

JANUARY 1972

Table for January 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

Table for January 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

FEBRUARY 1972

Table for February 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

Table for February 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

MARCH 1972

Table for March 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

Table for March 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

APRIL 1972

Table for April 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

Table for April 1972 showing Ephemeris Data (Day, Time, Longitude at Noon) and Declination at Noon. Includes columns for Day, Ephemeris Data (h, m, s), Longitude at Noon (various degrees), and Declination at Noon (various degrees).

MAY 1972

| DAY | EPIHEMERIS SIDEREAL TIME | | | | | | | | | | | | | | |
|-------------------|--------------------------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|---------|---|---|---|
| | h m s | | | ° ' " | | | ♈ | | | ♉ | | | ♊ | | |
| | h | m | s | ° | ' | " | ♈ | ' | " | ♉ | ' | " | ♊ | ' | " |
| LONGITUDE at NOON | | | | | | | | | | | | | | | |
| 1 M | 2 38 2.8 | 11 12.5 | 0-11.9 | 13 40.6 | 14 31.9 | 24 20.0 | 22 54.5 | 8 15.4 | 6 9.7 | 15-14.3 | 4 29.9 | 29 41.6 | | | |
| 2 T | 2 41 50.3 | 12 10.7 | 0 8.2 | 25 43.0 | 16 40.3 | 26 2.2 | 23 33.7 | 8 17.1 | 15 17.1 | 15 17.1 | 4 28.0 | 29 40.5 | | | |
| 3 W | 2 45 55.9 | 13 8.8 | 0 5.6 | 7 53.0 | 16 51.2 | 25 43.2 | 24 11.7 | 8 12.6 | 8 24.4 | 15 9.9 | 4 27.0 | 29 39.4 | | | |
| 4 T | 2 49 52.0 | 14 7.0 | 0 2.4 | 20 14.8 | 18 4.6 | 26 23.2 | 24 50.3 | 8 10.9 | 6 31.8 | 15 7.7 | 4 25.5 | 29 38.3 | | | |
| 5 F | 2 53 49.5 | 15 5.1 | 29 59.2 | 2-50.0 | 19 20.5 | 27 2.0 | 25 28.9 | 8 9.0 | 6 39.3 | 15 5.6 | 4 24.0 | 29 37.2 | | | |
| 6 S | 2 57 45.6 | 16 3.1 | 29 56.0 | 15 49.1 | 20 38.7 | 27 39.7 | 26 7.4 | 8 7.0 | 6 46.7 | 15 3.5 | 4 22.4 | 29 36.2 | | | |
| 7 S | 3 1 42.1 | 17 1.2 | 29 52.8 | 29 10.0 | 21 59.2 | 28 16.1 | 26 45.9 | 8 4.7 | 6 54.2 | 15 1.4 | 4 20.9 | 29 35.2 | | | |
| 8 M | 3 5 38.7 | 17 59.2 | 29 49.7 | 12 57.2 | 23 21.9 | 28 51.3 | 27 24.5 | 8 2.3 | 7 1.7 | 14 59.4 | 4 19.4 | 29 34.2 | | | |
| 9 T | 3 9 35.2 | 18 57.3 | 29 46.5 | 27 13.6 | 24 46.9 | 29 25.1 | 28 30.0 | 7 59.7 | 7 9.2 | 14 57.4 | 4 17.8 | 29 33.3 | | | |
| 10 W | 3 13 31.8 | 19 55.3 | 29 43.3 | 11 54.9 | 26 14.1 | 29 57.6 | 28 41.5 | 7 56.9 | 7 16.8 | 14 55.4 | 4 16.3 | 29 32.4 | | | |
| 11 T | 3 17 28.3 | 20 53.2 | 29 40.1 | 26 57.9 | 27 43.4 | 0 28.6 | 29 20.0 | 7 54.0 | 7 24.4 | 14 53.4 | 4 14.7 | 29 31.5 | | | |
| 12 F | 3 21 24.9 | 21 51.2 | 29 37.0 | 12 12.7 | 29 14.9 | 0 58.2 | 29 58.5 | 7 50.8 | 7 32.0 | 14 51.5 | 4 13.1 | 29 30.6 | | | |
| 13 S | 3 25 21.5 | 22 49.1 | 29 33.8 | 27 29.3 | 0 48.5 | 1 26.3 | 0 59.9 | 7 47.5 | 7 39.6 | 14 49.7 | 4 11.5 | 29 29.8 | | | |
| 14 S | 3 29 18.0 | 23 47.0 | 29 30.6 | 12 36.4 | 2 24.2 | 1 52.8 | 1 15.4 | 7 44.0 | 7 47.3 | 14 47.8 | 4 10.0 | 29 29.0 | | | |
| 15 M | 3 33 14.6 | 24 44.9 | 29 27.4 | 27 24.3 | 4 2.1 | 2 17.6 | 1 53.8 | 7 40.4 | 8 2.6 | 14 46.0 | 4 8.4 | 29 28.2 | | | |
| 16 T | 3 37 11.1 | 25 42.8 | 29 24.3 | 11 56.8 | 5 42.0 | 2 40.7 | 2 32.3 | 7 36.6 | 8 10.3 | 14 44.3 | 4 6.8 | 29 27.5 | | | |
| 17 W | 3 41 7.7 | 26 40.6 | 29 21.1 | 25 40.6 | 7 24.1 | 3 2.1 | 3 10.7 | 7 32.8 | 8 18.0 | 14 42.8 | 4 5.2 | 29 26.8 | | | |
| 18 T | 3 45 4.2 | 27 38.4 | 29 17.9 | 9 6.2 | 9 8.2 | 3 21.6 | 3 49.7 | 7 28.4 | 8 25.8 | 14 41.0 | 4 3.6 | 29 26.1 | | | |
| 19 F | 3 49 0.8 | 28 36.1 | 29 14.7 | 22 43.7 | 10 54.4 | 3 39.2 | 4 27.5 | 7 24.1 | 8 33.5 | 14 39.3 | 4 2.0 | 29 25.4 | | | |
| 20 S | 3 52 57.4 | 29 33.9 | 29 11.5 | 4 53.9 | 12 42.7 | 3 54.8 | 5 5.9 | 7 19.6 | 8 41.2 | 14 36.2 | 3 58.7 | 29 24.2 | | | |
| 21 S | 3 56 53.9 | 0 31.6 | 29 8.4 | 17 40.0 | 14 33.2 | 4 8.4 | 5 44.2 | 7 14.9 | 8 49.0 | 14 34.7 | 3 57.1 | 29 23.6 | | | |
| 22 M | 4 0 50.5 | 1 29.2 | 29 5.2 | 29 11.4 | 16 25.7 | 4 20.0 | 6 22.6 | 7 10.1 | 8 56.7 | 14 33.2 | 3 55.5 | 29 23.1 | | | |
| 23 T | 4 4 47.0 | 2 26.9 | 29 2.0 | 11 10.1 | 18 20.2 | 4 29.4 | 7 0.9 | 7 5.2 | 9 4.5 | 14 31.8 | 3 53.9 | 29 22.6 | | | |
| 24 W | 4 8 43.3 | 3 24.5 | 28 58.3 | 23 3.9 | 20 16.8 | 4 36.5 | 7 39.2 | 7 0.1 | 9 12.3 | 14 30.4 | 3 52.2 | 29 22.1 | | | |
| 25 T | 4 12 40.0 | 4 22.1 | 28 55.7 | 4 55.8 | 22 15.4 | 4 41.5 | 8 17.5 | 6 54.9 | 9 20.1 | 14 29.1 | 3 50.6 | 29 21.6 | | | |
| 26 F | 4 16 36.7 | 5 19.8 | 28 52.5 | 16 48.4 | 24 16.0 | 4 44.1 | 8 55.8 | 6 49.5 | 9 27.9 | 14 27.8 | 3 49.0 | 29 21.2 | | | |
| 27 S | 4 20 33.3 | 6 17.3 | 28 49.3 | 28 43.4 | 26 18.4 | 4 44.4 | 9 34.0 | 6 44.0 | | | | | | | |
| 28 S | 4 24 29.8 | 7 14.8 | 28 46.1 | 10 42.6 | 28 22.6 | 4 42.4 | 10 12.3 | 6 38.3 | 9 35.6 | 14 26.6 | 3 47.4 | 29 20.8 | | | |
| 29 M | 4 28 26.4 | 8 12.3 | 28 43.0 | 22 35.9 | 0 28.4 | 4 37.9 | 10 50.5 | 6 32.5 | 9 43.4 | 14 25.4 | 3 45.7 | 29 20.5 | | | |
| 30 T | 4 32 23.0 | 9 9.8 | 28 39.8 | 4 59.1 | 2 35.8 | 4 31.0 | 11 28.6 | 6 26.1 | 9 51.4 | 14 24.2 | 3 44.1 | 29 20.1 | | | |
| 31 W | 4 36 19.5 | 10 7.3 | 28 36.6 | 17 19.9 | 4 44.5 | 4 21.8 | 12 7.0 | 6 20.6 | 9 59.0 | 14 23.1 | 3 42.5 | 29 19.9 | | | |

| DAY | EPIHEMERIS SIDEREAL TIME | | | | | | | | | | | | | | |
|---------------------|--------------------------|----------|---------|----------|---------|----------|----------|----------|----------|---------|----------|----------|---|---|---|
| | h m s | | | ° ' " | | | ♈ | | | ♉ | | | ♊ | | |
| | h | m | s | ° | ' | " | ♈ | ' | " | ♉ | ' | " | ♊ | ' | " |
| DECLINATION at NOON | | | | | | | | | | | | | | | |
| 1 M | 2 38 2.8 | 15N 11.7 | 20S 6.7 | 25S 60.0 | 3N 1.5 | 27N 31.6 | 24N 23.7 | 22S 54.0 | 19N 46.5 | 5S 22.1 | 19S 22.9 | 15N 22.3 | | | |
| 4 T | 2 49 52.5 | 16 4.7 | 20 8.8 | 22 40.4 | 4 19.4 | 27 36.4 | 24 29.6 | 22 54.5 | 19 50.6 | 5 19.8 | 19 22.0 | 15 22.7 | | | |
| 7 S | 3 1 42.1 | 16 55.3 | 20 10.8 | 9 22.4 | 5 49.1 | 27 37.0 | 24 36.7 | 22 55.2 | 19 54.7 | 5 17.4 | 19 21.1 | 15 23.0 | | | |
| 10 W | 3 13 31.8 | 17 43.4 | 20 12.8 | 9N 9.2 | 7 28.9 | 27 33.7 | 24 33.1 | 22 55.9 | 19 58.8 | 5 15.2 | 19 20.2 | 15 23.1 | | | |
| 13 S | 3 25 21.5 | 18 28.8 | 20 14.8 | 23 53.4 | 9 17.3 | 27 28.6 | 24 36.8 | 22 56.7 | 20 2.8 | 5 13.1 | 19 19.3 | 15 23.1 | | | |
| 16 T | 3 37 11.1 | 19 14.5 | 20 16.8 | 24 20.0 | 11 12.6 | 27 16.0 | 24 35.8 | 22 57.6 | 20 6.8 | 5 11.1 | 19 18.5 | 15 22.9 | | | |
| 19 F | 3 49 0.8 | 19 51.1 | 20 18.8 | 24 20.0 | 13 12.8 | 27 2.1 | 24 33.0 | 22 58.5 | 20 10.7 | 5 9.0 | 19 17.5 | 15 22.5 | | | |
| 22 M | 4 0 50.5 | 20 27.8 | 20 20.7 | 3S 46.7 | 15 15.4 | 26 44.8 | 24 28.5 | 22 59.6 | 20 14.5 | 5 7.5 | 19 16.6 | 15 22.1 | | | |
| 25 T | 4 12 40.0 | 21 1.2 | 20 22.7 | 17 54.7 | 17 17.6 | 26 24.4 | 24 23.3 | 23 0.7 | 20 18.3 | 5 6.0 | 19 15.8 | 15 21.5 | | | |
| 28 S | 4 24 29.8 | 21 31.4 | 20 24.6 | 25 42.8 | 19 15.4 | 26 0.7 | 24 15.5 | 23 1.9 | 20 22.0 | 5 4.6 | 19 14.9 | 15 20.9 | | | |
| 31 W | 4 36 19.5 | 21 58.3 | 20 26.6 | 23 9.6 | 21 3.8 | 25 33.6 | 24 5.0 | 23 3.1 | 20 25.6 | 5 3.3 | 19 14.0 | 15 20.8 | | | |

JUNE 1972

| DAY | EPIHEMERIS SIDEREAL TIME | | | | | | | | | | | | | | |
|-------------------|--------------------------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|---------|---|---|---|
| | h m s | | | ° ' " | | | ♈ | | | ♉ | | | ♊ | | |
| | h | m | s | ° | ' | " | ♈ | ' | " | ♉ | ' | " | ♊ | ' | " |
| LONGITUDE at NOON | | | | | | | | | | | | | | | |
| 1 T | 4 40 16.0 | 11 4.8 | 28 33.4 | 29 51.7 | 6 54.4 | 10 45.0 | 12 54.2 | 6 14.4 | 10 6.8 | 14-22.1 | 3 40.9 | 29 19.6 | | | |
| 2 F | 4 44 12.6 | 12 2.3 | 28 30.2 | 12 37.2 | 9 5.2 | 3 55.9 | 13 23.6 | 6 8.1 | 10 14.6 | 14 21.0 | 3 39.3 | 29 19.4 | | | |
| 3 S | 4 48 9.2 | 12 59.7 | 28 27.1 | 25 39.3 | 11 16.7 | 3 39.5 | 14 1.6 | 6 1.7 | 10 22.4 | 14 20.1 | 3 37.7 | 29 19.2 | | | |
| 4 S | 4 52 5.7 | 13 57.2 | 28 23.9 | 9 0.6 | 13 28.7 | 3 20.7 | 14 39.8 | 5 55.2 | 10 30.2 | 14 18.2 | 3 36.1 | 29 19.0 | | | |
| 5 M | 4 56 2.3 | 14 54.6 | 28 20.7 | 22 43.5 | 15 40.8 | 2 58.6 | 15 18.0 | 5 48.6 | 10 38.0 | 14 16.3 | 3 34.5 | 29 18.9 | | | |
| 6 T | 4 59 58.8 | 15 52.1 | 28 17.5 | 6 19.1 | 17 52.9 | 2 36.4 | 15 56.2 | 5 41.9 | 10 45.8 | 14 14.6 | 3 33.0 | 29 18.8 | | | |
| 7 W | 5 3 55.4 | 16 49.5 | 28 14.4 | 21 46.1 | 20 4.5 | 2 11.1 | 16 34.3 | 5 35.1 | 10 53.6 | 14 12.8 | 3 31.4 | 29 18.7 | | | |
| 8 T | 5 7 52.0 | 17 46.9 | 28 11.2 | 6 13.1 | 22 15.5 | 1 43.7 | 17 12.5 | 5 28.2 | 11 1.4 | 14 16.1 | 3 29.8 | 29 18.7 | | | |
| 9 F | 5 11 48.5 | 18 44.3 | 28 8.0 | 20 58.6 | 24 25.6 | 1 14.8 | 17 50.6 | 5 21.2 | 11 9.1 | 14 15.4 | 3 28.3 | 29 18.7 | | | |
| 10 S | 5 15 45.1 | 19 41.6 | 28 4.8 | 5 59.8 | 26 34.6 | 0 43.7 | 18 28.8 | 5 14.2 | 11 16.9 | 14 14.8 | 3 26.7 | 29 18.7 | | | |
| 11 S | 5 19 41.6 | 20 39.0 | 28 1.7 | 20 55.7 | 28 42.2 | 0 11.3 | 19 6.9 | 5 7.0 | 11 24.6 | 14 14.3 | 3 25.2 | 29 18.7 | | | |
| 12 M | 5 23 38.2 | 21 36.4 | 27 58.5 | 5 59.7 | 0 58.3 | 29 37.5 | 19 45.0 | 4 59.8 | 11 32.3 | 14 13.8 | 3 23.7 | 29 18.9 | | | |
| 13 T | 5 27 34.7 | 22 33.7 | 27 55.3 | 19 58.9 | 2 52.7 | 29 2.5 | 20 23.1 | 4 52.5 | 11 40.1 | 14 13.3 | 3 22.2 | 29 19.0 | | | |
| 14 W | 5 31 31.3 | 23 31.0 | 27 52.1 | 12 58.3 | 4 55.3 | 28 25.6 | 21 3.0 | 4 45.1 | 11 47.8 | 14 12.9 | 3 20.6 | 29 19.2 | | | |
| 15 T | 5 35 27.9 | 24 28.3 | 27 49.0 | 17 25.4 | 6 55.9 | 27 49.8 | 21 39.4 | 4 37.7 | 11 55.4 | 14 12.6 | 3 19.1 | 29 19.3 | | | |
| 16 F | 5 39 24.4 | 25 25.6 | 27 45.8 | 0 30.2 | 8 54.4 | 27 12.5 | 22 17.4 | 4 30.3 | 12 3.1 | 14 12.3 | 3 17.7 | 29 19.6 | | | |
| 17 S | 5 43 21.0 | 26 22.9 | 27 42.6 | 13 12.3 | 10 50.8 | 26 35.0 | 22 55.5 | 4 22.8 | 12 10.8 | 14 12.0 | 3 16.2 | 29 19.8 | | | |
| 18 S | 5 47 17.5 | 27 20.2 | 27 39.4 | 25 35.7 | 12 45.1 | 25 57.4 | 23 33.6 | 4 15.2 | 12 18.4 | 14 11.8 | 3 14.7 | 29 20.1 | | | |
| 19 M | 5 51 14.1 | 28 17.5 | 27 36.3 | 7 44.6 | 14 37.1 | 25 20.0 | 24 11.7 | 4 7.6 | 12 26.0 | 14 11.7 | 3 13.3 | 29 20.4 | | | |
| 20 T | 5 55 10.7 | 29 14.7 | 27 33.1 | 19 43.7 | 16 26.9 | 24 43.0 | 24 49.7 | 4 0.0 | 12 33.6 | 14 11.6 | 3 11.9 | 29 20.8 | | | |
| 21 W | 5 59 7.2 | 0 11.9 | 27 29.9 | 1 37.3 | 18 14.4 | 24 6.7 | 25 27.8 | 3 52.4 | 12 41.2 | 14 11.6 | 3 10.5 | 29 21.2 | | | |
| 22 T | 6 3 3.8 | 1 9.2 | 27 26.7 | 13 29.4 | 19 59.6 | 23 31.3 | 26 5.8 | 3 44.7 | 12 48.7 | 14 11.6 | 3 9.1 | 29 21.6 | | | |
| 23 F | 6 7 0.3 | 2 8.4 | 27 23.5 | 25 23.2 | 21 42.5 | 22 57.0 | 26 43.8 | 3 37.1 | 12 56.3 | 14 11.6 | 3 7.7 | 29 22.1 | | | |
| 24 S | 6 10 56.9 | 3 3.6 | 27 20.4 | 7 22.7 | 23 23.1 | 22 24.0 | 27 21.9 | 3 29.4 | 13 3.8 | 14 11.6 | 3 6.3 | 29 22.5 | | | |
| 25 S | 6 14 53.4 | 4 0.8 | 27 17.2 | 19 28.9 | 25 1.4 | 21 52.5 | 27 59.9 | 3 21.7 | 13 11.2 | 14 11.9 | 3 5.0 | 29 23.1 | | | |
| 26 M | 6 18 50.0 | 4 58.0 | 27 14.0 | 1 44.2 | 26 37.4 | 21 22.7 | 28 37.9 | 3 14.0 | 13 18.7 | 14 12.2 | 3 3.7 | 29 23.6 | | | |
| 27 T | 6 22 46.6 | 5 55.2 | 27 10.8 | 14 10.0 | 28 11.0 | 20 54.8 | 29 16.0 | 3 6.4 | 13 26.2 | 14 12.5 | 3 2.4 | 29 24.2 | | | |
| 28 W | 6 26 43.2 | 6 52.4 | 27 7.7 | 26 47.1 | 29 26.8 | 19 54.0 | 29 58.7 | 2 58.7 | 13 33.5 | 14 12.8 | 3 1.1 | 29 24.8 | | | |
| 29 T | 6 | | | | | | | | | | | | | | |

SEPTEMBER 1972

| DAY | EPIHEMERIS SIDEREAL TIME | | LONGITUDE at NOON | | | | | | | | | | | |
|------|--------------------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|---------------------|--------------------|---|
| | h | m | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
| 1 F | 10 42 | 59.3 | 9 ^m 8.2 | 23 ^h 41.2 | 21 ^m 46.0 | 23 ^h 10.1 | 23 ^m 24.4 | 11 ^m 6.8 | 28 ^h 34.1 | 19 ^m 43.6 | 16 ^h 17.6 | 2 ^m 34.8 | 1 ^m 2.3 | |
| 2 S | 10 46 | 55.8 | 10 6.3 | 23 38.0 | 21 48.3 | 24 24.5 | 11 45.1 | 28 35.6 | 19 46.8 | 16 20.8 | 2 35.4 | 1 4.5 | | |
| 3 S | 10 50 | 52.4 | 11 4.4 | 23 34.8 | 19 20.4 | 26 30.1 | 25 25.0 | 12 23.4 | 28 37.2 | 19 50.0 | 16 24.0 | 2 36.1 | 1 6.6 | |
| 4 W | 10 54 | 48.5 | 11 2.6 | 23 31.6 | 20 51.2 | 27 27.1 | 25 25.9 | 13 17.1 | 28 39.0 | 19 53.0 | 16 27.3 | 2 36.7 | 1 8.8 | |
| 5 T | 10 58 | 45.7 | 13 0.7 | 23 28.4 | 19 10.9 | 28 14.0 | 25 26.8 | 14 10.0 | 28 40.8 | 19 55.9 | 16 30.6 | 2 37.4 | 1 11.0 | |
| 6 W | 11 02 | 42.0 | 13 59.0 | 23 25.3 | 22 18.9 | 29 1.5 | 25 27.7 | 14 18.3 | 28 42.6 | 19 58.9 | 16 33.9 | 2 38.2 | 1 13.2 | |
| 7 T | 11 06 | 38.6 | 14 57.2 | 23 22.1 | 12 14.7 | 3 43.4 | 25 28.6 | 14 26.6 | 28 44.5 | 20 1.5 | 16 37.2 | 2 39.0 | 1 15.4 | |
| 8 F | 11 10 | 35.2 | 15 55.5 | 23 18.9 | 24 27.8 | 5 35.9 | 25 29.5 | 15 35.0 | 28 46.4 | 20 4.1 | 16 40.6 | 2 39.8 | 1 17.6 | |
| 9 S | 11 14 | 31.7 | 16 53.8 | 23 15.7 | 7 28.0 | 7 28.0 | 25 30.4 | 16 43.3 | 28 48.3 | 20 6.7 | 16 44.0 | 2 40.6 | 1 19.8 | |
| 10 S | 11 18 | 28.3 | 17 52.2 | 23 12.6 | 9 15.7 | 9 23.5 | 2 38.2 | 16 51.7 | 28 50.8 | 20 9.1 | 16 47.4 | 2 41.5 | 1 22.0 | |
| 11 M | 11 22 | 24.8 | 18 50.6 | 23 9.4 | 1 54.2 | 11 17.9 | 3 41.3 | 17 30.1 | 28 53.6 | 20 11.4 | 16 50.9 | 2 42.4 | 1 24.3 | |
| 12 T | 11 26 | 21.4 | 19 49.0 | 23 6.2 | 3 50.1 | 13 12.4 | 4 44.7 | 18 8.5 | 29 0.2 | 20 13.7 | 16 54.3 | 2 43.3 | 1 26.5 | |
| 13 W | 11 30 | 17.9 | 20 47.4 | 23 3.0 | 5 42.2 | 15 6.7 | 5 48.4 | 18 46.9 | 29 3.6 | 20 15.8 | 16 57.8 | 2 44.3 | 1 28.7 | |
| 14 T | 11 34 | 14.5 | 21 45.8 | 22 59.8 | 7 32.4 | 17 0.7 | 6 52.4 | 19 25.3 | 29 7.3 | 20 17.8 | 17 1.3 | 2 45.2 | 1 31.0 | |
| 15 F | 11 38 | 11.0 | 22 44.2 | 22 56.7 | 9 25.5 | 18 54.2 | 7 56.6 | 20 3.8 | 29 11.1 | 19 19.7 | 17 4.8 | 2 46.3 | 1 33.2 | |
| 16 S | 11 42 | 7.6 | 23 42.8 | 22 53.5 | 1 28.6 | 20 47.1 | 9 1.1 | 20 42.2 | 29 15.2 | 20 21.5 | 17 8.3 | 2 47.3 | 1 35.5 | |
| 17 S | 11 46 | 4.1 | 24 41.4 | 22 50.3 | 3 41.0 | 22 39.3 | 10 5.9 | 21 20.7 | 29 19.2 | 20 23.2 | 17 11.9 | 2 48.4 | 1 37.8 | |
| 18 M | 11 50 | 0.7 | 25 39.9 | 22 47.1 | 5 28.6 | 24 30.8 | 11 10.9 | 21 59.7 | 29 23.6 | 20 24.8 | 17 15.5 | 2 49.5 | 1 40.0 | |
| 19 T | 11 53 | 57.2 | 26 38.2 | 22 44.0 | 7 18.0 | 26 21.4 | 12 16.0 | 22 37.7 | 29 28.1 | 20 26.4 | 17 19.1 | 2 50.7 | 1 42.3 | |
| 20 W | 11 57 | 53.8 | 27 36.9 | 22 40.8 | 8 28.5 | 28 11.1 | 13 21.7 | 23 16.2 | 29 32.6 | 20 27.8 | 17 22.7 | 2 51.8 | 1 44.6 | |
| 21 T | 12 1 50.3 | 28 35.8 | 22 37.6 | 6 16.9 | 29 59.9 | 14 27.4 | 23 54.7 | 24 2.0 | 29 37.6 | 20 29.0 | 17 26.3 | 2 53.0 | 1 46.9 | |
| 22 F | 12 5 46.9 | 29 34.5 | 22 34.4 | 20 29.1 | 1 47.8 | 15 33.4 | 24 33.2 | 29 47.2 | 29 42.0 | 20 30.2 | 17 30.0 | 2 54.3 | 1 49.1 | |
| 23 S | 12 9 43.4 | 0 33.2 | 22 31.2 | 5 48.3 | 3 34.7 | 16 39.6 | 25 11.8 | 29 57.8 | 29 47.0 | 20 31.3 | 17 33.6 | 2 55.5 | 1 51.4 | |
| 24 S | 12 13 40.0 | 1 32.2 | 22 28.1 | 19 1.9 | 5 20.7 | 17 46.0 | 25 50.4 | 29 53.2 | 29 52.0 | 20 32.2 | 17 37.3 | 2 56.8 | 1 53.7 | |
| 25 M | 12 17 36.6 | 2 30.7 | 22 24.9 | 4 39.8 | 7 5.8 | 18 52.6 | 26 29.0 | 29 58.7 | 29 57.0 | 20 33.0 | 17 41.0 | 2 58.1 | 1 56.0 | |
| 26 T | 12 21 33.1 | 3 29.2 | 22 21.7 | 19 27.9 | 8 49.8 | 19 59.5 | 27 7.6 | 0 4.3 | 29 58.3 | 20 33.8 | 17 44.6 | 2 59.4 | 1 58.3 | |
| 27 W | 12 25 29.7 | 4 28.4 | 22 18.5 | 4 28.4 | 10 33.0 | 21 6.6 | 27 46.2 | 0 10.1 | 29 58.3 | 20 34.4 | 17 48.3 | 3 0.2 | 2 0.5 | |
| 28 T | 12 29 26.2 | 5 27.3 | 22 15.4 | 8 27.4 | 12 15.2 | 22 13.8 | 28 24.8 | 0 16.1 | 29 58.3 | 20 34.9 | 17 52.1 | 3 0.8 | 2 2.8 | |
| 29 F | 12 33 22.8 | 6 26.2 | 22 12.2 | 2 53.1 | 13 28.3 | 23 21.3 | 29 3.5 | 0 22.3 | 29 58.3 | 20 35.3 | 17 55.8 | 3 0.6 | 2 5.1 | |
| 30 S | 12 37 19.3 | 7 25.2 | 22 9.0 | 16 17.2 | 15 37.0 | 24 29.0 | 29 45.2 | 0 28.6 | 29 58.3 | 20 35.6 | 17 59.5 | 3 0.2 | 2 7.4 | |

DECLINATION at NOON

| DAY | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|------------|--------|--------------------|----------------------|---------------------|----------------------|----------------------|---------------------|----------------------|----------------------|---------------------|---------------------|
| 1 F | 10 42 | 59.3 | 8 ^m 2.8 | 21 ^h 22.0 | 26 ^m 1.9 | 14 ^h 44.2 | 18 ^h 56.7 | 8 ^h 22.2 | 23 ^h 24.5 | 21 ^h 28.8 | 5 ^h 50.6 | 19 ^h 5.1 |
| 4 W | 10 54 | 48.5 | 9 7.7 | 21 23.6 | 18 51.8 | 13 24.2 | 18 39.8 | 7 38.3 | 23 25.0 | 21 28.8 | 5 54.4 | 14 3.9 |
| 7 T | 11 06 | 38.6 | 5 55.7 | 21 25.3 | 3 29.3 | 11 41.9 | 18 18.6 | 6 53.4 | 23 25.4 | 21 29.1 | 5 58.3 | 14 1.0 |
| 10 S | 11 18 | 28.3 | 4 47.7 | 21 26.9 | 12 25.3 | 9 42.5 | 17 53.1 | 6 8.1 | 23 25.9 | 21 29.4 | 6 2.2 | 13 58.1 |
| 13 W | 11 30 | 17.9 | 3 39.1 | 21 28.5 | 23 24.4 | 7 31.3 | 17 23.3 | 5 22.4 | 23 26.3 | 21 29.6 | 6 5.3 | 13 55.3 |
| 16 S | 11 42 | 7.6 | 2 29.8 | 21 30.1 | 25 24.5 | 5 13.0 | 16 4.4 | 4 36.5 | 23 27.1 | 21 29.7 | 6 10.4 | 13 52.5 |
| 19 T | 11 53 | 57.2 | 1 20.1 | 21 31.6 | 16 41.9 | 2 51.2 | 16 10.6 | 3 50.2 | 23 27.1 | 21 29.7 | 6 14.5 | 13 49.8 |
| 22 F | 12 5 46.9 | 0 10.1 | 21 33.2 | 0 6.6 | 10 28.8 | 15 27.9 | 3 3.7 | 23 27.5 | 21 29.7 | 6 18.7 | 19 10.0 | 13 47.1 |
| 25 M | 12 17 36.6 | 0 50.0 | 21 34.8 | 17 43.5 | 15 52.3 | 14 41.0 | 2 17.0 | 23 27.9 | 21 29.6 | 6 22.9 | 19 10.9 | 13 44.5 |
| 28 T | 12 29 26.2 | 2 10.1 | 21 36.3 | 25 48.4 | 4 10.7 | 13 50.1 | 1 30.2 | 23 28.2 | 21 29.4 | 6 27.2 | 19 11.8 | 13 42.0 |

OCTOBER 1972

| DAY | EPIHEMERIS SIDEREAL TIME | | LONGITUDE at NOON | | | | | | | | | | | |
|------|--------------------------|---------|---------------------|---------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|---------------------|--------------------|--------------------|---|
| | h | m | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
| 1 S | 12 41 | 15.9 | 8 ^m 24.2 | 22 ^h 5.8 | 29 ^m 45.6 | 17 ^h 16.6 | 25 ^h 36.9 | 0 ^h 20.9 | 0 ^h 35.0 | 20 ^h 35.8 | 18 ^h 3.2 | 3 ^m 6.5 | 2 ^m 9.6 | |
| 2 M | 12 45 | 12.4 | 9 23.3 | 22 2.6 | 12 58.6 | 18 55.3 | 26 44.9 | 0 59.6 | 0 41.6 | 20 35.9 | 18 7.0 | 3 8.0 | 2 11.9 | |
| 3 T | 12 49 | 9.0 | 10 23.3 | 21 59.5 | 25 58.1 | 20 33.2 | 27 53.2 | 1 38.3 | 0 48.4 | 20 35.8 | 18 10.7 | 3 9.5 | 2 14.1 | |
| 4 W | 12 53 | 5.7 | 11 23.3 | 21 56.3 | 25 58.6 | 20 33.2 | 28 1.6 | 2 17.1 | 0 55.3 | 20 35.7 | 18 14.5 | 3 11.0 | 2 16.4 | |
| 5 T | 12 57 | 2.1 | 12 20.8 | 21 53.1 | 21 25.2 | 21 20.3 | 28 10.2 | 3 55.9 | 1 2.9 | 20 35.6 | 18 18.3 | 3 12.6 | 2 18.7 | |
| 6 F | 13 0 | 58.6 | 13 19.8 | 21 49.9 | 3 ^m 49.6 | 25 22.6 | 28 19.7 | 4 37.7 | 1 9.5 | 20 35.5 | 18 22.0 | 3 14.2 | 2 20.9 | |
| 7 S | 13 4 55.2 | 14 19.0 | 21 46.8 | 16 7.1 | 26 56.7 | 2 27.8 | 4 13.5 | 1 16.8 | 20 34.5 | 18 25.8 | 18 25.8 | 3 15.8 | 2 23.2 | |
| 8 S | 13 8 51.7 | 15 18.3 | 21 43.6 | 28 15.6 | 28 30.6 | 3 36.9 | 4 52.3 | 1 24.3 | 20 33.9 | 18 29.6 | 18 29.6 | 3 17.4 | 2 25.4 | |
| 9 M | 13 12 48.3 | 16 17.6 | 21 40.4 | 10 16.1 | 29 1.6 | 4 46.2 | 5 31.2 | 1 32.0 | 20 33.2 | 18 32.4 | 18 32.4 | 3 19.1 | 2 27.6 | |
| 10 T | 13 16 44.9 | 17 17.0 | 21 37.2 | 22 10.1 | 1 36.3 | 5 55.6 | 6 10.1 | 1 39.8 | 20 32.4 | 18 37.2 | 18 37.2 | 3 20.8 | 2 29.9 | |
| 11 W | 13 20 41.4 | 18 16.3 | 21 34.0 | 3 59.6 | 3 8.0 | 7 5.1 | 6 49.0 | 1 47.7 | 20 31.5 | 18 41.0 | 18 41.0 | 3 22.5 | 2 32.1 | |
| 12 T | 13 24 38.0 | 19 15.7 | 21 30.9 | 5 47.3 | 4 39.0 | 8 14.8 | 7 27.9 | 1 55.7 | 20 30.5 | 18 44.8 | 18 44.8 | 3 24.3 | 2 34.3 | |
| 13 F | 13 28 34.5 | 20 15.1 | 21 27.7 | 7 38.8 | 6 9.3 | 9 24.7 | 8 6.9 | 2 3.9 | 20 29.3 | 18 48.6 | 18 48.6 | 3 26.2 | 2 36.5 | |
| 14 S | 13 32 31.1 | 21 14.6 | 21 24.5 | 9 36.9 | 7 38.8 | 10 34.6 | 8 45.8 | 2 12.2 | 20 28.1 | 18 52.3 | 18 52.3 | 3 28.0 | 2 38.7 | |
| 15 S | 13 36 27.6 | 22 14.1 | 21 21.3 | 11 47.6 | 9 7.7 | 11 44.7 | 9 24.8 | 2 20.7 | 20 26.7 | 18 56.1 | 18 56.1 | 3 29.6 | 2 40.9 | |
| 16 M | 13 40 24.2 | 23 13.6 | 21 18.2 | 4 16.1 | 10 35.8 | 12 55.0 | 10 3.8 | 2 29.3 | 20 25.2 | 18 59.9 | 18 59.9 | 3 31.4 | 2 43.0 | |
| 17 T | 13 44 20.7 | 24 13.1 | 21 15.0 | 7 7.6 | 12 3.1 | 14 5.3 | 10 42.8 | 2 38.0 | 20 23.0 | 19 3.7 | 19 3.7 | 3 33.2 | 2 45.2 | |
| 18 W | 13 48 17.3 | 25 12.7 | 21 11.8 | 0 28.6 | 13 29.7 | 15 15.8 | 11 21.8 | 2 46.8 | 20 21.0 | 19 7.4 | 19 7.4 | 3 35.1 | 2 47.4 | |
| 19 T | 13 52 13.8 | 26 12.3 | 21 8.6 | 14 15.0 | 14 55.6 | 16 26.8 | 12 0.8 | 2 55.8 | 20 20.2 | 19 11.4 | 19 11.4 | 3 37.0 | 2 49.5 | |
| 20 F | 13 56 10.4 | 27 11.9 | 21 5.4 | 28 33.2 | 16 20.7 | 17 37.2 | 12 39.9 | 3 4.9 | 20 18.3 | 19 15.0 | 19 15.0 | 3 38.8 | 2 51.6 | |
| 21 S | 14 0 6.9 | 28 11.6 | 21 2.3 | 13 37.3 | 17 44.9 | 18 48.1 | 13 19.0 | 3 14.1 | 20 16.3 | 19 18.7 | 19 18.7 | 3 40.7 | 2 53.7 | |
| 22 M | 14 4 3.5 | 29 11.3 | 20 59.1 | 28 20.3 | 19 8.3 | 19 59.1 | 13 58.1 | 3 23.4 | 20 14.2 | 19 22.5 | 19 22.5 | 3 42.7 | 2 55.8 | |
| 23 T | 14 8 0.1 | 30 11.0 | 20 55.9 | 13 32.5 | 20 30.8 | 21 10.3 | 14 37.2 | 3 32.8 | 20 12.0 | 19 26.2 | 19 26.2 | 3 44.6 | 2 57.9 | |
| 24 T | 14 11 56.6 | 1 10.8 | 20 52.7 | 28 42.8 | 21 52.3 | 22 21.5 | 15 16.3 | 3 42.4 | | | | | | |