

JANUARY 1973

DAY	EPIHEMERIS SIDEREAL TIME											
	h	m	s	o	o	o	o	o	o	o	o	o
LONGITUDE at NOON												
1 M	18 43 59.1	10 57.0	17 13.5	6 27.9	25 22.3	17 14.9	1 14.9	17 56.4	15 15.7	22 45.3	6 15.4	4 25.2
2 F	18 47 55.6	11 58.2	17 10.4	6 27.9	25 51.2	18 22.9	1 55.8	16 10.4	15 11.6	22 46.8	6 17.4	4 25.4
3 W	18 51 52.2	12 59.4	17 7.2	6 27.9	26 20.7	19 37.9	2 36.7	18 24.4	15 7.5	22 48.1	6 19.3	4 25.5
4 T	18 55 48.7	14 0.6	17 4.0	6 27.9	26 49.6	20 52.8	3 17.6	18 36.6	15 3.6	22 49.4	6 21.2	4 25.6
5 F	18 59 45.3	15 1.8	17 0.8	6 27.9	27 18.0	22 7.8	3 58.5	18 52.4	14 59.5	22 50.6	6 23.1	4 25.6
6 S	19 3 41.8	16 2.9	16 57.7	6 27.9	27 46.9	22 37.8	4 39.5	19 6.4	14 55.8	22 51.8	6 24.9	4 25.6
7 S	19 7 38.4	17 4.1	16 54.5	6 27.9	28 15.4	24 37.9	5 20.4	19 20.4	14 51.8	22 52.9	6 26.7	4R25.5
8 M	19 11 35.0	18 5.3	16 51.3	6 27.9	28 43.9	25 52.9	6 1.4	19 34.5	14 48.1	22 54.0	6 28.6	4 25.5
9 T	19 15 31.5	19 6.5	16 48.1	6 27.9	29 12.4	27 7.9	6 42.4	19 48.5	14 44.5	22 55.0	6 30.3	4 25.4
10 W	19 19 28.1	20 7.6	16 45.0	6 27.9	29 40.9	28 22.9	7 23.5	20 2.5	14 40.9	22 56.0	6 32.1	4 25.2
11 T	19 23 24.6	21 8.8	16 41.8	6 27.9	30 09.4	29 38.0	8 4.5	20 16.5	14 37.4	22 56.9	6 33.8	4 25.1
12 F	19 27 21.2	22 9.9	16 38.6	6 27.9	30 37.9	30 53.0	8 45.6	20 30.6	14 34.0	22 57.7	6 35.6	4 24.9
13 S	19 31 17.7	23 11.0	16 35.4	6 27.9	31 07.4	32 8.0	9 26.5	20 44.6	14 30.7	22 58.5	6 37.3	4 24.8
14 S	19 35 14.3	24 12.1	16 32.2	6 27.9	31 36.9	33 23.1	10 7.8	20 58.6	14 27.5	22 59.2	6 38.9	4 24.3
15 M	19 39 10.9	25 13.2	16 29.1	6 27.9	32 06.4	34 38.1	10 49.0	21 12.6	14 24.3	22 59.9	6 40.6	4 24.0
16 W	19 43 7.4	26 14.3	16 25.9	6 27.9	32 35.9	35 53.1	11 30.1	21 26.6	14 21.3	23 0.5	6 42.2	4 23.7
17 T	19 47 4.0	27 15.4	16 22.7	6 27.9	33 05.4	37 08.2	12 11.3	21 40.6	14 18.4	23 0.5	6 43.8	4 23.3
18 T	19 51 0.5	28 16.5	16 19.5	6 27.9	33 35.7	38 23.3	12 52.6	21 54.6	14 15.5	23 0.5	6 45.4	4 22.8
19 F	19 54 57.1	29 17.6	16 16.4	6 27.9	34 06.0	39 38.3	13 33.8	22 6.6	14 12.7	23 0.5	6 46.9	4 22.5
20 S	19 58 53.6	30 18.6	16 13.2	6 27.9	34 36.3	40 53.4	14 15.1	22 22.6	14 10.1	23 0.5	6 48.4	4 22.0
21 S	20 2 50.2	1 19.6	16 10.0	6 27.9	35 06.6	42 8.4	14 56.4	22 36.5	14 7.5	23 0.5	6 50.0	4 21.5
22 M	20 6 46.8	2 20.6	16 8.8	6 27.9	35 36.9	43 23.5	15 37.7	22 50.5	14 5.0	23 0.5	6 51.4	4 21.0
23 T	20 10 43.3	3 21.7	16 7.6	6 27.9	36 07.2	44 38.6	16 19.1	23 0.5	14 2.7	23 0.5	6 52.9	4 20.9
24 W	20 14 39.9	4 22.7	16 6.5	6 27.9	36 37.5	45 53.7	17 0.5	23 18.4	14 0.5	23 0.5	6 54.4	4 19.8
25 T	20 18 36.4	5 23.7	16 5.3	6 27.9	37 07.8	47 08.8	17 41.9	23 32.3	13 58.3	23 0.5	6 55.7	4 19.2
26 F	20 22 33.0	6 24.7	16 4.1	6 27.9	37 38.1	48 23.9	18 23.3	23 46.2	13 56.2	23 0.5	6 57.1	4 18.5
27 S	20 26 29.5	7 25.7	16 50.9	6 27.9	38 08.4	49 39.0	19 4.8	24 0.1	13 54.3	23 0.5	6 58.4	4 17.8
28 S	20 30 26.1	8 26.7	15 47.8	6 27.9	38 38.7	50 54.0	19 46.3	24 13.9	13 52.4	23 0.5	6 59.8	4 17.1
29 M	20 34 22.7	9 27.6	15 44.6	6 27.9	39 09.0	52 9.1	20 27.8	24 27.7	13 50.7	23R 3.6	7 1.0	4 16.3
30 T	20 38 19.2	10 28.6	15 41.4	6 27.9	39 39.3	53 24.2	21 9.3	24 41.5	13 49.1	23 3.2	7 2.3	4 15.5
31 W	20 42 15.8	11 29.5	15 38.2	6 27.9	40 09.6	54 39.3	21 50.8	24 55.3	13 47.5	23 3.2	7 3.5	4 14.7
DECLINATION at NOON												
1 M	18 43 59.1	22S 59.5	22S 20.0	24S 46.1	23S 26.2	21S 56.8	20S 9.2	22S 24.8	21N 2.0	8S 16.6	19S 47.9	13N 20.2
2 F	18 47 55.6	22 42.4	22 21.2	24 52.2	23 14.0	21 22.8	22 19.4	21 12.6	21 1.5	8 18.0	19 48.8	13 21.6
3 W	19 7 38.4	22 21.2	22 22.4	12 18.2	24 8.0	22 42.3	20 59.9	22 19.4	21 1.5	8 19.4	19 50.2	13 23.0
4 T	19 11 35.0	21 56.1	22 23.6	3N 56.9	24 12.2	22 56.0	21 22.9	22 0.0	20 58.8	8 20.3	19 50.5	13 24.8
5 F	19 15 31.5	21 27.1	22 24.8	19 21.7	24 4.5	23 3.4	21 44.2	22 1.9	20 59.3	8 21.1	19 51.3	13 26.6
6 S	19 19 28.1	20 54.4	22 26.0	25 22.8	23 44.5	23 4.4	22 4.0	21 55.7	20 58.8	8 21.8	19 52.0	13 28.5
7 S	19 23 24.6	20 18.1	22 27.1	16 37.0	23 11.7	22 59.2	22 22.0	21 49.4	20 58.5	8 22.6	19 52.7	13 30.5
8 M	19 27 21.2	19 38.4	22 28.2	0 4.8	22 27.5	22 47.5	22 38.4	21 42.8	20 58.3	8 23.3	19 53.3	13 32.5
9 T	19 31 17.7	18 55.4	22 29.3	15S 14.4	21 26.4	22 29.6	22 52.9	21 36.0	20 58.1	8 24.0	19 53.9	13 34.6
10 W	19 35 14.3	18 9.3	22 30.5	24 18.8	20 13.6	22 5.5	23 7.7	21 29.1	20 57.9	8 24.7	19 54.4	13 36.8
11 T	19 39 10.9	17 20.3	22 31.6	23 54.8	18 47.0	21 35.4	23 16.6	21 22.1	20 58.3	8 25.4	19 54.9	13 39.1

FEBRUARY 1973

DAY	EPIHEMERIS SIDEREAL TIME											
	h	m	s	o	o	o	o	o	o	o	o	o
LONGITUDE at NOON												
1 T	20 46 12.3	12 30.4	15 35.1	6 27.9	40 39.9	55 4.4	22 32.4	25 9.0	13 46.1	23 2.9	7 4.7	4 13.9
2 F	20 50 9.9	13 31.3	15 31.9	6 27.9	41 09.2	56 19.5	23 01.9	25 23.8	13 44.8	23R 2.6	7 5.9	4R13.0
3 S	20 54 5.4	14 32.2	15 28.7	6 27.9	41 38.6	57 34.6	23 56.6	25 36.4	13 43.6	23 2.2	7 7.0	4 12.1
4 S	20 58 2.0	15 33.1	15 25.5	6 27.9	42 07.9	58 49.7	24 37.3	25 50.1	13 42.6	23 1.8	7 8.1	4 11.2
5 M	21 1 58.9	16 34.0	15 22.3	6 27.9	42 37.2	59 64.8	25 37.9	26 03.6	13 41.6	23 1.3	7 9.2	4 10.2
6 T	21 5 55.7	17 34.5	15 19.1	6 27.9	43 06.5	60 79.9	26 25.8	26 17.3	13 40.7	23 0.7	7 10.2	4 9.2
7 W	21 9 51.7	18 35.5	15 16.0	6 27.9	43 35.2	61 95.0	27 13.7	26 30.9	13 40.0	23 0.1	7 11.2	4 8.2
8 T	21 13 48.2	19 36.3	15 12.8	6 27.9	44 03.9	62 10.0	27 24.0	26 44.4	13 39.4	22 56.4	7 12.2	4 7.2
9 F	21 17 44.8	20 37.1	15 9.6	6 27.9	44 32.6	62 25.1	27 34.3	26 57.9	13 38.8	22 57.7	7 13.1	4 6.1
10 S	21 21 41.3	21 37.8	15 6.5	6 27.9	45 01.3	63 40.2	27 44.6	27 11.3	13 38.4	22 58.0	7 14.0	4 5.0
11 S	21 25 37.9	22 38.5	15 3.3	4X37.2	3 3.6	6 25.0	29 29.3	27 24.7	13 38.2	22 57.7	7 14.9	4 3.9
12 M	21 29 34.4	23 39.1	15 0.1	18 50.8	4 51.6	9 40.0	31 11.1	27 38.0	13 38.0	22 56.3	7 15.8	4 2.7
13 T	21 33 31.0	24 39.8	14 56.9	3 57.6	6 38.9	10 55.1	0 53.0	27 51.4	13 38.0	22 55.4	7 16.6	4 1.6
14 W	21 37 27.5	25 40.4	14 53.8	17 24.8	8 25.3	12 10.1	1 34.8	28 4.6	13 38.0	22 54.4	7 17.4	4 0.4
15 T	21 41 24.1	26 41.0	14 50.6	16 39.0	10 10.5	13 25.1	2 16.7	28 17.9	13 38.0	22 53.4	7 18.2	3 59.2
16 F	21 45 20.6	27 41.6	14 47.4	15 46.1	11 54.1	14 40.1	3 0.0	28 31.0	13 38.5	22 52.3	7 18.9	3 58.0
17 S	21 49 17.2	28 42.1	14 44.2	25 41.7	13 35.6	15 55.1	3 40.5	28 44.1	13 38.9	22 51.2	7 19.6	3 56.7
18 S	21 53 13.8	29 42.6	14 41.0	13 21.8	15 14.6	17 10.1	4 22.4	28 57.2	13 39.4	22 50.0	7 20.2	3 55.4
19 M	21 57 10.3	30 43.1	14 37.9	26 43.4	16 30.7	18 25.0	5 4.4	29 10.2	13 40.0	22 48.7	7 20.9	3 54.1
20 T	22 1 6.9	31 43.5	14 34.7	9 44.8	17 46.9	19 40.0	5 46.3	29 23.2	13 40.7	22 47.6	7 21.4	3 52.8
21 W	22 5 3.0	32 44.0	14 31.5	22 26.2	19 1.4	20 55.0	6 28.2	29 36.4	13 41.5	22 46.2	7 22.0	3 51.5
22 T	22 8 6.4	33 44.4	14 28.3	4 49.9	21 14.8	22 9.9	7 10.4	29 48.9	13 42.5	22 45.0	7 22.5	3 50.2
23 F	22 12 56.5	4 44.7	14 25.2	16 56.8	22 32.9	23 24.9	7 52.4	29 61.7	13 43.6	22 43.5	7 23.0	3 48.7
24 S	22 16 53.1	5 45.1	14 22.0	28 53.2	23 44.8	24 39.8	8 34.5	0 14.5	13 44.8	22 42.0	7 23.5	3 47.3
25 S	22 20 49.6	6 45.4	14 18.8	10 43.4	24 50.0	25 54.8	9 16.6	0 27.2	13 46.1	22 40.5	7 23.9	3 45.9
26 M	22 24 46.2	7 45.8	14 15.6	22 32.7	25 47.9	27 9.7	9 58.7	0 39.8	13 47.5	22 39.0	7 24.3	3 44.5
27 T	22 28 42.8	8 46.0	14 12.5	4 26.2	26 38.6	28 24.6	10 40.8	0 52.3	13 49.0	22 37.4	7 24.6	3 43.0
28 W	22 32 39.3	9 46.3	14 9.3	16 29.1	27 19.6	29 39.6	11 23.0	1 4.8	13 50.6	22 35.8	7 24.9	3 41.5
DECLINATION at NOON												
1 T	20 46 12.3	17S 3.3	22S 32.0	21S 28.6	18S 15.2	21S 24.0	23S 19.8	21S 19.7	20S 58.3	8S 22.2	19S 55.1	13N 39.9
2 F	20 50 9.9	16 10.6	22 33.1	8 38.4	16 30.6	20 46.1	22 28.3	21 12.5	20 58.8	8 21.7	19 55.6	13 41.6
3 W	21 9 51.7	15 15.4	22 34.2	8N 13.4	14 33.1	20 2.7	23 34.8	21 5.1	20 59.0	8 21.0	19 56.9	13 44.1
4 T	21 14 48.2	14 17.8	22 35.2	22 1.1	12 23.8	19 14.0	23 39.4	20 57.7	20 59.6	8 20.2	19 58.2	13 47.6
5 F	21 19 44.8	13 18.2	22 36.3	24 35.5	10 4.6	18 20.2	23 42.1	20 50.1	21 0.2	8 19.2	19 59.5	13 49.5
6 S	21 24 41.3	12 18.										

MAY 1973

Table for MAY 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

Table for MAY 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

JUNE 1973

Table for JUNE 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

Table for JUNE 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

JULY 1973

Table for JULY 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

Table for JULY 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

AUGUST 1973

Table for AUGUST 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

Table for AUGUST 1973 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various days and planets.

SEPTEMBER 1973

DAY	LONGITUDE at NOON											
	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1 S	10 42 2.1	8 45.4	4 21.5	3 33.3	7 36.5	16 11.5	8 54.1	3 27.0	2 54.7	20 49.9	4 44.2	3 19.1
2 S	10 45 58.6	9 52.4	4 18.3	16 4.1	9 32.8	17 11.5	7 8.5	3 22.1	2 59.2	20 45.0	4 44.8	3 21.3
3 S	10 49 55.2	10 50.6	4 15.1	28 16.9	11 28.2	18 22.5	7 22.2	3 17.4	3 3.7	20 52.0	4 45.3	3 23.4
4 W	10 53 51.7	11 48.3	4 12.0	10 16.1	13 22.6	19 33.4	7 25.2	3 12.8	3 8.1	20 55.0	4 45.9	3 25.6
5 W	10 57 48.3	12 46.9	4 9.8	22 7.1	15 16.0	20 44.2	7 27.7	3 8.4	3 12.4	20 58.3	4 46.6	3 27.7
6 F	11 1 44.8	13 45.1	4 8.8	3 55.2	17 8.7	21 55.0	7 29.9	3 16.6	3 15.6	21 1.5	4 47.2	3 29.9
7 F	11 5 41.4	14 43.3	4 7.4	15 45.8	18 58.3	23 5.8	8 9.7	3 0.1	3 16.6	21 4.7	4 47.9	3 32.1
8 S	11 9 37.9	15 41.5	3 59.2	27 43.6	20 49.3	24 16.5	8 19.7	2 56.2	3 24.8	21 7.9	4 48.7	3 34.3
9 S	11 13 34.5	16 39.8	3 56.1	1 30.5	22 38.2	25 27.1	8 29.0	2 52.5	3 28.8	21 11.2	4 49.4	3 36.5
10 M	11 17 31.0	17 38.1	3 52.9	22 16.9	24 25.9	26 37.6	8 37.4	2 48.9	3 32.5	21 14.5	4 50.2	3 38.7
11 M	11 21 27.6	18 36.5	3 49.7	4 25.7	26 12.5	27 48.2	8 45.1	2 45.6	3 36.5	21 17.8	4 51.1	3 40.9
12 W	11 25 24.2	19 34.8	3 46.5	17 54.8	27 58.0	28 58.6	8 51.9	2 42.4	3 40.1	21 21.2	4 51.9	3 43.2
13 T	11 29 20.7	20 33.2	3 43.4	1 47.7	29 42.3	30 9.0	8 57.9	2 39.4	3 43.7	21 24.4	4 52.8	3 45.5
14 F	11 33 17.3	21 31.6	3 40.2	14 36.9	1 25.6	1 19.2	9 3.1	2 36.6	3 47.2	21 27.9	4 53.7	3 47.7
15 S	11 37 13.8	22 30.1	3 37.0	28 17.0	3 7.7	2 29.5	9 7.5	2 34.0	3 50.6	21 31.3	4 54.7	3 50.0
16 S	11 41 10.4	23 28.6	3 33.8	10 6.2	4 48.6	3 39.6	9 13.9	2 31.6	3 54.0	21 34.7	4 55.6	3 52.2
17 M	11 45 6.9	24 27.1	3 30.6	26 2.0	6 28.8	4 49.7	9 10.6	2 29.3	3 57.2	21 38.2	4 56.7	3 54.5
18 T	11 49 3.4	25 25.6	3 27.5	10 2.6	8 7.8	5 59.7	9 7.3	2 27.4	4 0.3	21 41.6	4 57.7	3 56.8
19 W	11 53 0.0	26 24.2	3 24.3	24 6.6	9 45.7	6 57.7	9 4.3	2 25.3	4 3.3	21 45.1	4 58.7	3 59.0
20 W	11 56 56.6	27 22.9	3 21.1	8 19.5	11 22.7	8 19.5	9 18.1	2 23.7	4 6.2	21 48.7	4 59.3	4 1.3
21 F	12 0 53.1	28 21.5	3 17.9	22 21.8	12 56.7	9 29.4	9 15.2	2 22.2	4 9.0	21 52.2	5 0.1	4 3.8
22 S	12 4 49.7	29 20.2	3 14.8	6 30.8	14 33.7	10 39.1	9 13.4	2 20.9	4 11.8	21 55.5	5 2.1	4 5.9
23 S	12 8 46.2	0 19.0	3 11.6	20 38.1	16 7.7	11 48.8	9 10.6	2 19.8	4 14.4	21 59.3	5 3.3	4 8.2
24 M	12 12 42.8	1 17.8	3 8.4	4 40.6	17 40.8	12 58.3	9 7.0	2 18.9	4 17.0	22 0.2	5 3.3	4 10.5
25 T	12 16 39.3	2 16.6	3 5.2	18 34.3	19 12.9	14 7.8	9 2.5	2 18.2	4 19.3	22 6.5	5 5.7	4 12.8
26 W	12 20 35.9	3 15.4	3 2.0	2 15.1	20 44.1	15 17.3	8 57.0	2 17.7	4 21.6	22 10.1	5 7.0	4 15.1
27 T	12 24 32.4	4 14.3	2 58.9	15 39.6	22 14.4	16 26.6	8 50.7	2 17.4	4 23.8	22 13.7	5 8.3	4 17.4
28 F	12 28 29.0	5 13.2	2 55.7	28 45.4	23 43.7	17 35.9	8 43.5	2 17.3	4 25.9	22 17.4	5 9.6	4 19.7
29 S	12 32 25.6	6 12.2	2 52.5	11 31.4	25 12.1	18 45.1	8 35.5	2 17.4	4 27.9	22 21.0	5 11.0	4 22.0
30 S	12 36 22.1	7 11.2	2 49.3	3 58.7	26 39.6	19 54.1	8 26.5	2 17.7	4 29.8	22 24.7	5 12.3	4 24.2

DAY	DECLINATION at NOON											
	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1 S	10 42 2.1	8 13.9	23 23.2	16 54.4	10 20.4	6 5 11.1	10 29.0	20 5 8.8	7 5 34.4	19 30.7	13 23.7	10 23.7
4 T	10 53 51.7	7 8.0	23 22.6	24 7.4	8 3.0	7 41.8	10 42.8	20 12.2	22 20.4	7 37.9	19 31.2	13 20.8
7 F	11 5 41.4	6 1.1	23 22.9	10 35.4	5 42.0	9 11.3	10 54.7	20 15.2	22 20.0	7 41.6	19 31.7	13 17.8
10 M	11 17 31.0	4 53.2	23 23.2	10 34.7	3 19.9	10 39.0	11 4.8	20 17.7	22 19.7	7 45.3	19 32.3	13 14.9
13 T	11 29 20.7	3 44.6	23 23.4	5 31.1	0 58.5	12 4.9	11 13.1	20 19.9	22 19.3	7 49.1	19 32.9	13 12.0
16 S	11 41 10.4	2 35.4	23 23.7	19 14.2	1 20.8	13 26.5	11 19.5	20 21.7	22 18.9	7 53.0	19 33.6	13 9.2
19 W	11 53 0.0	1 25.8	23 23.9	24 9.9	3 37.0	14 48.5	11 34.1	20 23.0	22 18.5	8 56.9	19 34.3	13 6.4
22 S	12 4 49.7	0 15.8	23 24.2	16 0.4	5 49.1	16 7.7	11 26.6	20 24.0	22 18.2	8 0.9	19 35.1	13 3.7
25 T	12 16 39.3	0 54.3	23 24.4	0 3.8	7 56.5	17 22.7	11 27.3	20 24.5	22 17.9	8 5.0	19 35.9	13 1.0
28 F	12 28 29.0	2 4.5	23 24.6	15 14.5	9 58.6	18 34.2	11 26.1	20 24.7	22 17.6	8 9.1	19 36.7	12 58.4

OCTOBER 1973

DAY	LONGITUDE at NOON											
	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1 M	12 40 18.7	8 10.2	2 46.2	6 9.7	28 6.0	21 3.1	8 16.8	2 18.2	4 31.6	22 28.4	5 13.8	4 26.5
2 T	12 44 15.2	9 9.2	2 43.0	18 8.1	29 31.6	22 12.1	8 9.3	2 18.9	4 33.3	22 32.2	5 15.2	4 28.9
3 W	12 48 11.8	10 8.3	2 39.8	29 58.6	0 56.1	23 20.9	7 54.9	2 19.8	4 34.8	22 35.9	5 16.7	4 31.2
4 F	12 52 8.3	11 7.4	2 36.6	11 46.4	2 19.6	24 29.5	7 42.8	2 20.9	4 36.3	22 39.6	5 18.2	4 33.5
5 F	12 56 4.9	12 6.5	2 33.4	23 37.2	3 42.0	25 38.1	7 29.9	2 22.2	4 37.6	22 43.3	5 19.7	4 35.7
6 S	13 0 1.4	13 5.7	2 30.3	5 36.3	5 3.3	26 46.6	7 16.3	2 23.6	4 38.9	22 47.0	5 21.2	4 38.0
7 S	13 3 56.0	14 4.9	2 27.1	17 48.8	6 23.5	27 54.9	7 2.0	2 25.3	4 40.0	22 50.8	5 22.8	4 40.3
8 T	13 7 44.5	15 4.0	2 23.9	0 21.0	7 42.8	29 3.2	6 47.0	2 27.2	4 41.0	22 54.5	5 24.3	4 42.6
9 T	13 11 32.7	16 3.3	2 20.7	9 9.9	8 31.0	30 11.3	6 31.4	2 29.1	4 41.9	22 58.3	5 25.9	4 44.8
10 W	13 15 20.7	17 2.6	2 17.6	26 19.0	10 18.8	31 19.3	5 15.2	2 31.5	4 42.7	23 0.2	5 27.6	4 47.3
11 T	13 19 44.2	18 1.9	2 14.4	9 55.5	11 31.8	32 27.1	5 58.4	2 33.9	4 43.4	23 3.8	5 29.2	4 49.6
12 F	13 23 40.7	19 1.3	2 11.2	23 47.4	12 45.4	3 34.9	5 41.1	2 36.5	4 44.0	23 5.6	5 30.9	4 51.6
13 S	13 27 37.3	20 0.7	2 8.0	7 53.6	13 57.3	4 42.5	5 23.3	2 39.3	4 44.4	23 13.3	5 32.6	4 53.8
14 S	13 31 33.9	21 0.1	2 4.8	22 9.0	15 7.6	5 49.9	5 5.1	2 42.4	4 44.8	23 17.1	5 34.3	4 56.0
15 M	13 35 30.4	21 59.5	2 1.7	6 28.5	16 15.9	6 57.2	4 46.4	2 45.6	4 45.0	23 20.9	5 36.0	4 58.3
16 T	13 39 27.0	22 59.0	1 58.5	20 47.5	17 22.2	8 4.4	4 27.3	2 48.9	4 45.1	23 24.7	5 37.8	5 0.5
17 W	13 43 23.5	23 58.5	1 55.3	5 28.2	18 26.3	9 11.4	4 8.0	2 52.5	4 45.2	23 28.5	5 39.6	5 2.7
18 T	13 47 20.1	24 58.1	1 52.1	19 12.4	19 29.0	10 18.3	3 48.3	2 56.3	4 45.3	23 32.2	5 41.4	5 4.9
19 F	13 51 16.7	25 57.7	1 49.0	3 61.5	20 27.0	11 25.1	3 28.5	3 0.2	4 44.9	23 36.0	5 43.2	5 7.0
20 S	13 55 13.2	26 57.4	1 45.8	17 10.4	21 23.0	12 31.6	3 8.4	3 4.3	4 44.5	23 39.8	5 45.1	5 9.2
21 S	13 59 9.7	27 57.0	1 42.6	0 45.7	22 15.9	13 38.0	2 48.2	3 8.6	4 44.1	23 43.6	5 46.9	5 11.4
22 M	14 3 5.1	28 56.6	1 39.4	14 37.5	23 5.1	14 44.3	2 28.0	3 13.1	4 43.6	23 47.3	5 48.8	5 13.5
23 T	14 7 2.8	29 56.8	1 36.2	23 2.7	24 50.5	15 50.4	2 7.7	3 17.8	4 43.0	23 51.2	5 50.8	5 15.7
24 W	14 10 59.4	0 56.3	1 33.1	11 20.0	24 31.4	16 56.3	3 22.6	3 22.6	4 42.5	23 55.0	5 52.7	5 17.9
25 T	14 14 55.9	1 56.2	1 29.9	24 22.9	25 7.5	18 2.0	1 27.3	3 27.7	4 41.3	23 58.7	5 54.6	5 19.8
26 F	14 18 52.5	2 56.0	1 26.7	7 11.2	25 38.2	19 7.6	1 7.3	3 32.8	4 40.3	24 2.4	5 56.6	5 22.0
27 S	14 22 49.1	3 55.9	1 23.5	19 44.4	26 3.0	20 12.9	0 47.5	3 38.2	4 39.2	24 6.2	5 58.5	5 24.1
28 S	14 26 45.6	4 55.8	1 20.4	2 3.1	26 21.3	21 18.0	0 27.9	3 43.8	4 38.0	24 9.9	6 0.5	5 26.2
29 M	14 30 42.2	5 55.8	1 17.2	14 8.8	26 32.6	22 22.9	0 8.6	3 49.5	4 36.7	24 13.6	6 2.5	5 28.2
30 T	14 34 38.7	6 55.8	1 14.0	26 4.3	26 36.1	23 27.6	29 49.7	3 55.3	4 35.3	24 17.3	6 4.5	5 30.3
31 W	14 38 35.3	7 55.8	1 10.8	7 53.2	26 31.2	24 32.1	29 31.1	4 1.4	4 33.7	24 21.1	6 6.6	5 32.3

DAY	DECLINATION at NOON											
	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1 M	12 40 18.7	3 14.5	23 24.8	23 32.3	11 54.7	19 5 41.9	11 23.2	20 5 24.4	22 17.3	8 5 13.2	19 5 37.6	12 5 59.9
4 T	12 52 8.3	4 24.1	23 25.2	22 5.5	13 44.1	20 45.8	11 18.7	20 23.6	22 17.0	8 17.4	19 5 38.5	12 5 53.4
7 S	13 3 58.0	5 33.3	23 25.6	12 3.4	15 26.2	21 44.8	11 12.7	20 25.0	22 16.8	8 21.6	19 5 39.4	12 5 10.0
10 W	13 15 47.8	6 41.8	23 25.4	3 30.9	17 0.1	22 39.4	11 5.3	20 21.0	22 16.6	8 25.8	19 40.4	12 48.7
13 T</												