



Astrodienst Ephemeris Tables for the year 1550

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPH

ASTRODIENST EPHEMERIS for the year 1550

geocentric

JANUARY 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	7 19 17	20 ³ 19'02	18 ¹¹ 20	26 ²⁷ 57	28 ²⁸ 28	28 ²⁷ 49	15 ¹⁰ D58	29 ³ 42	3 ¹ R22	3 ¹ R35	25 ²⁸ 17	7 ¹ R23	8 ¹ 1	14 ²⁸ 9	6 ¹ R54	W 1
T 2	7 23 13	21 ¹ 20'07	3 ¹ 7	27 ³ 37	29 ² 41	29 ³ 33	15 ¹⁰ 58	29 ² 49	3 ¹ 22	3 ¹ R35	25 ² 19	7 ¹ 13	7 ¹ 58	14 ¹ 15	6 ¹ 50	T 2
F 3	7 27 10	22 ¹ 21'12	18 ¹ 2	28 ² 22	0 ¹ 53	0 ¹ 18	15 ¹ 59	29 ² 56	3 ¹ 22	3 ¹ 35	25 ² 20	7 ¹ 1	7 ¹ 54	14 ¹ 22	6 ¹ 46	F 3
S 4	7 31 6	23 ² 22'15	3 ¹ 28	29 ¹ 11	2 ¹ 5	1 ¹ 3	15 ¹ 59	0 ¹ 3	3 ¹ 21	3 ¹ D35	25 ² 22	6 ¹ 50	7 ¹ 51	14 ¹ 29	6 ¹ 42	S 4
S 5	7 35 3	24 ² 23'18	18 ¹ 42	0 ¹ 3	3 ¹ 17	1 ¹ 48	16 ¹ 0	0 ¹ 10	3 ¹ 21	3 ¹ 35	25 ² 23	6 ¹ 41	7 ¹ 48	14 ¹ 35	6 ¹ 38	S 5
M 6	7 38 59	25 ² 24'21	3 ¹ 44	1 ¹ 0	4 ¹ 29	2 ¹ 33	16 ¹ 1	0 ¹ 17	3 ¹ 21	3 ¹ 35	25 ² 25	6 ¹ 35	7 ¹ 45	14 ¹ 42	6 ¹ 34	M 6
T 7	7 42 56	26 ² 25'23	18 ¹ 26	2 ¹ 0	5 ¹ 41	3 ¹ 18	16 ¹ 2	0 ¹ 24	3 ¹ 20	3 ¹ 35	25 ² 26	6 ¹ 31	7 ¹ 42	14 ¹ 49	6 ¹ 30	T 7
W 8	7 46 52	27 ² 26'24	2 ¹ 43	3 ¹ 2	6 ¹ 53	4 ¹ 3	16 ¹ 4	0 ¹ 31	3 ¹ 20	3 ¹ 35	25 ² 28	6 ¹ D30	7 ¹ 38	14 ¹ 56	6 ¹ 26	W 8
T 9	7 50 49	28 ² 27'25	16 ¹ 35	4 ¹ 7	8 ¹ 5	4 ¹ 49	16 ¹ 5	0 ¹ 39	3 ¹ 19	3 ¹ 35	25 ² 29	6 ¹ 30	7 ¹ 35	15 ¹ 2	6 ¹ 22	T 9
F 10	7 54 46	29 ² 28'25	0 ¹ 11	2 ¹ 5	9 ¹ 17	5 ¹ 34	16 ¹ 7	0 ¹ 46	3 ¹ 18	3 ¹ 36	25 ² 31	6 ¹ R31	7 ¹ 32	15 ¹ 9	6 ¹ 19	F 10
S 11	7 58 42	0 ¹ 29'24	13 ¹ 7	6 ¹ 24	10 ¹ 28	6 ¹ 19	16 ¹ 9	0 ¹ 53	3 ¹ 18	3 ¹ 36	25 ² 32	6 ¹ 30	7 ¹ 29	15 ¹ 16	6 ¹ 15	S 11
S 12	8 2 39	1 ¹ 30'23	25 ² 53	7 ¹ 36	11 ¹ 40	7 ¹ 4	16 ¹ 11	1 ¹ 0	3 ¹ 17	3 ¹ 36	25 ² 34	6 ¹ 27	7 ¹ 26	15 ¹ 22	6 ¹ 11	S 12
M 13	8 6 35	2 ¹ 31'22	8 ¹ 24	8 ¹ 49	12 ¹ 51	7 ¹ 49	16 ¹ 14	1 ¹ 7	3 ¹ 16	3 ¹ 36	25 ² 35	6 ¹ 22	7 ¹ 23	15 ¹ 29	6 ¹ 8	M 13
T 14	8 10 32	3 ¹ 32'19	20 ¹ 44	10 ¹ 4	14 ¹ 3	8 ¹ 35	16 ¹ 16	1 ¹ 14	3 ¹ 15	3 ¹ 37	25 ² 37	6 ¹ 13	7 ¹ 19	15 ¹ 36	6 ¹ 4	T 14
W 15	8 14 28	4 ¹ 33'16	2 ¹ 54	11 ¹ 20	15 ¹ 14	9 ¹ 20	16 ¹ 19	1 ¹ 21	3 ¹ 14	3 ¹ 37	25 ² 39	6 ¹ 3	7 ¹ 16	15 ¹ 42	6 ¹ 0	W 15
T 16	8 18 25	5 ¹ 34'12	14 ¹ 57	12 ¹ 38	16 ¹ 25	10 ¹ 5	16 ¹ 22	1 ¹ 29	3 ¹ 13	3 ¹ 38	25 ² 40	5 ¹ 51	7 ¹ 13	15 ¹ 49	5 ¹ 57	T 16
F 17	8 22 21	6 ¹ 35'07	26 ¹ 54	13 ¹ 57	17 ¹ 36	10 ¹ 51	16 ¹ 25	1 ¹ 36	3 ¹ 12	3 ¹ 38	25 ² 42	5 ¹ 39	7 ¹ 10	15 ¹ 56	5 ¹ 54	F 17
S 18	8 26 18	7 ¹ 36'00	8 ¹ 47	15 ¹ 18	18 ¹ 47	11 ¹ 36	16 ¹ 28	1 ¹ 43	3 ¹ 11	3 ¹ 38	25 ² 43	5 ¹ 27	7 ¹ 7	16 ¹ 2	5 ¹ 50	S 18
S 19	8 30 15	8 ¹ 36'53	20 ¹ 38	16 ¹ 39	19 ¹ 58	12 ¹ 22	16 ¹ 32	1 ¹ 50	3 ¹ 10	3 ¹ 39	25 ² 45	5 ¹ 17	7 ¹ 4	16 ¹ 9	5 ¹ 47	S 19
M 20	8 34 11	9 ¹ 37'44	2 ¹ 47	18 ¹ 2	21 ¹ 8	13 ¹ 7	16 ¹ 36	1 ¹ 57	3 ¹ 9	3 ¹ 39	25 ² 47	5 ¹ 10	7 ¹ 0	16 ¹ 16	5 ¹ 44	M 20
T 21	8 38 8	10 ¹ 38'34	14 ¹ 17	19 ¹ 26	22 ¹ 19	13 ¹ 53	16 ¹ 40	2 ¹ 4	3 ¹ 8	3 ¹ 40	25 ² 48	5 ¹ 5	6 ¹ 57	16 ¹ 23	5 ¹ 40	T 21
W 22	8 42 4	11 ¹ 39'23	26 ¹ 10	20 ¹ 51	23 ¹ 29	14 ¹ 38	16 ¹ 44	2 ¹ 11	3 ¹ 7	3 ¹ 41	25 ² 50	5 ¹ 2	6 ¹ 54	16 ¹ 29	5 ¹ 37	W 22
T 23	8 46 1	12 ¹ 40'10	8 ¹ 41	22 ¹ 17	24 ¹ 40	15 ¹ 24	16 ¹ 48	2 ¹ 18	3 ¹ 5	3 ¹ 41	25 ² 52	5 ¹ D 2	6 ¹ 51	16 ¹ 36	5 ¹ 34	T 23
F 24	8 49 57	13 ¹ 40'55	20 ¹ 22	23 ¹ 44	25 ¹ 50	16 ¹ 10	16 ¹ 53	2 ¹ 25	3 ¹ 4	3 ¹ 42	25 ² 53	5 ¹ 2	6 ¹ 48	16 ¹ 43	5 ¹ 31	F 24
S 25	8 53 54	14 ¹ 41'39	2 ¹ 49	25 ¹ 12	27 ¹ 0	16 ¹ 55	16 ¹ 57	2 ¹ 32	3 ¹ 3	3 ¹ 43	25 ² 55	5 ¹ 4	6 ¹ 44	16 ¹ 49	5 ¹ 28	S 25
S 26	8 57 50	15 ¹ 42'21	15 ¹ 36	26 ¹ 40	28 ¹ 9	17 ¹ 41	17 ¹ 2	2 ¹ 39	3 ¹ 1	3 ¹ 43	25 ² 57	5 ¹ R 4	6 ¹ 41	16 ¹ 56	5 ¹ 25	S 26
M 27	9 1 47	16 ¹ 43'02	28 ¹ 47	28 ¹ 10	29 ¹ 19	18 ¹ 27	17 ¹ 7	2 ¹ 46	3 ¹ 0	3 ¹ 44	25 ² 58	5 ¹ 3	6 ¹ 38	17 ¹ 3	5 ¹ 23	M 27
T 28	9 5 44	17 ¹ 43'41	12 ¹ 26	29 ¹ 41	0 ¹ 29	19 ¹ 12	17 ¹ 12	2 ¹ 53	2 ¹ 58	3 ¹ 45	26 ¹ 0	5 ¹ 1	6 ¹ 35	17 ¹ 9	5 ¹ 20	T 28
W 29	9 9 40	18 ¹ 44'18	26 ¹ 35	1 ¹ 12	1 ¹ 38	19 ¹ 58	17 ¹ 18	3 ¹ 0	2 ¹ 56	3 ¹ 46	26 ¹ 2	4 ¹ 56	6 ¹ 32	17 ¹ 16	5 ¹ 17	W 29
T 30	9 13 37	19 ¹ 44'54	11 ¹ 11	2 ¹ 44	2 ¹ 47	20 ¹ 44	17 ¹ 23	3 ¹ 7	2 ¹ 55	3 ¹ 47	26 ¹ 3	4 ¹ 50	6 ¹ 29	17 ¹ 23	5 ¹ 15	T 30
F 31	9 17 33	20 ¹ 45'28	26 ¹ 11	4 ¹ 18	3 ¹ 56	21 ¹ 30	17 ¹ 29	3 ¹ 14	2 ¹ 53	3 ¹ 48	26 ¹ 5	4 ¹ 53	6 ¹ 25	17 ¹ 29	5 ¹ 12	F 31

Delta T = 179.85 sec

Julian Calendar 1 Jan. 1550 == Greg. Calendar 11 Jan. 1550

FEBRUARY 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 21 30	21 ¹ 46'00	11 ¹ 25	5 ¹ 52	5 ¹ 4	22 ¹ 16	17 ¹ 35	3 ¹ 21	2 ¹ R51	3 ¹ R48	26 ¹ 7	4 ¹ R36	6 ¹ 22	17 ¹ 36	5 ¹ R10	S 1
S 2	9 25 26	22 ¹ 46'30	26 ¹ 44	7 ¹ 27	6 ¹ 14	23 ¹ 2	17 ¹ 41	3 ¹ 28	2 ¹ 50	3 ¹ 49	26 ¹ 8	4 ¹ 31	6 ¹ 19	17 ¹ 43	5 ¹ 8	S 2
M 3	9 29 23	23 ¹ 46'59	11 ¹ 47	9 ¹ 3	7 ¹ 22	23 ¹ 47	17 ¹ 47	3 ¹ 35	2 ¹ 48	3 ¹ 50	26 ¹ 10	4 ¹ 27	6 ¹ 16	17 ¹ 50	5 ¹ 5	M 3
T 4	9 33 19	24 ¹ 47'27	26 ¹ 53	10 ¹ 40	8 ¹ 31	24 ¹ 33	17 ¹ 54	3 ¹ 42	2 ¹ 46	3 ¹ 51	26 ¹ 12	4 ¹ 25	6 ¹ 13	17 ¹ 56	5 ¹ 3	T 4
W 5	9 37 16	25 ¹ 47'53	11 ¹ 26	12 ¹ 18	9 ¹ 39	25 ¹ 19	18 ¹ 0	3 ¹ 49	2 ¹ 44	3 ¹ 53	26 ¹ 13	4 ¹ D25	6 ¹ 10	18 ¹ 3	5 ¹ 1	W 5
T 6	9 41 13	26 ¹ 48'17	25 ¹ 32	13 ¹ 56	10 ¹ 47	26 ¹ 5	18 ¹ 7	3 ¹ 55	2 ¹ 42	3 ¹ 54	26 ¹ 15	4 ¹ 26	6 ¹ 6	18 ¹ 10	4 ¹ 59	T 6
F 7	9 45 9	27 ¹ 48'40	9 ¹ 11	15 ¹ 36	11 ¹ 55	26 ¹ 51	18 ¹ 14	4 ¹ 2	2 ¹ 40	3 ¹ 55	26 ¹ 17	4 ¹ 28	6 ¹ 3	18 ¹ 16	4 ¹ 57	F 7
S 8	9 49 6	28 ¹ 49'02	22 ¹ 22	17 ¹ 17	13 ¹ 2	27 ¹ 37	18 ¹ 21	4 ¹ 9	2 ¹ 38	3 ¹ 56	26 ¹ 18	4 ¹ 29	6 ¹ 0	18 ¹ 23	4 ¹ 56	S 8
S 9	9 53 2	29 ¹ 49'22	5 ¹ 11	18 ¹ 58	14 ¹ 10	28 ¹ 23	18 ¹ 28	4 ¹ 16	2 ¹ 36	3 ¹ 57	26 ¹ 20	4 ¹ R29	5 ¹ 57	18 ¹ 30	4 ¹ 54	S 9
M 10	9 56 59	0 ¹ 49'41	17 ¹ 41	20 ¹ 41	15 ¹ 17	29 ¹ 9	18 ¹ 35	4 ¹ 22	2 ¹ 34	3 ¹ 58	26 ¹ 22	4 ¹ 27	5 ¹ 54	18 ¹ 36	4 ¹ 52	M 10
T 11	10 0 55	1 ¹ 49'59	29 ¹ 56	22 ¹ 25	16 ¹ 24	29 ¹ 56	18 ¹ 43	4 ¹ 29	2 ¹ 32	4 ¹ 0	26 ¹ 24	4 ¹ 24	5 ¹ 50	18 ¹ 43	4 ¹ 51	T 11
W 12	10 4 52	2 ¹ 50'15	12 ¹ 3	24 ¹ 10	17 ¹ 31	0 ¹ 42	18 ¹ 50	4 ¹ 36	2 ¹ 30	4 ¹ 1	26 ¹ 25	4 ¹ 20	5 ¹ 47	18 ¹ 50	4 ¹ 49	W 12
T 13	10 8 48	3 ¹ 50'29	23 ¹ 56	25 ¹ 55	18 ¹ 37	1 ¹ 28	18 ¹ 58	4 ¹ 42	2 ¹ 28	4 ¹ 2	26 ¹ 27	4 ¹ 15	5 ¹ 44	18 ¹ 56	4 ¹ 48	T 13
F 14	10 12 45	4 ¹ 50'42	5 ¹ 47	27 ¹ 42	19 ¹ 43	2 ¹ 14	19 ¹ 6	4 ¹ 49	2 ¹ 26	4 ¹ 3	26 ¹ 29	4 ¹ 9	5 ¹ 41	19 ¹ 3	4 ¹ 47	F 14
S 15	10 16 42	5 ¹ 50'53	17 ¹ 37	29 ¹ 30	20 ¹ 49	3 ¹ 0	19 ¹ 14	4 ¹ 55	2 ¹ 24	4 ¹ 5	26 ¹ 30	4 ¹ 4	5 ¹ 38	19 ¹ 10	4 ¹ 45	S 15
S 16	10 20 38	6 ¹ 51'02	29 ¹ 27	1 ¹ 19	21 ¹ 55	3 ¹ 46	19 ¹ 22	5 ¹ 2	2 ¹ 21	4 ¹ 6	26 ¹ 32	3 ¹ 59	5 ¹ 35	19 ¹ 16	4 ¹ 44	S 16
M 17	10 24 35	7 ¹ 51'09	11 ¹ 18	3 ¹ 9	23 ¹ 1	4 ¹ 33	19 ¹ 31	5 ¹ 8	2 ¹ 19	4 ¹ 8	26 ¹ 34	3 ¹ 56	5 ¹ 31	19 ¹ 23	4 ¹ 43	M 17
T 18	10 28 31	8 ¹ 51'14	23 ¹ 14	5 ¹ 0	24 ¹ 6	5 ¹ 19	19 ¹ 39	5 ¹ 14	2 ¹ 17	4 ¹ 9	26 ¹ 35	3 ¹ 54	5 ¹ 28	19 ¹ 30	4 ¹ 42	T 18
W 19	10 32 28	9 ¹ 51'18	5 ¹ 16	6 ¹ 52	25 ¹ 11	6 ¹ 5	19 ¹ 48	5 ¹ 21	2 ¹ 14	4 ¹ 10	26 ¹ 37	3 ¹ D54	5 ¹ 25	19 ¹ 36	4 ¹ 41	W 19
T 20	10 36 24	10 ¹ 51'19	17 ¹ 26	8 ¹ 45	26 ¹ 16	6 ¹ 51	19 ¹ 56	5 ¹ 27	2 ¹ 12	4 ¹ 12	26 ¹ 39	3 ¹ 55	5 ¹ 22	19 ¹ 43	4 ¹ 41	T 20
F 21	10 40 21	11 ¹ 51'19	29 ¹ 46	10 ¹ 39	27 ¹ 20	7 ¹ 38	20 ¹ 5	5 ¹ 33	2 ¹ 10	4 ¹ 13	26 ¹ 40	3 ¹ 56	5 ¹ 19	19 ¹ 50	4 ¹ 40	F 21
S 22	10 44 17	12 ¹ 51'16	12 ¹ 20	12 ¹ 34	28 ¹ 25	8 ¹ 24	20 ¹ 14	5 ¹ 39	2 ¹ 7	4 ¹ 15	26 ¹ 42	3 ¹ 58	5 ¹ 15	19 ¹ 57	4 ¹ 40	S 22
S 23	10 48 14	13 ¹ 51'11	25 ¹ 10	14 ¹ 30	29 ¹ 29	9 ¹ 10	20 ¹ 23	5 ¹ 46	2 ¹ 5	4 ¹ 17	26 ¹ 43	3 ¹ 59	5 ¹ 12	20 ¹ 3	4 ¹ 39	S 23
M 24	10 52 10	14 ¹ 51'04	8 ¹ 21	16 ¹ 27	0 ¹ 32	9 ¹ 57	20 ¹ 33	5 ¹ 52	2 ¹ 3	4 ¹ 18	26 ¹ 45	4 ¹ 0	5 ¹ 9	20 ¹ 10	4 ¹ 39	M 24
T 25	10 56 7	15 ¹ 50'54	21 ¹ 53	18 ¹ 24	1 ¹ 35	10 ¹ 43	20 ¹ 42	5 ¹ 58	2 ¹ 0	4 ¹ 20	26 ¹ 47	4 ¹ R 0	5 ¹ 6	20 ¹ 17	4 ¹ 39	T 25
W 26	11 0 4	16 ¹ 50'43	5 ¹ 49	20 ¹ 22	2 ¹ 38	11 ¹ 29	20 ¹ 52	6 ¹ 4	1 ¹ 58	4 ¹ 21	26 ¹ 48	3 ¹ 59	5 ¹ 3	20 ¹ 23	4 ¹ 38	W 26
T 27	11 4 0	17 ¹ 50'29	2 ¹ 9	22 ¹ 21	3 ¹ 41	12 ¹ 16	21 ¹ 1	6 ¹ 10	1 ¹ 55	4 ¹ 23	26 ¹ 50	3 ¹ 57	5 ¹ 0	20 ¹ 30	4 ¹ D38	T 27
F 28	11 7 57	18 ¹ 50'13	4 ¹ 49	24 ¹ 21	4 ¹ 43	13 ¹ 22	21 ¹ 11	6 ¹ 16	1 ¹ 53	4 ¹ R25	26 ¹ 51	3 ¹ 56	4 ¹ 56	20 ¹ 37	4 ¹ 38	F 28

ASTRODIENST EPHEMERIS for the year 1550

geocentric

MARCH 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 11 53	19°49'54	19°45	26°20	5°45	13°48	21°21	6°21	1°R50	4°26	26°53	3°R54	4°53	20°43	4°38	S 1
S 2	11 15 50	20°49'33	4°50	28°19	6°46	14°35	21°31	6°27	1°48	4°28	26°55	3°52	4°50	20°50	4°39	S 2
M 3	11 19 46	21°49'11	19°54	0°19	7°48	15°21	21°41	6°33	1°45	4°30	26°56	3°51	4°47	20°57	4°39	M 3
T 4	11 23 43	22°48'46	4°48	2°17	8°48	16° 8	21°51	6°39	1°43	4°32	26°58	3°D51	4°44	21° 3	4°39	T 4
W 5	11 27 39	23°48'19	19°25	4°15	9°49	16°54	22° 1	6°44	1°40	4°34	26°59	3°51	4°41	21°10	4°40	W 5
T 6	11 31 36	24°47'50	3°39	6°12	10°48	17°40	22°12	6°50	1°37	4°35	27° 1	3°52	4°37	21°17	4°40	T 6
F 7	11 35 33	25°47'19	17°27	8° 7	11°48	18°27	22°22	6°55	1°35	4°37	27° 2	3°53	4°34	21°23	4°41	F 7
S 8	11 39 29	26°46'47	0°48	10° 0	12°47	19°13	22°33	7° 1	1°32	4°39	27° 4	3°54	4°31	21°30	4°42	S 8
S 9	11 43 26	27°46'13	13°45	11°50	13°45	20° 0	22°43	7° 6	1°30	4°41	27° 5	3°54	4°28	21°37	4°43	S 9
M10	11 47 22	28°45'37	26°19	13°38	14°44	20°46	22°54	7°12	1°27	4°43	27° 7	3°R54	4°25	21°43	4°44	M10
T 11	11 51 19	29°44'59	8°36	15°23	15°41	21°33	23° 5	7°17	1°24	4°45	27° 8	3°54	4°21	21°50	4°45	T 11
W12	11 55 15	0°44'20	20°40	17° 4	16°38	22°19	23°16	7°22	1°22	4°47	27°10	3°54	4°18	21°57	4°46	W12
T 13	11 59 12	1°43'38	2°34	18°41	17°35	23° 6	23°27	7°27	1°19	4°49	27°11	3°54	4°15	22° 3	4°47	T 13
F 14	12 3 8	2°42'55	14°24	20°13	18°31	23°52	23°38	7°32	1°17	4°51	27°13	3°53	4°12	22°10	4°49	F 14
S 15	12 7 5	3°42'10	26°13	21°41	19°26	24°38	23°49	7°37	1°14	4°53	27°14	3°D53	4° 9	22°17	4°50	S 15
S 16	12 11 2	4°41'23	8° 4	23° 4	20°21	25°25	24° 1	7°42	1°11	4°55	27°15	3°53	4° 6	22°24	4°52	S 16
M17	12 14 58	5°40'34	20° 1	24°21	21°15	26°11	24°12	7°47	1° 9	4°57	27°17	3°54	4° 2	22°30	4°53	M17
T 18	12 18 55	6°39'43	2°5	25°32	22° 9	26°58	24°24	7°52	1° 6	4°59	27°18	3°R54	3°59	22°37	4°55	T 18
W19	12 22 51	7°38'50	14°19	26°38	23° 2	27°44	24°35	7°57	1° 4	5° 1	27°20	3°54	3°56	22°44	4°57	W19
T 20	12 26 48	8°37'55	26°44	27°37	23°55	28°31	24°47	8° 1	1° 1	5° 3	27°21	3°53	3°53	22°50	4°59	T 20
F 21	12 30 44	9°36'58	9°22	28°30	24°46	29°17	24°59	8° 6	0°59	5° 5	27°22	3°53	3°50	22°57	5° 0	F 21
S 22	12 34 41	10°35'58	22°12	29°16	25°37	0°4	25°10	8°10	0°56	5° 7	27°24	3°52	3°47	23° 4	5° 3	S 22
S 23	12 38 37	11°34'57	5°17	29°56	26°28	0°50	25°22	8°15	0°53	5° 9	27°25	3°51	3°43	23°10	5° 5	S 23
M24	12 42 34	12°33'53	18°37	0°30	27°17	1°37	25°34	8°19	0°51	5°11	27°26	3°50	3°40	23°17	5° 7	M24
T 25	12 46 30	13°32'47	2°53	0°56	28° 6	2°23	25°46	8°24	0°48	5°13	27°27	3°50	3°37	23°24	5° 9	T 25
W26	12 50 27	14°31'39	16° 5	1°16	28°54	3° 9	25°58	8°28	0°46	5°15	27°29	3°D49	3°34	23°30	5°12	W26
T 27	12 54 24	15°30'28	0°12	1°29	29°41	3°56	26°11	8°32	0°43	5°17	27°30	3°50	3°31	23°37	5°14	T 27
F 28	12 58 20	16°29'15	14°33	1°36	0°12	4°42	26°23	8°36	0°41	5°20	27°31	3°50	3°27	23°44	5°17	F 28
S 29	13 2 17	17°27'59	29° 6	1°R37	1°12	5°29	26°35	8°40	0°38	5°22	27°32	3°51	3°24	23°50	5°19	S 29
S 30	13 6 13	18°26'41	13°45	1°31	1°56	6°15	26°48	8°44	0°36	5°24	27°33	3°52	3°21	23°57	5°22	S 30
M31	13 10 10	19°25'22	28°26	1°19	2°13	7°1	27° 0	8°48	0°34	5°26	27°35	3°R53	3°18	24° 4	5°25	M31

Delta T = 179.50 sec

Julian Calendar 1 March 1550 == Greg. Calendar 11 March 1550

APRIL 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 14 6	20°24'00	13° 2	1°R 2	3°12	7°48	27°13	8°51	0°R31	5°28	27°36	3°R53	3°15	24°10	5°28	T 1
W 2	13 18 3	21°22'36	27°26	0°40	4° 3	8°34	27°25	8°55	0°29	5°30	27°37	3°52	3°12	24°17	5°31	W 2
T 3	13 21 59	22°21'10	11°34	0°13	4°43	9°20	27°38	8°59	0°26	5°33	27°38	3°50	3° 8	24°24	5°34	T 3
F 4	13 25 56	23°19'42	25°21	29°42	5°21	10° 7	27°50	9° 2	0°24	5°35	27°39	3°48	3° 5	24°30	5°37	F 4
S 5	13 29 53	24°18'13	8°45	29° 7	5°59	10°53	28° 3	9° 6	0°22	5°37	27°40	3°45	3° 2	24°37	5°40	S 5
S 6	13 33 49	25°16'42	21°46	28°30	6°35	11°39	28°16	9° 9	0°20	5°39	27°41	3°42	2°59	24°44	5°44	S 6
M 7	13 37 46	26°15'09	4°25	27°51	7°10	12°25	28°29	9°12	0°17	5°42	27°42	3°39	2°56	24°50	5°47	M 7
T 8	13 41 42	27°13'34	16°45	27°10	7°44	13°12	28°42	9°15	0°15	5°44	27°43	3°38	2°52	24°57	5°51	T 8
W 9	13 45 39	28°11'58	28°51	26°29	8°16	13°58	28°55	9°18	0°13	5°46	27°44	3°D37	2°49	25° 4	5°54	W 9
T 10	13 49 35	29°10'21	10°46	25°49	8°47	14°44	29° 8	9°21	0°11	5°48	27°45	3°38	2°46	25°10	5°58	T 10
F 11	13 53 32	0°8'41	22°36	25° 9	9°16	15°30	29°21	9°24	0° 9	5°51	27°46	3°39	2°43	25°17	6° 1	F 11
S 12	13 57 28	1° 7'00	4°26	24°31	9°44	16°17	29°34	9°27	0° 6	5°53	27°47	3°41	2°40	25°24	6° 5	S 12
S 13	14 1 25	2° 5'18	16°20	23°55	10°10	17° 3	29°47	9°30	0° 4	5°55	27°48	3°43	2°37	25°30	6° 9	S 13
M14	14 5 22	3° 3'34	28°22	23°22	10°35	17°49	0°11	9°32	0° 2	5°57	27°49	3°R44	2°33	25°37	6°13	M14
T 15	14 9 18	4° 1'48	10°35	22°52	10°58	18°35	0°13	9°35	0° 0	6° 0	27°50	3°44	2°30	25°44	6°17	T 15
W16	14 13 15	5° 0'01	23° 3	22°26	11°19	19°21	0°27	9°37	29°15	6° 2	27°50	3°42	2°27	25°50	6°21	W16
T 17	14 17 11	5°58'12	5°45	22° 4	11°38	20° 7	0°40	9°40	29°56	6° 4	27°51	3°39	2°24	25°57	6°25	T 17
F 18	14 21 8	6°56'21	18°44	21°46	11°55	20°53	0°53	9°42	29°54	6° 6	27°52	3°35	2°21	26° 4	6°29	F 18
S 19	14 25 4	7°54'28	1°15	21°33	12°10	21°39	1° 7	9°44	29°53	6° 9	27°53	3°29	2°18	26°10	6°34	S 19
S 20	14 29 1	8°52'34	15°26	21°25	12°24	22°25	1°20	9°46	29°51	6°11	27°53	3°24	2°14	26°17	6°38	S 20
M21	14 32 57	9°50'38	29° 6	21°D21	12°35	23°11	1°34	9°48	29°49	6°13	27°54	3°18	2°11	26°24	6°42	M21
T 22	14 36 54	10°48'40	12°57	21°22	12°44	23°57	1°47	9°50	29°47	6°15	27°55	3°14	2° 8	26°31	6°47	T 22
W23	14 40 51	11°46'40	26°56	21°27	12°51	24°43	2° 1	9°52	29°45	6°18	27°55	3°12	2° 5	26°37	6°51	W23
T 24	14 44 47	12°44'39	11° 2	21°37	12°55	25°29	2°14	9°54	29°44	6°20	27°56	3°D11	2° 2	26°44	6°56	T 24
F 25	14 48 44	13°42'35	25°12	21°52	12°R57	26°15	2°28	9°55	29°42	6°22	27°57	3°11	1°58	26°51	7° 1	F 25
S 26	14 52 40	14°40'29	9°26	22°12	12°57	27° 0	2°41	9°57	29°40	6°24	27°57	3°12	1°55	26°57	7° 5	S 26
S 27	14 56 37	15°38'22	23°41	22°35	12°54	27°46	2°55	9°58	29°39	6°27	27°58	3°14	1°52	27° 4	7°10	S 27
M28	15 0 33	16°36'12	7°55	23° 3	12°49	28°32	3° 9	9°59	29°37	6°29	27°58	3°R14	1°49	27°11	7°15	M28
T 29	15 4 30	17°34'01	22° 5	23°35	12°42	29°17	3°22	10° 1	29°36	6°31	27°59	3°12	1°46	27°17	7°20	T 29
W30	15 8 26	18°31'49	6°16	24°11	12°12	0°13	3°13	10° 2	29°34	6°33	27°59	3°12	1°43	27°24	7°25	W30

Delta T = 179.32 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1550
geocentric

MAY 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 12 23	19♌29'35	19♍56	24♊51	12♏R20	0♊49	3♏50	10♌3	29♏R33	6♌35	28♌0	3♏R 3	1♌39	27♌31	7♌30	T 1
F 2	15 16 19	20°27'19	3♌30	25°35	12♏5	1°34	4°3	10°4	29♏32	6°38	28°0	2♌56	1°36	27°37	7°35	F 2
S 3	15 20 16	21°25'03	16°46	26°22	11°48	2°20	4°17	10°4	29°30	6°40	28°1	2°48	1°33	27°44	7°40	S 3
S 4	15 24 13	22°22'45	29°42	27°13	11°28	3°5	4°31	10°5	29°29	6°42	28°1	2°40	1°30	27°51	7°45	S 4
M 5	15 28 9	23°20'26	12♌20	28°7	11°6	3°51	4°45	10°6	29°28	6°44	28°2	2°32	1°27	27°57	7°50	M 5
T 6	15 32 6	24°18'05	24°40	29°4	10°42	4°36	4°59	10°6	29°27	6°46	28°2	2°26	1°24	28°4	7°56	T 6
W 7	15 36 2	25°15'44	6♌46	0♌5	10°16	5°22	5°12	10°7	29°26	6°49	28°2	2°22	1°20	28°11	8°1	W 7
T 8	15 39 59	26°13'22	18°42	1°9	9°48	6°7	5°26	10°7	29°25	6°51	28°3	2°20	1°17	28°17	8°6	T 8
F 9	15 43 55	27°10'58	0♌32	2°16	9°18	6°52	5°40	10°7	29°24	6°53	28°3	2°D20	1°14	28°24	8°12	F 9
S 10	15 47 52	28°8'34	12°22	3°25	8°47	7°37	5°54	10°7	29°23	6°55	28°3	2°21	1°11	28°31	8°17	S 10
S 11	15 51 48	29°6'08	24°18	4°38	8°14	8°23	6°8	10°R 8	29°22	6°57	28°3	2°22	1°8	28°37	8°23	S 11
M12	15 55 45	0♏3'42	6♊23	5°53	7°40	9°8	6°22	10°7	29°21	6°59	28°3	2°R22	1°4	28°44	8°28	M12
T 13	15 59 42	1°1'15	18°43	7°11	7°4	9°53	6°36	10°7	29°20	7°1	28°4	2°21	1°1	28°51	8°34	T 13
W14	16 3 38	1°58'47	1♌21	8°32	6°28	10°38	6°50	10°7	29°19	7°4	28°4	2°17	0°58	28°57	8°40	W14
T 15	16 7 35	2°56'18	14°19	9°56	5°51	11°23	7°3	10°7	29°19	7°6	28°4	2°11	0°55	29°4	8°45	T 15
F 16	16 11 31	3°53'48	27°37	11°22	5°13	12°8	7°17	10°6	29°18	7°8	28°4	2°3	0°52	29°11	8°51	F 16
S 17	16 15 28	4°51'17	11♏15	12°51	4°36	12°53	7°31	10°6	29°17	7°10	28°4	1°53	0°49	29°17	8°57	S 17
S 18	16 19 24	5°48'45	25°10	14°22	3°58	13°38	7°45	10°5	29°17	7°12	28°4	1°43	0°45	29°24	9°3	S 18
M19	16 23 21	6°46'12	9♌16	15°56	3°21	14°23	7°59	10°4	29°16	7°14	28°4	1°33	0°42	29°31	9°9	M19
T 20	16 27 18	7°43'38	23°30	17°33	2°44	15°7	8°13	10°4	29°16	7°16	28°R 4	1°25	0°39	29°37	9°15	T 20
W21	16 31 14	8°41'03	7♌46	19°12	2°8	15°52	8°27	10°3	29°15	7°18	28°4	1°20	0°36	29°44	9°21	W21
T 22	16 35 11	9°38'26	22°2	20°54	1°33	16°37	8°41	10°2	29°15	7°20	28°4	1°16	0°33	29°51	9°27	T 22
F 23	16 39 7	10°35'49	6♏13	22°38	0°59	17°21	8°55	10°0	29°15	7°22	28°4	1°D15	0°29	29°57	9°33	F 23
S 24	16 43 4	11°33'10	20°19	24°25	0°27	18°6	9°9	9°59	29°15	7°24	28°4	1°15	0°26	0♌4	9°39	S 24
S 25	16 47 0	12°30'30	4♌19	26°15	29♌56	18°50	9°23	9°58	29°14	7°26	28°4	1°R16	0°23	0°11	9°45	S 25
M26	16 50 57	13°27'49	18°12	28°6	29°26	19°35	9°37	9°57	29°14	7°28	28°4	1°15	0°20	0°17	9°51	M26
T 27	16 54 53	14°25'07	1♌57	0♏1	28°59	20°19	9°50	9°55	29°14	7°29	28°4	1°11	0°17	0°24	9°57	T 27
W28	16 58 50	15°22'25	15°33	1°57	28°34	21°3	10°4	9°54	29°D14	7°31	28°3	1°6	0°14	0°31	10°3	W28
T 29	17 2 46	16°19'41	28°59	3°56	28°10	21°47	10°18	9°52	29°14	7°33	28°3	0°57	0°10	0°37	10°10	T 29
F 30	17 6 43	17°16'57	12♌13	5°57	27°49	22°32	10°32	9°50	29°14	7°35	28°3	0°46	0°7	0°44	10°16	F 30
S 31	17 10 40	18♏14'12	25♌12	8♏0	27♌30	23♊16	10♏46	9♌48	29♏14	7♌37	28♌3	0♌34	0♌4	0♌51	10♌22	S 31

Delta T = 179.14 sec

Julian Calendar 1 May 1550 == Greg. Calendar 11 May 1550

JUNE 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 14 36	19♏11'27	7♌57	10♏5	27°R14	24♊0	11♏0	9°R46	29♏14	7♌39	28°R 2	0°R22	0♌1	0♌57	10♌28	S 1
M 2	17 18 33	20°8'41	20°26	12°11	27♌0	24°44	11°14	9°44	29°15	7°40	28°R 2	0°10	29♏58	1°4	10°35	M 2
T 3	17 22 29	21°5'55	2♌41	14°19	26°48	25°28	11°27	9°42	29°15	7°42	28°2	0°1	29°55	1°11	10°41	T 3
W 4	17 26 26	22°3'08	14°44	16°28	26°39	26°11	11°41	9°40	29°15	7°44	28°1	29♏54	29°51	1°17	10°47	W 4
T 5	17 30 22	23°0'21	26°38	18°38	26°32	26°55	11°55	9°38	29°16	7°46	28°1	29°49	29°48	1°24	10°54	T 5
F 6	17 34 19	23°57'34	8♌28	20°49	26°28	27°39	12°9	9°35	29°16	7°47	28°1	29°47	29°45	1°31	11°0	F 6
S 7	17 38 16	24°54'47	20°17	23°0	26°D25	28°23	12°22	9°33	29°17	7°49	28°0	29°46	29°42	1°37	11°7	S 7
S 8	17 42 12	25°52'00	2♊12	25°12	26°26	29°6	12°36	9°30	29°17	7°51	28°0	29°46	29°39	1°44	11°13	S 8
M 9	17 46 9	26°49'12	14°18	27°23	26°28	29°50	12°50	9°28	29°18	7°52	27°59	29°45	29°35	1°51	11°20	M 9
T 10	17 50 5	27°46'25	26°40	29°34	26°33	0♌33	13°3	9°25	29°18	7°54	27°59	29°44	29°32	1°57	11°26	T 10
W11	17 54 2	28°43'38	9♌23	19°44	26°40	1°17	13°17	9°22	29°19	7°56	27°58	29°39	29°29	2°4	11°33	W11
T 12	17 57 58	29°40'51	22°30	3°54	26°49	2°0	13°31	9°19	29°20	7°57	27°58	29°33	29°26	2°10	11°39	T 12
F 13	18 1 55	0♌38'03	6♏1	6°2	27°1	2°43	13°44	9°17	29°21	7°59	27°57	29°24	29°23	2°17	11°46	F 13
S 14	18 5 51	1°35'16	19°57	8°9	27°14	3°26	13°58	9°14	29°21	8°0	27°56	29°13	29°20	2°24	11°52	S 14
S 15	18 9 48	2°32'29	4♌14	10°15	27°29	4°9	14°11	9°10	29°22	8°2	27°56	29°1	29°16	2°30	11°59	S 15
M16	18 13 45	3°29'41	18°45	12°19	27°47	4°52	14°25	9°7	29°23	8°3	27°55	28°50	29°13	2°37	12°6	M16
T 17	18 17 41	4°26'54	3♌25	14°21	28°6	5°35	14°38	9°4	29°24	8°5	27°55	28°41	29°10	2°44	12°12	T 17
W18	18 21 38	5°24'06	18°4	16°22	28°27	6°18	14°52	9°1	29°25	8°6	27°54	28°34	29°7	2°50	12°19	W18
T 19	18 25 34	6°21'18	2♏37	18°21	28°49	7°1	15°5	8°58	29°27	8°7	27°53	28°30	29°4	2°57	12°26	T 19
F 20	18 29 31	7°18'30	17°0	20°18	29°13	7°43	15°18	8°54	29°28	8°9	27°53	28°28	29°1	3°4	12°32	F 20
S 21	18 33 27	8°15'41	1♌10	22°13	29°39	8°26	15°32	8°51	29°29	8°10	27°52	28°28	28°57	3°10	12°39	S 21
S 22	18 37 24	9°12'52	15°6	24°6	0♏7	9°9	15°45	8°47	29°30	8°11	27°51	28°28	28°54	3°17	12°46	S 22
M23	18 41 20	10°10'04	28°48	25°57	0°36	9°51	15°58	8°44	29°31	8°13	27°50	28°27	28°51	3°24	12°52	M23
T 24	18 45 17	11°7'15	12♏16	27°46	1°6	10°33	16°12	8°40	29°33	8°14	27°50	28°24	28°48	3°30	12°59	T 24
W25	18 49 14	12°4'26	25°33	29°34	1°38	11°16	16°25	8°36	29°34	8°15	27°49	28°18	28°45	3°37	13°6	W25
T 26	18 53 10	13°1'37	8♌37	1♏19	2°11	11°58	16°38	8°32	29°36	8°16	27°48	28°10	28°41	3°44	13°12	T 26
F 27	18 57 7	13°58'48	21°29	3°2	2°45	12°40	16°51	8°29	29°37	8°18	27°47	27°59	28°38	3°50	13°19	F 27
S 28	19 1 3	14°55'59	4♌10	4°44	3°21	13°22	17°4	8°25	29°39	8°19	27°46	27°47	28°35	3°57	13°26	S 28
S 29	19 5 0	15°53'11	16°39	6°23	3°58	14°4	17°17	8°21	29°40	8°20	27°45	27°35	28°32	4°4	13°32	S 29
M30	19 8 56	16°50'23	28♌56	8♏1	4♏36	14♌45	17♏30	8♌17	29♏42	8♌21	27°44	27♏24	28♏29	4♌10	13°39	M30

Delta T = 178.95 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1550
geocentric

JULY 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 12 53	17°54'35	11°33' 3	9°36	5°11'15	15°27	17°43	8°R13	29°44	8°22	27°R43	27°R14	28°26	4°17	13°46	T 1
W 2	19 16 49	18°44'48	23° 0	11°10	5°55	16° 9	17°56	8° 9	29°46	8°23	27°43	27° 7	28°22	4°24	13°52	W 2
T 3	19 20 46	19°42'02	4°51	12°42	6°37	16°50	18° 8	8° 5	29°47	8°24	27°42	27° 2	28°19	4°30	13°59	T 3
F 4	19 24 43	20°39'16	16°38	14°11	7°19	17°32	18°21	8° 1	29°49	8°25	27°41	27° 0	28°16	4°37	14° 6	F 4
S 5	19 28 39	21°36'31	28°27	15°39	8° 2	18°13	18°34	7°56	29°51	8°26	27°40	26°D59	28°13	4°44	14°12	S 5
S 6	19 32 36	22°33'46	10°21	17° 4	8°46	18°54	18°46	7°52	29°53	8°27	27°39	27° 0	28°10	4°50	14°19	S 6
M 7	19 36 32	23°31'03	22°26	18°28	9°32	19°35	18°59	7°48	29°55	8°28	27°38	27°R 0	28° 7	4°57	14°26	M 7
T 8	19 40 29	24°28'20	4°47	19°49	10°17	20°16	19°11	7°44	29°57	8°28	27°37	27° 0	28° 3	5° 4	14°32	T 8
W 9	19 44 25	25°25'39	17°29	21° 9	11° 4	20°57	19°24	7°39	29°59	8°29	27°36	26°57	28° 0	5°10	14°39	W 9
T 10	19 48 22	26°22'58	0°37	22°26	11°52	21°38	19°36	7°35	0° 1	8°30	27°35	26°53	27°57	5°17	14°46	T 10
F 11	19 52 18	27°20'18	14°12	23°41	12°40	22°19	19°49	7°31	0° 3	8°31	27°33	26°46	27°54	5°24	14°52	F 11
S 12	19 56 15	28°17'40	28°15	24°54	13°29	23° 0	20° 1	7°26	0° 6	8°32	27°32	26°38	27°51	5°30	14°59	S 12
S 13	20 0 12	29°15'02	12°43	26° 4	14°19	23°40	20°13	7°22	0° 8	8°32	27°31	26°29	27°47	5°37	15° 6	S 13
M14	20 4 8	0°12'25	27°30	27°12	15° 9	24°21	20°25	7°17	0°10	8°33	27°30	26°21	27°44	5°44	15°12	M14
T 15	20 8 5	1° 9'49	12°29	28°17	16° 0	25° 1	20°37	7°13	0°13	8°33	27°29	26°14	27°41	5°50	15°19	T 15
W16	20 12 1	2° 7'14	27°30	29°20	16°52	25°41	20°49	7° 9	0°15	8°34	27°28	26° 9	27°38	5°57	15°25	W16
T 17	20 15 58	3° 4'39	12°24	0°20	17°45	26°21	21° 1	7° 4	0°17	8°35	27°27	26° 6	27°35	6° 4	15°32	T 17
F 18	20 19 54	4° 2'05	27° 5	1°18	18°38	27° 1	21°13	7° 0	0°20	8°35	27°26	26°D 5	27°32	6°10	15°38	F 18
S 19	20 23 51	4°59'32	11°27	2°12	19°31	27°41	21°25	6°55	0°22	8°36	27°24	26° 6	27°28	6°17	15°45	S 19
S 20	20 27 47	5°57'00	25°29	3° 3	20°25	28°21	21°37	6°51	0°25	8°36	27°23	26° 7	27°25	6°24	15°51	S 20
M21	20 31 44	6°54'28	9°11	3°51	21°20	29° 0	21°48	6°46	0°27	8°37	27°22	26°R 7	27°22	6°30	15°58	M21
T 22	20 35 41	7°51'57	22°33	4°36	22°15	29°40	22° 0	6°42	0°30	8°37	27°21	26° 6	27°19	6°37	16° 4	T 22
W23	20 39 37	8°49'27	5°27	5°17	23°10	0°19	22°11	6°37	0°33	8°37	27°20	26° 3	27°16	6°43	16°11	W23
T 24	20 43 34	9°46'57	18°27	5°54	24° 6	0°59	22°23	6°33	0°35	8°38	27°19	25°58	27°13	6°50	16°17	T 24
F 25	20 47 30	10°44'29	1° 3	6°27	25° 3	1°38	22°34	6°28	0°38	8°38	27°17	25°51	27° 9	6°57	16°23	F 25
S 26	20 51 27	11°42'02	13°28	6°56	26° 0	2°17	22°45	6°24	0°41	8°38	27°16	25°44	27° 6	7° 3	16°30	S 26
S 27	20 55 23	12°39'35	25°42	7°21	26°58	2°56	22°56	6°20	0°44	8°38	27°15	25°36	27° 3	7°10	16°36	S 27
M28	20 59 20	13°37'10	7°47	7°41	27°55	3°34	23° 7	6°15	0°46	8°39	27°14	25°29	27° 0	7°17	16°42	M28
T 29	21 3 16	14°34'46	19°44	7°56	28°54	4°13	23°18	6°11	0°49	8°39	27°12	25°22	26°57	7°23	16°48	T 29
W30	21 7 13	15°32'23	1°36	8° 6	29°53	4°51	23°29	6° 6	0°52	8°39	27°11	25°18	26°53	7°30	16°55	W30
T 31	21 11 10	16°30'01	13°24	8°R11	0°52	5°30	23°40	6° 2	0°55	8°39	27°10	25°15	26°50	7°37	17° 1	T 31

Delta T = 178.78 sec Julian Calendar 1 July 1550 == Greg. Calendar 11 July 1550

AUGUST 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 15 6	17°27'41	25°11	8°R11	1°51	6°II 8	23°II51	5°R58	0°58	8°39	27°R 9	25°D15	26°47	7°43	17° 7	F 1
S 2	21 19 3	18°25'22	7° 0	8° 5	2°51	6°46	24° 1	5°53	1° 1	8°39	27° 7	25°15	26°44	7°50	17°13	S 2
S 3	21 22 59	19°23'05	18°56	7°54	3°51	7°24	24°12	5°49	1° 4	8°39	27° 6	25°17	26°41	7°57	17°19	S 3
M 4	21 26 56	20°20'50	1° 1	7°36	4°52	8° 2	24°22	5°45	1° 7	8°39	27° 5	25°18	26°38	8° 3	17°25	M 4
T 5	21 30 52	21°18'36	13°21	7°13	5°53	8°40	24°33	5°40	1°10	8°39	27° 4	25°20	26°34	8°10	17°31	T 5
W 6	21 34 49	22°16'24	26° 1	6°45	6°54	9°17	24°43	5°36	1°13	8°39	27° 2	25°R20	26°31	8°17	17°37	W 6
T 7	21 38 45	23°14'14	9°II 5	6°11	7°56	9°55	24°53	5°32	1°17	8°39	27° 1	25°19	26°28	8°23	17°43	T 7
F 8	21 42 42	24°12'05	22°35	5°31	8°58	10°32	25° 3	5°28	1°20	8°39	27° 0	25°16	26°25	8°30	17°49	F 8
S 9	21 46 39	25° 9'59	6°34	4°47	10° 0	11° 9	25°13	5°24	1°23	8°38	26°58	25°13	26°22	8°37	17°55	S 9
S 10	21 50 35	26° 7'54	21° 0	3°59	11° 3	11°46	25°23	5°20	1°26	8°38	26°57	25° 9	26°19	8°43	18° 1	S 10
M11	21 54 32	27° 5'51	5°49	3° 8	12° 6	12°23	25°32	5°16	1°29	8°38	26°56	25° 5	26°15	8°50	18° 7	M11
T 12	21 58 28	28° 3'49	20°54	2°14	13° 9	13° 0	25°42	5°12	1°33	8°38	26°55	25° 1	26°12	8°57	18°12	T 12
W13	22 2 25	29° 1'49	6° 6	1°19	14°12	13°36	25°51	5° 8	1°36	8°37	26°53	24°59	26° 9	9° 3	18°18	W13
T 14	22 6 21	29°59'51	21°15	0°23	15°16	14°12	26° 1	5° 4	1°39	8°37	26°52	24°D58	26° 6	9°10	18°24	T 14
F 15	22 10 18	0°57'54	6°12	29°28	16°20	14°49	26°10	5° 0	1°43	8°37	26°51	24°59	26° 3	9°16	18°29	F 15
S 16	22 14 14	1°55'58	20°50	28°34	17°24	15°25	26°19	4°57	1°46	8°36	26°49	25° 0	25°59	9°23	18°35	S 16
S 17	22 18 11	2°54'04	5° 5	27°44	18°28	16° 0	26°28	4°53	1°50	8°36	26°48	25° 1	25°56	9°30	18°40	S 17
M18	22 22 7	3°52'12	18°54	26°58	19°33	16°36	26°37	4°49	1°53	8°35	26°47	25° 2	25°53	9°36	18°46	M18
T 19	22 26 4	4°50'20	2°20	26°18	20°38	17°11	26°46	4°46	1°56	8°35	26°46	25°R 3	25°50	9°43	18°51	T 19
W20	22 30 1	5°48'31	15°22	25°43	21°43	17°47	26°54	4°42	2° 0	8°34	26°44	25° 3	25°47	9°50	18°56	W20
T 21	22 33 57	6°46'43	28° 5	25°16	22°48	18°22	27° 3	4°39	2° 3	8°34	26°43	25° 1	25°44	9°56	19° 2	T 21
F 22	22 37 54	7°44'56	10°32	24°57	23°54	18°57	27°11	4°35	2° 7	8°33	26°42	25° 0	25°40	10° 3	19° 7	F 22
S 23	22 41 50	8°43'11	22°45	24°46	25° 0	19°32	27°19	4°32	2°10	8°32	26°40	24°57	25°37	10°10	19°12	S 23
S 24	22 45 47	9°41'27	4°48	24°D44	26° 6	20° 6	27°27	4°29	2°14	8°32	26°39	24°55	25°34	10°16	19°17	S 24
M25	22 49 43	10°39'46	16°44	24°51	27°12	20°41	27°35	4°26	2°18	8°31	26°38	24°53	25°31	10°23	19°22	M25
T 26	22 53 40	11°38'05	28°35	25° 7	28°19	21°15	27°43	4°22	2°21	8°30	26°37	24°51	25°28	10°30	19°27	T 26
W27	22 57 36	12°36'27	10°24	25°32	29°25	21°49	27°51	4°19	2°25	8°29	26°36	24°50	25°24	10°36	19°32	W27
T 28	23 1 33	13°34'51	22°12	26° 6	0°32	22°23	27°58	4°16	2°28	8°29	26°34	24°D49	25°21	10°43	19°37	T 28
F 29	23 5 30	14°33'16	4° 2	26°49	1°39	22°56	28° 6	4°14	2°32	8°28	26°33	24°50	25°18	10°50	19°42	F 29
S 30	23 9 26	15°31'43	15°56	27°39	2°46	23°29	28°13	4°11	2°36	8°27	26°32	24°50	25°15	10°56	19°47	S 30
S 31	23 13 23	16°30'13	27°57	28°38	3°54	24°II 3	28°II20	4° 8	2°39	8°26	26°31	24°51	25°12	11° 3	19°52	S 31

Delta T = 178.59 sec Julian Calendar

ASTRODIENST EPHEMERIS for the year 1550

geocentric

SEPTEMBER 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	23 17 19	17 ^h 28'44"	10 ^h 8' 8"	29 ^h 04'3"	5 ^h 01' 1"	24 ^h 11'36"	28 ^h 11'27"	4 ^h 09' 5"	2 ^h 44'3"	8 ^h 02'25"	26 ^h 02'29"	24 ^h 02'52"	25 ^h 02' 9"	11 ^h 11'10"	19 ^h 05'56"	M 1
T 2	23 21 16	18 ^h 27'18"	22 ^h 32' 0"	0 ^h 05'55"	6 ^h 09' 9"	25 ^h 08' 8"	28 ^h 34' 4"	4 ^h 33' 3"	2 ^h 47' 8"	8 ^h 02'24"	26 ^h 02'28"	24 ^h 05'25"	25 ^h 05' 5"	11 ^h 16' 1"	20 ^h 01' 1"	T 2
W 3	23 25 12	19 ^h 25'54"	5 ^h 11'13"	2 ^h 13' 2"	7 ^h 17' 1"	25 ^h 41' 8"	28 ^h 41' 4"	4 ^h 00' 0"	2 ^h 50' 8"	8 ^h 23' 2"	26 ^h 27' 2"	24 ^h 05'35"	25 ^h 05' 2"	11 ^h 23' 5"	20 ^h 05' 5"	W 3
T 4	23 29 9	20 ^h 24'32"	18 ^h 14' 3"	3 ^h 37' 8"	8 ^h 25' 3"	26 ^h 13' 8"	28 ^h 47' 3"	3 ^h 58' 8"	2 ^h 54' 8"	8 ^h 22' 2"	26 ^h 26' 2"	24 ^h 05'35"	24 ^h 05'29"	11 ^h 29' 9"	20 ^h 10' 9"	T 4
F 5	23 33 5	21 ^h 23'12"	1 ^h 03'38"	5 ^h 05' 5"	9 ^h 34' 4"	26 ^h 45' 8"	28 ^h 54' 3"	3 ^h 56' 8"	2 ^h 58' 8"	8 ^h 21' 2"	26 ^h 25' 2"	24 ^h 05'35"	24 ^h 05'56"	11 ^h 36' 4"	20 ^h 14' 4"	F 5
S 6	23 37 2	22 ^h 21'55"	15 ^h 26' 6"	6 ^h 38' 8"	10 ^h 42' 8"	27 ^h 17' 0"	29 ^h 00' 0"	3 ^h 53' 3"	3 ^h 02' 2"	8 ^h 20' 2"	26 ^h 24' 2"	24 ^h 05'35"	24 ^h 05'53"	11 ^h 43' 3"	20 ^h 19' 3"	S 6
S 7	23 40 59	23 ^h 20'40"	29 ^h 40' 8"	8 ^h 14' 8"	11 ^h 51' 8"	27 ^h 49' 6"	29 ^h 06' 6"	3 ^h 51' 3"	3 ^h 05' 5"	8 ^h 19' 8"	26 ^h 23' 8"	24 ^h 05'35"	24 ^h 05'50"	11 ^h 49' 8"	20 ^h 23' 8"	S 7
M 8	23 44 55	24 ^h 19'27"	14 ^h 01'16"	9 ^h 53' 8"	13 ^h 00' 0"	28 ^h 20' 8"	29 ^h 12' 8"	3 ^h 49' 3"	3 ^h 09' 9"	8 ^h 18' 8"	26 ^h 21' 8"	24 ^h 05'35"	24 ^h 04'46"	11 ^h 56' 8"	20 ^h 27' 8"	M 8
T 9	23 48 52	25 ^h 18'17"	29 ^h 11'11"	11 ^h 35' 4"	14 ^h 09' 9"	28 ^h 51' 8"	29 ^h 18' 8"	3 ^h 47' 3"	3 ^h 13' 3"	8 ^h 17' 8"	26 ^h 20' 8"	24 ^h 05'35"	24 ^h 04'43"	12 ^h 03' 3"	20 ^h 31' 3"	T 9
W10	23 52 48	26 ^h 17'08"	14 ^h 01'18"	13 ^h 18' 8"	15 ^h 18' 8"	29 ^h 22' 8"	29 ^h 23' 8"	3 ^h 45' 3"	3 ^h 17' 3"	8 ^h 16' 8"	26 ^h 19' 8"	24 ^h 05'35"	24 ^h 04'40"	12 ^h 09' 9"	20 ^h 35' 9"	W10
T 11	23 56 45	27 ^h 16'02"	29 ^h 28'15"	15 ^h 04' 4"	16 ^h 27' 8"	29 ^h 53' 8"	29 ^h 29' 8"	3 ^h 44' 3"	3 ^h 20' 3"	8 ^h 15' 8"	26 ^h 18' 8"	24 ^h 05'35"	24 ^h 04'37"	12 ^h 16' 8"	20 ^h 39' 8"	T 11
F 12	0 0 41	28 ^h 14'58"	14 ^h 01'31"	16 ^h 50' 8"	17 ^h 37' 8"	0 ^h 05'23"	29 ^h 34' 8"	3 ^h 42' 3"	3 ^h 24' 3"	8 ^h 14' 8"	26 ^h 17' 8"	24 ^h 05'25"	24 ^h 04'34"	12 ^h 23' 8"	20 ^h 43' 8"	F 12
S 13	0 4 38	29 ^h 13'55"	29 ^h 19'18"	18 ^h 37' 8"	18 ^h 46' 8"	0 ^h 53' 8"	29 ^h 39' 8"	3 ^h 40' 3"	3 ^h 28' 3"	8 ^h 12' 8"	26 ^h 16' 8"	24 ^h 05'25"	24 ^h 04'30"	12 ^h 29' 8"	20 ^h 47' 8"	S 13
S 14	0 8 34	0 ^h 12'55"	13 ^h 01'45"	20 ^h 25' 8"	19 ^h 56' 8"	1 ^h 23' 8"	29 ^h 44' 8"	3 ^h 39' 3"	3 ^h 32' 3"	8 ^h 11' 8"	26 ^h 15' 8"	24 ^h 05'25"	24 ^h 04'27"	12 ^h 36' 8"	20 ^h 51' 8"	S 14
M15	0 12 31	1 ^h 11'56"	27 ^h 46'22"	22 ^h 13' 8"	21 ^h 06' 8"	1 ^h 53' 8"	29 ^h 49' 8"	3 ^h 37' 3"	3 ^h 35' 8"	8 ^h 10' 8"	26 ^h 14' 8"	24 ^h 05'25"	24 ^h 04'24"	12 ^h 43' 8"	20 ^h 54' 8"	M15
T 16	0 16 27	2 ^h 10'59"	11 ^h 01'19"	24 ^h 02' 2"	22 ^h 16' 8"	2 ^h 22' 8"	29 ^h 53' 8"	3 ^h 36' 3"	3 ^h 39' 8"	8 ^h 09' 8"	26 ^h 13' 8"	24 ^h 05'25"	24 ^h 04'21"	12 ^h 49' 8"	20 ^h 58' 8"	T 16
W17	0 20 24	3 ^h 10'04"	24 ^h 26'25"	25 ^h 50' 8"	23 ^h 26' 8"	2 ^h 51' 8"	29 ^h 57' 8"	3 ^h 35' 3"	3 ^h 43' 8"	8 ^h 07' 8"	26 ^h 12' 8"	24 ^h 05'25"	24 ^h 04'18"	12 ^h 56' 8"	21 ^h 01' 8"	W17
T 18	0 24 21	4 ^h 09'11"	7 ^h 01'30"	27 ^h 38' 8"	24 ^h 36' 8"	3 ^h 20' 8"	0 ^h 05'22"	3 ^h 34' 3"	3 ^h 47' 8"	8 ^h 06' 8"	26 ^h 11' 8"	24 ^h 05'25"	24 ^h 04'15"	13 ^h 03' 8"	21 ^h 05' 8"	T 18
F 19	0 28 17	5 ^h 08'20"	19 ^h 34'29"	29 ^h 26' 8"	25 ^h 46' 8"	3 ^h 48' 8"	0 ^h 06' 8"	3 ^h 33' 3"	3 ^h 51' 8"	8 ^h 05' 8"	26 ^h 10' 8"	24 ^h 05'25"	24 ^h 04'11"	13 ^h 09' 8"	21 ^h 08' 8"	F 19
S 20	0 32 14	6 ^h 07'30"	1 ^h 01'43"	1 ^h 01'43"	26 ^h 57' 8"	4 ^h 16' 8"	0 ^h 10' 8"	3 ^h 32' 3"	3 ^h 54' 8"	8 ^h 03' 8"	26 ^h 09' 8"	24 ^h 05'25"	24 ^h 04'08"	13 ^h 16' 8"	21 ^h 11' 8"	S 20
S 21	0 36 10	7 ^h 06'42"	13 ^h 41'03"	3 ^h 00' 8"	28 ^h 07' 8"	4 ^h 44' 8"	0 ^h 13' 8"	3 ^h 31' 3"	3 ^h 58' 8"	8 ^h 02' 8"	26 ^h 08' 8"	24 ^h 05'25"	24 ^h 04'05"	13 ^h 22' 8"	21 ^h 15' 8"	S 21
M22	0 40 7	8 ^h 05'56"	25 ^h 32'04"	4 ^h 46' 8"	29 ^h 18' 8"	5 ^h 11' 8"	0 ^h 17' 8"	3 ^h 30' 3"	4 ^h 02' 8"	8 ^h 00' 8"	26 ^h 07' 8"	24 ^h 05'35"	24 ^h 04'02"	13 ^h 29' 8"	21 ^h 18' 8"	M22
T 23	0 44 3	9 ^h 05'12"	7 ^h 01'39"	6 ^h 31' 8"	0 ^h 09'29"	5 ^h 38' 8"	0 ^h 20' 8"	3 ^h 30' 3"	4 ^h 06' 8"	7 ^h 59' 8"	26 ^h 06' 8"	24 ^h 05'35"	23 ^h 59' 8"	13 ^h 36' 8"	21 ^h 21' 8"	T 23
W24	0 48 0	10 ^h 04'29"	19 ^h 07'08"	8 ^h 16' 8"	1 ^h 40' 8"	6 ^h 05' 8"	0 ^h 23' 8"	3 ^h 29' 8"	4 ^h 09' 8"	7 ^h 58' 8"	26 ^h 06' 8"	24 ^h 05'35"	23 ^h 55' 8"	13 ^h 42' 8"	21 ^h 24' 8"	W24
T 25	0 51 56	11 ^h 03'49"	0 ^h 07'59"	10 ^h 01' 8"	2 ^h 51' 8"	6 ^h 32' 8"	0 ^h 26' 8"	3 ^h 29' 8"	4 ^h 13' 8"	7 ^h 56' 8"	26 ^h 05' 8"	24 ^h 05'35"	23 ^h 52' 8"	13 ^h 49' 8"	21 ^h 27' 8"	T 25
F 26	0 55 53	12 ^h 03'11"	12 ^h 55'11"	11 ^h 44' 8"	4 ^h 02' 8"	6 ^h 58' 8"	0 ^h 29' 8"	3 ^h 29' 8"	4 ^h 17' 8"	7 ^h 55' 8"	26 ^h 04' 8"	24 ^h 05'35"	23 ^h 49' 8"	13 ^h 56' 8"	21 ^h 29' 8"	F 26
S 27	0 59 50	13 ^h 02'35"	24 ^h 59'13"	13 ^h 27' 8"	5 ^h 14' 8"	7 ^h 24' 8"	0 ^h 31' 8"	3 ^h 28' 3"	4 ^h 21' 8"	7 ^h 53' 8"	26 ^h 03' 8"	24 ^h 05'25"	23 ^h 46' 8"	14 ^h 02' 8"	21 ^h 32' 8"	S 27
S 28	1 3 46	14 ^h 02'00"	7 ^h 01'13"	15 ^h 09' 8"	6 ^h 25' 8"	7 ^h 49' 8"	0 ^h 34' 8"	3 ^h 28' 3"	4 ^h 24' 8"	7 ^h 52' 8"	26 ^h 02' 8"	24 ^h 05'25"	23 ^h 43' 8"	14 ^h 09' 8"	21 ^h 35' 8"	S 28
M29	1 7 43	15 ^h 01'29"	19 ^h 37'16"	16 ^h 51' 8"	7 ^h 37' 8"	8 ^h 14' 8"	0 ^h 36' 8"	3 ^h 28' 3"	4 ^h 28' 8"	7 ^h 50' 8"	26 ^h 02' 8"	24 ^h 04'47"	23 ^h 40' 8"	14 ^h 16' 8"	21 ^h 37' 8"	M29
T 30	1 11 39	16 ^h 01'59"	2 ^h 11'13"	18 ^h 01'31"	8 ^h 04'48"	8 ^h 03'39"	0 ^h 38' 8"	3 ^h 28' 3"	4 ^h 32' 8"	7 ^h 04'49"	26 ^h 01' 8"	24 ^h 04'43"	23 ^h 03'36"	14 ^h 22' 8"	21 ^h 40' 8"	T 30

Delta T = 178.41 sec

Julian Calendar 1 Sept. 1550 == Greg. Calendar 11 Sept. 1550

OCTOBER 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 15 36	17♌ 0°31	15♊ 3	20♌12	10♏ 0	9♍ 3	0♌40	3♏28	4♌36	7°R47	26°R 0	24°R40	23♏33	14♏29	21♌42	W 1
T 2	1 19 32	18° 0'06	28° 8	21°51	11°12	9°27	0°41	3°29	4°39	7♌46	25♏59	24♏38	23°30	14°36	21°44	T 2
F 3	1 23 29	18°59'44	11♌30	23°30	12°24	9°51	0°43	3°29	4°43	7°44	25°59	24°37	23°27	14°42	21°46	F 3
S 4	1 27 25	19°59'23	25°11	25° 8	13°36	10°14	0°44	3°30	4°47	7°42	25°58	24°D37	23°24	14°49	21°48	S 4
S 5	1 31 22	20°59'05	9♏10	26°45	14°48	10°37	0°45	3°30	4°50	7°41	25°57	24°38	23°21	14°56	21°50	S 5
M 6	1 35 19	21°58'49	23°28	28°22	16° 0	10°59	0°46	3°31	4°54	7°39	25°57	24°39	23°17	15° 2	21°52	M 6
T 7	1 39 15	22°58'36	8♏ 3	29°59	17°13	11°21	0°46	3°32	4°58	7°38	25°56	24°40	23°14	15° 9	21°54	T 7
W 8	1 43 12	23°58'24	22°50	1♌34	18°25	11°42	0°47	3°33	5° 1	7°36	25°56	24°R41	23°11	15°15	21°56	W 8
T 9	1 47 8	24°58'15	7♌44	3°10	19°38	12° 3	0°R47	3°34	5° 5	7°34	25°55	24°41	23° 8	15°22	21°57	T 9
F 10	1 51 5	25°58'08	22°37	4°44	20°50	12°24	0°47	3°35	5° 9	7°33	25°55	24°39	23° 5	15°29	21°59	F 10
S 11	1 55 1	26°58'03	7♌21	6°18	22° 3	12°44	0°47	3°36	5°12	7°31	25°54	24°35	23° 1	15°35	22° 0	S 11
S 12	1 58 58	27°57'59	21°48	7°52	23°16	13° 3	0°46	3°37	5°16	7°29	25°54	24°30	22°58	15°42	22° 1	S 12
M13	2 2 54	28°57'58	5♌53	9°25	24°29	13°23	0°46	3°39	5°19	7°28	25°53	24°24	22°55	15°49	22° 3	M13
T 14	2 6 51	29°57'58	19°33	10°58	25°41	13°41	0°45	3°40	5°23	7°26	25°53	24°19	22°52	15°55	22° 4	T 14
W15	2 10 48	0♌58'00	2♌46	12°30	26°54	13°59	0°44	3°42	5°26	7°24	25°52	24°15	22°49	16° 2	22° 5	W15
T 16	2 14 44	1°58'04	15°34	14° 2	28° 8	14°17	0°43	3°43	5°30	7°23	25°52	24°12	22°46	16° 9	22° 6	T 16
F 17	2 18 41	2°58'10	28° 0	15°33	29°21	14°34	0°41	3°45	5°33	7°21	25°51	24°D10	22°42	16°15	22° 6	F 17
S 18	2 22 37	3°58'16	10♏ 9	17° 4	0♌34	14°50	0°40	3°47	5°37	7°19	25°51	24°10	22°39	16°22	22° 7	S 18
S 19	2 26 34	4°58'25	22° 5	18°34	1°47	15° 6	0°38	3°49	5°40	7°18	25°51	24°11	22°36	16°29	22° 8	S 19
M20	2 30 30	5°58'35	3♌55	20° 4	3° 1	15°22	0°36	3°51	5°44	7°16	25°51	24°13	22°33	16°35	22° 8	M20
T 21	2 34 27	6°58'47	15°42	21°34	4°14	15°36	0°34	3°53	5°47	7°14	25°50	24°14	22°30	16°42	22° 9	T 21
W22	2 38 23	7°59'00	27°32	23° 3	5°27	15°51	0°31	3°56	5°50	7°13	25°50	24°R15	22°26	16°48	22° 9	W22
T 23	2 42 20	8°59'14	9♏27	24°31	6°41	16° 4	0°29	3°58	5°54	7°11	25°50	24°13	22°23	16°55	22° 9	T 23
F 24	2 46 16	9°59'31	31°33	25°59	7°55	16°17	0°26	4° 1	5°57	7° 9	25°50	24°10	22°20	17° 2	22° 9	F 24
S 25	2 50 13	10°59'49	♌349	27°26	9° 8	16°30	0°23	4° 3	6° 0	7° 7	25°49	24° 4	22°17	17° 8	22°R 9	S 25
S 26	2 54 10	12° 0'09	16°19	28°53	10°22	16°42	0°20	4° 6	6° 4	7° 6	25°49	23°57	22°14	17°15	22° 9	S 26
M27	2 58 6	13° 0'30	29° 2	0♌20	11°36	16°53	0°16	4° 9	6° 7	7° 4	25°49	23°48	22°11	17°22	22° 9	M27
T 28	3 2 3	14° 0'54	11♊58	1°46	12°50	17° 3	0°13	4°11	6°10	7° 2	25°49	23°38	22° 7	17°28	22° 9	T 28
W29	3 5 59	15° 1'19	25° 7	3°11	14° 4	17°13	0° 9	4°14	6°13	7° 1	25°49	23°30	22° 4	17°35	22° 9	W29
T 30	3 9 56	16° 1'46	8♌28	4°35	15°17	17°22	0° 5	4°17	6°16	6°59	25°49	23°22	22° 1	17°42	22° 8	T 30
F 31	3 13 52	17♌ 2'15	21♌59	5♌58	16♌32	17♌31	0♌ 1	4♏21	6♌19	6♌57	25°D49	23♏17	21♏58	17♏48	22♌ 8	F 31

ASTRODIENST EPHEMERIS for the year 1550

geocentric

NOVEMBER 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 17 49	18♌ 2'46	5♏42	7♍21	17♌46	17♌39	29°R57	4♌24	6♌23	6°R56	25♌49	23°R14	21♌55	17♌55	22°R 7	S 1
S 2	3 21 45	19° 3'18	19°36	8°43	19° 0	17°46	29♌52	4°27	6°26	6♌54	25°49	23°D14	21°52	18° 2	22♌ 6	S 2
M 3	3 25 42	20° 3'52	3♏40	10° 3	20°14	17°52	29°47	4°30	6°29	6°52	25°49	23♏14	21°48	18° 8	22° 5	M 3
T 4	3 29 39	21° 4'29	17°54	11°23	21°28	17°57	29°43	4°34	6°32	6°51	25°49	23°R15	21°45	18°15	22° 4	T 4
W 5	3 33 35	22° 5'07	2♌17	12°40	22°42	18° 2	29°38	4°38	6°34	6°49	25°49	23°15	21°42	18°21	22° 3	W 5
T 6	3 37 32	23° 5'46	16°45	13°57	23°57	18° 6	29°32	4°41	6°37	6°48	25°49	23°12	21°39	18°28	22° 2	T 6
F 7	3 41 28	24° 6'28	1♌14	15°11	25°11	18° 9	29°27	4°45	6°40	6°46	25°50	23° 8	21°36	18°35	22° 1	F 7
S 8	3 45 25	25° 7'10	15°39	16°23	26°25	18°12	29°22	4°49	6°43	6°44	25°50	23° 0	21°32	18°41	22° 0	S 8
S 9	3 49 21	26° 7'55	29°52	17°33	27°40	18°14	29°16	4°53	6°46	6°43	25°50	22°50	21°29	18°48	21°58	S 9
M10	3 53 18	27° 8'41	13♌49	18°40	28°54	18°14	29°10	4°57	6°49	6°41	25°50	22°39	21°26	18°55	21°57	M10
T 11	3 57 14	28° 9'28	27°25	19°45	0♌ 9	18°R14	29° 4	5° 1	6°51	6°40	25°51	22°28	21°23	19° 1	21°55	T 11
W12	4 1 11	29°10'16	10♌38	20°45	1°23	18°14	28°58	5° 5	6°54	6°38	25°51	22°18	21°20	19° 8	21°53	W12
T 13	4 5 8	0♌11'05	23°27	21°42	2°38	18°12	28°52	5° 9	6°57	6°37	25°51	22°10	21°17	19°15	21°51	T 13
F 14	4 9 4	1°11'55	5♌56	22°34	3°53	18°10	28°45	5°14	6°59	6°35	25°52	22° 4	21°13	19°21	21°50	F 14
S 15	4 13 1	2°12'46	18° 6	23°20	5° 7	18° 6	28°39	5°18	7° 2	6°34	25°52	22° 1	21°10	19°28	21°48	S 15
S 16	4 16 57	3°13'38	0♌ 3	24° 1	6°22	18° 2	28°32	5°22	7° 4	6°32	25°52	22°D 0	21° 7	19°35	21°45	S 16
M17	4 20 54	4°14'31	11°53	24°35	7°37	17°57	28°26	5°27	7° 7	6°31	25°53	22° 0	21° 4	19°41	21°43	M17
T 18	4 24 50	5°15'25	23°40	25° 2	8°51	17°51	28°19	5°32	7° 9	6°29	25°53	22°R 0	21° 1	19°48	21°41	T 18
W19	4 28 47	6°16'19	5♏31	25°20	10° 6	17°45	28°12	5°36	7°12	6°28	25°54	22° 0	20°58	19°55	21°39	W19
T 20	4 32 43	7°17'14	17°30	25°R29	11°21	17°37	28° 4	5°41	7°14	6°26	25°54	21°57	20°54	20° 1	21°36	T 20
F 21	4 36 40	8°18'10	29°41	25°28	12°36	17°29	27°57	5°46	7°16	6°25	25°55	21°51	20°51	20° 8	21°34	F 21
S 22	4 40 37	9°19'07	12♌ 9	25°17	13°50	17°19	27°50	5°51	7°19	6°24	25°55	21°43	20°48	20°14	21°31	S 22
S 23	4 44 33	10°20'05	24°54	24°54	15° 5	17° 9	27°43	5°56	7°21	6°22	25°56	21°32	20°45	20°21	21°28	S 23
M24	4 48 30	11°21'04	7♌57	24°20	16°20	16°58	27°35	6° 1	7°23	6°21	25°57	21°19	20°42	20°28	21°26	M24
T 25	4 52 26	12°22'03	21°17	23°34	17°35	16°47	27°27	6° 6	7°25	6°20	25°57	21° 6	20°38	20°34	21°23	T 25
W26	4 56 23	13°23'04	4♌51	23°38	18°50	16°34	27°20	6°11	7°27	6°18	25°58	20°53	20°35	20°41	21°20	W26
T 27	5 0 19	14°24'05	18°36	21°32	20° 5	16°21	27°12	6°17	7°29	6°17	25°59	20°43	20°32	20°48	21°17	T 27
F 28	5 4 16	15°25'07	2♏30	20°18	21°20	16° 7	27° 4	6°22	7°31	6°16	25°59	20°34	20°29	20°54	21°14	F 28
S 29	5 8 13	16°26'11	16°29	18°59	22°35	15°52	26°56	6°27	7°33	6°15	26° 0	20°29	20°26	21° 1	21°11	S 29
S 30	5 12 9	17♌27'15	0♏30	17♌37	23♌50	15♌36	26♌48	6♌33	7♌35	6♌14	26♌ 1	20♏27	20♏23	21♌ 8	21♌ 8	S 30

Delta T = 178.05 sec

Julian Calendar 1 Nov. 1550 == Greg. Calendar 11 Nov. 1550

DECEMBER 1550 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 16 6	18♌28'20	14♏34	16°R14	25♌ 5	15°R20	26°R40	6♌38	7♌37	6°R12	26♌ 2	20°R26	20♏19	21♌14	21°R 4	M 1
T 2	5 20 2	19°29'26	28°38	14♌53	26°20	15° 2	26♌32	6°44	7°39	6♌11	26° 2	20♏26	20°16	21°21	21♌ 1	T 2
W 3	5 23 59	20°30'33	12♌43	13°38	27°35	14°44	26°24	6°50	7°40	6°10	26° 3	20°25	20°13	21°28	20°58	W 3
T 4	5 27 55	21°31'40	26°48	12°30	28°50	14°26	26°16	6°55	7°42	6° 9	26° 4	20°22	20°10	21°34	20°54	T 4
F 5	5 31 52	22°32'49	10♌50	11°31	0♌ 5	14° 7	26° 8	7° 1	7°44	6° 8	26° 5	20°16	20° 7	21°41	20°51	F 5
S 6	5 35 48	23°33'58	24°47	10°42	1°20	13°47	26° 0	7° 7	7°45	6° 7	26° 6	20° 7	20° 4	21°47	20°47	S 6
S 7	5 39 45	24°35'08	8♌35	10° 3	2°35	13°27	25°52	7°13	7°47	6° 6	26° 7	19°55	20° 0	21°54	20°43	S 7
M 8	5 43 42	25°36'18	22°11	9°36	3°50	13° 6	25°44	7°19	7°48	6° 5	26° 8	19°42	19°57	22° 1	20°40	M 8
T 9	5 47 38	26°37'29	5♌31	9°19	5° 5	12°44	25°36	7°25	7°50	6° 4	26° 9	19°29	19°54	22° 7	20°36	T 9
W10	5 51 35	27°38'40	18°34	9°D12	6°21	12°22	25°27	7°31	7°51	6° 3	26°10	19°16	19°51	22°14	20°32	W10
T 11	5 55 31	28°39'51	1♌17	9°15	7°36	12° 0	25°19	7°37	7°52	6° 2	26°11	19° 6	19°48	22°21	20°28	T 11
F 12	5 59 28	29°41'03	13°42	9°27	8°51	11°37	25°11	7°43	7°54	6° 1	26°12	18°58	19°44	22°27	20°24	F 12
S 13	6 3 24	0♌42'14	25°51	9°47	10° 6	11°14	25° 3	7°49	7°55	6° 1	26°13	18°54	19°41	22°34	20°20	S 13
S 14	6 7 21	1°43'25	7♌48	10°14	11°21	10°51	24°55	7°55	7°56	6° 0	26°14	18°51	19°38	22°41	20°16	S 14
M15	6 11 17	2°44'36	19°38	10°48	12°36	10°27	24°47	8° 2	7°57	5°59	26°15	18°D51	19°35	22°47	20°12	M15
T 16	6 15 14	3°45'47	1°Y25	11°28	13°52	10° 4	24°39	8° 8	7°58	5°58	26°16	18°R51	19°32	22°54	20° 8	T 16
W17	6 19 11	4°46'57	13°16	12°14	15° 7	9°40	24°31	8°14	7°59	5°58	26°17	18°51	19°29	23° 1	20° 4	W17
T 18	6 23 7	5°48'08	25°15	13° 4	16°22	9°16	24°23	8°21	8° 0	5°57	26°18	18°49	19°25	23° 7	20° 0	T 18
F 19	6 27 4	6°49'18	7♌28	13°58	17°37	8°52	24°15	8°27	8° 1	5°56	26°19	18°45	19°22	23°14	19°56	F 19
S 20	6 31 0	7°50'28	20° 0	14°56	18°52	8°28	24° 8	8°34	8° 2	5°56	26°21	18°38	19°19	23°21	19°52	S 20
S 21	6 34 57	8°51'37	2♌53	15°57	20° 8	8° 4	24° 0	8°40	8° 2	5°55	26°22	18°29	19°16	23°27	19°47	S 21
M22	6 38 53	9°52'47	16° 9	17° 2	21°23	7°40	23°52	8°47	8° 3	5°54	26°23	18°18	19°13	23°34	19°43	M22
T 23	6 42 50	10°53'56	29°48	18° 9	22°38	7°17	23°45	8°53	8° 4	5°54	26°24	18° 6	19°10	23°40	19°39	T 23
W24	6 46 46	11°55'04	13♌45	19°18	23°53	6°53	23°38	9° 0	8° 4	5°53	26°26	17°55	19° 6	23°47	19°34	W24
T 25	6 50 43	12°56'13	27°58	20°30	25° 8	6°30	23°30	9° 7	8° 5	5°53	26°27	17°45	19° 3	23°54	19°30	T 25
F 26	6 54 40	13°57'21	12♏19	21°43	26°24	6° 7	23°23	9°14	8° 5	5°53	26°28	17°38	19° 0	24° 0	19°26	F 26
S 27	6 58 36	14°58'29	26°44	22°58	27°39	5°44	23°16	9°20	8° 6	5°52	26°29	17°34	18°57	24° 7	19°21	S 27
S 28	7 2 33	15°59'37	11♏ 8	24°15	28°54	5°22	23° 9	9°27	8° 6	5°52	26°31	17°D32	18°54	24°14	19°17	S 28
M29	7 6 29	17° 0'44	25°26	25°33	0♌ 9	5° 0	23° 2	9°34	8° 6	5°52	26°32	17°32	18°50	24°20	19°12	M29
T 30	7 10 26	18° 1'52	9♌36	26°52	1°24	4°39	22°55	9°41	8° 7	5°51	26°33	17°33	18°47	24°27	19° 8	T 30
W31	7 14 22	19♌25'59	23♌38	28♌13	2♌40	4♌18	22♌49	9♌48	8♌ 7	5♌51	26♌35	17°R33	18♏44	24♌34	19♌ 4	W31

Delta T = 177.87 sec

Julian Calendar