

## Height of Eye

Meters	Dip	Feet
1.2	-2'.0	4' 0"
1.4	-2'.1	4' 5"
1.5	-2'.2	4' 11"
1.6	-2'.3	5' 4"
1.8	-2'.4	5' 10"
1.9	-2'.5	6' 4"
2.1	-2'.6	6' 11"
2.3	-2'.7	7' 5"
2.4	-2'.8	8' 0"
2.6	-2'.9	8' 7"
2.8	-3'.0	9' 2"
3.0	-3'.1	9' 10"
3.2	-3'.2	10' 6"
3.4	-3'.3	11' 2"
3.6	-3'.4	11' 10"
3.8	-3'.5	12' 7"
4.1	-3'.6	13' 4"
4.3	-3'.7	14' 1"
4.5	-3'.8	14' 11"
4.8	-3'.9	15' 8"
5.0	-4'.0	16' 6"
5.3	-4'.1	17' 4"
5.6	-4'.2	18' 3"
5.8	-4'.3	19' 1"
6.1		20' 0"

Meters	Dip	Feet
6.1	-4'.4	20' 0"
6.4	-4'.5	20' 11"
6.7	-4'.6	21' 11"
7.0	-4'.7	22' 11"
7.3	-4'.8	23' 10"
7.6	-4'.8	24' 11"
7.9	-4'.9	25' 11"
8.2	-5'.0	27' 0"
8.6	-5'.1	28' 1"
8.9	-5'.2	29' 2"
9.2	-5'.3	30' 3"
9.6	-5'.4	31' 5"
9.9	-5'.5	32' 7"
10.3	-5'.6	33' 9"
10.7	-5'.7	35' 0"
11.0	-5'.8	36' 2"
11.4	-5'.9	37' 5"
11.8	-6'.0	38' 9"
12.2	-6'.1	40' 0"
12.6	-6'.2	41' 4"
13.0	-6'.3	42' 8"
13.4	-6'.4	44' 0"
13.8	-6'.5	45' 5"
14.3	-6'.6	46' 9"
14.7	-6'.7	48' 2"

Meters	Dip	Feet
14.7	-6'.8	48' 2"
15.1	-6'.9	49' 8"
15.6	-7'.0	51' 1"
16.0	-7'.1	52' 7"
16.5	-7'.2	54' 1"
16.9	-7'.2	55' 7"
17.4	-7'.3	57' 2"
17.9	-7'.4	58' 9"
18.4	-7'.5	60' 4"
18.9	-7'.6	61' 11"
19.4	-7'.7	63' 7"
19.9	-7'.8	65' 2"
20.4	-7'.9	66' 10"
20.9	-8'.0	68' 7"
21.4	-8'.1	70' 3"
21.9	-8'.2	72' 0"
22.5	-8'.3	73' 9"
23.0	-8'.4	75' 6"
23.6	-8'.5	77' 4"
24.1	-8'.6	79' 2"
24.7	-8'.7	81' 0"
25.3	-8'.8	82' 10"
25.8	-8'.9	84' 9"
26.4	-9'.0	86' 8"
27.0	-9'.1	88' 7"

Meters	Dip	Feet
27.0	-9'.2	88' 7"
27.6	-9'.3	90' 6"
28.2	-9'.4	92' 6"
28.8	-9'.5	94' 6"
29.4	-9'.5	96' 6"
30.0	-9'.6	98' 6"
30.7	-9'.7	100' 7"
31.3	-9'.8	102' 8"
31.9	-9'.9	104' 9"
32.6	-10'.0	106' 10"
33.2	-10'.1	109' 0"
33.9	-10'.2	111' 2"
34.5	-10'.3	113' 4"
35.2	-10'.4	115' 6"
35.9	-10'.5	117' 9"
36.6	-10'.6	120' 0"
37.3	-10'.7	122' 3"
38.0	-10'.8	124' 7"
38.7	-10'.9	126' 10"
39.4	-11'.0	129' 2"
40.1	-11'.1	131' 6"
40.8	-11'.2	133' 11"
41.5	-11'.3	136' 3"
42.3	-11'.4	138' 8"
43.0	-11'.5	141' 2"

## Temperature and Pressure Factors for Refraction

	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C
970	1.07	1.05	1.03	1.01	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.88	0.87	0.85
980	1.09	1.06	1.04	1.02	1.01	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
990	1.10	1.08	1.05	1.04	1.02	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.87
1000	1.11	1.09	1.07	1.05	1.03	1.01	0.99	0.97	0.96	0.94	0.92	0.91	0.90	0.88
1010	1.12	1.10	1.08	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.89
1020	1.13	1.11	1.09	1.07	1.05	1.03	1.01	0.99	0.98	0.96	0.94	0.93	0.91	0.90
1030	1.14	1.12	1.10	1.08	1.06	1.04	1.02	1.00	0.98	0.97	0.95	0.94	0.92	0.91
1040	1.15	1.13	1.11	1.09	1.07	1.05	1.03	1.01	0.99	0.98	0.96	0.95	0.93	0.92

Corrected Refraction = Tabulated Refraction x Factor

## Moon's Semi-Diameter corrected for Augmentation

Alt	HP	53'	54'	55'	56'	57'	58'	59'	60'	61'	62'
10°		14'.48	14'.75	15'.03	15'.30	15'.58	15'.85	16'.12	16'.40	16'.67	16'.95
15°		14'.50	14'.77	15'.05	15'.32	15'.60	15'.87	16'.15	16'.42	16'.70	16'.97
20°		14'.52	14'.79	15'.07	15'.34	15'.62	15'.90	16'.17	16'.45	16'.72	17'.00
25°		14'.54	14'.81	15'.09	15'.36	15'.64	15'.92	16'.19	16'.47	16'.75	17'.02
30°		14'.55	14'.83	15'.11	15'.38	15'.66	15'.94	16'.21	16'.49	16'.77	17'.05
35°		14'.57	14'.85	15'.12	15'.40	15'.68	15'.96	16'.23	16'.51	16'.79	17'.07
40°		14'.58	14'.86	15'.14	15'.42	15'.70	15'.98	16'.25	16'.53	16'.81	17'.09
45°		14'.60	14'.88	15'.16	15'.43	15'.71	15'.99	16'.27	16'.55	16'.83	17'.11
50°		14'.61	14'.89	15'.17	15'.45	15'.73	16'.01	16'.29	16'.57	16'.85	17'.13
55°		14'.62	14'.90	15'.18	15'.46	15'.74	16'.02	16'.30	16'.58	16'.86	17'.14
60°		14'.63	14'.91	15'.19	15'.47	15'.75	16'.03	16'.32	16'.60	16'.88	17'.16
65°		14'.64	14'.92	15'.20	15'.48	15'.76	16'.05	16'.33	16'.61	16'.89	17'.17
70°		14'.65	14'.93	15'.21	15'.49	15'.77	16'.05	16'.34	16'.62	16'.90	17'.18
75°		14'.66	14'.94	15'.22	15'.50	15'.78	16'.06	16'.34	16'.62	16'.91	17'.19
80°		14'.66	14'.94	15'.22	15'.50	15'.79	16'.07	16'.35	16'.63	16'.91	17'.19
85°		14'.66	14'.94	15'.23	15'.51	15'.79	16'.07	16'.35	16'.63	16'.92	17'.20
90°		14'.66	14'.95	15'.23	15'.51	15'.79	16'.07	16'.35	16'.63	16'.92	17'.20

## Latitude Corr'n to Moon's HP

Lat.	Corr'n
30°	-0.05
40°	-0.08
50°	-0.11
60°	-0.15
70°	-0.17
80°	-0.19