

# The Sun's Declination 2018

For celestial navigators, the "noon sight" reading of the Sun's height above the horizon, together with the Sun's Declination from this table, determines latitude.

| The Sun's Declination 2018 |                |                |                |                |                |                |                |                |                |                |                |                |    |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| MEAN NOON - 75° MERIDIAN   |                |                |                |                |                |                |                |                |                | (1700 G.M.T.)  |                |                |    |
|                            | JAN.           | FEB.           | MAR.           | APR.           | MAY            | JUN.           | JUL.           | AUG.           | SEPT.          | OCT.           | NOV.           | DEC.           |    |
|                            | South<br>o ' " | South<br>o ' " | South<br>o ' " | North<br>o ' " | North<br>o ' " | North<br>o ' " | North<br>o ' " | North<br>o ' " | North<br>o ' " | South<br>o ' " | South<br>o ' " | South<br>o ' " |    |
| 1                          | -22 58         | -16 58         | -7 25          | +4 43          | +15 12         | +22 07         | +23 04         | +17 54         | +8 07          | -3 21          | -14 34         | -21 52         | 1  |
| 2                          | -22 52         | -16 41         | -7 02          | +5 06          | +15 30         | +22 14         | +22 60         | +17 39         | +7 45          | -3 45          | -14 53         | -22 01         | 2  |
| 3                          | -22 46         | -16 23         | -6 39          | +5 29          | +15 48         | +22 22         | +22 55         | +17 23         | +7 23          | -4 08          | -15 12         | -22 09         | 3  |
| 4                          | -22 40         | -16 05         | -6 16          | +5 51          | +16 05         | +22 29         | +22 50         | +17 07         | +7 01          | -4 31          | -15 30         | -22 17         | 4  |
| 5                          | -22 33         | -15 47         | -5 53          | +6 14          | +16 23         | +22 35         | +22 44         | +16 51         | +6 39          | -4 54          | -15 48         | -22 25         | 5  |
| 6                          | -22 26         | -15 29         | -5 30          | +6 37          | +16 39         | +22 42         | +22 38         | +16 34         | +6 16          | -5 17          | -16 06         | -22 32         | 6  |
| 7                          | -22 19         | -15 10         | -5 06          | +6 59          | +16 56         | +22 47         | +22 32         | +16 18         | +5 54          | -5 40          | -16 24         | -22 39         | 7  |
| 8                          | -22 11         | -14 51         | -4 43          | +7 22          | +17 12         | +22 53         | +22 25         | +16 01         | +5 31          | -6 03          | -16 41         | -22 45         | 8  |
| 9                          | -22 02         | -14 32         | -4 20          | +7 44          | +17 28         | +22 58         | +22 18         | +15 43         | +5 09          | -6 26          | -16 59         | -22 51         | 9  |
| 10                         | -21 53         | -14 12         | -3 56          | +8 06          | +17 44         | +23 02         | +22 10         | +15 26         | +4 46          | -6 48          | -17 16         | -22 57         | 10 |
| 11                         | -21 44         | -13 53         | -3 33          | +8 28          | +17 59         | +23 07         | +22 02         | +15 08         | +4 23          | -7 11          | -17 32         | -23 02         | 11 |
| 12                         | -21 34         | -13 33         | -3 09          | +8 50          | +18 15         | +23 10         | +21 54         | +14 50         | +4 00          | -7 34          | -17 48         | -23 06         | 12 |
| 13                         | -21 24         | -13 12         | -2 45          | +9 12          | +18 29         | +23 14         | +21 45         | +14 32         | +3 37          | -7 56          | -18 04         | -23 10         | 13 |
| 14                         | -21 13         | -12 52         | -2 22          | +9 34          | +18 44         | +23 17         | +21 36         | +14 13         | +3 14          | -8 18          | -18 20         | -23 14         | 14 |
| 15                         | -21 02         | -12 31         | -1 58          | +9 55          | +18 58         | +23 19         | +21 27         | +13 54         | +2 51          | -8 41          | -18 35         | -23 17         | 15 |
| 16                         | -20 51         | -12 11         | -1 34          | +10 17         | +19 12         | +23 22         | +21 17         | +13 36         | +2 28          | -9 03          | -18 50         | -23 20         | 16 |
| 17                         | -20 39         | -11 50         | -1 10          | +10 38         | +19 25         | +23 23         | +21 07         | +13 16         | +2 05          | -9 25          | -19 05         | -23 22         | 17 |
| 18                         | -20 27         | -11 28         | -0 47          | +10 59         | +19 39         | +23 25         | +20 56         | +12 57         | +1 42          | -9 46          | -19 19         | -23 24         | 18 |
| 19                         | -20 14         | -11 07         | -0 23          | +11 19         | +19 52         | +23 26         | +20 46         | +12 37         | +1 19          | -10 08         | -19 33         | -23 25         | 19 |
| 20                         | -20 01         | -10 46         | +0 01          | +11 40         | +20 04         | +23 26         | +20 34         | +12 18         | +0 55          | -10 30         | -19 47         | -23 26         | 20 |
| 21                         | -19 48         | -10 24         | +0 24          | +12 00         | +20 16         | +23 26         | +20 23         | +11 58         | +0 32          | -10 51         | -20 00         | -23 26         | 21 |
| 22                         | -19 34         | -10 02         | +0 48          | +12 21         | +20 28         | +23 26         | +20 11         | +11 38         | +0 09          | -11 12         | -20 13         | -23 26         | 22 |
| 23                         | -19 20         | -9 40          | +1 12          | +12 41         | +20 40         | +23 25         | +19 59         | +11 17         | -0 15          | -11 33         | -20 26         | -23 25         | 23 |
| 24                         | -19 06         | -9 18          | +1 35          | +13 00         | +20 51         | +23 24         | +19 46         | +10 57         | -0 38          | -11 54         | -20 38         | -23 24         | 24 |
| 25                         | -18 51         | -8 56          | +1 59          | +13 20         | +21 02         | +23 22         | +19 33         | +10 36         | -1 01          | -12 15         | -20 50         | -23 23         | 25 |
| 26                         | -18 36         | -8 33          | +2 23          | +13 39         | +21 12         | +23 20         | +19 20         | +10 15         | -1 25          | -12 35         | -21 01         | -23 21         | 26 |
| 27                         | -18 20         | -8 11          | +2 46          | +13 58         | +21 22         | +23 18         | +19 06         | +9 54          | -1 48          | -12 55         | -21 12         | -23 18         | 27 |
| 28                         | -18 05         | -7 48          | +3 09          | +14 17         | +21 32         | +23 15         | +18 52         | +9 33          | -2 11          | -13 16         | -21 22         | -23 15         | 28 |
| 29                         | -17 48         |                | +3 33          | +14 36         | +21 41         | +23 12         | +18 38         | +9 12          | -2 35          | -13 35         | -21 33         | -23 12         | 29 |
| 30                         | -17 32         |                | +3 56          | +14 54         | +21 50         | +23 08         | +18 24         | +8 50          | -2 58          | -13 55         | -21 42         | -23 08         | 30 |
| 31                         | -17 15         |                | +4 19          |                | +21 58         |                | +18 09         | +8 29          |                | -14 15         |                | -23 04         | 31 |

Vernal Equinox: March 20<sup>th</sup>, 11:15 a.m. E.S.T.  
 Summer Solstice: June 21<sup>st</sup>, 5:07 a.m. E.S.T.

Autumnal Equinox: September 22<sup>nd</sup>, 8:54 p.m. E.S.T.  
 Winter Solstice: December 21<sup>st</sup>, 5:22 p.m. E.S.T.

To find Sun's Declination in the Atlantic Time Zone (1 hour earlier than E.S.T.), take 1/24 of the difference between Day 1 and Day 2. Add or subtract this figure from Day 2 to find the Declination for Day 2.

If Declination is increasing (N. or S.), *subtract*.

If Declination is decreasing (N. or S.), *add*.