JANUARY 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 F	18 42 24.8	10♑33.3	24♑43.5	27♏34.5	2♑47.3	3♑44.4	7♏13.6	18♊57.3	7♏31.3	21♋30.2	25♎52.5	24♌43.0
2 S	18 46 21.3	11 34.4	24 40.3	10♐ 9.6	4 21.2	4 59.9	7 49.4	18R50.3	7 35.7	21R27.6	25 53.3	24R42.0
3 S	18 50 17.9	12 35.6	24 37.2	23 1.9	5 55.5	6 15.4	8 25.1	18 43.4	7 40.1	21 25.0	25 54.1	24 41.0
4 M	18 54 14.5	13 36.8	24 34.0	6♑12.0	7 30.1	7 30.9	9 0.8	18 36.6	7 44.4	21 22.5	25 54.9	24 39.9
5 T	18 58 11.0	14 38.0	24 30.8	19 39.1	9 5.1	8 46.4	9 36.5	18 30.0	7 48.6	21 19.9	25 55.7	24 38.9
6 W	19 2 7.6	15 39.1	24 27.6	3♒21.4	10 40.4	10 1.9	10 12.1	18 23.5	7 52.7	21 17.3	25 56.4	24 37.8
7 T	19 6 4.1	16 40.3	24 24.5	17 16.2	12 16.1	11 17.4	10 47.7	18 17.1	7 56.8	21 14.7	25 57.1	24 36.7
8 F	19 10 0.7	17 41.5	24 21.3	1♓20.4	13 52.3	12 32.8	11 23.2	18 10.9	8 0.7	21 12.1	25 57.7	24 35.6
9 S	19 13 57.2	18 42.6	24 18.1	15 30.6	15 28.8	13 48.3	11 58.6	18 4.8	8 4.6	21 9.5	25 58.4	24 34.5
10 S	19 17 53.8	19 43.8	24 14.9	29 43.8	17 5.9	15 3.8	12 34.1	17 58.9	8 8.5	21 6.9	25 59.0	24 33.4
11 M	19 21 50.4	20 45.0	24 11.7	13♈57.1	18 43.3	16 19.3	13 9.5	17 53.2	8 12.1	21 4.3	25 59.6	24 32.2
12 T	19 25 46.9	21 46.1	24 8.6	28 7.9	20 21.2	17 34.8	13 44.8	17 47.6	8 15.8	21 1.7	26 0.1	24 31.0
13 W	19 29 43.5	22 47.2	24 5.4	12♉14.3	21 59.6	18 50.2	14 20.1	17 42.1	8 19.3	20 59.1	26 0.6	24 29.8
14 T	19 33 40.0	23 48.3	24 2.2	26 14.1	23 38.4	20 5.7	14 55.3	17 36.8	8 22.7	20 56.5	26 1.0	24 28.6
15 F	19 37 36.6	24 49.4	23 59.0	10♊ 5.6	25 17.7	21 21.1	15 30.4	17 31.7	8 26.0	20 53.9	26 1.4	24 27.4
16 S	19 41 33.1	25 50.5	23 55.9	23 46.8	26 57.6	22 36.6	16 5.6	17 26.8	8 29.3	20 51.3	26 1.8	24 26.1
17 S	19 45 29.7	26 51.6	23 52.7	7♋16.1	28 37.9	23 52.0	16 40.6	17 22.0	8 32.4	20 48.7	26 2.2	24 24.9
18 M	19 49 26.3	27 52.6	23 49.5	20 31.8	0♒18.8	25 7.4	17 15.6	17 17.4	8 35.5	20 46.1	26 2.5	24 23.6
19 T	19 53 22.8	28 53.7	23 46.3	3♌33.0	2 0.2	26 22.8	17 50.6	17 13.0	8 38.5	20 43.5	26 2.8	24 22.3
20 W	19 57 19.4	29 54.7	23 43.2	16 19.2	3 42.0	27 38.2	18 25.5	17 8.7	8 41.4	20 41.0	26 3.0	24 21.0
21 T	20 1 15.9	0♒55.8	23 40.0	28 50.6	5 24.4	28 53.6	19 0.3	17 4.7	8 44.1	20 38.4	26 3.2	24 19.7
22 F	20 5 12.5	1 56.8	23 36.8	11♍ 8.5	7 7.2	0♒ 9.0	19 35.1	17 0.8	8 46.8	20 35.8	26 3.4	24 18.3
23 S	20 9 9.0	2 57.8	23 33.6	23 15.1	8 50.5	1 24.4	20 9.9	16 57.1	8 49.4	20 33.3	26 3.6	24 17.0
24 S	20 13 5.6	3 58.8	23 30.4	5♎13.0	10 34.2	2 39.8	20 44.6	16 53.7	8 51.9	20 30.8	26 3.7	24 15.6
25 M	20 17 2.2	4 59.8	23 27.3	17 6.2	12 18.3	3 55.2	21 19.2	16 50.4	8 54.3	20 28.3	26 3.7	24 14.2
26 T	20 20 58.7	6 0.8	23 24.1	28 58.6	14 2.7	5 10.6	21 53.7	16 47.3	8 56.6	20 25.8	26 3.8	24 12.9
27 W	20 24 55.3	7 1.8	23 20.9	10♏54.9	15 47.2	6 26.0	22 28.2	16 44.3	8 58.8	20 23.3	26 3.8	24 11.5
28 T	20 28 51.8	8 2.7	23 17.7	22 60.0	17 32.0	7 41.3	23 2.7	16 41.6	9 0.9	20 20.9	26 3.8	24 10.1
29 F	20 32 48.4	9 3.7	23 14.6	5♐18.3	19 16.7	8 56.7	23 37.0	16 39.1	9 2.9	20 18.4	26R 3.7	24 8.7
30 S	20 36 44.9	10 4.6	23 11.4	17 54.1	21 1.3	10 12.0	24 11.3	16 36.8	9 4.7	20 16.0	26 3.6	24 7.2
31 S	20 40 41.5	11 5.6	23 8.2	0♑50.8	22 45.7	11 27.4	24 45.6	16 34.7	9 6.6	20 13.7	26 3.5	24 5.9

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 F	18 42 24.8	23S 1.6	21S11.2	23S53.9	24S30.9	23S36.1	12S49.9	22N31.3	11S47.5	22N12.8	8S25.9	22N38.8
4 M	18 54 14.5	22 45.0	21 12.9	24 54.8	24 35.8	23 33.5	13 25.0	22 30.1	11 51.2	22 14.0	8 26.7	22 40.6
7 T	19 6 4.1	22 24.3	21 14.6	13 40.1	24 28.2	23 24.4	13 59.3	22 29.0	11 54.6	22 15.3	8 27.3	22 42.5
10 S	19 17 53.8	21 59.7	21 16.3	4N18.8	24 7.7	23 8.8	14 32.7	22 27.9	11 57.7	22 16.5	8 27.8	22 44.4
13 W	19 29 43.5	21 31.2	21 17.9	20 17.3	23 34.0	22 46.7	15 5.2	22 27.0	12 0.5	22 17.8	8 28.2	22 46.3
16 S	19 41 33.1	20 59.0	21 19.6	25 57.8	22 46.6	22 18.3	15 36.8	22 26.1	12 3.1	22 19.0	8 28.5	22 48.2
19 T	19 53 22.8	20 23.2	21 21.2	18 30.8	21 45.4	21 43.9	16 7.4	22 25.4	12 5.3	22 20.2	8 28.7	22 50.1
22 F	20 5 12.5	19 43.9	21 22.9	3 48.2	20 30.2	21 3.5	16 37.1	22 24.8	12 7.3	22 21.4	8 28.7	22 52.0
25 M	20 17 2.2	19 1.4	21 24.5	11S33.1	19 1.1	20 17.5	17 5.7	22 24.4	12 9.0	22 22.5	8 28.7	22 53.9
28 T	20 28 51.8	18 15.6	21 26.1	22 59.1	17 18.5	19 26.1	17 33.4	22 24.1	12 10.4	22 23.6	8 28.5	22 55.8
31 S	20 40 41.5	17 27.0	21 27.7	25 31.0	15 23.7	18 29.7	17 60.0	22 24.0	12 11.5	22 24.7	8 28.2	22 57.7

FEBRUARY 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 M	20 44 38.1	12♒ 6.5	23♑ 5.0	14♑10.4	24♒29.5	12♒42.8	25♏19.7	16♊32.8	9♏ 8.3	20♋11.3	26♎ 3.4	24♌ 4.4
2 T	20 48 34.6	13 7.4	23 1.9	27 53.3	26 12.6	13 58.1	25 53.8	16R31.1	9 9.9	20R 8.9	26R 3.2	24R 3.0
3 W	20 52 31.2	14 8.3	22 58.7	11♒57.8	27 54.7	15 13.4	26 27.8	16 29.6	9 11.3	20 6.6	26 2.9	24 1.5
4 T	20 56 27.7	15 9.1	22 55.5	26 20.0	29 35.5	16 28.7	27 1.7	16 28.3	9 12.7	20 4.3	26 2.7	24 0.1
5 F	21 0 24.3	16 10.0	22 52.3	10♓54.5	1♓14.5	17 44.0	27 35.6	16 27.2	9 14.0	20 2.0	26 2.4	23 58.6
6 S	21 4 20.8	17 10.8	22 49.1	25 34.8	2 51.4	18 59.3	28 9.3	16 26.3	9 15.2	19 59.8	26 2.0	23 57.1
7 S	21 8 17.4	18 11.6	22 46.0	10♈12.8	4 25.7	20 14.6	28 43.0	16 25.6	9 16.2	19 57.6	26 1.7	23 55.7
8 M	21 12 13.9	19 12.4	22 42.8	24 43.8	5 56.9	21 29.9	29 16.6	16 25.1	9 17.2	19 55.4	26 1.3	23 54.2
9 T	21 16 10.5	20 13.1	22 39.6	9♉ 2.8	7 24.3	22 45.1	29 50.1	16 24.8	9 18.0	19 53.2	26 0.8	23 52.7
10 W	21 20 7.1	21 13.8	22 36.4	23 6.9	8 47.4	24 0.4	0♐23.5	16 24.8	9 18.8	19 51.1	26 0.4	23 51.3
11 T	21 24 3.6	22 14.5	22 33.3	6♊55.2	10 5.4	25 15.6	0 56.8	16D24.9	9 19.4	19 49.0	25 59.9	23 49.8
12 F	21 28 0.2	23 15.2	22 30.1	20 27.7	11 17.6	26 30.8	1 30.1	16 25.2	9 20.0	19 46.9	25 59.4	23 48.3
13 S	21 31 56.7	24 15.8	22 26.9	3♋45.4	12 23.4	27 45.9	2 3.2	16 25.7	9 20.4	19 44.9	25 58.8	23 46.8
14 S	21 35 53.3	25 16.4	22 23.7	16 49.4	13 21.9	29 1.1	2 36.3	16 26.5	9 20.7	19 42.9	25 58.2	23 45.3
15 M	21 39 49.8	26 17.0	22 20.6	29 40.9	14 12.6	0♓16.3	3 9.2	16 27.4	9 21.0	19 41.0	25 57.6	23 43.9
16 T	21 43 46.4	27 17.6	22 17.4	12♌21.0	14 54.6	1 31.4	3 42.1	16 28.5	9 21.1	19 39.1	25 56.9	23 42.4
17 W	21 47 42.9	28 18.1	22 14.2	24 50.3	15 27.6	2 46.5	4 14.9	16 29.9	9 21.1	19 37.2	25 56.3	23 40.9
18 T	21 51 39.5	29 18.6	22 11.0	7♍ 9.8	15 50.9	4 1.6	4 47.5	16 31.4	9R21.0	19 35.4	25 55.5	23 39.4
19 F	21 55 36.1	0♓19.1	22 7.8	19 20.1	16 4.2	5 16.7	5 20.1	16 33.1	9 20.9	19 33.6	25 54.8	23 38.0
20 S	21 59 32.6	1 19.5	22 4.7	1♎22.6	16 7.4	6 31.8	5 52.6	16 35.0	9 20.6	19 31.8	25 54.0	23 36.5
21 S	22 3 29.2	2 20.0	22 1.5	13 19.0	16R 0.4	7 46.9	6 25.0	16 37.2	9 20.2	19 30.1	25 53.3	23 35.1
22 M	22 7 25.7	3 20.4	21 58.3	25 11.5	15 43.5	9 1.9	6 57.3	16 39.5	9 19.7	19 28.4	25 52.5	23 33.6
23 T	22 11 22.3	4 20.8	21 55.1	7♏ 3.3	15 17.0	10 17.0	7 29.4	16 42.0	9 19.1	19 26.8	25 51.6	23 32.2
24 W	22 15 18.8	5 21.1	21 52.0	18 58.1	14 41.7	11 32.0	8 1.5	16 44.7	9 18.4	19 25.2	25 50.7	23 30.7
25 T	22 19 15.4	6 21.5	21 48.8	1♐ 0.3	13 58.4	12 47.0	8 33.4	16 47.6	9 17.6	19 23.7	25 49.8	23 29.3
26 F	22 23 11.9	7 21.8	21 45.6	13 14.6	13 8.3	14 2.0	9 5.2	16 50.6	9 16.7	19 22.2	25 48.9	23 27.9
27 S	22 27 8.5	8 22.1	21 42.4	25 45.9	12 12.7	15 16.9	9 36.9	16 53.9	9 15.7	19 20.7	25 47.9	23 26.4
28 S	22 31 5.0	9 22.3	21 39.2	8♑38.9	11 13.1	16 31.9	10 8.5	16 57.4	9 14.6	19 19.3	25 46.9	23 25.0

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 M	20 44 38.1	17S10.1	21S28.3	23S35.2	14S43.0	18S 9.8	18S 8.6	22N24.0	12S11.8	22N25.0	8S28.1	22N58.4
4 T	20 56 27.7	16 17.7	21 29.9	10 5.7	12 35.1	17 7.0	18 33.8	22 24.1	12 12.5	22 26.1	8 27.7	23 0.2
7 S	21 8 17.4	15 22.8	21 31.4	8N43.2	10 22.0	15 59.9	18 57.9	22 24.4	12 12.9	22 27.0	8 27.2	23 2.0
10 W	21 20 7.1	14 25.6	21 33.0	22 58.0	8 10.1	14 48.8	19 21.0	22 24.9	12 13.1	22 28.0	8 26.5	23 3.8
13 S	21 31 56.7	13 26.2	21 34.6	25 11.1	6 8.1	13 34.1	19 43.0	22 25.6	12 12.9	22 28.9	8 25.8	23 5.6
16 T	21 43 46.4	12 24.9	21 36.1	15 30.5	4 26.8	12 16.1	20 3.8	22 26.4	12 12.4	22 29.7	8 25.0	23 7.3
19 F	21 55 36.1	11 21.8	21 37.7	0 17.2	3 17.1	10 55.2	20 23.7	22 27.4	12 11.6	22 30.5	8 24.1	23 9.0
22 M	22 7 25.7	10 17.0	21 39.2	14S32.5	2 47.9	9 31.6	20 42.4	22 28.6	12 10.6	22 31.2	8 23.1	23 10.5
25 T	22 19 15.4	9 10.9	21 40.7	24 20.8	3 2.3	8 5.8	21 0.1	22 29.9	12 9.2	22 31.8	8 22.0	23 12.1
28 S	22 31 5.0	8 3.5	21 42.2	24 26.7	3 55.3	6 38.0	21 16.7	22 31.4	12 7.6	22 32.4	8 20.8	23 13.5

MARCH 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 M	22 35 1.6	10♓22.5	21♑36.1	21♑57.3	10♓10.9	17♓46.8	10♐39.9	17♊ 1.0	9♏13.3	19♋17.9	25♎45.9	23♌23.6
2 T	22 38 58.1	11 22.7	21 32.9	5♒43.4	9R 7.8	19 1.7	11 11.2	17 4.8	9R12.0	19R16.6	25R44.8	23R22.2
3 W	22 42 54.7	12 22.9	21 29.7	19 56.9	8 5.2	20 16.6	11 42.4	17 8.8	9 10.6	19 15.3	25 43.8	23 20.8
4 T	22 46 51.3	13 23.1	21 26.5	4♓35.0	7 4.5	21 31.5	12 13.4	17 13.0	9 9.1	19 14.1	25 42.7	23 19.5
5 F	22 50 47.8	14 23.2	21 23.4	19 31.2	6 7.0	22 46.4	12 44.3	17 17.3	9 7.5	19 12.9	25 41.5	23 18.1
6 S	22 54 44.4	15 23.3	21 20.2	4♈36.8	5 13.7	24 1.2	13 15.0	17 21.9	9 5.8	19 11.8	25 40.4	23 16.7
7 S	22 58 40.9	16 23.4	21 17.0	19 41.6	4 25.4	25 16.0	13 45.6	17 26.6	9 4.0	19 10.7	25 39.2	23 15.4
8 M	23 2 37.5	17 23.4	21 13.8	4♉36.2	3 42.8	26 30.8	14 16.0	17 31.5	9 2.1	19 9.7	25 38.0	23 14.1
9 T	23 6 34.0	18 23.4	21 10.6	19 13.0	3 6.4	27 45.6	14 46.3	17 36.5	9 0.1	19 8.7	25 36.8	23 12.7
10 W	23 10 30.6	19 23.3	21 7.5	3♊27.5	2 36.5	29 0.4	15 16.4	17 41.8	8 58.0	19 7.7	25 35.6	23 11.4
11 T	23 14 27.1	20 23.2	21 4.3	17 18.1	2 13.1	0♈15.1	15 46.4	17 47.2	8 55.8	19 6.9	25 34.3	23 10.1
12 F	23 18 23.7	21 23.1	21 1.1	0♋45.4	1 56.4	1 29.8	16 16.2	17 52.7	8 53.6	19 6.0	25 33.0	23 8.9
13 S	23 22 20.2	22 22.9	20 57.9	13 52.0	1 46.1	2 44.5	16 45.8	17 58.5	8 51.2	19 5.2	25 31.7	23 7.6
14 S	23 26 16.8	23 22.8	20 54.8	26 41.0	1 42.3	3 59.2	17 15.3	18 4.4	8 48.8	19 4.6	25 30.5	23 6.4
15 M	23 30 13.3	24 22.6	20 51.6	9♌15.6	1D44.6	5 13.8	17 44.6	18 10.5	8 46.3	19 3.9	25 29.1	23 5.2
16 T	23 34 9.9	25 22.3	20 48.4	21 38.7	1 52.7	6 28.4	18 13.8	18 16.7	8 43.6	19 3.3	25 27.8	23 4.0
17 W	23 38 6.4	26 22.0	20 45.2	3♍52.8	2 6.4	7 43.0	18 42.7	18 23.0	8 40.9	19 2.7	25 26.4	23 2.8
18 T	23 42 3.0	27 21.6	20 42.0	15 59.9	2 25.5	8 57.5	19 11.5	18 29.6	8 38.2	19 2.2	25 25.0	23 1.6
19 F	23 45 59.6	28 21.3	20 38.9	28 1.3	2 49.6	10 12.0	19 40.1	18 36.2	8 35.3	19 1.7	25 23.6	23 0.4
20 S	23 49 56.1	29 20.9	20 35.7	9♎58.3	3 18.4	11 26.5	20 8.5	18 43.1	8 32.3	19 1.3	25 22.1	22 59.3
21 S	23 53 52.7	0♈20.4	20 32.5	21 52.1	3 51.7	12 41.0	20 36.6	18 50.0	8 29.3	19 1.0	25 20.7	22 58.2
22 M	23 57 49.2	1 20.0	20 29.3	3♏44.2	4 29.2	13 55.4	21 4.6	18 57.2	8 26.2	19 0.6	25 19.2	22 57.0
23 T	0 1 45.8	2 19.4	20 26.2	15 36.6	5 10.6	15 9.8	21 32.4	19 4.4	8 23.0	19 0.4	25 17.8	22 56.0
24 W	0 5 42.3	3 18.9	20 23.0	27 32.0	5 55.7	16 24.2	22 0.0	19 11.8	8 19.8	19 0.2	25 16.3	22 54.9
25 T	0 9 38.9	4 18.3	20 19.8	9♐33.8	6 44.3	17 38.6	22 27.4	19 19.4	8 16.5	19 0.0	25 14.8	22 53.8
26 F	0 13 35.4	5 17.8	20 16.6	21 46.1	7 36.3	18 52.9	22 54.5	19 27.1	8 13.1	18 60.0	25 13.3	22 52.8
27 S	0 17 32.0	6 17.1	20 13.4	4♑13.4	8 31.3	20 7.2	23 21.5	19 34.9	8 9.6	18 59.9	25 11.7	22 51.8
28 S	0 21 28.5	7 16.5	20 10.3	17 0.6	9 29.2	21 21.5	23 48.1	19 42.9	8 6.1	18 59.9	25 10.2	22 50.8
29 M	0 25 25.1	8 15.8	20 7.1	0♒12.4	10 29.9	22 35.8	24 14.6	19 51.0	8 2.5	19D 0.0	25 8.6	22 49.9
30 T	0 29 21.6	9 15.1	20 3.9	13 52.1	11 33.2	23 50.1	24 40.8	19 59.2	7 58.8	19 0.1	25 7.1	22 48.9
31 W	0 33 18.2	10 14.3	20 0.7	28 1.5	12 39.1	25 4.3	25 6.7	20 7.6	7 55.1	19 0.3	25 5.5	22 48.0

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 M	22 35 1.6	7S40.8	21S42.7	21S45.2	4S19.5	6S 8.4	21S22.0	22N31.9	12S 7.0	22N32.6	8S20.4	23N14.0
4 T	22 46 51.3	6 32.0	21 44.2	6 39.7	5 42.7	4 38.6	21 37.3	22 33.6	12 5.1	22 33.1	8 19.1	23 15.4
7 S	22 58 40.9	5 22.3	21 45.7	12N24.6	7 8.9	3 7.7	21 51.5	22 35.4	12 2.8	22 33.5	8 17.7	23 16.7
10 W	23 10 30.6	4 12.1	21 47.2	24 37.3	8 24.9	1 36.0	22 4.8	22 37.3	12 0.3	22 33.9	8 16.3	23 17.9
13 S	23 22 20.2	3 1.4	21 48.7	23 27.8	9 23.3	0 3.9	22 17.1	22 39.3	11 57.6	22 34.2	8 14.8	23 19.0
16 T	23 34 9.9	1 50.4	21 50.1	11 55.6	10 1.2	1N28.4	22 28.5	22 41.4	11 54.7	22 34.4	8 13.2	23 20.0
19 F	23 45 59.6	0 39.3	21 51.6	3S26.4	10 18.6	3 0.4	22 39.1	22 43.6	11 51.5	22 34.6	8 11.6	23 21.0
22 M	23 57 49.2	0N31.8	21 53.0	17 22.3	10 16.6	4 31.9	22 48.9	22 45.8	11 48.1	22 34.7	8 10.0	23 21.9
25 T	0 9 38.9	1 42.7	21 54.4	25 10.3	9 56.8	6 2.6	22 57.8	22 48.0	11 44.6	22 34.7	8 8.3	23 22.6
28 S	0 21 28.5	2 53.3	21 55.8	22 40.7	9 20.5	7 32.1	23 6.1	22 50.3	11 40.9	22 34.7	8 6.5	23 23.3
31 W	0 33 18.2	4 3.3	21 57.2	9 17.0	8 29.3	9 0.0	23 13.8	22 52.6	11 37.0	22 34.6	8 4.8	23 23.9

APRIL 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 T	0 37 14.7	11♈13.6	19♑57.6	12♓39.3	13♓47.3	26♈18.5	25♐32.4	20♊16.1	7♏51.3	19♋ 0.5	25♎ 3.9	22♌47.1
2 F	0 41 11.3	12 12.8	19 54.4	27 40.4	14 57.8	27 32.6	25 57.8	20 24.7	7R47.4	19 0.8	25R 2.3	22R46.2
3 S	0 45 7.8	13 11.9	19 51.2	12♈56.4	16 10.4	28 46.8	26 23.0	20 33.4	7 43.5	19 1.2	25 0.7	22 45.4
4 S	0 49 4.4	14 11.1	19 48.0	28 16.2	17 25.2	0♉ 0.9	26 47.9	20 42.3	7 39.6	19 1.6	24 59.2	22 44.6
5 M	0 53 1.0	15 10.2	19 44.8	13♉28.0	18 42.0	1 15.0	27 12.5	20 51.3	7 35.6	19 2.1	24 57.6	22 43.8
6 T	0 56 57.5	16 9.3	19 41.7	28 22.0	20 0.7	2 29.1	27 36.7	21 0.5	7 31.6	19 2.6	24 55.9	22 43.0
7 W	1 0 54.1	17 8.3	19 38.5	12♊51.0	21 21.3	3 43.1	28 0.7	21 9.7	7 27.5	19 3.1	24 54.3	22 42.3
8 T	1 4 50.6	18 7.3	19 35.3	26 51.9	22 43.8	4 57.1	28 24.4	21 19.0	7 23.3	19 3.7	24 52.7	22 41.5
9 F	1 8 47.2	19 6.2	19 32.1	10♋24.7	24 8.0	6 11.0	28 47.8	21 28.5	7 19.1	19 4.4	24 51.0	22 40.8
10 S	1 12 43.7	20 5.1	19 29.0	23 31.8	25 34.0	7 24.9	29 10.8	21 38.1	7 14.9	19 5.1	24 49.4	22 40.1
11 S	1 16 40.3	21 4.0	19 25.8	6♌17.0	27 1.7	8 38.8	29 33.5	21 47.7	7 10.6	19 5.9	24 47.8	22 39.5
12 M	1 20 36.8	22 2.8	19 22.6	18 44.7	28 31.1	9 52.7	29 55.9	21 57.5	7 6.3	19 6.7	24 46.1	22 38.9
13 T	1 24 33.4	23 1.6	19 19.4	0♍59.1	0♈ 2.2	11 6.5	0♑18.0	22 7.4	7 2.0	19 7.6	24 44.5	22 38.3
14 W	1 28 29.9	24 0.4	19 16.2	13 4.1	1 34.9	12 20.3	0 39.7	22 17.4	6 57.6	19 8.5	24 42.8	22 37.7
15 T	1 32 26.5	24 59.1	19 13.1	25 2.8	3 9.3	13 34.0	1 1.1	22 27.5	6 53.2	19 9.5	24 41.2	22 37.1
16 F	1 36 23.0	25 57.8	19 9.9	6♎57.6	4 45.3	14 47.8	1 22.1	22 37.7	6 48.8	19 10.5	24 39.5	22 36.6
17 S	1 40 19.6	26 56.4	19 6.7	18 50.6	6 23.0	16 1.5	1 42.7	22 48.0	6 44.4	19 11.6	24 37.9	22 36.1
18 S	1 44 16.2	27 55.0	19 3.5	0♏43.3	8 2.3	17 15.1	2 3.0	22 58.4	6 39.9	19 12.7	24 36.3	22 35.7
19 M	1 48 12.7	28 53.6	19 0.4	12 36.8	9 43.3	18 28.7	2 22.9	23 8.9	6 35.4	19 13.9	24 34.6	22 35.2
20 T	1 52 9.3	29 52.2	18 57.2	24 32.8	11 25.9	19 42.3	2 42.4	23 19.5	6 30.9	19 15.2	24 33.0	22 34.8
21 W	1 56 5.8	0♉50.7	18 54.0	6♐33.0	13 10.1	20 55.9	3 1.5	23 30.2	6 26.4	19 16.4	24 31.3	22 34.4
22 T	2 0 2.4	1 49.2	18 50.8	18 39.6	14 56.0	22 9.4	3 20.1	23 41.0	6 21.8	19 17.8	24 29.7	22 34.1
23 F	2 3 58.9	2 47.7	18 47.6	0♑55.8	16 43.6	23 22.9	3 38.3	23 51.8	6 17.3	19 19.2	24 28.1	22 33.7
24 S	2 7 55.5	3 46.1	18 44.5	13 25.0	18 32.9	24 36.3	3 56.1	24 2.8	6 12.7	19 20.6	24 26.5	22 33.4
25 S	2 11 52.0	4 44.6	18 41.3	26 11.3	20 23.9	25 49.8	4 13.5	24 13.8	6 8.2	19 22.1	24 24.9	22 33.2
26 M	2 15 48.6	5 42.9	18 38.1	9♒18.8	22 16.5	27 3.2	4 30.4	24 24.9	6 3.7	19 23.7	24 23.3	22 32.9
27 T	2 19 45.1	6 41.3	18 34.9	22 51.2	24 10.8	28 16.6	4 46.8	24 36.1	5 59.1	19 25.2	24 21.7	22 32.7
28 W	2 23 41.7	7 39.6	18 31.8	6♓50.7	26 6.8	29 29.9	5 2.8	24 47.4	5 54.5	19 26.9	24 20.1	22 32.5
29 T	2 27 38.3	8 38.0	18 28.6	21 17.4	28 4.4	0♊43.2	5 18.2	24 58.8	5 50.0	19 28.5	24 18.5	22 32.4
30 F	2 31 34.8	9 36.2	18 25.4	6♈ 8.2	0♉ 3.7	1 56.5	5 33.1	25 10.2	5 45.4	19 30.3	24 16.9	22 32.2

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 T	0 37 14.7	4N26.6	21S57.7	3S 8.5	8S 9.1	9N29.0	23S16.2	22N53.4	11S35.6	22N34.5	8S 4.2	23N24.0
4 S	0 49 4.4	5 35.7	21 59.1	15N28.9	6 59.7	10 54.4	23 23.1	22 55.7	11 31.6	22 34.3	8 2.4	23 24.4
7 W	1 0 54.1	6 44.0	22 0.5	25 19.4	5 37.9	12 17.5	23 29.6	22 57.9	11 27.4	22 34.1	8 0.6	23 24.8
10 S	1 12 43.7	7 51.2	22 1.9	21 2.3	4 4.5	13 37.9	23 35.7	23 0.2	11 23.1	22 33.7	7 58.8	23 25.0
13 T	1 24 33.4	8 57.2	22 3.2	7 60.0	2 20.3	14 55.4	23 41.4	23 2.4	11 18.8	22 33.3	7 56.9	23 25.2
16 F	1 36 23.0	10 1.9	22 4.6	7S15.1	0 26.0	16 9.5	23 47.0	23 4.5	11 14.3	22 32.8	7 55.1	23 25.2
19 M	1 48 12.7	11 5.0	22 5.9	19 57.6	1N37.6	17 20.0	23 52.5	23 6.5	11 9.9	22 32.3	7 53.3	23 25.1
22 T	2 0 2.4	12 6.6	22 7.2	25 23.9	3 49.5	18 26.5	23 58.0	23 8.5	11 5.4	22 31.7	7 51.5	23 25.0
25 S	2 11 52.0	13 6.3	22 8.5	20 10.5	6 8.8	19 28.7	24 3.6	23 10.4	11 1.0	22 31.0	7 49.8	23 24.7
28 W	2 23 41.7	14 4.2	22 9.8	5 26.2	8 33.9	20 26.2	24 9.4	23 12.1	10 56.5	22 30.3	7 48.1	23 24.3

MAY 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 S	2 35 31.4	10♉34.5	18♑22.2	21♈16.6	2♉ 4.6	3♊ 9.7	5♑47.5	25♊21.7	5♏40.9	19♋32.0	24♎15.3	22♌32.1
2 S	2 39 27.9	11 32.7	18 19.1	6♉33.0	4 7.0	4 22.9	6 1.4	25 33.3	5R36.3	19 33.9	24R13.8	22 32.1
3 M	2 43 24.5	12 30.9	18 15.9	21 46.2	6 10.9	5 36.1	6 14.7	25 45.0	5 31.8	19 35.7	24 12.2	22 32.0
4 T	2 47 21.0	13 29.1	18 12.7	6♊45.6	8 16.3	6 49.2	6 27.4	25 56.8	5 27.3	19 37.6	24 10.7	22 32.0
5 W	2 51 17.6	14 27.3	18 9.5	21 22.8	10 22.9	8 2.3	6 39.6	26 8.6	5 22.8	19 39.6	24 9.2	22 32.0
6 T	2 55 14.1	15 25.4	18 6.3	5♋32.7	12 30.6	9 15.4	6 51.3	26 20.4	5 18.3	19 41.6	24 7.7	22 32.0
7 F	2 59 10.7	16 23.5	18 3.2	19 13.8	14 39.4	10 28.4	7 2.3	26 32.4	5 13.9	19 43.6	24 6.2	22D32.1
8 S	3 3 7.3	17 21.5	17 60.0	2♌27.2	16 49.0	11 41.4	7 12.7	26 44.4	5 9.5	19 45.7	24 4.7	22 32.2
9 S	3 7 3.8	18 19.5	17 56.8	15 16.2	18 59.2	12 54.4	7 22.6	26 56.5	5 5.1	19 47.8	24 3.2	22 32.3
10 M	3 11 0.4	19 17.5	17 53.6	27 45.0	21 9.7	14 7.3	7 31.8	27 8.6	5 0.7	19 50.0	24 1.8	22 32.5
11 T	3 14 56.9	20 15.5	17 50.5	9♍58.3	23 20.4	15 20.1	7 40.5	27 20.8	4 56.4	19 52.2	24 0.3	22 32.7
12 W	3 18 53.5	21 13.4	17 47.3	22 0.6	25 30.9	16 33.0	7 48.5	27 33.1	4 52.1	19 54.5	23 58.9	22 32.9
13 T	3 22 50.0	22 11.3	17 44.1	3♎56.1	27 41.0	17 45.7	7 55.8	27 45.4	4 47.9	19 56.8	23 57.5	22 33.1
14 F	3 26 46.6	23 9.2	17 40.9	15 48.3	29 50.4	18 58.5	8 2.5	27 57.8	4 43.6	19 59.1	23 56.1	22 33.4
15 S	3 30 43.1	24 7.0	17 37.7	27 40.2	1♊58.7	20 11.2	8 8.5	28 10.2	4 39.5	20 1.5	23 54.7	22 33.7
16 S	3 34 39.7	25 4.9	17 34.6	9♏34.1	4 5.9	21 23.9	8 14.0	28 22.7	4 35.4	20 3.9	23 53.4	22 34.0
17 M	3 38 36.3	26 2.7	17 31.4	21 31.7	6 11.4	22 36.5	8 18.6	28 35.2	4 31.3	20 6.4	23 52.1	22 34.4
18 T	3 42 32.8	27 0.4	17 28.2	3♐34.6	8 15.2	23 49.1	8 22.6	28 47.8	4 27.2	20 8.9	23 50.7	22 34.8
19 W	3 46 29.4	27 58.2	17 25.0	15 44.1	10 16.9	25 1.6	8 25.9	29 0.5	4 23.2	20 11.4	23 49.4	22 35.2
20 T	3 50 25.9	28 55.9	17 21.9	28 1.6	12 16.4	26 14.1	8 28.5	29 13.1	4 19.3	20 14.0	23 48.2	22 35.6
21 F	3 54 22.5	29 53.6	17 18.7	10♑29.1	14 13.6	27 26.5	8 30.4	29 25.9	4 15.4	20 16.6	23 46.9	22 36.1
22 S	3 58 19.0	0♊51.3	17 15.5	23 8.7	16 8.3	28 39.0	8 31.5	29 38.6	4 11.6	20 19.2	23 45.7	22 36.6
23 S	4 2 15.6	1 48.9	17 12.3	6♒ 2.9	18 0.3	29 51.3	8 31.9	29 51.5	4 7.8	20 21.9	23 44.4	22 37.1
24 M	4 6 12.2	2 46.6	17 9.2	19 14.4	19 49.7	1♋ 3.6	8R31.5	0♋ 4.3	4 4.1	20 24.6	23 43.2	22 37.6
25 T	4 10 8.7	3 44.2	17 6.0	2♓45.7	21 36.2	2 15.9	8 30.4	0 17.2	4 0.4	20 27.3	23 42.1	22 38.2
26 W	4 14 5.3	4 41.8	17 2.8	16 38.4	23 19.8	3 28.2	8 28.6	0 30.2	3 56.8	20 30.1	23 40.9	22 38.8
27 T	4 18 1.8	5 39.4	16 59.6	0♈52.7	25 0.5	4 40.4	8 25.9	0 43.2	3 53.3	20 32.9	23 39.8	22 39.4
28 F	4 21 58.4	6 37.0	16 56.4	15 26.8	26 38.3	5 52.5	8 22.5	0 56.2	3 49.8	20 35.8	23 38.7	22 40.1
29 S	4 25 54.9	7 34.6	16 53.3	0♉16.2	28 13.0	7 4.7	8 18.4	1 9.3	3 46.4	20 38.6	23 37.6	22 40.8
30 S	4 29 51.5	8 32.2	16 50.1	15 14.1	29 44.7	8 16.7	8 13.4	1 22.4	3 43.0	20 41.5	23 36.5	22 41.5
31 M	4 33 48.1	9 29.7	16 46.9	0♊11.8	1♋13.3	9 28.8	8 7.7	1 35.5	3 39.8	20 44.5	23 35.5	22 42.2

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 S	2 35 31.4	14N59.9	22S11.1	12N57.5	11N 2.9	21N18.9	24S15.5	23N13.8	10S52.1	22N29.5	7S46.4	23N23.9
4 T	2 47 21.0	15 53.5	22 12.4	24 39.2	13 32.8	22 6.3	24 22.1	23 15.3	10 47.8	22 28.7	7 44.7	23 23.3
7 F	2 59 10.7	16 44.6	22 13.7	21 50.1	15 59.8	22 48.2	24 29.2	23 16.6	10 43.6	22 27.7	7 43.1	23 22.7
10 M	3 11 0.4	17 33.3	22 15.0	9 6.1	18 19.0	23 24.4	24 36.9	23 17.8	10 39.5	22 26.8	7 41.5	23 22.0
13 T	3 22 50.0	18 19.2	22 16.2	6S 7.5	20 25.0	23 54.7	24 45.3	23 18.8	10 35.5	22 25.7	7 40.0	23 21.2
16 S	3 34 39.7	19 2.5	22 17.5	19 6.3	22 12.7	24 18.8	24 54.5	23 19.7	10 31.7	22 24.6	7 38.6	23 20.2
19 W	3 46 29.4	19 42.8	22 18.7	25 13.2	23 38.3	24 36.7	25 4.4	23 20.4	10 28.0	22 23.5	7 37.2	23 19.2
22 S	3 58 19.0	20 20.1	22 19.9	20 46.8	24 40.5	24 48.2	25 15.2	23 20.9	10 24.5	22 22.3	7 35.9	23 18.2
25 T	4 10 8.7	20 54.3	22 21.1	6 56.6	25 19.6	24 53.3	25 26.8	23 21.3	10 21.2	22 21.1	7 34.7	23 17.0
28 F	4 21 58.4	21 25.2	22 22.3	10N50.8	25 37.5	24 51.9	25 39.2	23 21.4	10 18.1	22 19.7	7 33.5	23 15.8
31 M	4 33 48.1	21 52.8	22 23.5	23 46.6	25 36.7	24 44.1	25 52.3	23 21.3	10 15.3	22 18.4	7 32.5	23 14.5

JUNE 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 T	4 37 44.6	10♊27.2	16♑43.7	15♊ 0.5	2♋38.8	10♋40.8	8♑ 1.3	1♋48.7	3♏36.6	20♋47.4	23♎34.5	22♌43.0
2 W	4 41 41.2	11 24.7	16 40.6	29 32.5	4 1.1	11 52.7	7R54.1	2 1.9	3R33.4	20 50.4	23R33.5	22 43.8
3 T	4 45 37.7	12 22.2	16 37.4	13♋41.9	5 20.3	13 4.6	7 46.1	2 15.1	3 30.4	20 53.5	23 32.5	22 44.6
4 F	4 49 34.3	13 19.7	16 34.2	27 25.8	6 36.2	14 16.4	7 37.5	2 28.4	3 27.4	20 56.5	23 31.6	22 45.4
5 S	4 53 30.8	14 17.1	16 31.0	10♌43.8	7 48.9	15 28.2	7 28.1	2 41.7	3 24.5	20 59.6	23 30.7	22 46.3
6 S	4 57 27.4	15 14.6	16 27.9	23 37.7	8 58.3	16 40.0	7 18.0	2 55.1	3 21.8	21 2.8	23 29.9	22 47.2
7 M	5 1 24.0	16 12.0	16 24.7	6♍10.6	10 4.2	17 51.7	7 7.3	3 8.4	3 19.0	21 5.9	23 29.0	22 48.2
8 T	5 5 20.5	17 9.4	16 21.5	18 26.6	11 6.6	19 3.3	6 55.8	3 21.8	3 16.4	21 9.1	23 28.2	22 49.1
9 W	5 9 17.1	18 6.8	16 18.3	0♎30.2	12 5.6	20 14.9	6 43.7	3 35.2	3 13.8	21 12.3	23 27.4	22 50.1
10 T	5 13 13.6	19 4.2	16 15.2	12 26.2	13 0.9	21 26.4	6 31.0	3 48.6	3 11.3	21 15.5	23 26.6	22 51.1
11 F	5 17 10.2	20 1.5	16 12.0	24 18.6	13 52.5	22 37.9	6 17.7	4 2.0	3 8.9	21 18.7	23 25.9	22 52.1
12 S	5 21 6.7	20 58.8	16 8.8	6♏11.5	14 40.3	23 49.3	6 3.8	4 15.5	3 6.6	21 22.0	23 25.2	22 53.1
13 S	5 25 3.3	21 56.2	16 5.6	18 8.2	15 24.2	25 0.7	5 49.4	4 28.9	3 4.4	21 25.2	23 24.5	22 54.2
14 M	5 28 59.9	22 53.5	16 2.4	0♐11.3	16 4.1	26 12.0	5 34.4	4 42.4	3 2.2	21 28.6	23 23.8	22 55.3
15 T	5 32 56.4	23 50.7	15 59.3	12 22.9	16 39.9	27 23.2	5 18.9	4 55.9	3 0.2	21 31.9	23 23.2	22 56.4
16 W	5 36 53.0	24 48.0	15 56.1	24 44.7	17 11.6	28 34.3	5 2.9	5 9.5	2 58.2	21 35.2	23 22.6	22 57.5
17 T	5 40 49.5	25 45.3	15 52.9	7♑17.9	17 39.0	29 45.4	4 46.6	5 23.0	2 56.3	21 38.6	23 22.0	22 58.7
18 F	5 44 46.1	26 42.5	15 49.7	20 3.2	18 2.0	0♌56.5	4 29.8	5 36.5	2 54.5	21 42.0	23 21.5	22 59.9
19 S	5 48 42.7	27 39.8	15 46.6	3♒ 1.4	18 20.6	2 7.5	4 12.6	5 50.1	2 52.8	21 45.4	23 21.0	23 1.1
20 S	5 52 39.2	28 37.0	15 43.4	16 13.2	18 34.7	3 18.4	3 55.1	6 3.7	2 51.2	21 48.8	23 20.5	23 2.3
21 M	5 56 35.8	29 34.3	15 40.2	29 39.0	18 44.2	4 29.2	3 37.3	6 17.3	2 49.7	21 52.2	23 20.1	23 3.5
22 T	6 0 32.3	0♋31.5	15 37.0	13♓19.2	18 49.2	5 40.0	3 19.2	6 30.9	2 48.3	21 55.7	23 19.6	23 4.8
23 W	6 4 28.9	1 28.7	15 33.9	27 13.7	18 49.6	6 50.8	3 1.0	6 44.5	2 47.0	21 59.2	23 19.3	23 6.1
24 T	6 8 25.4	2 26.0	15 30.7	11♈21.8	18R45.4	8 1.4	2 42.5	6 58.1	2 45.7	22 2.7	23 18.9	23 7.4
25 F	6 12 22.0	3 23.2	15 27.5	25 41.7	18 36.9	9 12.0	2 23.9	7 11.7	2 44.6	22 6.2	23 18.6	23 8.7
26 S	6 16 18.6	4 20.5	15 24.3	10♉10.4	18 24.0	10 22.5	2 5.3	7 25.3	2 43.5	22 9.7	23 18.3	23 10.1
27 S	6 20 15.1	5 17.7	15 21.2	24 43.5	18 7.0	11 33.1	1 46.6	7 39.0	2 42.7	22 13.3	23 18.1	23 11.5
28 M	6 24 11.7	6 15.0	15 18.0	9♊15.7	17 46.0	12 43.5	1 27.9	7 52.6	2 41.8	22 16.8	23 17.8	23 12.9
29 T	6 28 8.2	7 12.2	15 14.8	23 41.3	17 21.4	13 53.8	1 9.3	8 6.2	2 41.1	22 20.4	23 17.6	23 14.3
30 W	6 32 4.8	8 9.4	15 11.6	7♋54.8	16 53.5	15 4.0	0 50.8	8 19.9	2 40.4	22 23.9	23 17.5	23 15.7

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 T	4 37 44.6	22N 1.3	22S23.9	25N11.4	25N32.8	24N40.0	25S56.8	23N21.2	10S14.4	22N17.9	7S32.1	23N14.1
4 F	4 49 34.3	22 24.3	22 25.1	19 34.8	25 11.7	24 23.7	26 10.6	23 20.9	10 11.9	22 16.5	7 31.2	23 12.7
7 M	5 1 24.0	22 43.8	22 26.2	5 27.9	24 38.8	24 1.2	26 24.8	23 20.4	10 9.6	22 15.1	7 30.4	23 11.2
10 T	5 13 13.6	22 59.7	22 27.4	9S42.9	23 56.9	23 32.6	26 39.1	23 19.6	10 7.6	22 13.5	7 29.6	23 9.7
13 S	5 25 3.3	23 12.0	22 28.5	21 26.1	23 8.9	22 58.1	26 53.3	23 18.6	10 5.9	22 12.0	7 29.0	23 8.2
16 W	5 36 53.0	23 20.6	22 29.7	25 8.3	22 17.3	22 18.1	27 7.1	23 17.5	10 4.5	22 10.4	7 28.4	23 6.6
19 S	5 48 42.7	23 25.5	22 30.8	17 52.7	21 24.8	21 32.6	27 20.3	23 16.1	10 3.4	22 8.8	7 27.9	23 4.9
22 T	6 0 32.3	23 26.7	22 31.9	2 24.2	20 34.0	20 41.9	27 32.5	23 14.5	10 2.5	22 7.1	7 27.6	23 3.2
25 F	6 12 22.0	23 24.1	22 33.0	14N44.8	19 47.3	19 46.5	27 43.7	23 12.6	10 2.0	22 5.5	7 27.3	23 1.4
28 M	6 24 11.7	23 17.9	22 34.1	24 52.5	19 7.2	18 46.4	27 53.5	23 10.6	10 1.8	22 3.7	7 27.2	22 59.6

JULY 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 T	6 36 1.4	9♋ 6.7	15♑ 8.4	21♋51.5	16♋22.8	16♌14.2	0♑32.5	8♋33.5	2♏39.8	22♋27.5	23♎17.3	23♌17.2
2 F	6 39 57.9	10 3.9	15 5.3	5♌28.2	15R49.7	17 24.3	0R14.4	8 47.1	2R39.4	22 31.1	23R17.2	23 18.7
3 S	6 43 54.5	11 1.1	15 2.1	18 43.5	15 14.6	18 34.4	29♐56.5	9 0.7	2 39.0	22 34.7	23 17.2	23 20.1
4 S	6 47 51.0	11 58.3	14 58.9	1♍37.6	14 38.3	19 44.3	29 39.0	9 14.3	2 38.8	22 38.3	23 17.1	23 21.6
5 M	6 51 47.6	12 55.6	14 55.7	14 12.3	14 1.2	20 54.2	29 21.8	9 28.0	2 38.6	22 41.9	23 17.1	23 23.2
6 T	6 55 44.1	13 52.8	14 52.6	26 30.5	13 24.1	22 3.9	29 5.0	9 41.6	2 38.6	22 45.6	23 17.1	23 24.7
7 W	6 59 40.7	14 50.0	14 49.4	8♎36.0	12 47.5	23 13.6	28 48.6	9 55.1	2 38.6	22 49.2	23D17.2	23 26.3
8 T	7 3 37.3	15 47.2	14 46.2	20 33.1	12 12.0	24 23.2	28 32.8	10 8.7	2D38.7	22 52.8	23 17.3	23 27.8
9 F	7 7 33.8	16 44.4	14 43.0	2♏26.4	11 38.4	25 32.8	28 17.4	10 22.3	2 39.0	22 56.5	23 17.4	23 29.4
10 S	7 11 30.4	17 41.6	14 39.9	14 20.3	11 7.3	26 42.2	28 2.6	10 35.9	2 39.3	23 0.1	23 17.6	23 31.0
11 S	7 15 26.9	18 38.8	14 36.7	26 19.2	10 39.0	27 51.5	27 48.3	10 49.4	2 39.7	23 3.8	23 17.8	23 32.6
12 M	7 19 23.5	19 36.0	14 33.5	8♐26.8	10 14.3	29 0.7	27 34.7	11 2.9	2 40.3	23 7.4	23 18.0	23 34.3
13 T	7 23 20.1	20 33.2	14 30.3	20 46.4	9 53.5	0♍ 9.8	27 21.7	11 16.4	2 40.9	23 11.1	23 18.2	23 35.9
14 W	7 27 16.6	21 30.4	14 27.2	3♑20.2	9 37.1	1 18.9	27 9.3	11 29.9	2 41.6	23 14.7	23 18.5	23 37.6
15 T	7 31 13.2	22 27.6	14 24.0	16 10.0	9 25.4	2 27.8	26 57.7	11 43.4	2 42.4	23 18.4	23 18.8	23 39.3
16 F	7 35 9.7	23 24.8	14 20.8	29 16.1	9 18.6	3 36.6	26 46.7	11 56.9	2 43.4	23 22.1	23 19.2	23 41.0
17 S	7 39 6.3	24 22.1	14 17.6	12♒38.1	9 17.1	4 45.3	26 36.5	12 10.3	2 44.4	23 25.7	23 19.6	23 42.7
18 S	7 43 2.8	25 19.3	14 14.4	26 14.7	9D21.1	5 54.0	26 27.1	12 23.8	2 45.6	23 29.4	23 20.0	23 44.4
19 M	7 46 59.4	26 16.6	14 11.3	10♓ 4.0	9 30.6	7 2.4	26 18.3	12 37.2	2 46.8	23 33.1	23 20.5	23 46.1
20 T	7 50 56.0	27 13.8	14 8.1	24 3.3	9 45.7	8 10.8	26 10.4	12 50.6	2 48.1	23 36.7	23 20.9	23 47.9
21 W	7 54 52.5	28 11.1	14 4.9	8♈10.2	10 6.5	9 19.1	26 3.2	13 3.9	2 49.5	23 40.4	23 21.4	23 49.6
22 T	7 58 49.1	29 8.4	14 1.7	22 21.9	10 33.1	10 27.2	25 56.8	13 17.3	2 51.0	23 44.0	23 22.0	23 51.4
23 F	8 2 45.6	0♌ 5.7	13 58.6	6♉35.8	11 5.5	11 35.3	25 51.3	13 30.6	2 52.6	23 47.7	23 22.5	23 53.2
24 S	8 6 42.2	1 3.0	13 55.4	20 49.5	11 43.6	12 43.2	25 46.5	13 43.8	2 54.3	23 51.3	23 23.1	23 55.0
25 S	8 10 38.7	2 0.3	13 52.2	5♊ 0.5	12 27.4	13 51.0	25 42.6	13 57.1	2 56.1	23 55.0	23 23.8	23 56.8
26 M	8 14 35.3	2 57.6	13 49.0	19 6.4	13 16.8	14 58.7	25 39.5	14 10.3	2 57.9	23 58.6	23 24.4	23 58.6
27 T	8 18 31.9	3 55.0	13 45.9	3♋ 4.6	14 11.8	16 6.3	25 37.3	14 23.5	2 59.9	24 2.2	23 25.1	24 0.4
28 W	8 22 28.4	4 52.4	13 42.7	16 52.4	15 12.3	17 13.7	25 35.9	14 36.7	3 2.0	24 5.8	23 25.9	24 2.2
29 T	8 26 25.0	5 49.8	13 39.5	0♌27.5	16 18.2	18 21.0	25 35.3	14 49.8	3 4.2	24 9.5	23 26.6	24 4.0
30 F	8 30 21.5	6 47.1	13 36.3	13 47.8	17 29.4	19 28.2	25D35.6	15 2.9	3 6.4	24 13.1	23 27.4	24 5.9
31 S	8 34 18.1	7 44.6	13 33.1	26 51.9	18 45.8	20 35.2	25 36.8	15 15.9	3 8.8	24 16.6	23 28.2	24 7.7

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 T	6 36 1.4	23N 7.9	22S35.2	21N 1.4	18N35.7	17N42.1	28S 1.9	23N 8.4	10S 1.8	22N 2.0	7S27.2	22N57.8
4 S	6 47 51.0	22 54.3	22 36.2	7 17.4	18 14.8	16 33.9	28 8.7	23 5.9	10 2.2	22 0.2	7 27.2	22 56.0
7 W	6 59 40.7	22 37.2	22 37.3	8S14.1	18 5.4	15 22.2	28 14.0	23 3.3	10 2.9	21 58.4	7 27.4	22 54.1
10 S	7 11 30.4	22 16.5	22 38.3	20 31.8	18 7.9	14 7.1	28 17.9	23 0.4	10 3.9	21 56.6	7 27.7	22 52.2
13 T	7 23 20.1	21 52.4	22 39.4	25 16.3	18 21.6	12 49.1	28 20.5	22 57.4	10 5.2	21 54.8	7 28.1	22 50.3
16 F	7 35 9.7	21 24.9	22 40.4	19 1.0	18 44.8	11 28.5	28 21.9	22 54.1	10 6.8	21 52.9	7 28.6	22 48.3
19 M	7 46 59.4	20 54.1	22 41.4	3 46.8	19 14.9	10 5.6	28 22.2	22 50.7	10 8.7	21 51.1	7 29.2	22 46.4
22 T	7 58 49.1	20 20.1	22 42.4	13N32.6	19 48.5	8 40.7	28 21.8	22 47.1	10 10.9	21 49.2	7 29.9	22 44.4
25 S	8 10 38.7	19 43.1	22 43.4	24 26.9	20 21.5	7 14.0	28 20.6	22 43.4	10 13.4	21 47.4	7 30.7	22 42.5
28 W	8 22 28.4	19 3.1	22 44.4	22 11.2	20 49.4	5 45.9	28 18.8	22 39.5	10 16.2	21 45.5	7 31.6	22 40.6
31 S	8 34 18.1	18 20.3	22 45.3	9 15.1	21 7.3	4 16.7	28 16.6	22 35.4	10 19.2	21 43.6	7 32.7	22 38.6

AUGUST 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 S	8 38 14.6	8♌42.0	13♑30.0	9♍39.3	20♋ 7.1	21♍42.1	25♐38.8	15♋29.0	3♏11.2	24♋20.2	23♎29.1	24♌ 9.6
2 M	8 42 11.2	9 39.4	13 26.8	22 10.6	21 33.3	22 48.8	25 41.7	15 41.9	3 13.8	24 23.8	23 30.0	24 11.4
3 T	8 46 7.7	10 36.9	13 23.6	4♎27.4	23 4.0	23 55.4	25 45.4	15 54.9	3 16.4	24 27.4	23 30.9	24 13.3
4 W	8 50 4.3	11 34.3	13 20.4	16 32.4	24 39.2	25 1.8	25 49.9	16 7.8	3 19.1	24 30.9	23 31.8	24 15.2
5 T	8 54 0.9	12 31.8	13 17.3	28 29.2	26 18.5	26 8.1	25 55.2	16 20.6	3 21.9	24 34.4	23 32.8	24 17.1
6 F	8 57 57.4	13 29.3	13 14.1	10♏22.0	28 1.6	27 14.2	26 1.4	16 33.4	3 24.8	24 38.0	23 33.8	24 19.0
7 S	9 1 54.0	14 26.8	13 10.9	22 15.3	29 48.3	28 20.2	26 8.4	16 46.2	3 27.8	24 41.5	23 34.8	24 20.9
8 S	9 5 50.5	15 24.3	13 7.7	4♐14.1	1♌38.2	29 26.0	26 16.2	16 58.9	3 30.9	24 45.0	23 35.9	24 22.8
9 M	9 9 47.1	16 21.8	13 4.6	16 23.0	3 30.9	0♎31.6	26 24.8	17 11.6	3 34.1	24 48.5	23 37.0	24 24.7
10 T	9 13 43.6	17 19.4	13 1.4	28 46.5	5 26.0	1 37.0	26 34.1	17 24.2	3 37.3	24 51.9	23 38.1	24 26.6
11 W	9 17 40.2	18 16.9	12 58.2	11♑28.2	7 23.2	2 42.2	26 44.2	17 36.8	3 40.6	24 55.4	23 39.3	24 28.5
12 T	9 21 36.7	19 14.5	12 55.0	24 30.6	9 22.0	3 47.2	26 55.1	17 49.3	3 44.0	24 58.8	23 40.4	24 30.4
13 F	9 25 33.3	20 12.1	12 51.8	7♒54.7	11 22.2	4 52.0	27 6.6	18 1.8	3 47.5	25 2.2	23 41.6	24 32.3
14 S	9 29 29.9	21 9.7	12 48.7	21 39.8	13 23.3	5 56.6	27 18.9	18 14.2	3 51.1	25 5.6	23 42.9	24 34.2
15 S	9 33 26.4	22 7.3	12 45.5	5♓43.2	15 25.1	7 1.0	27 31.9	18 26.5	3 54.8	25 8.9	23 44.1	24 36.2
16 M	9 37 23.0	23 4.9	12 42.3	20 0.5	17 27.2	8 5.2	27 45.6	18 38.8	3 58.5	25 12.3	23 45.4	24 38.1
17 T	9 41 19.5	24 2.6	12 39.1	4♈26.3	19 29.3	9 9.2	28 0.0	18 51.1	4 2.3	25 15.6	23 46.7	24 40.0
18 W	9 45 16.1	25 0.3	12 36.0	18 54.6	21 31.1	10 12.9	28 15.1	19 3.3	4 6.2	25 18.9	23 48.0	24 41.9
19 T	9 49 12.6	25 58.0	12 32.8	3♉20.1	23 32.6	11 16.4	28 30.8	19 15.4	4 10.2	25 22.2	23 49.4	24 43.8
20 F	9 53 9.2	26 55.8	12 29.6	17 38.7	25 33.5	12 19.7	28 47.2	19 27.5	4 14.3	25 25.5	23 50.8	24 45.7
21 S	9 57 5.7	27 53.6	12 26.4	1♊47.6	27 33.5	13 22.8	29 4.2	19 39.5	4 18.4	25 28.7	23 52.2	24 47.7
22 S	10 1 2.3	28 51.4	12 23.2	15 45.3	29 32.7	14 25.6	29 21.8	19 51.4	4 22.6	25 31.9	23 53.6	24 49.6
23 M	10 4 58.8	29 49.2	12 20.1	29 31.3	1♍30.9	15 28.1	29 40.1	20 3.3	4 26.9	25 35.1	23 55.1	24 51.5
24 T	10 8 55.4	0♍47.1	12 16.9	13♋ 5.7	3 28.0	16 30.4	29 58.9	20 15.1	4 31.3	25 38.2	23 56.6	24 53.4
25 W	10 12 52.0	1 44.9	12 13.7	26 28.6	5 23.9	17 32.4	0♑18.4	20 26.8	4 35.7	25 41.4	23 58.1	24 55.3
26 T	10 16 48.5	2 42.9	12 10.5	9♌39.9	7 18.7	18 34.2	0 38.4	20 38.5	4 40.2	25 44.5	23 59.6	24 57.2
27 F	10 20 45.1	3 40.8	12 7.4	22 39.3	9 12.2	19 35.7	0 59.1	20 50.1	4 44.8	25 47.6	24 1.2	24 59.1
28 S	10 24 41.6	4 38.8	12 4.2	5♍26.7	11 4.5	20 36.9	1 20.3	21 1.6	4 49.5	25 50.6	24 2.8	25 1.0
29 S	10 28 38.2	5 36.8	12 1.0	18 1.6	12 55.5	21 37.8	1 42.1	21 13.1	4 54.3	25 53.7	24 4.4	25 3.0
30 M	10 32 34.7	6 34.9	11 57.8	0♎24.3	14 45.2	22 38.4	2 4.4	21 24.4	4 59.1	25 56.7	24 6.1	25 4.9
31 T	10 36 31.3	7 32.9	11 54.6	12 35.7	16 33.7	23 38.6	2 27.2	21 35.7	5 3.9	25 59.7	24 7.7	25 6.8

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 S	8 38 14.6	18N 5.4	22S45.7	3N58.7	21N10.1	3N46.8	28S15.8	22N34.0	10S20.3	21N43.0	7S33.0	22N38.0
4 W	8 50 4.3	17 19.0	22 46.6	11S18.9	21 6.6	2 16.6	28 13.1	22 29.7	10 23.6	21 41.2	7 34.2	22 36.0
7 S	9 1 54.0	16 30.1	22 47.6	22 19.3	20 42.0	0 45.9	28 10.1	22 25.4	10 27.3	21 39.3	7 35.4	22 34.1
10 T	9 13 43.6	15 38.8	22 48.5	24 51.1	19 53.9	0S44.9	28 6.9	22 20.8	10 31.2	21 37.5	7 36.8	22 32.2
13 F	9 25 33.3	14 45.3	22 49.4	16 17.6	18 42.3	2 15.6	28 3.3	22 16.2	10 35.3	21 35.7	7 38.2	22 30.4
16 M	9 37 23.0	13 49.6	22 50.3	0N22.4	17 9.5	3 45.8	27 59.4	22 11.5	10 39.7	21 33.9	7 39.7	22 28.6
19 T	9 49 12.6	12 52.0	22 51.2	17 12.0	15 19.5	5 15.4	27 55.1	22 6.7	10 44.3	21 32.2	7 41.3	22 26.8
22 S	10 1 2.3	11 52.5	22 52.1	25 6.6	13 16.6	6 44.1	27 50.4	22 1.9	10 49.0	21 30.5	7 43.0	22 25.0
25 W	10 12 52.0	10 51.3	22 53.0	19 46.0	11 5.1	8 11.6	27 45.2	21 57.0	10 54.0	21 28.8	7 44.7	22 23.3
28 S	10 24 41.6	9 48.6	22 53.9	5 47.1	8 48.3	9 37.6	27 39.3	21 52.0	10 59.2	21 27.1	7 46.5	22 21.6
31 T	10 36 31.3	8 44.4	22 54.7	9S39.4	6 28.8	11 1.9	27 32.7	21 47.0	11 4.6	21 25.5	7 48.4	22 20.0

SEPTEMBER 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 W	10 40 27.8	8♍31.0	11♑51.5	24♎37.3	18♍20.9	24♎38.5	2♑50.6	21♋46.9	5♏ 8.9	26♋ 2.6	24♎ 9.4	25♌ 8.6
2 T	10 44 24.4	9 29.1	11 48.3	6♏31.7	20 6.8	25 38.1	3 14.5	21 58.0	5 13.9	26 5.5	24 11.1	25 10.5
3 F	10 48 20.9	10 27.2	11 45.1	18 22.4	21 51.5	26 37.3	3 38.9	22 9.1	5 18.9	26 8.4	24 12.8	25 12.4
4 S	10 52 17.5	11 25.3	11 41.9	0♐13.5	23 34.9	27 36.1	4 3.7	22 20.0	5 24.1	26 11.2	24 14.5	25 14.2
5 S	10 56 14.0	12 23.5	11 38.8	12 9.9	25 17.2	28 34.5	4 29.1	22 30.9	5 29.3	26 14.0	24 16.3	25 16.1
6 M	11 0 10.6	13 21.7	11 35.6	24 16.6	26 58.2	29 32.6	4 54.9	22 41.7	5 34.5	26 16.8	24 18.1	25 17.9
7 T	11 4 7.1	14 19.9	11 32.4	6♑38.9	28 38.0	0♏30.2	5 21.1	22 52.4	5 39.9	26 19.5	24 19.9	25 19.8
8 W	11 8 3.7	15 18.2	11 29.2	19 21.7	0♎16.7	1 27.4	5 47.9	23 3.0	5 45.3	26 22.2	24 21.7	25 21.6
9 T	11 12 0.3	16 16.4	11 26.0	2♒28.7	1 54.2	2 24.1	6 15.0	23 13.5	5 50.7	26 24.9	24 23.5	25 23.4
10 F	11 15 56.8	17 14.7	11 22.9	16 2.4	3 30.6	3 20.4	6 42.6	23 23.9	5 56.2	26 27.5	24 25.4	25 25.2
11 S	11 19 53.4	18 13.1	11 19.7	0♓ 2.7	5 5.9	4 16.2	7 10.5	23 34.2	6 1.8	26 30.1	24 27.3	25 27.0
12 S	11 23 49.9	19 11.4	11 16.5	14 26.8	6 40.0	5 11.5	7 38.9	23 44.4	6 7.4	26 32.6	24 29.2	25 28.8
13 M	11 27 46.5	20 9.8	11 13.3	29 9.0	8 13.0	6 6.3	8 7.6	23 54.6	6 13.1	26 35.1	24 31.1	25 30.6
14 T	11 31 43.0	21 8.2	11 10.2	14♈ 1.5	9 44.9	7 0.6	8 36.8	24 4.6	6 18.8	26 37.6	24 33.0	25 32.4
15 W	11 35 39.6	22 6.7	11 7.0	28 55.3	11 15.8	7 54.3	9 6.3	24 14.5	6 24.6	26 40.1	24 34.9	25 34.1
16 T	11 39 36.1	23 5.1	11 3.8	13♉41.9	12 45.5	8 47.5	9 36.1	24 24.3	6 30.4	26 42.5	24 36.9	25 35.9
17 F	11 43 32.7	24 3.7	11 0.6	28 15.0	14 14.1	9 40.0	10 6.4	24 34.0	6 36.3	26 44.8	24 38.9	25 37.6
18 S	11 47 29.2	25 2.2	10 57.4	12♊30.3	15 41.6	10 32.0	10 36.9	24 43.6	6 42.3	26 47.1	24 40.9	25 39.3
19 S	11 51 25.8	26 0.9	10 54.3	26 26.4	17 8.0	11 23.3	11 7.9	24 53.2	6 48.3	26 49.5	24 42.9	25 41.1
20 M	11 55 22.3	26 59.5	10 51.1	10♋ 3.6	18 33.3	12 14.0	11 39.1	25 2.6	6 54.4	26 51.7	24 44.9	25 42.8
21 T	11 59 18.9	27 58.2	10 47.9	23 23.6	19 57.4	13 4.0	12 10.7	25 11.8	7 0.5	26 53.9	24 47.0	25 44.5
22 W	12 3 15.4	28 56.9	10 44.7	6♌28.3	21 20.3	13 53.3	12 42.6	25 21.0	7 6.6	26 56.1	24 49.0	25 46.1
23 T	12 7 12.0	29 55.6	10 41.6	19 19.9	22 42.1	14 41.9	13 14.8	25 30.1	7 12.8	26 58.2	24 51.1	25 47.8
24 F	12 11 8.5	0♎54.4	10 38.4	2♍ 0.1	24 2.5	15 29.7	13 47.4	25 39.0	7 19.0	27 0.2	24 53.2	25 49.4
25 S	12 15 5.1	1 53.2	10 35.2	14 30.0	25 21.7	16 16.8	14 20.2	25 47.8	7 25.3	27 2.3	24 55.2	25 51.0
26 S	12 19 1.7	2 52.0	10 32.0	26 50.5	26 39.6	17 3.0	14 53.4	25 56.5	7 31.7	27 4.2	24 57.3	25 52.6
27 M	12 22 58.2	3 50.9	10 28.8	9♎ 2.1	27 56.0	17 48.3	15 26.8	26 5.0	7 38.0	27 6.2	24 59.5	25 54.2
28 T	12 26 54.8	4 49.8	10 25.7	21 5.7	29 11.0	18 32.8	16 0.5	26 13.5	7 44.4	27 8.0	25 1.6	25 55.8
29 W	12 30 51.3	5 48.8	10 22.5	3♏ 2.3	0♏24.4	19 16.4	16 34.5	26 21.8	7 50.9	27 9.9	25 3.7	25 57.4
30 T	12 34 47.9	6 47.7	10 19.3	14 53.7	1 36.2	19 59.0	17 8.8	26 29.9	7 57.4	27 11.7	25 5.8	25 58.9

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 W	10 40 27.8	8N22.7	22S55.0	14S10.4	5N42.1	11S29.6	27S30.3	21N45.3	11S 6.4	21N25.0	7S49.1	22N19.5
4 S	10 52 17.5	7 16.9	22 55.8	23 34.8	3 22.3	12 51.2	27 22.6	21 40.3	11 12.0	21 23.4	7 51.1	22 17.9
7 T	11 4 7.1	6 10.1	22 56.7	23 49.7	1 3.9	14 10.5	27 14.0	21 35.4	11 17.8	21 21.9	7 53.1	22 16.4
10 F	11 15 56.8	5 2.4	22 57.5	13 22.4	1S11.9	15 27.1	27 4.4	21 30.4	11 23.7	21 20.5	7 55.2	22 15.0
13 M	11 27 46.5	3 53.9	22 58.3	4N 9.7	3 24.3	16 40.9	26 53.7	21 25.5	11 29.7	21 19.1	7 57.4	22 13.6
16 T	11 39 36.1	2 44.7	22 59.1	20 2.5	5 32.3	17 51.5	26 41.8	21 20.6	11 35.8	21 17.8	7 59.6	22 12.3
19 S	11 51 25.8	1 35.1	22 59.9	24 44.1	7 35.4	18 58.8	26 28.6	21 15.8	11 42.1	21 16.5	8 1.8	22 11.1
22 W	12 3 15.4	0 25.1	23 0.6	16 36.7	9 32.8	20 2.5	26 14.1	21 11.2	11 48.5	21 15.4	8 4.1	22 9.9
25 S	12 15 5.1	0S45.0	23 1.4	1 58.8	11 23.6	21 2.4	25 58.1	21 6.6	11 54.9	21 14.3	8 6.4	22 8.8
28 T	12 26 54.8	1 55.2	23 2.2	12S46.9	13 6.9	21 58.2	25 40.7	21 2.2	12 1.5	21 13.2	8 8.8	22 7.9

OCTOBER 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 F	12 38 44.4	7♎46.7	10♑16.1	26♏42.4	2♏46.2	20♏40.5	17♑43.3	26♋38.0	8♏ 3.9	27♋13.4	25♎ 8.0	26♌ 0.4
2 S	12 42 41.0	8 45.8	10 13.0	8♐31.7	3 54.3	21 21.1	18 18.1	26 45.9	8 10.5	27 15.1	25 10.2	26 1.9
3 S	12 46 37.5	9 44.9	10 9.8	20 25.7	5 0.5	22 0.5	18 53.1	26 53.7	8 17.1	27 16.8	25 12.3	26 3.4
4 M	12 50 34.1	10 44.0	10 6.6	2♑29.4	6 4.4	22 38.8	19 28.4	27 1.3	8 23.7	27 18.4	25 14.5	26 4.9
5 T	12 54 30.6	11 43.1	10 3.4	14 47.9	7 6.1	23 15.9	20 4.0	27 8.8	8 30.4	27 19.9	25 16.7	26 6.3
6 W	12 58 27.2	12 42.2	10 0.2	27 26.5	8 5.1	23 51.8	20 39.7	27 16.2	8 37.1	27 21.4	25 18.9	26 7.7
7 T	13 2 23.7	13 41.4	9 57.1	10♒30.2	9 1.5	24 26.4	21 15.7	27 23.4	8 43.9	27 22.9	25 21.1	26 9.1
8 F	13 6 20.3	14 40.6	9 53.9	24 2.5	9 54.8	24 59.6	21 51.9	27 30.5	8 50.6	27 24.3	25 23.3	26 10.5
9 S	13 10 16.8	15 39.9	9 50.7	8♓ 5.0	10 44.9	25 31.4	22 28.3	27 37.4	8 57.4	27 25.6	25 25.5	26 11.9
10 S	13 14 13.4	16 39.2	9 47.5	22 36.1	11 31.4	26 1.8	23 5.0	27 44.2	9 4.3	27 27.0	25 27.7	26 13.3
11 M	13 18 10.0	17 38.5	9 44.4	7♈30.7	12 13.9	26 30.7	23 41.8	27 50.9	9 11.2	27 28.2	25 30.0	26 14.6
12 T	13 22 6.5	18 37.9	9 41.2	22 40.4	12 52.1	26 58.0	24 18.9	27 57.4	9 18.1	27 29.4	25 32.2	26 15.9
13 W	13 26 3.1	19 37.2	9 38.0	7♉54.6	13 25.6	27 23.7	24 56.1	28 3.7	9 25.0	27 30.6	25 34.4	26 17.2
14 T	13 29 59.6	20 36.6	9 34.8	23 2.4	13 53.9	27 47.7	25 33.5	28 9.9	9 31.9	27 31.7	25 36.6	26 18.5
15 F	13 33 56.2	21 36.1	9 31.6	7♊54.5	14 16.6	28 9.9	26 11.0	28 15.9	9 38.9	27 32.7	25 38.9	26 19.7
16 S	13 37 52.7	22 35.6	9 28.5	22 24.7	14 33.1	28 30.4	26 48.8	28 21.8	9 45.8	27 33.7	25 41.1	26 20.9
17 S	13 41 49.3	23 35.1	9 25.3	6♋30.0	14 42.9	28 48.9	27 26.7	28 27.5	9 52.9	27 34.6	25 43.3	26 22.1
18 M	13 45 45.8	24 34.7	9 22.1	20 10.3	14 45.5	29 5.6	28 4.8	28 33.0	9 59.9	27 35.5	25 45.6	26 23.3
19 T	13 49 42.4	25 34.3	9 18.9	3♌27.5	14R40.4	29 20.3	28 43.1	28 38.4	10 6.9	27 36.4	25 47.8	26 24.4
20 W	13 53 38.9	26 33.9	9 15.8	16 24.6	14 27.0	29 32.9	29 21.5	28 43.6	10 14.0	27 37.1	25 50.1	26 25.5
21 T	13 57 35.5	27 33.6	9 12.6	29 5.1	14 5.1	29 43.5	0♒ 0.1	28 48.7	10 21.1	27 37.9	25 52.3	26 26.6
22 F	14 1 32.0	28 33.3	9 9.4	11♍32.2	13 34.3	29 51.9	0 38.8	28 53.6	10 28.2	27 38.5	25 54.5	26 27.7
23 S	14 5 28.6	29 33.0	9 6.2	23 48.7	12 54.7	29 58.0	1 17.7	28 58.3	10 35.3	27 39.2	25 56.8	26 28.7
24 S	14 9 25.2	0♏32.8	9 3.0	5♎56.8	12 6.3	0♐ 2.0	1 56.8	29 2.8	10 42.4	27 39.7	25 59.0	26 29.7
25 M	14 13 21.7	1 32.6	8 59.9	17 58.3	11 9.7	0 3.6	2 36.0	29 7.2	10 49.5	27 40.2	26 1.2	26 30.7
26 T	14 17 18.3	2 32.5	8 56.7	29 54.5	10 5.7	0R 2.8	3 15.4	29 11.4	10 56.7	27 40.7	26 3.5	26 31.7
27 W	14 21 14.8	3 32.4	8 53.5	11♏46.7	8 55.7	29♏59.7	3 54.9	29 15.4	11 3.9	27 41.1	26 5.7	26 32.7
28 T	14 25 11.4	4 32.3	8 50.3	23 36.4	7 41.3	29 54.2	4 34.5	29 19.2	11 11.0	27 41.4	26 7.9	26 33.6
29 F	14 29 7.9	5 32.3	8 47.2	5♐25.4	6 24.5	29 46.3	5 14.3	29 22.9	11 18.2	27 41.7	26 10.1	26 34.5
30 S	14 33 4.5	6 32.2	8 44.0	17 16.1	5 7.6	29 35.9	5 54.2	29 26.4	11 25.4	27 42.0	26 12.4	26 35.3
31 S	14 37 1.0	7 32.3	8 40.8	29 11.8	3 53.0	29 23.1	6 34.2	29 29.7	11 32.7	27 42.2	26 14.6	26 36.2

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 F	12 38 44.4	3S 5.2	23S 2.9	22S47.0	14S41.7	22S49.5	25S21.8	20N57.9	12S 8.1	21N12.3	8S11.2	22N 7.0
4 M	12 50 34.1	4 15.0	23 3.6	24 4.8	16 6.6	23 36.3	25 1.3	20 53.8	12 14.8	21 11.4	8 13.6	22 6.1
7 T	13 2 23.7	5 24.2	23 4.3	15 8.4	17 19.8	24 18.0	24 39.3	20 49.9	12 21.5	21 10.6	8 16.0	22 5.4
10 S	13 14 13.4	6 32.8	23 5.1	1N28.1	18 18.8	24 54.4	24 15.6	20 46.2	12 28.2	21 9.9	8 18.4	22 4.7
13 W	13 26 3.1	7 40.7	23 5.7	18 18.3	19 0.5	25 25.1	23 50.3	20 42.7	12 35.0	21 9.3	8 20.8	22 4.2
16 S	13 37 52.7	8 47.5	23 6.4	24 39.0	19 20.4	25 49.5	23 23.4	20 39.5	12 41.8	21 8.8	8 23.3	22 3.7
19 T	13 49 42.4	9 53.3	23 7.1	17 19.6	19 12.4	26 7.2	22 54.9	20 36.5	12 48.6	21 8.4	8 25.7	22 3.4
22 F	14 1 32.0	10 57.8	23 7.8	3 5.0	18 29.8	26 17.5	22 24.8	20 33.9	12 55.4	21 8.0	8 28.1	22 3.1
25 M	14 13 21.7	12 0.8	23 8.4	11S37.7	17 7.9	26 19.5	21 53.1	20 31.5	13 2.2	21 7.8	8 30.5	22 3.0
28 T	14 25 11.4	13 2.2	23 9.0	22 4.3	15 10.4	26 12.4	21 19.7	20 29.4	13 8.9	21 7.7	8 32.9	22 2.9
31 S	14 37 1.0	14 1.8	23 9.7	24 9.1	12 56.5	25 55.4	20 44.8	20 27.7	13 15.7	21 7.6	8 35.3	22 3.0

NOVEMBER 1954

LONGITUDE at NOON

DAY	EPHEMERIS SIDEREAL TIME h m s	☉ ° ′	☊ ° ′	☽ ° ′	☿ ° ′	♀ ° ′	♂ ° ′	♃ ° ′	♄ ° ′	♅ ° ′	♆ ° ′	♇ ° ′
1 M	14 40 57.6	8♏32.3	8♑37.6	11♑15.9	2♏43.0	29♏ 7.9	7♒14.4	29♋32.8	11♏39.9	27♋42.3	26♎16.8	26♌37.0
2 T	14 44 54.1	9 32.4	8 34.5	23 33.2	1R39.8	28R50.3	7 54.7	29 35.7	11 47.1	27 42.4	26 19.0	26 37.8
3 W	14 48 50.7	10 32.5	8 31.3	6♒ 8.3	0 45.3	28 30.4	8 35.0	29 38.4	11 54.3	27 42.4	26 21.2	26 38.5
4 T	14 52 47.3	11 32.6	8 28.1	19 5.9	0 0.8	28 8.3	9 15.5	29 41.0	12 1.5	27 42.4	26 23.4	26 39.3
5 F	14 56 43.8	12 32.7	8 24.9	2♓30.3	29♎27.4	27 44.0	9 56.1	29 43.3	12 8.7	27R42.3	26 25.5	26 40.0
6 S	15 0 40.4	13 32.9	8 21.7	16 23.9	29 5.5	27 17.6	10 36.8	29 45.5	12 15.9	27 42.1	26 27.7	26 40.6
7 S	15 4 36.9	14 33.1	8 18.6	0♈46.9	28 55.3	26 49.4	11 17.6	29 47.5	12 23.1	27 41.9	26 29.9	26 41.3
8 M	15 8 33.5	15 33.3	8 15.4	15 36.2	28D56.5	26 19.4	11 58.5	29 49.3	12 30.3	27 41.7	26 32.0	26 41.9
9 T	15 12 30.0	16 33.6	8 12.2	0♉45.2	29 8.6	25 47.8	12 39.5	29 50.8	12 37.5	27 41.4	26 34.1	26 42.5
10 W	15 16 26.6	17 33.8	8 9.0	16 4.2	29 30.9	25 14.8	13 20.6	29 52.2	12 44.7	27 41.0	26 36.3	26 43.0
11 T	15 20 23.1	18 34.1	8 5.9	1♊21.9	0♏ 2.5	24 40.6	14 1.8	29 53.4	12 51.9	27 40.6	26 38.4	26 43.6
12 F	15 24 19.7	19 34.5	8 2.7	16 27.7	0 42.6	24 5.5	14 43.0	29 54.4	12 59.0	27 40.1	26 40.5	26 44.0
13 S	15 28 16.3	20 34.8	7 59.5	1♋13.0	1 30.4	23 29.6	15 24.3	29 55.3	13 6.2	27 39.6	26 42.6	26 44.5
14 S	15 32 12.8	21 35.2	7 56.3	15 32.4	2 24.8	22 53.3	16 5.7	29 55.9	13 13.4	27 39.0	26 44.6	26 45.0
15 M	15 36 9.4	22 35.6	7 53.1	29 24.0	3 25.1	22 16.8	16 47.2	29 56.3	13 20.5	27 38.4	26 46.7	26 45.4
16 T	15 40 5.9	23 36.1	7 50.0	12♌48.6	4 30.6	21 40.3	17 28.8	29 56.5	13 27.7	27 37.7	26 48.8	26 45.7
17 W	15 44 2.5	24 36.6	7 46.8	25 48.6	5 40.5	21 4.1	18 10.4	29 56.5	13 34.8	27 37.0	26 50.8	26 46.1
18 T	15 47 59.0	25 37.1	7 43.6	8♍27.8	6 54.2	20 28.5	18 52.1	29R56.3	13 41.9	27 36.2	26 52.8	26 46.4
19 F	15 51 55.6	26 37.6	7 40.4	20 50.3	8 11.1	19 53.6	19 33.9	29 56.0	13 49.0	27 35.3	26 54.8	26 46.7
20 S	15 55 52.2	27 38.2	7 37.3	3♎ 0.1	9 30.8	19 19.8	20 15.7	29 55.4	13 56.1	27 34.5	26 56.8	26 47.0
21 S	15 59 48.7	28 38.9	7 34.1	15 0.7	10 53.0	18 47.2	20 57.7	29 54.6	14 3.2	27 33.6	26 58.9	26 47.3
22 M	16 3 45.3	29 39.5	7 30.9	26 55.4	12 17.0	18 16.0	21 39.7	29 53.7	14 10.3	27 32.6	27 0.8	26 47.5
23 T	16 7 41.8	0♐40.2	7 27.7	8♏46.6	13 42.7	17 46.4	22 21.7	29 52.5	14 17.3	27 31.5	27 2.8	26 47.6
24 W	16 11 38.4	1 40.8	7 24.6	20 36.6	15 9.8	17 18.7	23 3.8	29 51.1	14 24.3	27 30.4	27 4.7	26 47.8
25 T	16 15 34.9	2 41.6	7 21.4	2♐27.3	16 38.0	16 52.8	23 46.0	29 49.5	14 31.3	27 29.3	27 6.6	26 47.9
26 F	16 19 31.5	3 42.3	7 18.2	14 20.3	18 7.2	16 29.0	24 28.2	29 47.7	14 38.2	27 28.1	27 8.5	26 48.0
27 S	16 23 28.1	4 43.0	7 15.0	26 17.5	19 37.2	16 7.4	25 10.5	29 45.7	14 45.2	27 26.8	27 10.4	26 48.0
28 S	16 27 24.6	5 43.8	7 11.8	8♑21.0	21 7.8	15 48.1	25 52.9	29 43.6	14 52.1	27 25.5	27 12.2	26 48.0
29 M	16 31 21.2	6 44.6	7 8.7	20 33.2	22 39.0	15 31.1	26 35.3	29 41.2	14 59.0	27 24.2	27 14.0	26 48.0
30 T	16 35 17.7	7 45.4	7 5.5	2♒57.1	24 10.6	15 16.4	27 17.7	29 38.6	15 5.8	27 22.8	27 15.9	26 48.0

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 M	14 40 57.6	14S21.2	23S 9.9	22S36.1	12S13.5	25S47.4	20S32.9	20N27.2	13S17.9	21N 7.6	8S36.1	22N 3.0
4 T	14 52 47.3	15 18.0	23 10.5	11 50.5	10 26.0	25 16.0	19 55.9	20 26.0	13 24.5	21 7.7	8 38.4	22 3.2
7 S	15 4 36.9	16 12.5	23 11.1	4N58.3	9 25.5	24 33.5	19 17.6	20 25.1	13 31.1	21 7.9	8 40.7	22 3.5
10 W	15 16 26.6	17 4.6	23 11.7	20 26.2	9 16.1	23 40.5	18 37.8	20 24.5	13 37.7	21 8.2	8 42.9	22 3.9
13 S	15 28 16.3	17 54.0	23 12.3	23 54.4	9 49.0	22 38.5	17 56.7	20 24.4	13 44.1	21 8.6	8 45.1	22 4.4
16 T	15 40 5.9	18 40.7	23 12.8	14 1.3	10 51.8	21 30.0	17 14.3	20 24.6	13 50.5	21 9.0	8 47.2	22 4.9
19 F	15 51 55.6	19 24.4	23 13.4	0S57.0	12 12.8	20 18.1	16 30.6	20 25.2	13 56.8	21 9.6	8 49.3	22 5.6
22 M	16 3 45.3	20 5.0	23 13.9	14 53.0	13 43.2	19 6.5	15 45.7	20 26.2	14 2.9	21 10.3	8 51.4	22 6.4
25 T	16 15 34.9	20 42.2	23 14.5	23 27.6	15 16.9	17 58.4	14 59.7	20 27.6	14 9.0	21 11.0	8 53.4	22 7.3
28 S	16 27 24.6	21 16.0	23 15.0	22 56.3	16 49.5	16 56.9	14 12.6	20 29.3	14 14.9	21 11.8	8 55.3	22 8.3

DECEMBER 1954

LONGITUDE at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 W	16 39 14.3	8♐46.2	7♑ 2.3	15♒35.9	25♏42.5	15♏ 4.3	28♒ 0.2	29♋35.9	15♏12.6	27♋21.4	27♎17.6	26♌47.9
2 T	16 43 10.8	9 47.1	6 59.1	28 33.1	27 14.7	14R54.5	28 42.7	29R32.9	15 19.4	27R19.9	27 19.4	26R47.8
3 F	16 47 7.4	10 47.9	6 56.0	11♓51.8	28 47.2	14 47.3	29 25.3	29 29.8	15 26.2	27 18.4	27 21.2	26 47.7
4 S	16 51 4.0	11 48.8	6 52.8	25 34.5	0♐19.8	14 42.5	0♓ 7.9	29 26.4	15 32.9	27 16.8	27 22.9	26 47.5
5 S	16 55 0.5	12 49.7	6 49.6	9♈42.2	1 52.6	14 40.2	0 50.6	29 22.9	15 39.6	27 15.2	27 24.6	26 47.3
6 M	16 58 57.1	13 50.6	6 46.4	24 13.5	3 25.5	14D40.4	1 33.2	29 19.2	15 46.3	27 13.6	27 26.3	26 47.1
7 T	17 2 53.6	14 51.5	6 43.3	9♉ 4.6	4 58.5	14 42.9	2 16.0	29 15.3	15 52.9	27 11.9	27 27.9	26 46.9
8 W	17 6 50.2	15 52.4	6 40.1	24 8.7	6 31.6	14 47.9	2 58.7	29 11.3	15 59.5	27 10.1	27 29.6	26 46.6
9 T	17 10 46.7	16 53.3	6 36.9	9♊17.2	8 4.8	14 55.1	3 41.5	29 7.0	16 6.0	27 8.3	27 31.2	26 46.3
10 F	17 14 43.3	17 54.3	6 33.7	24 20.4	9 38.0	15 4.7	4 24.3	29 2.6	16 12.5	27 6.5	27 32.8	26 45.9
11 S	17 18 39.9	18 55.2	6 30.6	9♋ 9.4	11 11.4	15 16.5	5 7.1	28 58.0	16 19.0	27 4.7	27 34.3	26 45.6
12 S	17 22 36.4	19 56.3	6 27.4	23 37.2	12 44.8	15 30.6	5 50.0	28 53.3	16 25.5	27 2.8	27 35.9	26 45.2
13 M	17 26 33.0	20 57.2	6 24.2	7♌39.4	14 18.3	15 46.7	6 32.8	28 48.3	16 31.8	27 0.9	27 37.4	26 44.8
14 T	17 30 29.5	21 58.3	6 21.0	21 14.5	15 51.9	16 4.9	7 15.7	28 43.2	16 38.2	26 58.9	27 38.9	26 44.4
15 W	17 34 26.1	22 59.3	6 17.8	4♍23.3	17 25.6	16 25.1	7 58.6	28 38.0	16 44.5	26 56.9	27 40.4	26 43.9
16 T	17 38 22.6	24 0.3	6 14.7	17 8.4	18 59.4	16 47.2	8 41.6	28 32.6	16 50.7	26 54.9	27 41.8	26 43.4
17 F	17 42 19.2	25 1.4	6 11.5	29 33.6	20 33.3	17 11.2	9 24.5	28 27.0	16 56.9	26 52.8	27 43.2	26 42.8
18 S	17 46 15.8	26 2.5	6 8.3	11♎43.2	22 7.4	17 37.0	10 7.5	28 21.2	17 3.1	26 50.7	27 44.6	26 42.3
19 S	17 50 12.3	27 3.6	6 5.1	23 41.8	23 41.6	18 4.5	10 50.5	28 15.3	17 9.2	26 48.6	27 46.0	26 41.7
20 M	17 54 8.9	28 4.7	6 2.0	5♏33.8	25 15.9	18 33.7	11 33.5	28 9.3	17 15.2	26 46.4	27 47.3	26 41.1
21 T	17 58 5.4	29 5.8	5 58.8	17 22.9	26 50.4	19 4.5	12 16.5	28 3.1	17 21.2	26 44.2	27 48.6	26 40.4
22 W	18 2 2.0	0♑ 6.9	5 55.6	29 12.9	28 25.2	19 36.8	12 59.5	27 56.8	17 27.2	26 41.9	27 49.8	26 39.8
23 T	18 5 58.6	1 8.0	5 52.4	11♐ 6.5	0♑ 0.1	20 10.6	13 42.6	27 50.4	17 33.1	26 39.7	27 51.1	26 39.1
24 F	18 9 55.1	2 9.2	5 49.3	23 6.2	1 35.2	20 45.9	14 25.7	27 43.8	17 38.9	26 37.4	27 52.3	26 38.3
25 S	18 13 51.7	3 10.3	5 46.1	5♑14.0	3 10.6	21 22.5	15 8.7	27 37.1	17 44.7	26 35.1	27 53.5	26 37.6
26 S	18 17 48.2	4 11.5	5 42.9	17 31.3	4 46.2	22 0.4	15 51.8	27 30.2	17 50.4	26 32.7	27 54.6	26 36.8
27 M	18 21 44.8	5 12.7	5 39.7	29 59.6	6 22.1	22 39.6	16 34.9	27 23.3	17 56.0	26 30.4	27 55.7	26 36.0
28 T	18 25 41.3	6 13.8	5 36.6	12♒39.9	7 58.3	23 20.0	17 18.0	27 16.3	18 1.6	26 28.0	27 56.8	26 35.2
29 W	18 29 37.9	7 15.0	5 33.4	25 33.6	9 34.7	24 1.6	18 1.2	27 9.1	18 7.2	26 25.6	27 57.9	26 34.3
30 T	18 33 34.5	8 16.2	5 30.2	8♓41.8	11 11.5	24 44.2	18 44.3	27 1.8	18 12.6	26 23.1	27 58.9	26 33.5
31 F	18 37 31.0	9 17.3	5 27.0	22 5.5	12 48.5	25 28.0	19 27.4	26 54.5	18 18.0	26 20.7	27 59.9	26 32.6

DECLINATION at NOON

DAY	SID. TIME	☉	☊	☽	☿	♀	♂	♃	♄	♅	♆	♇
1 W	16 39 14.3	21S46.1	23S15.5	12S56.6	18S18.1	16S 3.9	13S24.5	20N31.5	14S20.7	21N12.7	8S57.1	22N 9.3
4 S	16 51 4.0	22 12.5	23 16.0	2N59.1	19 40.8	15 20.7	12 35.5	20 34.0	14 26.4	21 13.7	8 58.9	22 10.5
7 T	17 2 53.6	22 35.1	23 16.5	18 40.7	20 56.1	14 47.8	11 45.7	20 36.8	14 31.9	21 14.8	9 0.6	22 11.8
10 F	17 14 43.3	22 53.7	23 17.0	24 20.9	22 2.8	14 25.0	10 55.1	20 39.9	14 37.3	21 15.9	9 2.2	22 13.1
13 M	17 26 33.0	23 8.2	23 17.4	15 38.5	23 0.0	14 11.8	10 3.7	20 43.4	14 42.5	21 17.1	9 3.7	22 14.5
16 T	17 38 22.6	23 18.6	23 17.9	0 27.6	23 47.0	14 7.3	9 11.8	20 47.1	14 47.6	21 18.3	9 5.1	22 16.0
19 S	17 50 12.3	23 24.7	23 18.3	13S51.9	24 23.2	14 10.5	8 19.2	20 51.1	14 52.5	21 19.6	9 6.4	22 17.5
22 W	18 2 2.0	23 26.7	23 18.7	23 2.9	24 47.7	14 20.5	7 26.2	20 55.3	14 57.2	21 20.9	9 7.7	22 19.1
25 S	18 13 51.7	23 24.4	23 19.2	23 22.1	25 0.1	14 36.0	6 32.7	20 59.7	15 1.7	21 22.3	9 8.8	22 20.8
28 T	18 25 41.3	23 17.9	23 19.6	13 56.3	24 59.9	14 56.2	5 38.9	21 4.3	15 6.0	21 23.7	9 9.9	22 22.5
31 F	18 37 31.0	23 7.2	23 20.0	1N35.6	24 46.5	15 20.1	4 44.8	21 9.0	15 10.1	21 25.2	9 10.8	22 24.3