

# Nautical Almanac Data

Created by [Frank Reed](#), Clockwork Mapping / [ReedNavigation.com](#). First version live: May 2004.

Body:  Date:

[DETAILS +](#)

Field is too narrow

## Data for September 11, 2020

Date and Times are GMT.

|   | 0:00                      | 3:00                      | 6:00                      | 9:00                      | 12:00                     | 15:00                     | 18:00                     | 21:00                     | 24:00                     |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <i>Moon's HP</i>                            | 55.75'                    | 55.85'                    | 55.94'                    | 56.04'                    | 56.13'                    | 56.24'                    | 56.34'                    | 56.45'                    | 56.55'                    |
| <i>GHA Aries</i>                            | 350° 28.3'                | 35° 35.7'                 | 80° 43.1'                 | 125° 50.5'                | 170° 57.9'                | 216° 05.3'                | 261° 12.6'                | 306° 20.0'                | 351° 27.4'                |
| <b>Greenwich Hour Angle and Declination</b> |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| <i>Moon</i>                                 | 265° 13.9'<br>N 23° 24.4' | 308° 39.6'<br>N 23° 35.2' | 352° 04.6'<br>N 23° 44.9' | 35° 29.1'<br>N 23° 53.5'  | 78° 52.9'<br>N 24° 01.0'  | 122° 16.2'<br>N 24° 07.4' | 165° 39.0'<br>N 24° 12.6' | 209° 01.2'<br>N 24° 16.6' | 252° 22.9'<br>N 24° 19.4' |
| <i>Sun</i>                                  | 180° 50.6'<br>N 4° 27.8'  | 225° 51.3'<br>N 4° 24.9'  | 270° 51.9'<br>N 4° 22.1'  | 315° 52.6'<br>N 4° 19.2'  | 0° 53.3'<br>N 4° 16.3'    | 45° 53.9'<br>N 4° 13.5'   | 90° 54.6'<br>N 4° 10.6'   | 135° 55.3'<br>N 4° 07.8'  | 180° 55.9'<br>N 4° 04.9'  |
| <i>Venus</i>                                | 223° 16.1'<br>N 17° 52.3' | 268° 14.9'<br>N 17° 50.9' | 313° 13.7'<br>N 17° 49.4' | 358° 12.5'<br>N 17° 48.0' | 43° 11.3'<br>N 17° 46.5'  | 88° 10.1'<br>N 17° 45.0'  | 133° 08.9'<br>N 17° 43.5' | 178° 07.7'<br>N 17° 42.1' | 223° 06.5'<br>N 17° 40.6' |
| <i>Mars</i>                                 | 322° 49.2'<br>N 6° 51.5'  | 7° 56.8'<br>N 6° 51.5'    | 53° 04.3'<br>N 6° 51.5'   | 98° 11.9'<br>N 6° 51.5'   | 143° 19.5'<br>N 6° 51.5'  | 188° 27.1'<br>N 6° 51.5'  | 233° 34.7'<br>N 6° 51.5'  | 278° 42.3'<br>N 6° 51.5'  | 323° 49.9'<br>N 6° 51.5'  |
| <i>Jupiter</i>                              | 61° 32.5'<br>S 22° 43.1'  | 106° 39.9'<br>S 22° 43.1' | 151° 47.3'<br>S 22° 43.1' | 196° 54.8'<br>S 22° 43.1' | 242° 02.2'<br>S 22° 43.2' | 287° 09.6'<br>S 22° 43.2' | 332° 17.0'<br>S 22° 43.2' | 17° 24.5'<br>S 22° 43.2'  | 62° 31.9'<br>S 22° 43.2'  |
| <i>Saturn</i>                               | 52° 49.9'<br>S 21° 18.6'  | 97° 57.5'<br>S 21° 18.6'  | 143° 05.2'<br>S 21° 18.7' | 188° 12.8'<br>S 21° 18.7' | 233° 20.4'<br>S 21° 18.8' | 278° 28.0'<br>S 21° 18.8' | 323° 35.6'<br>S 21° 18.9' | 8° 43.2'<br>S 21° 18.9'   | 53° 50.8'<br>S 21° 19.0'  |

Sun SD: 15.90' Venus HP: 0.15' Mars HP: 0.32'