

TABLE XVI—MOON'S PARALLAX IN ALTITUDE

This table, for use with bubble sextant observations, gives the correction to be added to an observed altitude of the Moon to allow for parallax. The correction for refraction, given in Table XVII on page 182, should be subtracted before this table is entered. The Moon's horizontal parallax is taken from the *Almanac* to the nearest minute of arc, and the appropriate column of this table selected. The left-hand member of each column represents the observed altitude after correction for refraction, and the right-hand member gives the correction for parallax.

*Example.*—An observer at a height of 10,000 feet observes the altitude of the Moon as 12° 33'. The Moon's horizontal parallax is 59'. What is the true altitude?

|                                   |         |
|-----------------------------------|---------|
| Observed altitude                 | 12° 33' |
| Refraction (Table H, page 182)    | -3      |
|                                   |         |
| Altitude corrected for refraction | 12 30   |
| Parallax correction               | +58     |
|                                   |         |
| True altitude                     | 13 28   |

Moon's Horizontal Parallax

| 54'   | 55'   | 56'   | 57'   | 58'   | 59'   | 60'   | 61'   |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 00  | 0 00  | 0 00  | 0 00  | 0 00  | 0 00  | 0 00  | 0 00  |
| 6 59  | 6 55  | 6 51  | 6 47  | 6 44  | 6 40  | 6 37  | 6 34  |
| 13 05 | 12 58 | 12 51 | 12 44 | 12 37 | 12 31 | 12 24 | 12 18 |
| 17 09 | 17 00 | 16 51 | 16 42 | 16 33 | 16 24 | 16 16 | 16 08 |
| 20 27 | 20 16 | 20 05 | 19 54 | 19 43 | 19 33 | 19 23 | 19 14 |
| 23 18 | 23 05 | 22 53 | 22 40 | 22 28 | 22 17 | 22 05 | 21 54 |
| 25 51 | 25 37 | 25 23 | 25 09 | 24 56 | 24 43 | 24 30 | 24 18 |
| 28 12 | 27 56 | 27 41 | 27 26 | 27 11 | 26 57 | 26 43 | 26 30 |
| 30 22 | 30 05 | 29 49 | 29 32 | 29 17 | 29 01 | 28 46 | 28 32 |
| 32 25 | 32 06 | 31 49 | 31 31 | 31 14 | 30 58 | 30 42 | 30 27 |
| 34 21 | 34 01 | 33 42 | 33 24 | 33 06 | 32 49 | 32 32 | 32 15 |
| 36 11 | 35 50 | 35 30 | 35 11 | 34 52 | 34 34 | 34 16 | 33 58 |
| 37 57 | 37 35 | 37 14 | 36 54 | 36 34 | 36 14 | 35 56 | 35 37 |
| 39 39 | 39 16 | 38 54 | 38 32 | 38 12 | 37 51 | 37 32 | 37 12 |
| 41 17 | 40 53 | 40 30 | 40 08 | 39 46 | 39 25 | 39 04 | 38 44 |
| 42 52 | 42 27 | 42 03 | 41 40 | 41 17 | 40 55 | 40 34 | 40 13 |
| 44 24 | 43 59 | 43 34 | 43 10 | 42 46 | 42 23 | 42 01 | 41 39 |
| 45 54 | 45 28 | 45 02 | 44 37 | 44 12 | 43 48 | 43 25 | 43 03 |
| 47 22 | 46 55 | 46 28 | 46 02 | 45 36 | 45 12 | 44 48 | 44 24 |
| 48 48 | 48 19 | 47 52 | 47 25 | 46 59 | 46 33 | 46 08 | 45 44 |
| 50 12 | 49 42 | 49 14 | 48 46 | 48 19 | 47 53 | 47 27 | 47 02 |
| 51 34 | 51 04 | 50 34 | 50 05 | 49 38 | 49 10 | 48 44 | 48 18 |
| 52 55 | 52 23 | 51 53 | 51 23 | 50 55 | 50 27 | 50 00 | 49 33 |

*In critical cases ascend.*