
17.54	20.14
17.76	20.13
17.98	20.12
18.2	20.11
18.41	20.1
18.62	20.09
18.83	20.08
19.04	20.08
19.24	20.07
19.45	20.06
19.65	20.05
19.84	20.04
20.04	20.03
20.23	20.02
20.42	20.01
20.61	20
20.8	19.99
20.98	19.98
21.16	19.96
21.34	19.95
21.52	19.94
21.7	19.93
21.87	19.92
22.04	19.91
22.21	19.9
22.38	19.89
22.55	19.88
22.71	19.87
22.88	19.86
23.04	19.85
23.2	19.84
23.36	19.83
23.51	19.82
23.67	19.81
23.82	19.8
23.98	19.79
24.13	19.78
24.28	19.77
24.43	19.76
24.58	19.75
24.73	19.74
24.87	19.73
25.02	19.7
25.17	19.67
25.31	19.64
25.46	19.61
25.6	19.59
25.75	19.58

25.89	19.57
26.03	19.56
26.18	19.55
26.32	19.54
26.47	19.53
26.61	19.53
26.75	19.52
26.9	19.51
27.04	19.5
27.18	19.49
27.33	19.48
27.47	19.48
27.62	19.47
27.77	19.46
27.91	19.45
28.06	19.45
28.21	19.44
28.35	19.43
28.5	19.42
28.65	19.42
28.8	19.41
28.95	19.4
29.1	19.4
29.25	19.39
29.41	19.39

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DE L'AFFAIBLISSEMENT GEOMETRIQUE
 ELEVATION (from fixed point on Earth) VERSUS SPREADING LOSS
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LAS PÉRDIDAS POR DISPERSIÓN
 仰角（从地球上固定点）与扩展损失
 ЗАВИСИМОСТЬ УГЛА МЕСТА (из фиксированной точки на Земле) ОТ ПОТЕРЬ НА РАСХОДИМОСТЬ
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 (IRNSS Satellite 111_235)

INSAT-NAV-NGSA

Faisceau / Beam / Haz / 波束 / Луч / : L1T

Elévation / Elevation / Elevación / 仰角/ Угол места / زاوية الارتفاع	Affaiblissement géométrique / Spreading Loss / Pérdida por dispersión / 扩展损耗 / Потери на расходимость /
25.18	-162.87
25.39	-162.87
25.61	-162.86
25.83	-162.86
26.07	-162.85
26.31	-162.85
26.56	-162.84
26.83	-162.84
27.1	-162.83
27.38	-162.83
27.66	-162.82
27.96	-162.81
28.26	-162.81
28.58	-162.8
28.9	-162.79
29.23	-162.79
29.56	-162.78
29.91	-162.77
30.26	-162.77
30.62	-162.76
30.99	-162.75
31.36	-162.75
31.74	-162.74
32.13	-162.73
32.52	-162.72
32.93	-162.71
33.34	-162.71
33.75	-162.7
34.17	-162.69
34.6	-162.68
35.03	-162.67
35.47	-162.67
35.92	-162.66
36.37	-162.65
36.83	-162.64
37.29	-162.63

37.75	-162.62
38.23	-162.62
38.7	-162.61
39.19	-162.6
39.67	-162.59
40.16	-162.58
40.66	-162.57
41.16	-162.56
41.66	-162.56
42.17	-162.55
42.68	-162.54
43.2	-162.53
43.71	-162.52
44.24	-162.51
44.76	-162.5
45.29	-162.49
45.82	-162.49
46.35	-162.48
46.89	-162.47
47.42	-162.46
47.96	-162.45
48.51	-162.44
49.05	-162.44
49.59	-162.43
50.14	-162.42
50.69	-162.41
51.24	-162.4
51.79	-162.4
52.34	-162.39
52.89	-162.38
53.44	-162.37
53.99	-162.37
54.54	-162.36
55.1	-162.35
55.65	-162.34
56.2	-162.34
56.75	-162.33
57.3	-162.32
57.85	-162.32
58.4	-162.31
58.94	-162.3
59.49	-162.3
60.03	-162.29
60.58	-162.28
61.12	-162.28
61.66	-162.27
62.19	-162.27
62.73	-162.26
63.26	-162.26
63.79	-162.25

64.31	-162.25
64.84	-162.24
65.36	-162.24
65.87	-162.23
66.39	-162.23
66.9	-162.22
67.4	-162.22
67.91	-162.21
68.4	-162.21
68.9	-162.2
69.39	-162.2
69.87	-162.2
70.35	-162.19
70.83	-162.19
71.3	-162.18
71.77	-162.18
72.23	-162.18
72.68	-162.18
73.13	-162.17
73.58	-162.17
74.02	-162.17
74.45	-162.16
74.88	-162.16
75.3	-162.16
75.71	-162.16
76.12	-162.15
76.53	-162.15
76.92	-162.15
77.31	-162.15
77.7	-162.15
78.07	-162.14
78.44	-162.14
78.81	-162.14
79.16	-162.14
79.52	-162.14
79.86	-162.14
80.19	-162.14
80.52	-162.13
80.85	-162.13
81.16	-162.13
81.47	-162.13
81.77	-162.13
82.07	-162.13
82.36	-162.13
82.64	-162.13
82.91	-162.13
83.18	-162.13
83.44	-162.12
83.69	-162.12
83.94	-162.12

84.18	-162.12
84.42	-162.12
84.65	-162.12
84.87	-162.12
85.09	-162.12
85.3	-162.12
85.51	-162.12
85.71	-162.12
85.9	-162.12
86.09	-162.12
86.28	-162.12
86.46	-162.12
86.63	-162.12
86.81	-162.12
86.97	-162.12
87.13	-162.12
87.29	-162.12
87.44	-162.12
87.59	-162.12
87.73	-162.12
87.87	-162.12
88	-162.12
88.11	-162.12
88.22	-162.12
88.32	-162.12
88.4	-162.12
88.46	-162.12
88.5	-162.12
88.51	-162.12
88.5	-162.12
88.46	-162.12
88.4	-162.12
88.32	-162.12
88.21	-162.12
88.08	-162.12
87.93	-162.12
87.77	-162.12
87.59	-162.12
87.4	-162.12
87.2	-162.12
86.99	-162.12
86.77	-162.12
86.53	-162.12
86.29	-162.12
86.05	-162.12
85.79	-162.12
85.52	-162.12
85.25	-162.12
84.97	-162.12
84.68	-162.12

84.38	-162.12
84.08	-162.12
83.77	-162.12
83.45	-162.12
83.13	-162.13
82.79	-162.13
82.45	-162.13
82.11	-162.13
81.75	-162.13
81.39	-162.13
81.02	-162.13
80.65	-162.13
80.27	-162.13
79.88	-162.14
79.49	-162.14
79.09	-162.14
78.68	-162.14
78.27	-162.14
77.85	-162.15
77.42	-162.15
76.99	-162.15
76.56	-162.15
76.11	-162.15
75.66	-162.16
75.21	-162.16
74.75	-162.16
74.29	-162.16
73.82	-162.17
73.34	-162.17
72.86	-162.17
72.38	-162.18
71.89	-162.18
71.39	-162.18
70.89	-162.19
70.39	-162.19
69.88	-162.2
69.37	-162.2
68.86	-162.2
68.34	-162.21
67.82	-162.21
67.29	-162.22
66.76	-162.22
66.23	-162.23
65.69	-162.23
65.15	-162.24
64.61	-162.24
64.07	-162.25
63.52	-162.25
62.98	-162.26
62.42	-162.26

61.87	-162.27
61.32	-162.28
60.76	-162.28
60.21	-162.29
59.65	-162.3
59.09	-162.3
58.53	-162.31
57.96	-162.32
57.4	-162.32
56.84	-162.33
56.28	-162.34
55.71	-162.34
55.15	-162.35
54.59	-162.36
54.02	-162.37
53.46	-162.37
52.9	-162.38
52.34	-162.39
51.78	-162.4
51.22	-162.4
50.66	-162.41
50.1	-162.42
49.55	-162.43
48.99	-162.44
48.44	-162.45
47.89	-162.45
47.35	-162.46
46.8	-162.47
46.26	-162.48
45.72	-162.49
45.18	-162.5
44.65	-162.51
44.12	-162.51
43.59	-162.52
43.07	-162.53
42.55	-162.54
42.03	-162.55
41.52	-162.56
41.01	-162.57
40.51	-162.58
40.01	-162.58
39.52	-162.59
39.03	-162.6
38.54	-162.61
38.06	-162.62
37.59	-162.63
37.12	-162.64
36.65	-162.64
36.2	-162.65
35.74	-162.66

35.3	-162.67
34.85	-162.68
34.42	-162.69
33.99	-162.69
33.57	-162.7
33.15	-162.71
32.75	-162.72
32.34	-162.73
31.95	-162.73
31.56	-162.74
31.18	-162.75
30.81	-162.76
30.44	-162.76
30.08	-162.77
29.73	-162.78
29.39	-162.78
29.05	-162.79
28.72	-162.8
28.41	-162.8
28.1	-162.81
27.79	-162.82
27.5	-162.82
27.21	-162.83
26.94	-162.83
26.67	-162.84
26.41	-162.84
26.16	-162.85
25.92	-162.86
25.68	-162.86
25.46	-162.86
25.25	-162.87
25.04	-162.87
24.85	-162.88
24.66	-162.88
24.48	-162.88
24.32	-162.89
24.16	-162.89
24.01	-162.89
23.87	-162.9
23.74	-162.9
23.63	-162.9
23.52	-162.91
23.42	-162.91
23.33	-162.91
23.25	-162.91
23.18	-162.91
23.12	-162.91
23.07	-162.91
23.03	-162.92
23	-162.92

22.99	-162.92
22.98	-162.92
22.98	-162.92
22.99	-162.92
23.01	-162.92
23.04	-162.92
23.08	-162.91
23.13	-162.91
23.2	-162.91
23.27	-162.91
23.35	-162.91
23.44	-162.91
23.54	-162.9
23.65	-162.9
23.77	-162.9
23.9	-162.9
24.04	-162.89
24.19	-162.89
24.35	-162.89
24.52	-162.88
24.69	-162.88
24.88	-162.88
25.08	-162.87
25.28	-162.87
25.5	-162.86

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DE L'AFFAIBLISSEMENT GEOMETRIQUE
 ELEVATION (from fixed point on Earth) VERSUS SPREADING LOSS
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LAS PÉRDIDAS POR DISPERSIÓN
 仰角（从地球上固定点）与扩展损失
 ЗАВИСИМОСТЬ УГЛА МЕСТА (из фиксированной точки на Земле) ОТ ПОТЕРЬ НА РАСХОДИМОСТЬ
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 (IRNSS Satellite 55_55)

INSAT-NAV-NGSA

Faisceaux / Beams / Haces / 波束 / Луч / : L5T

Elévation / Elevation / Elevación / 仰角/ Угол места / زاوية الارتفاع	Affaiblissement géométrique / Spreading Loss / Pérdida por dispersión / 扩展损耗 / Потери на расходимость /
29.3	-162.79
29.45	-162.78
29.6	-162.78
29.74	-162.78
29.89	-162.77
30.04	-162.77
30.19	-162.77
30.34	-162.77
30.49	-162.76
30.64	-162.76
30.79	-162.76
30.94	-162.75
31.09	-162.75
31.24	-162.75
31.39	-162.74
31.55	-162.74
31.7	-162.74
31.85	-162.74
32	-162.73
32.15	-162.73
32.3	-162.73
32.45	-162.72
32.6	-162.72
32.75	-162.72
32.89	-162.72
33.04	-162.71
33.19	-162.71
33.33	-162.71
33.47	-162.7
33.61	-162.7
33.75	-162.7
33.89	-162.7
34.02	-162.69
34.15	-162.69
34.28	-162.69
34.41	-162.69

34.53	-162.68
34.65	-162.68
34.77	-162.68
34.88	-162.68
34.99	-162.68
35.1	-162.67
35.2	-162.67
35.3	-162.67
35.4	-162.67
35.49	-162.67
35.57	-162.66
35.65	-162.66
35.72	-162.66
35.79	-162.66
35.86	-162.66
35.92	-162.66
35.97	-162.66
36.01	-162.66
36.05	-162.66
36.09	-162.65
36.11	-162.65
36.13	-162.65
36.14	-162.65
36.15	-162.65
36.15	-162.65
36.14	-162.65
36.12	-162.65
36.1	-162.65
36.06	-162.66
36.02	-162.66
35.97	-162.66
35.92	-162.66
35.85	-162.66
35.78	-162.66
35.7	-162.66
35.61	-162.66
35.51	-162.67
35.4	-162.67
35.28	-162.67
35.16	-162.67
35.02	-162.67
34.88	-162.68
34.73	-162.68
34.57	-162.68
34.4	-162.69
34.22	-162.69
34.04	-162.69
33.84	-162.7
33.64	-162.7
33.43	-162.71

33.21	-162.71
32.98	-162.71
32.75	-162.72
32.51	-162.72
32.25	-162.73
32	-162.73
31.73	-162.74
31.45	-162.74
31.17	-162.75
30.89	-162.75
30.59	-162.76
30.29	-162.77
29.98	-162.77
29.66	-162.78
29.34	-162.79
29.02	-162.79
28.68	-162.8
28.34	-162.81
28	-162.81
27.65	-162.82
27.3	-162.83
26.94	-162.83
26.57	-162.84
26.21	-162.85
25.83	-162.86
25.46	-162.86
25.08	-162.87
24.7	-162.88
24.31	-162.89
23.92	-162.9
23.53	-162.9
23.13	-162.91
22.74	-162.92
22.34	-162.93
21.94	-162.94
21.53	-162.95
21.13	-162.96
20.73	-162.96
20.32	-162.97
19.91	-162.98
19.51	-162.99
19.1	-163
18.69	-163.01
18.28	-163.02
17.88	-163.03
17.47	-163.04
17.06	-163.04
16.66	-163.05
16.25	-163.06
15.85	-163.07

15.45	-163.08
15.05	-163.09
14.65	-163.1
14.26	-163.11
13.87	-163.12
13.48	-163.12
13.09	-163.13
12.71	-163.14
12.33	-163.15
11.95	-163.16
11.57	-163.17
11.2	-163.18
10.84	-163.18
10.47	-163.19
10.12	-163.2
9.76	-163.21
9.41	-163.22
9.07	-163.22
8.73	-163.23
8.39	-163.24
8.06	-163.25
7.74	-163.25
7.42	-163.26
7.1	-163.27
6.8	-163.28
6.49	-163.28
6.2	-163.29
5.91	-163.3
5.62	-163.3
5.35	-163.31
5.07	-163.32
4.81	-163.32
4.55	-163.33
4.3	-163.33
4.06	-163.34
3.82	-163.34
3.59	-163.35
3.36	-163.35
3.15	-163.36
2.94	-163.36
2.74	-163.37
2.54	-163.37
2.36	-163.38
2.18	-163.38
2	-163.39
1.84	-163.39
1.68	-163.39
1.53	-163.4
1.39	-163.4
1.26	-163.4

1.13	-163.41
1.02	-163.41
0.91	-163.41
0.8	-163.41
0.71	-163.42
0.62	-163.42
0.54	-163.42
0.47	-163.42
0.41	-163.42
0.36	-163.42
0.31	-163.43
0.27	-163.43
0.24	-163.43
0.21	-163.43
0.2	-163.43
0.19	-163.43
0.19	-163.43
0.19	-163.43
0.2	-163.43
0.23	-163.43
0.25	-163.43
0.29	-163.43
0.33	-163.42
0.38	-163.42
0.44	-163.42
0.5	-163.42
0.57	-163.42
0.65	-163.42
0.73	-163.42
0.82	-163.41
0.92	-163.41
1.02	-163.41
1.13	-163.41
1.24	-163.4
1.36	-163.4
1.49	-163.4
1.62	-163.39
1.76	-163.39
1.9	-163.39
2.05	-163.38
2.21	-163.38
2.36	-163.38
2.53	-163.37
2.7	-163.37
2.87	-163.37
3.05	-163.36
3.23	-163.36
3.41	-163.35
3.6	-163.35
3.8	-163.34

4	-163.34
4.2	-163.34
4.4	-163.33
4.61	-163.33
4.82	-163.32
5.03	-163.32
5.25	-163.31
5.47	-163.31
5.69	-163.3
5.92	-163.3
6.14	-163.29
6.37	-163.29
6.6	-163.28
6.83	-163.27
7.07	-163.27
7.3	-163.26
7.54	-163.26
7.78	-163.25
8.02	-163.25
8.26	-163.24
8.5	-163.24
8.74	-163.23
8.98	-163.23
9.22	-163.22
9.46	-163.21
9.71	-163.21
9.95	-163.2
10.19	-163.2
10.43	-163.19
10.68	-163.19
10.92	-163.18
11.16	-163.18
11.4	-163.17
11.64	-163.17
11.87	-163.16
12.11	-163.15
12.35	-163.15
12.58	-163.14
12.81	-163.14
13.05	-163.13
13.28	-163.13
13.51	-163.12
13.73	-163.12
13.96	-163.11
14.18	-163.11
14.4	-163.1
14.62	-163.1
14.84	-163.09
15.06	-163.09
15.27	-163.08

15.49	-163.08
15.7	-163.07
15.9	-163.07
16.11	-163.07
16.31	-163.06
16.51	-163.06
16.71	-163.05
16.91	-163.05
17.1	-163.04
17.3	-163.04
17.49	-163.04
17.67	-163.03
17.86	-163.03
18.04	-163.02
18.22	-163.02
18.4	-163.02
18.58	-163.01
18.75	-163.01
18.93	-163
19.1	-163
19.27	-163
19.43	-162.99
19.6	-162.99
19.76	-162.99
19.92	-162.98
20.08	-162.98
20.24	-162.98
20.39	-162.97
20.55	-162.97
20.7	-162.97
20.85	-162.96
21	-162.96
21.15	-162.96
21.29	-162.95
21.44	-162.95
21.58	-162.95
21.73	-162.94
21.87	-162.94
22.01	-162.94
22.15	-162.93
22.29	-162.93
22.43	-162.93
22.57	-162.93
22.71	-162.92
22.84	-162.92
22.98	-162.92
23.12	-162.91
23.26	-162.91
23.39	-162.91
23.53	-162.9

23.66	-162.9
23.8	-162.9
23.94	-162.9
24.07	-162.89
24.21	-162.89
24.35	-162.89
24.48	-162.88
24.62	-162.88
24.76	-162.88
24.9	-162.88
25.03	-162.87
25.17	-162.87
25.31	-162.87
25.45	-162.86
25.59	-162.86
25.74	-162.86
25.88	-162.86
26.02	-162.85
26.16	-162.85
26.31	-162.85
26.45	-162.84
26.6	-162.84
26.75	-162.84
26.89	-162.83
27.04	-162.83

ELEVATION (depuis un point fixe sur la Terre) EN FONCTION DE L'AFFAIBLISSEMENT GEOMETRIQUE
 ELEVATION (from fixed point on Earth) VERSUS SPREADING LOSS
 ELEVACIÓN (desde un punto fijo en la Tierra) EN FUNCIÓN DE LAS PÉRDIDAS POR DISPERSIÓN
 仰角（从地球上固定点）与扩展损失
 ЗАВИСИМОСТЬ УГЛА МЕСТА (из фиксированной точки на Земле) ОТ ПОТЕРЬ НА РАСХОДИМОСТЬ
 ()
 (IRNSS Satellite 55_55)

INSAT-NAV-NGSA

Faisceaux / Beams / Haces / 波束 / Луч / : S1T

Elévation / Elevation / Elevación / 仰角 / Угол места / زاوية الارتفاع	Affaiblissement géométrique / Spreading Loss / Pérdida por dispersión / 扩展损耗 / Потери на расходимость /
29.3	-162.79
29.45	-162.78
29.6	-162.78
29.74	-162.78
29.89	-162.77
30.04	-162.77
30.19	-162.77
30.34	-162.77
30.49	-162.76
30.64	-162.76
30.79	-162.76
30.94	-162.75
31.09	-162.75
31.24	-162.75
31.39	-162.74
31.55	-162.74
31.7	-162.74
31.85	-162.74
32	-162.73
32.15	-162.73
32.3	-162.73
32.45	-162.72
32.6	-162.72
32.75	-162.72
32.89	-162.72
33.04	-162.71
33.19	-162.71
33.33	-162.71
33.47	-162.7
33.61	-162.7
33.75	-162.7
33.89	-162.7
34.02	-162.69
34.15	-162.69
34.28	-162.69
34.41	-162.69

34.53	-162.68
34.65	-162.68
34.77	-162.68
34.88	-162.68
34.99	-162.68
35.1	-162.67
35.2	-162.67
35.3	-162.67
35.4	-162.67
35.49	-162.67
35.57	-162.66
35.65	-162.66
35.72	-162.66
35.79	-162.66
35.86	-162.66
35.92	-162.66
35.97	-162.66
36.01	-162.66
36.05	-162.66
36.09	-162.65
36.11	-162.65
36.13	-162.65
36.14	-162.65
36.15	-162.65
36.15	-162.65
36.14	-162.65
36.12	-162.65
36.1	-162.65
36.06	-162.66
36.02	-162.66
35.97	-162.66
35.92	-162.66
35.85	-162.66
35.78	-162.66
35.7	-162.66
35.61	-162.66
35.51	-162.67
35.4	-162.67
35.28	-162.67
35.16	-162.67
35.02	-162.67
34.88	-162.68
34.73	-162.68
34.57	-162.68
34.4	-162.69
34.22	-162.69
34.04	-162.69
33.84	-162.7
33.64	-162.7
33.43	-162.71

33.21	-162.71
32.98	-162.71
32.75	-162.72
32.51	-162.72
32.25	-162.73
32	-162.73
31.73	-162.74
31.45	-162.74
31.17	-162.75
30.89	-162.75
30.59	-162.76
30.29	-162.77
29.98	-162.77
29.66	-162.78
29.34	-162.79
29.02	-162.79
28.68	-162.8
28.34	-162.81
28	-162.81
27.65	-162.82
27.3	-162.83
26.94	-162.83
26.57	-162.84
26.21	-162.85
25.83	-162.86
25.46	-162.86
25.08	-162.87
24.7	-162.88
24.31	-162.89
23.92	-162.9
23.53	-162.9
23.13	-162.91
22.74	-162.92
22.34	-162.93
21.94	-162.94
21.53	-162.95
21.13	-162.96
20.73	-162.96
20.32	-162.97
19.91	-162.98
19.51	-162.99
19.1	-163
18.69	-163.01
18.28	-163.02
17.88	-163.03
17.47	-163.04
17.06	-163.04
16.66	-163.05
16.25	-163.06
15.85	-163.07

15.45	-163.08
15.05	-163.09
14.65	-163.1
14.26	-163.11
13.87	-163.12
13.48	-163.12
13.09	-163.13
12.71	-163.14
12.33	-163.15
11.95	-163.16
11.57	-163.17
11.2	-163.18
10.84	-163.18
10.47	-163.19
10.12	-163.2
9.76	-163.21
9.41	-163.22
9.07	-163.22
8.73	-163.23
8.39	-163.24
8.06	-163.25
7.74	-163.25
7.42	-163.26
7.1	-163.27
6.8	-163.28
6.49	-163.28
6.2	-163.29
5.91	-163.3
5.62	-163.3
5.35	-163.31
5.07	-163.32
4.81	-163.32
4.55	-163.33
4.3	-163.33
4.06	-163.34
3.82	-163.34
3.59	-163.35
3.36	-163.35
3.15	-163.36
2.94	-163.36
2.74	-163.37
2.54	-163.37
2.36	-163.38
2.18	-163.38
2	-163.39
1.84	-163.39
1.68	-163.39
1.53	-163.4
1.39	-163.4
1.26	-163.4

1.13	-163.41
1.02	-163.41
0.91	-163.41
0.8	-163.41
0.71	-163.42
0.62	-163.42
0.54	-163.42
0.47	-163.42
0.41	-163.42
0.36	-163.42
0.31	-163.43
0.27	-163.43
0.24	-163.43
0.21	-163.43
0.2	-163.43
0.19	-163.43
0.19	-163.43
0.19	-163.43
0.2	-163.43
0.23	-163.43
0.25	-163.43
0.29	-163.43
0.33	-163.42
0.38	-163.42
0.44	-163.42
0.5	-163.42
0.57	-163.42
0.65	-163.42
0.73	-163.42
0.82	-163.41
0.92	-163.41
1.02	-163.41
1.13	-163.41
1.24	-163.4
1.36	-163.4
1.49	-163.4
1.62	-163.39
1.76	-163.39
1.9	-163.39
2.05	-163.38
2.21	-163.38
2.36	-163.38
2.53	-163.37
2.7	-163.37
2.87	-163.37
3.05	-163.36
3.23	-163.36
3.41	-163.35
3.6	-163.35
3.8	-163.34

4	-163.34
4.2	-163.34
4.4	-163.33
4.61	-163.33
4.82	-163.32
5.03	-163.32
5.25	-163.31
5.47	-163.31
5.69	-163.3
5.92	-163.3
6.14	-163.29
6.37	-163.29
6.6	-163.28
6.83	-163.27
7.07	-163.27
7.3	-163.26
7.54	-163.26
7.78	-163.25
8.02	-163.25
8.26	-163.24
8.5	-163.24
8.74	-163.23
8.98	-163.23
9.22	-163.22
9.46	-163.21
9.71	-163.21
9.95	-163.2
10.19	-163.2
10.43	-163.19
10.68	-163.19
10.92	-163.18
11.16	-163.18
11.4	-163.17
11.64	-163.17
11.87	-163.16
12.11	-163.15
12.35	-163.15
12.58	-163.14
12.81	-163.14
13.05	-163.13
13.28	-163.13
13.51	-163.12
13.73	-163.12
13.96	-163.11
14.18	-163.11
14.4	-163.1
14.62	-163.1
14.84	-163.09
15.06	-163.09
15.27	-163.08

15.49	-163.08
15.7	-163.07
15.9	-163.07
16.11	-163.07
16.31	-163.06
16.51	-163.06
16.71	-163.05
16.91	-163.05
17.1	-163.04
17.3	-163.04
17.49	-163.04
17.67	-163.03
17.86	-163.03
18.04	-163.02
18.22	-163.02
18.4	-163.02
18.58	-163.01
18.75	-163.01
18.93	-163
19.1	-163
19.27	-163
19.43	-162.99
19.6	-162.99
19.76	-162.99
19.92	-162.98
20.08	-162.98
20.24	-162.98
20.39	-162.97
20.55	-162.97
20.7	-162.97
20.85	-162.96
21	-162.96
21.15	-162.96
21.29	-162.95
21.44	-162.95
21.58	-162.95
21.73	-162.94
21.87	-162.94
22.01	-162.94
22.15	-162.93
22.29	-162.93
22.43	-162.93
22.57	-162.93
22.71	-162.92
22.84	-162.92
22.98	-162.92
23.12	-162.91
23.26	-162.91
23.39	-162.91
23.53	-162.9

23.66	-162.9
23.8	-162.9
23.94	-162.9
24.07	-162.89
24.21	-162.89
24.35	-162.89
24.48	-162.88
24.62	-162.88
24.76	-162.88
24.9	-162.88
25.03	-162.87
25.17	-162.87
25.31	-162.87
25.45	-162.86
25.59	-162.86
25.74	-162.86
25.88	-162.86
26.02	-162.85
26.16	-162.85
26.31	-162.85
26.45	-162.84
26.6	-162.84
26.75	-162.84
26.89	-162.83
27.04	-162.83