

Moon's Lower Limb Corrections 0° ~ 45°

App. Alt. \ H.P.	54'.0	55'.0	56'.0	57'.0	58'.0	59'.0	60'.0	61'.0	62'.0
0°	34'.9	36'.2	37'.5	38'.7	40'.0	41'.3	42'.5	43'.8	45'.1
1°	44'.6	45'.9	47'.1	48'.4	49'.7	51'.0	52'.2	53'.5	54'.8
2°	50'.5	51'.8	53'.0	54'.3	55'.6	56'.9	58'.1	59'.4	60'.7
3°	54'.3	55'.6	56'.9	58'.1	59'.4	60'.7	61'.9	63'.2	64'.5
4°	56'.9	58'.1	59'.4	60'.7	62'.0	63'.2	64'.5	65'.8	67'.0
5°	58'.6	59'.9	61'.2	62'.4	63'.7	65'.0	66'.2	67'.5	68'.8
6°	60'.0	61'.2	62'.5	63'.8	65'.0	66'.3	67'.6	68'.8	70'.1
7°	60'.9	62'.2	63'.5	64'.7	66'.0	67'.3	68'.5	69'.8	71'.1
8°	61'.7	62'.9	64'.2	65'.5	66'.7	68'.0	69'.3	70'.5	71'.8
9°	62'.2	63'.5	64'.7	66'.0	67'.3	68'.5	69'.8	71'.1	72'.3
10°	62'.6	63'.9	65'.2	66'.4	67'.7	68'.9	70'.2	71'.4	72'.7
11°	62'.9	64'.2	65'.4	66'.7	68'.0	69'.2	70'.5	71'.7	73'.0
12°	63'.1	64'.4	65'.6	66'.9	68'.2	69'.4	70'.7	71'.9	73'.2
13°	63'.3	64'.5	65'.8	67'.0	68'.3	69'.5	70'.8	72'.0	73'.3
14°	63'.4	64'.6	65'.9	67'.1	68'.3	69'.6	70'.8	72'.1	73'.3
15°	63'.4	64'.6	65'.9	67'.1	68'.3	69'.6	70'.8	72'.1	73'.3
16°	63'.4	64'.6	65'.8	67'.1	68'.3	69'.5	70'.8	72'.0	73'.3
17°	63'.3	64'.5	65'.8	67'.0	68'.2	69'.5	70'.7	71'.9	73'.2
18°	63'.2	64'.4	65'.7	66'.9	68'.1	69'.3	70'.6	71'.8	73'.0
19°	63'.1	64'.3	65'.5	66'.7	68'.0	69'.2	70'.4	71'.6	72'.8
20°	62'.9	64'.1	65'.3	66'.6	67'.8	69'.0	70'.2	71'.4	72'.6
21°	62'.7	63'.9	65'.1	66'.3	67'.6	68'.8	70'.0	71'.2	72'.4
22°	62'.5	63'.7	64'.9	66'.1	67'.3	68'.5	69'.7	70'.9	72'.1
23°	62'.3	63'.5	64'.6	65'.8	67'.0	68'.2	69'.4	70'.6	71'.8
24°	62'.0	63'.2	64'.4	65'.6	66'.7	67'.9	69'.1	70'.3	71'.5
25°	61'.7	62'.9	64'.1	65'.2	66'.4	67'.6	68'.8	70'.0	71'.2
26°	61'.4	62'.6	63'.7	64'.9	66'.1	67'.3	68'.4	69'.6	70'.8
27°	61'.1	62'.2	63'.4	64'.6	65'.7	66'.9	68'.1	69'.2	70'.4
28°	60'.7	61'.9	63'.0	64'.2	65'.3	66'.5	67'.7	68'.8	70'.0
29°	60'.3	61'.5	62'.6	63'.8	64'.9	66'.1	67'.2	68'.4	69'.5
30°	59'.9	61'.1	62'.2	63'.4	64'.5	65'.6	66'.8	67'.9	69'.1
31°	59'.5	60'.7	61'.8	62'.9	64'.1	65'.2	66'.3	67'.5	68'.6
32°	59'.1	60'.2	61'.3	62'.5	63'.6	64'.7	65'.8	67'.0	68'.1
33°	58'.7	59'.8	60'.9	62'.0	63'.1	64'.2	65'.3	66'.5	67'.6
34°	58'.2	59'.3	60'.4	61'.5	62'.6	63'.7	64'.8	65'.9	67'.0
35°	57'.7	58'.8	59'.9	61'.0	62'.1	63'.2	64'.3	65'.4	66'.5
36°	57'.2	58'.3	59'.4	60'.5	61'.6	62'.7	63'.7	64'.8	65'.9
37°	56'.7	57'.8	58'.9	59'.9	61'.0	62'.1	63'.2	64'.2	65'.3
38°	56'.2	57'.2	58'.3	59'.4	60'.4	61'.5	62'.6	63'.6	64'.7
39°	55'.6	56'.7	57'.8	58'.8	59'.9	60'.9	62'.0	63'.0	64'.1
40°	55'.1	56'.1	57'.2	58'.2	59'.3	60'.3	61'.4	62'.4	63'.4
41°	54'.5	55'.5	56'.6	57'.6	58'.6	59'.7	60'.7	61'.8	62'.8
42°	53'.9	55'.0	56'.0	57'.0	58'.0	59'.0	60'.1	61'.1	62'.1
43°	53'.3	54'.3	55'.4	56'.4	57'.4	58'.4	59'.4	60'.4	61'.4
44°	52'.7	53'.7	54'.7	55'.7	56'.7	57'.7	58'.7	59'.7	60'.7
45°	52'.1	53'.1	54'.1	55'.1	56'.0	57'.0	58'.0	59'.0	60'.0

Moon's Lower Limb Corrections 45° ~ 90°

H.P. App. Alt.	54'.0	55'.0	56'.0	57'.0	58'.0	59'.0	60'.0	61'.0	62'.0
45°	52'.1	53'.1	54'.1	55'.1	56'.0	57'.0	58'.0	59'.0	60'.0
46°	51'.5	52'.4	53'.4	54'.4	55'.4	56'.3	57'.3	58'.3	59'.3
47°	50'.8	51'.8	52'.7	53'.7	54'.7	55'.6	56'.6	57'.5	58'.5
48°	50'.2	51'.1	52'.1	53'.0	53'.9	54'.9	55'.8	56'.8	57'.7
49°	49'.5	50'.4	51'.4	52'.3	53'.2	54'.2	55'.1	56'.0	57'.0
50°	48'.8	49'.7	50'.6	51'.6	52'.5	53'.4	54'.3	55'.3	56'.2
51°	48'.1	49'.0	49'.9	50'.8	51'.7	52'.6	53'.6	54'.5	55'.4
52°	47'.4	48'.3	49'.2	50'.1	51'.0	51'.9	52'.8	53'.7	54'.6
53°	46'.7	47'.6	48'.4	49'.3	50'.2	51'.1	52'.0	52'.8	53'.7
54°	45'.9	46'.8	47'.7	48'.5	49'.4	50'.3	51'.2	52'.0	52'.9
55°	45'.2	46'.1	46'.9	47'.8	48'.6	49'.5	50'.3	51'.2	52'.0
56°	44'.5	45'.3	46'.1	47'.0	47'.8	48'.7	49'.5	50'.3	51'.2
57°	43'.7	44'.5	45'.3	46'.2	47'.0	47'.8	48'.6	49'.5	50'.3
58°	42'.9	43'.7	44'.5	45'.4	46'.2	47'.0	47'.8	48'.6	49'.4
59°	42'.1	42'.9	43'.7	44'.5	45'.3	46'.1	46'.9	47'.7	48'.5
60°	41'.4	42'.1	42'.9	43'.7	44'.5	45'.3	46'.0	46'.8	47'.6
61°	40'.6	41'.3	42'.1	42'.9	43'.6	44'.4	45'.2	45'.9	46'.7
62°	39'.8	40'.5	41'.3	42'.0	42'.8	43'.5	44'.3	45'.0	45'.8
63°	38'.9	39'.7	40'.4	41'.2	41'.9	42'.6	43'.4	44'.1	44'.8
64°	38'.1	38'.8	39'.6	40'.3	41'.0	41'.7	42'.4	43'.2	43'.9
65°	37'.3	38'.0	38'.7	39'.4	40'.1	40'.8	41'.5	42'.2	42'.9
66°	36'.5	37'.2	37'.8	38'.5	39'.2	39'.9	40'.6	41'.3	42'.0
67°	35'.6	36'.3	37'.0	37'.6	38'.3	39'.0	39'.7	40'.3	41'.0
68°	34'.8	35'.4	36'.1	36'.7	37'.4	38'.0	38'.7	39'.4	40'.0
69°	33'.9	34'.6	35'.2	35'.8	36'.5	37'.1	37'.8	38'.4	39'.0
70°	33'.1	33'.7	34'.3	34'.9	35'.5	36'.2	36'.8	37'.4	38'.0
71°	32'.2	32'.8	33'.4	34'.0	34'.6	35'.2	35'.8	36'.4	37'.0
72°	31'.3	31'.9	32'.5	33'.1	33'.7	34'.3	34'.9	35'.4	36'.0
73°	30'.4	31'.0	31'.6	32'.2	32'.7	33'.3	33'.9	34'.4	35'.0
74°	29'.5	30'.1	30'.7	31'.2	31'.8	32'.3	32'.9	33'.4	34'.0
75°	28'.7	29'.2	29'.7	30'.3	30'.8	31'.4	31'.9	32'.4	33'.0
76°	27'.8	28'.3	28'.8	29'.3	29'.9	30'.4	30'.9	31'.4	32'.0
77°	26'.9	27'.4	27'.9	28'.4	28'.9	29'.4	29'.9	30'.4	30'.9
78°	26'.0	26'.5	26'.9	27'.4	27'.9	28'.4	28'.9	29'.4	29'.9
79°	25'.1	25'.5	26'.0	26'.5	26'.9	27'.4	27'.9	28'.4	28'.8
80°	24'.2	24'.6	25'.1	25'.5	26'.0	26'.4	26'.9	27'.3	27'.8
81°	23'.2	23'.7	24'.1	24'.6	25'.0	25'.4	25'.9	26'.3	26'.7
82°	22'.3	22'.7	23'.2	23'.6	24'.0	24'.4	24'.8	25'.3	25'.7
83°	21'.4	21'.8	22'.2	22'.6	23'.0	23'.4	23'.8	24'.2	24'.6
84°	20'.5	20'.9	21'.3	21'.6	22'.0	22'.4	22'.8	23'.2	23'.6
85°	19'.6	19'.9	20'.3	20'.7	21'.0	21'.4	21'.8	22'.1	22'.5
86°	18'.6	19'.0	19'.3	19'.7	20'.0	20'.4	20'.8	21'.1	21'.5
87°	17'.7	18'.1	18'.4	18'.7	19'.1	19'.4	19'.7	20'.1	20'.4
88°	16'.8	17'.1	17'.4	17'.7	18'.1	18'.4	18'.7	19'.0	19'.3
89°	15'.9	16'.2	16'.5	16'.8	17'.1	17'.4	17'.7	18'.0	18'.3
90°	14'.9	15'.2	15'.5	15'.8	16'.1	16'.4	16'.6	16'.9	17'.2

Moon's Upper Limb Corrections 0° ~ 45°

App. Alt. \ H.P.	54°.0	55°.0	56°.0	57°.0	58°.0	59°.0	60°.0	61°.0	62°.0
0°	05'.5	06'.2	06'.9	07'.7	08'.4	09'.1	09'.9	10'.6	11'.3
1°	15'.2	15'.9	16'.6	17'.4	18'.1	18'.8	19'.5	20'.3	21'.0
2°	21'.0	21'.8	22'.5	23'.2	24'.0	24'.7	25'.4	26'.1	26'.9
3°	24'.9	25'.6	26'.3	27'.0	27'.8	28'.5	29'.2	29'.9	30'.7
4°	27'.4	28'.1	28'.9	29'.6	30'.3	31'.0	31'.8	32'.5	33'.2
5°	29'.2	29'.9	30'.6	31'.3	32'.0	32'.8	33'.5	34'.2	34'.9
6°	30'.5	31'.2	31'.9	32'.7	33'.4	34'.1	34'.8	35'.5	36'.3
7°	31'.5	32'.2	32'.9	33'.6	34'.3	35'.1	35'.8	36'.5	37'.2
8°	32'.2	32'.9	33'.6	34'.3	35'.1	35'.8	36'.5	37'.2	37'.9
9°	32'.7	33'.4	34'.2	34'.9	35'.6	36'.3	37'.0	37'.7	38'.4
10°	33'.1	33'.8	34'.5	35'.3	36'.0	36'.7	37'.4	38'.1	38'.8
11°	33'.4	34'.1	34'.8	35'.5	36'.2	37'.0	37'.7	38'.4	39'.1
12°	33'.6	34'.3	35'.0	35'.7	36'.4	37'.1	37'.8	38'.6	39'.3
13°	33'.8	34'.5	35'.2	35'.9	36'.6	37'.3	38'.0	38'.7	39'.4
14°	33'.8	34'.5	35'.2	35'.9	36'.6	37'.3	38'.0	38'.7	39'.4
15°	33'.8	34'.5	35'.2	35'.9	36'.6	37'.3	38'.0	38'.7	39'.4
16°	33'.8	34'.5	35'.2	35'.9	36'.6	37'.2	37'.9	38'.6	39'.3
17°	33'.7	34'.4	35'.1	35'.8	36'.5	37'.1	37'.8	38'.5	39'.2
18°	33'.6	34'.3	35'.0	35'.7	36'.3	37'.0	37'.7	38'.4	39'.0
19°	33'.5	34'.2	34'.8	35'.5	36'.2	36'.8	37'.5	38'.2	38'.9
20°	33'.3	34'.0	34'.7	35'.3	36'.0	36'.6	37'.3	38'.0	38'.6
21°	33'.1	33'.8	34'.4	35'.1	35'.8	36'.4	37'.1	37'.7	38'.4
22°	32'.9	33'.6	34'.2	34'.9	35'.5	36'.2	36'.8	37'.5	38'.1
23°	32'.6	33'.3	33'.9	34'.6	35'.2	35'.9	36'.5	37'.2	37'.8
24°	32'.4	33'.0	33'.6	34'.3	34'.9	35'.6	36'.2	36'.8	37'.5
25°	32'.1	32'.7	33'.3	34'.0	34'.6	35'.2	35'.9	36'.5	37'.1
26°	31'.8	32'.4	33'.0	33'.6	34'.2	34'.9	35'.5	36'.1	36'.7
27°	31'.4	32'.0	32'.6	33'.3	33'.9	34'.5	35'.1	35'.7	36'.3
28°	31'.1	31'.7	32'.3	32'.9	33'.5	34'.1	34'.7	35'.3	35'.9
29°	30'.7	31'.3	31'.9	32'.5	33'.1	33'.7	34'.3	34'.9	35'.5
30°	30'.3	30'.9	31'.5	32'.0	32'.6	33'.2	33'.8	34'.4	35'.0
31°	29'.9	30'.4	31'.0	31'.6	32'.2	32'.8	33'.3	33'.9	34'.5
32°	29'.4	30'.0	30'.6	31'.1	31'.7	32'.3	32'.9	33'.4	34'.0
33°	29'.0	29'.5	30'.1	30'.7	31'.2	31'.8	32'.3	32'.9	33'.5
34°	28'.5	29'.1	29'.6	30'.2	30'.7	31'.3	31'.8	32'.4	32'.9
35°	28'.0	28'.6	29'.1	29'.6	30'.2	30'.7	31'.3	31'.8	32'.4
36°	27'.5	28'.0	28'.6	29'.1	29'.6	30'.2	30'.7	31'.2	31'.8
37°	27'.0	27'.5	28'.0	28'.6	29'.1	29'.6	30'.1	30'.6	31'.2
38°	26'.5	27'.0	27'.5	28'.0	28'.5	29'.0	29'.5	30'.0	30'.6
39°	25'.9	26'.4	26'.9	27'.4	27'.9	28'.4	28'.9	29'.4	29'.9
40°	25'.4	25'.9	26'.3	26'.8	27'.3	27'.8	28'.3	28'.8	29'.3
41°	24'.8	25'.3	25'.7	26'.2	26'.7	27'.2	27'.6	28'.1	28'.6
42°	24'.2	24'.7	25'.1	25'.6	26'.1	26'.5	27'.0	27'.5	27'.9
43°	23'.6	24'.0	24'.5	25'.0	25'.4	25'.9	26'.3	26'.8	27'.2
44°	23'.0	23'.4	23'.9	24'.3	24'.7	25'.2	25'.6	26'.1	26'.5
45°	22'.3	22'.8	23'.2	23'.6	24'.1	24'.5	24'.9	25'.3	25'.8

Moon's Upper Limb Corrections 45° ~ 90°

H.P. App. Alt.	54'.0	55'.0	56'.0	57'.0	58'.0	59'.0	60'.0	61'.0	62'.0
45°	22'.3	22'.8	23'.2	23'.6	24'.1	24'.5	24'.9	25'.3	25'.8
46°	21'.7	22'.1	22'.5	23'.0	23'.4	23'.8	24'.2	24'.6	25'.0
47°	21'.1	21'.5	21'.9	22'.3	22'.7	23'.1	23'.5	23'.9	24'.3
48°	20'.4	20'.8	21'.2	21'.6	21'.9	22'.3	22'.7	23'.1	23'.5
49°	19'.7	20'.1	20'.5	20'.8	21'.2	21'.6	22'.0	22'.3	22'.7
50°	19'.0	19'.4	19'.7	20'.1	20'.5	20'.8	21'.2	21'.6	21'.9
51°	18'.3	18'.7	19'.0	19'.4	19'.7	20'.1	20'.4	20'.8	21'.1
52°	17'.6	17'.9	18'.3	18'.6	18'.9	19'.3	19'.6	20'.0	20'.3
53°	16'.9	17'.2	17'.5	17'.8	18'.2	18'.5	18'.8	19'.1	19'.5
54°	16'.1	16'.5	16'.8	17'.1	17'.4	17'.7	18'.0	18'.3	18'.6
55°	15'.4	15'.7	16'.0	16'.3	16'.6	16'.9	17'.2	17'.5	17'.8
56°	14'.6	14'.9	15'.2	15'.5	15'.8	16'.0	16'.3	16'.6	16'.9
57°	13'.9	14'.1	14'.4	14'.7	14'.9	15'.2	15'.5	15'.7	16'.0
58°	13'.1	13'.4	13'.6	13'.9	14'.1	14'.4	14'.6	14'.9	15'.1
59°	12'.3	12'.6	12'.8	13'.0	13'.3	13'.5	13'.7	14'.0	14'.2
60°	11'.5	11'.8	12'.0	12'.2	12'.4	12'.6	12'.9	13'.1	13'.3
61°	10'.7	10'.9	11'.1	11'.3	11'.6	11'.8	12'.0	12'.2	12'.4
62°	09'.9	10'.1	10'.3	10'.5	10'.7	10'.9	11'.1	11'.2	11'.4
63°	09'.1	09'.3	09'.5	09'.6	09'.8	10'.0	10'.2	10'.3	10'.5
64°	08'.3	08'.4	08'.6	08'.8	08'.9	09'.1	09'.2	09'.4	09'.5
65°	07'.5	07'.6	07'.7	07'.9	08'.0	08'.2	08'.3	08'.4	08'.6
66°	06'.6	06'.7	06'.9	07'.0	07'.1	07'.2	07'.4	07'.5	07'.6
67°	05'.8	05'.9	06'.0	06'.1	06'.2	06'.3	06'.4	06'.5	06'.6
68°	04'.9	05'.0	05'.1	05'.2	05'.3	05'.4	05'.5	05'.6	05'.7
69°	04'.1	04'.1	04'.2	04'.3	04'.4	04'.4	04'.5	04'.6	04'.7
70°	03'.2	03'.3	03'.3	03'.4	03'.4	03'.5	03'.6	03'.6	03'.7
71°	02'.3	02'.4	02'.4	02'.5	02'.5	02'.5	02'.6	02'.6	02'.7
72°	01'.4	01'.5	01'.5	01'.5	01'.6	01'.6	01'.6	01'.6	01'.7
73°	00'.6	00'.6	00'.6	00'.6	00'.6	00'.6	00'.6	00'.6	00'.7
74°	-00'.3	-00'.3	-00'.3	-00'.3	-00'.3	-00'.4	-00'.4	-00'.4	-00'.4
75°	-01'.2	-01'.2	-01'.3	-01'.3	-01'.3	-01'.3	-01'.3	-01'.4	-01'.4
76°	-02'.1	-02'.2	-02'.2	-02'.2	-02'.3	-02'.3	-02'.3	-02'.4	-02'.4
77°	-03'.0	-03'.1	-03'.1	-03'.2	-03'.2	-03'.3	-03'.3	-03'.4	-03'.5
78°	-03'.9	-04'.0	-04'.1	-04'.1	-04'.2	-04'.3	-04'.4	-04'.4	-04'.5
79°	-04'.8	-04'.9	-05'.0	-05'.1	-05'.2	-05'.3	-05'.4	-05'.5	-05'.5
80°	-05'.7	-05'.8	-05'.9	-06'.1	-06'.2	-06'.3	-06'.4	-06'.5	-06'.6
81°	-06'.6	-06'.8	-06'.9	-07'.0	-07'.1	-07'.3	-07'.4	-07'.5	-07'.6
82°	-07'.6	-07'.7	-07'.8	-08'.0	-08'.1	-08'.3	-08'.4	-08'.6	-08'.7
83°	-08'.5	-08'.6	-08'.8	-09'.0	-09'.1	-09'.3	-09'.4	-09'.6	-09'.8
84°	-09'.4	-09'.6	-09'.8	-09'.9	-10'.1	-10'.3	-10'.5	-10'.6	-10'.8
85°	-10'.3	-10'.5	-10'.7	-10'.9	-11'.1	-11'.3	-11'.5	-11'.7	-11'.9
86°	-11'.2	-11'.5	-11'.7	-11'.9	-12'.1	-12'.3	-12'.5	-12'.7	-12'.9
87°	-12'.2	-12'.4	-12'.6	-12'.9	-13'.1	-13'.3	-13'.5	-13'.8	-14'.0
88°	-13'.1	-13'.3	-13'.6	-13'.8	-14'.1	-14'.3	-14'.6	-14'.8	-15'.1
89°	-14'.0	-14'.3	-14'.5	-14'.8	-15'.1	-15'.3	-15'.6	-15'.9	-16'.1
90°	-14'.9	-15'.2	-15'.5	-15'.8	-16'.1	-16'.4	-16'.6	-16'.9	-17'.2