

JANUARY 1970

DAY	EPIHEMERIS SIDEREAL TIME			LONGITUDE at NOON												
	h	m	s	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
1 T	18 42	53.6	10 40.2	15 15.6	17 08	23 17.1	5 56	10 X36.9	2 23.8	2 3.5	8-43.6	29 54.4	27 23.4			
2 F	18 46	50.2	11 41.6	15 12.4	23 57.8	29 52.8	7 36.6	13 21.7	2 31.9	2 R 3.4	8 44.3	29 56.2	27 23.4			
3 S	18 50	46.8	12 42.6	15 9.2	23 52.8	29 56.2	7 36.6	14 6.4	2 39.9	2 R 3.3	8 44.9	29 56.0	27 R23.2			
4 S	18 54	43.3	13 43.8	15 6.1	27 17.9	29 60.0	8 52.1	14 51.1	2 47.7	2 3.3	8 45.4	29 59.8	27 23.1			
5 M	18 58	39.9	14 44.9	15 3.9	11 42.6	29 52.3	10 7.7	15 35.9	2 55.4	2 D 3.4	8 45.8	0 1.5	27 22.9			
6 W	19 2	36.4	15 46.1	15 1.7	14 59.7	28 32.8	11 23.2	16 20.6	3 2.9		8 46.6	0 4.9	27 22.4			
7 T	19 6	33.0	16 47.3	14 56.5	11 40.6	28 32.9	12 38.6	17 5.3	3 10.3	2 4.0	8 46.6	0 4.9	27 22.4			
8 T	19 10	29.5	17 48.5	14 53.4	26 56.8	28 18.8	13 54.1	17 50.0	3 17.6	2 4.5	8 46.9	0 6.6	27 22.1			
9 F	19 14	26.1	18 49.6	14 50.2	12 9.5	27 25.4	15 9.6	18 34.7	3 24.2	2 5.1	8 47.1	0 8.2	27 21.7			
10 S	19 18	22.7	19 50.8	14 47.0	27 9.0	26 22.5	16 25.1	19 19.4	3 31.7	2 5.8	8 47.3	0 9.8	27 21.4			
11 S	19 22	19.2	20 51.9	14 43.8	11 X48.0	25 12.1	17 40.6	20 4.0	3 38.6	2 6.6	8 47.4	0 11.4	27 21.0			
12 M	19 26	15.8	21 53.1	14 40.6	26 2.4	23 56.3	18 56.1	20 48.7	3 45.3	2 7.5	8 47.5	0 13.0	27 20.5			
13 T	19 30	12.3	22 54.2	14 37.5	9 25.1	22 37.5	20 11.5	21 33.3	3 51.8	2 8.5	8 47.5	0 14.6	27 20.1			
14 W	19 34	8.9	23 55.3	14 34.3	23 15.0	21 18.2	21 27.0	22 17.9	3 58.2	2 9.7	8 47.5	0 16.1	27 19.6			
15 T	19 38	5.5	24 56.4	14 31.1	6 17.1	20 0.9	22 42.5	23 2.5	4 4.5	2 10.9	8 R47.3	0 17.6	27 19.1			
16 F	19 42	2.0	25 57.5	14 27.9	19 0.6	18 47.8	23 57.9	23 47.1	4 10.6	2 12.3	8 47.2	0 19.0	27 18.5			
17 S	19 45	58.6	26 58.6	14 24.8	1 X28.9	17 40.7	25 13.3	24 31.6	4 16.6	2 13.7	8 47.0	0 20.5	27 17.9			
18 S	19 49	55.1	27 59.7	14 21.6	13 45.2	16 41.2	26 28.8	25 16.2	4 22.4	2 15.3	8 46.7	0 21.9	27 17.3			
19 M	19 53	51.7	29 0.8	14 18.4	25 52.2	15 50.1	27 44.2	26 0.7	4 28.0	2 17.0	8 46.4	0 23.3	27 16.6			
20 T	19 57	48.2	30 1.8	14 15.2	7 52.2	15 8.1	28 59.6	26 45.4	4 33.5	2 18.8	8 46.0	0 24.6	27 16.0			
21 W	20 1	44.8	31 2.8	14 12.1	19 47.0	14 35.4	29 15.0	27 29.6	4 38.8	2 20.7	8 45.5	0 26.0	27 15.2			
22 T	20 5	41.4	32 3.8	14 9.9	13 36.3	12 1.9	30.4	28 14.0	4 44.0	2 22.7	8 45.1	0 27.3	27 14.5			
23 F	20 9	37.9	33 4.9	14 7.7	13 27.7	13 57.8	2 45.8	28 58.5	4 49.1	2 24.9	8 44.6	0 28.6	27 13.8			
24 S	20 13	34.5	34 5.9	14 5.9	13 17.1	13 52.1	4 1.2	29 42.9	4 53.9	2 27.1	8 44.0	0 29.8	27 13.0			
25 S	20 17	31.0	35 6.9	13 59.4	7 7.8	13 D54.5	5 16.6	0 27.2	4 58.6	2 29.5	8 43.3	0 31.0	27 12.1			
26 M	20 21	27.6	36 7.9	13 56.2	19 12.9	14 24.6	6 32.0	1 11.6	5 3.1	2 31.9	8 42.6	0 32.2	27 11.3			
27 T	20 25	24.1	37 8.8	13 53.0	1 9.4	14 21.6	7 47.3	1 55.9	5 7.4	2 34.5	8 41.8	0 33.4	27 10.4			
28 W	20 29	20.7	38 9.8	13 49.8	13 25.8	14 45.1	9 2.7	2 40.1	5 11.6	2 37.1	8 41.0	0 34.5	27 9.5			
29 T	20 33	17.3	39 10.7	13 46.6	25 58.4	15 14.5	10 18.0	3 24.4	5 15.6	2 39.9	8 40.1	0 35.6	27 8.5			
30 F	20 37	13.8	40 11.6	13 43.5	8 51.2	15 49.2	11 33.4	4 8.6	5 19.5	2 42.7	8 39.2	0 36.7	27 7.6			
31 S	20 41	10.4	41 12.6	13 40.3	22 8.3	16 28.9	12 48.7	4 52.8	5 23.1	2 45.7	8 38.2	0 37.7	27 6.6			

FEBRUARY 1970

DAY	EPIHEMERIS SIDEREAL TIME			LONGITUDE at NOON												
	h	m	s	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
1 T	20 45	6.9	12 13.5	13 X37.1	5 32.2	17 13.0	14 4.1	5 37.0	5 26.6	2 48.7	8-37.2	0 38.7	27 5.6			
2 F	20 49	3.5	13 14.4	13 33.9	20 6.9	18 1.1	15 19.4	6 21.1	5 29.9	2 51.9	8 R36.1	0 39.7	27 R 4.5			
3 S	20 53	0.0	14 15.2	13 30.8	4 41.6	18 52.9	16 34.7	7 5.2	5 33.1	2 55.1	8 35.0	0 40.6	27 3.4			
4 W	20 56	58.6	15 16.1	13 27.6	19 48.1	17 50.0	17 48.3	8 20.3	5 36.0	3 58.5	8 33.8	0 41.5	27 2.3			
5 T	21 0	53.2	16 16.9	13 24.4	4 52.1	18 46.4	19 5.3	8 33.4	5 38.8	3 1.9	8 32.6	0 42.4	27 1.2			
6 F	21 4	49.7	17 17.8	13 21.2	20 7.2	21 47.4	20 20.6	9 17.4	5 41.4	3 5.5	8 31.3	0 43.2	27 0.1			
7 S	21 8	46.3	18 18.6	13 18.1	5 X15.2	22 51.1	21 35.9	10 1.4	5 43.8	3 9.1	8 30.0	0 44.0	26 58.9			
8 S	21 12	42.8	19 19.4	13 14.9	20 7.1	23 57.1	22 51.1	10 45.4	5 46.0	3 12.9	8 28.6	0 44.8	26 57.7			
9 M	21 16	39.4	20 20.1	13 11.7	4 36.3	25 5.2	24 6.4	11 29.4	5 48.0	3 16.7	8 27.2	0 45.6	26 56.5			
10 T	21 20	35.9	21 20.8	13 8.5	18 38.9	26 15.4	25 21.6	12 13.3	5 49.9	3 20.6	8 25.8	0 46.3	26 55.3			
11 W	21 24	32.5	22 21.6	13 5.3	2 14.3	27 27.5	26 36.8	12 57.2	5 51.5	3 24.6	8 24.3	0 46.9	26 54.0			
12 T	21 28	29.0	23 22.2	13 2.2	15 20.7	28 41.3	27 52.0	13 41.0	5 53.0	3 28.8	8 22.7	0 47.6	26 52.7			
13 F	21 32	25.6	24 22.9	12 59.0	28 10.3	29 56.8	29 7.2	14 24.9	5 54.3	3 33.0	8 21.1	0 48.2	26 51.5			
14 S	21 36	22.2	25 23.8	12 55.8	10 X37.4	1 13.8	0 X22.4	15 8.6	5 55.5	3 37.3	8 19.5	0 48.8	26 50.1			
15 S	21 40	18.7	26 24.2	12 52.6	22 49.6	2 32.3	1 37.6	15 52.4	5 56.4	3 41.7	8 17.8	0 49.4	26 48.8			
16 M	21 44	15.3	27 24.7	12 49.5	4 50.7	3 52.2	2 52.7	16 36.1	5 57.1	3 46.1	8 16.1	0 49.9	26 47.4			
17 T	21 48	11.8	28 25.3	12 46.3	16 44.5	5 13.3	4 7.8	17 19.8	5 57.6	3 50.7	8 14.3	0 50.3	26 46.1			
18 W	21 52	8.4	29 25.8	12 43.1	28 34.4	6 35.8	5 22.9	18 3.4	5 58.0	3 55.3	8 12.5	0 50.8	26 44.7			
19 T	21 56	4.9	30 26.2	12 39.9	10 X26.2	7 59.5	6 38.0	18 4.0	5 58.2	4 0.0	8 10.7	0 51.2	26 43.3			
20 F	22 0	1.6	31 26.7	12 36.7	22 13.5	9 24.4	7 53.0	19 30.6	5 R58.1	4 9.7	8 8.8	0 51.6	26 41.8			
21 S	22 3	58.0	32 27.1	12 33.6	4 7.2	10 54.4	9 8.1	20 14.0	5 57.9	4 9.7	8 6.9	0 51.9	26 40.4			
22 S	22 7	54.6	33 27.5	12 30.4	16 6.5	12 17.5	10 23.1	20 57.5	5 57.5	4 14.6	8 4.9	0 52.2	26 38.9			
23 M	22 11	51.2	34 27.9	12 27.2	28 13.1	13 45.8	11 38.1	21 40.9	5 56.9	4 19.7	8 2.9	0 52.5	26 37.5			
24 T	22 15	47.7	35 28.3	12 24.0	10 28.2	15 15.1	12 53.1	22 24.3	5 56.2	4 24.5	8 0.9	0 52.7	26 36.1			
25 W	22 19	44.3	36 28.6	12 20.9	22 56.8	16 45.5	14 8.1	23 7.7	5 55.2	4 30.0	7 58.8	0 52.9	26 34.5			
26 T	22 23	40.8	37 28.9	12 17.7	5 38.2	18 17.0	15 23.0	23 51.0	5 54.0	4 35.2	7 56.7	0 53.1	26 33.0			
27 F	22 27	37.4	38 29.1	12 14.5	18 36.0	19 49.5	16 38.0	24 34.3	5 52.7	4 40.6	7 54.6	0 53.2	26 31.5			
28 S	22 31	33.9	39 29.4	12 11.3	1 52.4	21 23.1	17 52.9	25 17.6	5 51.2	4 46.0	7 52.4	0 53.3	26 29.9			
1 S	20 45	6.9	17 S 8.1	6 S26.6	26 S24.0	20 S52.2	17 S48.6	11 N58.8	12 S 6.2	10 N13.3	2 S44.4	18 S39.1	15 N52.1			
4 W	20 56	56.6	16 15.7	6 30.2	26 6.1	21 3.0	16 44.1	2 43.7	12 8.7	10 17.4	2 43.0	18 39.6	15 54.5			
7 T	21 8 46.3	15 20.7	6 33.9	6 33.9	10 9.3	21 4.7	15 35.5	3 58.2	12 10.7	10 21.8	2 41.4	18 39.9	15 56.9			
10 T	21 20 35.9	14 23.4	6 37.6	10 N13.4	20 56.4	14 22.9	4 22.3	4 42.3	12 12.1	10 26.4	2 39.8	18 40.2	15 59.4			
13 F																

MAY 1970

Table for May 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

Table for May 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

JUNE 1970

Table for June 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

Table for June 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

JULY 1970

Table for July 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

Table for July 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

AUGUST 1970

Table for August 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

Table for August 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

SEPTEMBER 1970

Table for September 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

NOVEMBER 1970

Table for November 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

OCTOBER 1970

Table for October 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

DECEMBER 1970

Table for December 1970 showing Ephemeris Sidereal Time, Longitude at Noon, and Declination at Noon for various celestial bodies.

Table for October 1970 showing Declination at Noon for various celestial bodies.

Table for December 1970 showing Declination at Noon for various celestial bodies.