



Astrodienst Ephemeris Tables for the year 1584

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 D5EPX

ASTRODIENST EPHEMERIS for the year 1584

geocentric

JANUARY 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 38 56	9♂51'55	23♂25	17♂25	24♂R33	9♂43	22♂19	18♂2	24♂40	21♂R30	4♂59	12♂R 9	10♂58	16♂20	13♂56	S 1
M 2	6 42 53	10°53'04	7♂21	18°36	24♂9	10°29	22°28	18° 7	24°43	21♂29	4°59	12♂5	10°54	16°27	13°56	M 2
T 3	6 46 49	11°54'13	20°49	19°49	23°47	11°15	22°37	18°11	24°45	21°27	4°59	12° 2	10°51	16°34	13°57	T 3
W 4	6 50 46	12°55'22	3♂50	21° 4	23°27	12° 2	22°46	18°15	24°48	21°25	5° 0	12° 0	10°48	16°40	13°57	W 4
T 5	6 54 42	13°56'31	16°26	22°20	23° 9	12°48	22°55	18°20	24°51	21°24	5° 0	12°D 0	10°45	16°47	13°58	T 5
F 6	6 58 39	14°57'41	28°43	23°38	22°54	13°34	23° 4	18°24	24°54	21°22	5° 0	12° 1	10°42	16°54	13°58	F 6
S 7	7 2 35	15°58'50	10♂44	24°58	22°42	14°21	23°13	18°29	24°56	21°20	5° 1	12° 3	10°39	17° 0	13°59	S 7
S 8	7 6 32	16°59'59	22°36	26°18	22°32	15° 7	23°23	18°34	24°59	21°19	5° 1	12° 4	10°35	17° 7	14° 0	S 8
M 9	7 10 28	18° 1'08	4♂23	27°40	22°24	15°54	23°33	18°38	25° 2	21°17	5° 2	12° 6	10°32	17°14	14° 1	M 9
T 10	7 14 25	19° 2'16	16° 9	29° 3	22°19	16°40	23°43	18°43	25° 5	21°15	5° 2	12°R 6	10°29	17°20	14° 2	T 10
W11	7 18 22	20° 3'25	27°57	0♂26	22°17	17°27	23°53	18°48	25° 8	21°14	5° 3	12° 5	10°26	17°27	14° 2	W11
T 12	7 22 18	21° 4'32	9♂31	1°51	22°D17	18°13	24° 3	18°53	25°11	21°12	5° 3	12° 1	10°23	17°34	14° 3	T 12
F 13	7 26 15	22° 5'40	21°52	3°16	22°19	19° 0	24°13	18°58	25°14	21°10	5° 4	11°56	10°19	17°40	14° 5	F 13
S 14	7 30 11	23° 6'47	4♂3	4°42	22°24	19°47	24°23	19° 4	25°17	21° 9	5° 4	11°49	10°16	17°47	14° 6	S 14
S 15	7 34 8	24° 7'53	16°23	6° 9	22°31	20°33	24°34	19° 9	25°20	21° 7	5° 5	11°41	10°13	17°53	14° 7	S 15
M16	7 38 4	25° 8'58	28°55	7°37	22°40	21°20	24°44	19°14	25°23	21° 5	5° 6	11°32	10°10	18° 0	14° 8	M16
T 17	7 42 1	26°10'02	11♂38	9° 5	22°52	22° 7	24°55	19°20	25°26	21° 3	5° 6	11°25	10° 7	18° 7	14° 9	T 17
W18	7 45 57	27°11'05	24°34	10°35	23° 6	22°53	25° 6	19°25	25°30	21° 2	5° 7	11°18	10° 4	18°13	14°11	W18
T 19	7 49 54	28°12'08	7♂44	12° 4	23°21	23°40	25°16	19°31	25°33	21° 0	5° 7	11°14	10° 0	18°20	14°12	T 19
F 20	7 53 51	29°13'09	21° 9	13°35	23°39	24°27	25°27	19°36	25°36	20°58	5° 8	11°12	9°57	18°27	14°13	F 20
S 21	7 57 47	0♂14'09	4♂51	15° 6	23°59	25°14	25°38	19°42	25°39	20°57	5° 9	11°D12	9°54	18°33	14°15	S 21
S 22	8 1 44	1°15'08	18°51	16°38	24°21	26° 1	25°50	19°47	25°42	20°55	5°10	11°13	9°51	18°40	14°16	S 22
M23	8 5 40	2°16'06	3♂8	18°10	24°44	26°47	26° 1	19°53	25°46	20°53	5°10	11°14	9°48	18°47	14°18	M23
T 24	8 9 37	3°17'02	17°41	19°43	25° 9	27°34	26°12	19°59	25°49	20°52	5°11	11°R14	9°45	18°53	14°20	T 24
W25	8 13 33	4°17'58	2♂27	21°17	25°36	28°21	26°24	20° 5	25°52	20°50	5°12	11°12	9°41	19° 0	14°21	W25
T 26	8 17 30	5°18'52	17°19	22°52	26° 5	29° 8	26°35	20°11	25°55	20°49	5°13	11° 8	9°38	19° 7	14°23	T 26
F 27	8 21 26	6°19'45	2♂10	24°27	26°35	29°55	26°47	20°17	25°59	20°47	5°14	11° 1	9°35	19°13	14°25	F 27
S 28	8 25 23	7°20'37	16°51	26° 3	27° 7	0♂42	26°59	20°23	26° 2	20°45	5°14	10°52	9°32	19°20	14°27	S 28
S 29	8 29 20	8°21'27	1♂15	27°39	27°40	1°29	27°11	20°29	26° 5	20°44	5°15	10°42	9°29	19°27	14°29	S 29
M30	8 33 16	9°22'17	15°15	29°17	28°15	2°16	27°23	20°35	26° 9	20°42	5°16	10°33	9°25	19°33	14°31	M30
T 31	8 37 13	10°23'05	28♂49	0♂55	28♂51	3°33	27♂35	20♂42	26°12	20♂40	5♂17	10♂25	9♂22	19♂40	14♂33	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23s 7	9n 3	4s58	21s31	1n23	18s39	4n44	24s 1	0s53	4s13	1s16	6s44	2s10	14s 0	0s43	21n15
M 2	23 3	3 59	5 13	21 46	1 15	18 29	4 53	23 58	0 53	4 10	1 16	6 42	2 10	14 0	0 43	21 16
T 3	22 57	1s 7	5 10	22 0	1 6	18 20	5 1	23 54	0 53	4 6	1 16	6 40	2 10	13 59	0 43	21 16
W 4	22 52	5 59	4 52	22 14	0 57	18 11	5 9	23 50	0 54	4 2	1 16	6 39	2 10	13 58	0 43	21 16
T 5	22 46	10 28	4 19	22 28	0 49	18 3	5 16	23 47	0 54	4 15	1 15	6 37	2 10	13 57	0 43	21 17
F 6	22 39	14 24	3 36	22 40	0 40	17 56	5 23	23 42	0 55	3 54	1 15	6 35	2 9	13 56	0 43	21 17
S 7	22 32	17 40	2 43	22 52	0 32	17 49	5 29	23 38	0 55	3 51	1 15	6 33	2 9	13 55	0 43	21 17
S 8	22 25	20 9	1 45	23 3	0 23	17 44	5 34	23 33	0 55	3 47	1 15	6 31	2 9	13 54	0 43	21 17
M 9	22 17	21 45	0 42	23 13	0 15	17 39	5 38	23 28	0 56	3 43	1 15	6 29	2 9	13 53	0 43	21 18
T 10	22 8	22 24	0n22	23 22	0 7	17 34	5 42	23 23	0 56	3 38	1 14	6 27	2 9	13 52	0 43	21 18
W11	21 59	22 3	1 25	23 30	0s 1	17 31	5 46	23 17	0 56	3 34	1 14	6 25	2 9	13 51	0 43	21 18
T 12	21 50	20 43	2 25	23 37	0 9	17 28	5 48	23 11	0 57	3 30	1 14	6 22	2 8	13 50	0 43	21 18
F 13	21 41	18 26	3 19	23 43	0 16	17 26	5 51	23 5	0 57	3 26	1 14	6 20	2 8	13 49	0 43	21 19
S 14	21 30	15 19	4 5	23 48	0 23	17 24	5 53	22 59	0 57	3 22	1 14	6 18	2 8	13 48	0 43	21 19
S 15	21 20	11 31	4 40	23 52	0 31	17 24	5 54	22 52	0 58	3 17	1 13	6 16	2 8	13 47	0 43	21 19
M16	21 9	7 10	5 1	23 54	0 38	17 23	5 55	22 45	0 58	3 13	1 13	6 14	2 8	13 46	0 43	21 20
T 17	20 58	2 27	5 9	23 55	0 44	17 23	5 55	22 38	0 58	3 9	1 13	6 11	2 8	13 44	0 43	21 20
W18	20 46	2n26	5 1	23 55	0 51	17 24	5 55	22 31	0 59	3 4	1 13	6 9	2 8	13 43	0 43	21 20
T 19	20 34	7 18	4 37	23 54	0 57	17 25	5 55	22 23	0 59	3 0	1 13	6 7	2 7	13 42	0 43	21 20
F 20	20 22	11 56	3 57	23 51	1 3	17 27	5 54	22 15	0 59	2 55	1 13	6 5	2 7	13 41	0 43	21 21
S 21	20 9	16 3	3 3	23 47	1 9	17 29	5 53	22 7	1 0	2 51	1 12	6 2	2 7	13 40	0 43	21 21
S 22	19 55	19 21	1 58	23 42	1 15	17 31	5 51	21 58	1 0	2 46	1 12	6 0	2 7	13 39	0 43	21 21
M23	19 42	21 33	0 44	23 35	1 20	17 34	5 50	21 50	1 0	2 41	1 12	5 57	2 7	13 38	0 43	21 21
T 24	19 28	22 21	0s35	23 27	1 26	17 37	5 47	21 41	1 0	2 37	1 12	5 55	2 7	13 37	0 43	21 22
W25	19 14	21 37	1 52	23 18	1 30	17 40	5 45	21 32	1 1	2 32	1 12	5 53	2 7	13 36	0 43	21 22
T 26	18 59	19 22	3 1	23 7	1 35	17 44	5 42	21 22	1 1	2 27	1 12	5 50	2 7	13 35	0 43	21 22
F 27	18 44	15 51	3 59	22 54	1 39	17 47	5 40	21 13	1 1	2 22	1 11	5 48	2 6	13 33	0 43	21 22
S 28	18 29	11 23	4 39	22 41	1 43	17 51	5 37	21 3	1 1	2 17	1 11	5 45	2 6	13 32	0 43	21 23
S 29	18 13	6 22	5 1	22 25	1 47	17 55	5 33	20 53	1 2	2 13	1 11	5 43	2 6	13 31	0 43	21 23
M30	17 57	1 9	5 4	22 9	1 50	17 59	5 30	20 42	1 2	2 8	1 11	5 40	2 6	13 30	0 43	21 23
T 31	17s41	3s57	4s50	21s51	1s53	18s 3	5n26	20s32	1s 2	2s 3	1s11	5s38	2s 6	13s29	0s43	21n24

Julian Day Number = 2299603.5, Delta T = 113.12 sec
 Ecliptic obliquity = 23°29'33", Nutation = 0°00'17", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 18°56'05", Lahiri = 18°03'05"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1584

geocentric

FEBRUARY 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 41 9	11 ²³ 53	11 ²⁵ 56	2 ³³ 33	29 ²⁷ 28	3 ³³ 50	27 ⁴⁷ 47	20 ⁴⁸ 48	26 ¹⁵ 15	20 ³⁹ 39	5 ¹⁸ 18	10 ¹⁸ 18	9 ¹⁹ 19	19 ⁴⁶ 46	14 ³⁵ 35	W 1
T 2	8 45 6	12 ²⁴ 40	24 ³⁷ 37	4 ¹³ 13	0 ³ 7	4 ³⁷ 37	27 ⁵⁹ 59	20 ⁵⁴ 54	26 ¹⁹ 19	20 ³⁷ 37	5 ¹⁹ 19	10 ¹⁴ 14	9 ¹⁶ 16	19 ⁵³ 53	14 ³⁷ 37	T 2
F 3	8 49 2	13 ²⁵ 25	6 ³⁷ 37	5 ⁵³ 53	0 ⁴⁷ 47	5 ²⁴ 24	28 ¹¹ 11	21 ¹ 1	26 ²² 22	20 ³⁶ 36	5 ²⁰ 20	10 ¹² 12	9 ¹³ 13	20 ⁰ 0	14 ³⁹ 39	F 3
S 4	8 52 59	14 ²⁶ 10	19 ⁰ 0	7 ³⁵ 35	1 ²⁸ 28	6 ¹² 12	28 ²⁴ 24	21 ⁷ 7	26 ²⁶ 26	20 ³⁴ 34	5 ²¹ 21	10 ¹² 12	9 ¹⁰ 10	20 ⁶ 6	14 ⁴¹ 41	S 4
S 5	8 56 55	15 ²⁶ 54	0 ⁵³ 53	9 ¹⁷ 17	2 ¹⁰ 10	6 ⁵⁹ 59	28 ³⁶ 36	21 ¹⁴ 14	26 ²⁹ 29	20 ³³ 33	5 ²² 22	10 ¹³ 13	9 ⁶ 6	20 ¹³ 13	14 ⁴⁴ 44	S 5
M 6	9 0 52	16 ²⁷ 36	12 ⁴⁰ 40	10 ⁵⁹ 59	2 ⁵³ 53	7 ⁴⁶ 46	28 ⁴⁹ 49	21 ²⁰ 20	26 ³² 32	20 ³¹ 31	5 ²³ 23	10 ¹³ 13	9 ³ 3	20 ²⁰ 20	14 ⁴⁶ 46	M 6
T 7	9 4 49	17 ²⁸ 18	24 ²⁷ 27	12 ⁴³ 43	3 ³⁷ 37	8 ³³ 33	29 ¹ 1	21 ²⁷ 27	26 ³⁶ 36	20 ³⁰ 30	5 ²⁴ 24	10 ¹² 12	9 ⁰ 0	20 ²⁶ 26	14 ⁴⁸ 48	T 7
W 8	9 8 45	18 ²⁸ 58	6 ³⁸ 38	14 ²⁸ 28	4 ²² 22	9 ²⁰ 20	29 ¹⁴ 14	21 ³³ 33	26 ³⁹ 39	20 ²⁸ 28	5 ²⁵ 25	10 ⁹ 9	8 ⁵⁷ 57	20 ³³ 33	14 ⁵¹ 51	W 8
T 9	9 12 42	19 ²⁹ 37	18 ¹⁷ 17	16 ¹³ 13	5 ⁹ 9	10 ⁷ 7	29 ²⁷ 27	21 ⁴⁰ 40	26 ⁴³ 43	20 ²⁷ 27	5 ²⁶ 26	10 ³ 3	8 ⁵⁴ 54	20 ⁴⁰ 40	14 ⁵³ 53	T 9
F 10	9 16 38	20 ³⁰ 14	0 ²⁸ 28	17 ⁵⁹ 59	5 ⁵⁶ 56	10 ⁵⁴ 54	29 ⁴⁰ 40	21 ⁴⁷ 47	26 ⁴⁶ 46	20 ²⁵ 25	5 ²⁷ 27	9 ⁵⁴ 54	8 ⁵⁰ 50	20 ⁴⁶ 46	14 ⁵⁵ 55	F 10
S 11	9 20 35	21 ³⁰ 50	12 ⁵² 52	19 ⁴⁶ 46	6 ⁴⁴ 44	11 ⁴² 42	29 ⁵² 52	21 ⁵⁴ 54	26 ⁵⁰ 50	20 ²⁴ 24	5 ²⁸ 28	9 ⁴³ 43	8 ⁴⁷ 47	20 ⁵³ 53	14 ⁵⁸ 58	S 11
S 12	9 24 31	22 ³¹ 25	25 ²⁹ 29	21 ³⁴ 34	7 ³² 32	12 ²⁹ 29	0 ⁵ 5	22 ⁰ 0	26 ⁵³ 53	20 ²³ 23	5 ²⁹ 29	9 ³⁰ 30	8 ⁴⁴ 44	21 ⁰ 0	15 ¹ 1	S 12
M13	9 28 28	23 ³¹ 58	8 ²¹ 21	23 ²³ 23	8 ²² 22	13 ¹⁶ 16	0 ¹⁸ 18	22 ⁷ 7	26 ⁵⁶ 56	20 ²¹ 21	5 ³⁰ 30	9 ¹⁶ 16	8 ⁴¹ 41	21 ⁶ 6	15 ³ 3	M13
T 14	9 32 24	24 ³² 29	21 ²⁵ 25	25 ¹³ 13	9 ¹² 12	14 ³ 3	0 ³² 32	22 ¹⁴ 14	27 ⁰ 0	20 ²⁰ 20	5 ³² 32	9 ⁴ 4	8 ³⁸ 38	21 ¹³ 13	15 ⁶ 6	T 14
W15	9 36 21	25 ³² 59	4 ⁴¹ 41	27 ³ 3	10 ³ 3	14 ⁵¹ 51	0 ⁴⁵ 45	22 ²¹ 21	27 ³ 3	20 ¹⁹ 19	5 ³³ 33	8 ⁵⁴ 54	8 ³⁵ 35	21 ²⁰ 20	15 ⁸ 8	W15
T 16	9 40 18	26 ³³ 27	18 ⁷ 7	28 ⁵⁴ 54	10 ⁵⁵ 55	15 ³⁸ 38	0 ⁵⁸ 58	22 ²⁸ 28	27 ⁷ 7	20 ¹⁷ 17	5 ³⁴ 34	8 ⁴⁶ 46	8 ³¹ 31	21 ²⁶ 26	15 ¹¹ 11	T 16
F 17	9 44 14	27 ³³ 53	1 ⁸ 44	0 ⁴⁶ 46	11 ⁴⁷ 47	16 ²⁵ 25	1 ¹¹ 11	22 ³⁵ 35	27 ¹⁰ 10	20 ¹⁶ 16	5 ³⁵ 35	8 ⁴¹ 41	8 ²⁸ 28	21 ³³ 33	15 ¹⁴ 14	F 17
S 18	9 48 11	28 ³⁴ 17	15 ²⁹ 29	2 ³⁹ 39	12 ⁴⁰ 40	17 ¹² 12	1 ²⁵ 25	22 ⁴² 42	27 ¹⁴ 14	20 ¹⁵ 15	5 ³⁶ 36	8 ³⁹ 39	8 ²⁵ 25	21 ⁴⁰ 40	15 ¹⁷ 17	S 18
S 19	9 52 7	29 ³⁴ 39	29 ²⁵ 25	4 ³² 32	13 ³⁴ 34	18 ⁰ 0	1 ³⁸ 38	22 ⁴⁹ 49	27 ¹⁷ 17	20 ¹³ 13	5 ³⁷ 37	8 ³⁸ 38	8 ²² 22	21 ⁴⁶ 46	15 ²⁰ 20	S 19
M20	9 56 4	0 ³⁴ 59	13 ²⁹ 29	6 ²⁵ 25	14 ²⁸ 28	18 ⁴⁷ 47	1 ⁵¹ 51	22 ⁵⁶ 56	27 ²¹ 21	20 ¹² 12	5 ³⁹ 39	8 ³⁸ 38	8 ¹⁹ 19	21 ⁵³ 53	15 ²² 22	M20
T 21	10 0 0	1 ³⁵ 17	27 ⁴³ 43	8 ¹⁹ 19	15 ²³ 23	19 ³⁴ 34	2 ⁵ 5	23 ³ 3	27 ²⁴ 24	20 ¹¹ 11	5 ⁴⁰ 40	8 ³⁷ 37	8 ¹⁶ 16	21 ⁵⁹ 59	15 ²⁵ 25	T 21
W22	10 3 57	2 ³⁵ 34	12 ⁵ 4	10 ¹³ 13	16 ¹⁸ 18	20 ²¹ 21	2 ¹⁸ 18	23 ¹⁰ 10	27 ²⁸ 28	20 ¹⁰ 10	5 ⁴¹ 41	8 ³⁴ 34	8 ¹² 12	22 ⁶ 6	15 ²⁸ 28	W22
T 23	10 7 53	3 ³⁵ 48	26 ³⁰ 30	12 ⁸ 8	17 ¹⁴ 14	21 ⁹ 9	2 ³² 32	23 ¹⁸ 18	27 ³¹ 31	20 ⁹ 9	5 ⁴² 42	8 ²⁹ 29	8 ⁹ 9	22 ¹³ 13	15 ³¹ 31	T 23
F 24	10 11 50	4 ³⁶ 00	10 ⁵⁵ 55	14 ² 2	18 ¹¹ 11	21 ⁵⁶ 56	2 ⁴⁶ 46	23 ²⁵ 25	27 ³⁴ 34	20 ⁸ 8	5 ⁴⁴ 44	8 ²⁰ 20	8 ⁶ 6	22 ¹⁹ 19	15 ³⁴ 34	F 24
S 25	10 15 47	5 ³⁶ 10	25 ¹⁴ 14	15 ⁵⁵ 55	19 ⁸ 8	22 ⁴³ 43	2 ⁵⁹ 59	23 ³² 32	27 ³⁸ 38	20 ⁷ 7	5 ⁴⁵ 45	8 ⁹ 9	8 ³ 3	22 ²⁶ 26	15 ³⁷ 37	S 25
S 26	10 19 43	6 ³⁶ 18	9 ²¹ 21	17 ⁴⁸ 48	20 ⁵ 5	23 ³⁰ 30	3 ¹³ 13	23 ³⁹ 39	27 ⁴¹ 41	20 ⁵ 5	5 ⁴⁶ 46	7 ⁵⁶ 56	8 ⁰ 0	22 ³³ 33	15 ⁴⁰ 40	S 26
M27	10 23 40	7 ³⁶ 24	23 ¹⁰ 10	19 ⁴⁰ 40	21 ³ 3	24 ¹⁸ 18	3 ²⁷ 27	23 ⁴⁶ 46	27 ⁴⁵ 45	20 ⁴ 4	5 ⁴⁸ 48	7 ⁴⁴ 44	7 ⁵⁶ 56	22 ³⁹ 39	15 ⁴³ 43	M27
T 28	10 27 36	8 ³⁶ 29	6 ³⁸ 38	21 ³⁰ 30	22 ² 2	25 ⁵ 5	3 ⁴¹ 41	23 ⁵⁴ 54	27 ⁴⁸ 48	20 ³ 3	5 ⁴⁹ 49	7 ³² 32	7 ⁵³ 53	22 ⁴⁶ 46	15 ⁴⁷ 47	T 28
W29	10 31 33	9 ³⁶ 31	19 ⁴² 42	23 ¹⁸ 18	23 ³ 3	25 ⁵² 52	3 ⁵⁵ 55	24 ¹ 1	27 ⁵² 52	20 ² 2	5 ⁵⁰ 50	7 ²³ 23	7 ⁵⁰ 50	22 ⁵³ 53	15 ⁵⁰ 50	W29

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	17s24	8s43	4s20	21s31	1s56	18s 7	5n22	20s21	1s 2	1s58	1s11	5s35	2s 6	13s28	0s43	21n24	0s31	13s17	16s47	22s 3	21s54	22s10	6n42	1n 1			
T 2	17 7	12 57	3 39	21 10	1 59	18 11	5 18	20 10	1 3	1 53	1 10	5 32	2 6	13 27	0 43	21 24	0 31	13 16	16 47	22 2	21 53	22 9	6 42	1 1			
F 3	16 50	16 31	2 48	20 47	2 1	18 16	5 14	19 59	1 3	1 48	1 10	5 30	2 6	13 25	0 43	21 24	0 31	13 15	16 47	22 2	21 53	22 9	6 43	1 1			
S 4	16 32	19 17	1 51	20 23	2 2	18 20	5 10	19 47	1 3	1 43	1 10	5 27	2 6	13 24	0 43	21 25	0 31	13 15	16 46	22 2	21 52	22 9	6 44	1 0			
S 5	16 14	21 11	0 50	19 57	2 4	18 24	5 5	19 35	1 3	1 38	1 10	5 25	2 6	13 23	0 43	21 25	0 31	13 14	16 46	22 2	21 52	22 8	6 45	1 0			
M 6	15 56	22 9	0n13	19 30	2 4	18 27	5 0	19 23	1 3	1 32	1 10	5 22	2 6	13 22	0 43	21 25	0 31	13 13	16 46	22 2	21 51	22 8	6 45	1 0			
T 7	15 38	22 7	1 15	19 2	2 5	18 31	4 56	19 11	1 4	1 27	1 10	5 19	2 5	13 21	0 43	21 25	0 31	13 13	16 46	22 2	21 51	22 8	6 46	1 0			
W 8	15 19	21 6	2 14	18 31	2 5	18 35	4 51	18 59	1 4	1 22	1 10	5 16	2 5	13 20	0 43	21 26	0 31	13 12	16 45	22 1	21 50	22 7	6 47	1 0			
T 9	15 0	19 8	3 8	17 59	2 5	18 38	4 46	18 46	1 4	1 17	1 9	5 14	2 5	13 18	0 43	21 26	0 31	13 11	16 45	22 0	21 50	22 7	6 48	1 0			
F 10	14 41	16 17	3 54	17 26	2 4	18 41	4 41	18 34	1 4	1 12	1 9	5 11	2 5	13 17	0 43	21 26	0 31	13 11	16 45	21 59	21 49	22 6	6 49	1 0			
S 11	14 22	12 41	4 29	16 51	2 2	18 44	4 36	18 21	1 4	1 6	1 9	5 8	2 5	13 16	0 43	21 26	0 30	13 10	16 45	21 57	21 49	22 6	6 49	1 0			
S 12	14 2	8 28	4 52	16 15	2 1	18 47	4 30	18 8	1 5	1 1	1 9	5 5	2 5	13 15	0 43	21 26	0 30	13 9	16 44	21 55	21 48	22 6	6 50	0 59			
M13	13 42	3 48	5 1	15 37	1 58	18 49	4 25	17 54	1 5	0 56	1 9	5 3	2 5	13 14	0 43	21 27	0 30	13 9	16 44	21 53	21 48	22 5	6 51	0 59			
T 14	13 22	1n 6	4 54	14 58	1 56	18 51	4 20	17 41	1 5	0 51	1 9	5 0	2 5	13 12	0 43	21 27	0 30	13 8	16 44	21 52	21 47	22 5	6 52	0 59			
W15	13 2	6 1	4 32	14 17	1 52	18 53	4 14	17 27	1 5	0 45	1 9	4 57	2 5	13 11	0 43	21 27	0 30	13 7	16 44	21 50	21 47	22 4	6 53	0 59			
T 16	12 41	10 43	3 54	13 34	1 48	18 55	4 9	17 13	1 5	0 40	1 9	4 54	2 5	13 10	0 43	21 27	0 30	13 7	16 43	21 49	21 46	22 4	6 54	0 59			
F 17	12 21	14 57	3 2	12 51	1 44	18 56	4 3	16 59	1 5	0 34	1 9	4 52	2 5	13 9	0 43	21 28	0 30	13 6	16 43	21 48	21 46	22 3	6 55	0 59			
S 18	12 0	18 25	1 59	12 5	1 39	18 57	3 57	16 45	1 5	0 29	1 8	4 49	2 5	13 8	0 43	21 28	0 30	13 5	16 43	21 48	21 45	22 3	6 56	0 59			
S 19	11 39	20 52	0 49	11 19	1 33	18 57	3 52	16 31	1 5	0 24	1 8	4 46	2 5	13 7	0 43	21 28	0 30	13 5	16 43	21 48	21 45	22 3	6 57	0 59			
M20	11 17	22 3	0s26	10 31	1 27	18 57	3 46	16 16	1 6	0 18	1 8	4 43	2 5	13 5	0 43	21 28	0 30	13 4	16 43	21 48	21 44	22 2	6 58	0 59			
T 21	10 56	21 49	1 39	9 42	1 20	18 57	3 40	16 1	1 6	0 13	1 8	4 40	2 5	13 4	0 43	21 28	0 30	13 3	16 42	21 47	21 44	22 2	6 59	0 58			
W22	10 34	20 10	2 47	8 52	1 13	18 57	3 35	15 46	1 6	0 7	1 8	4 37	2 5	13 3	0 43	21 29	0 30	13 3	16 42	21 47	21 43	22 1	7 0	0 58			
T 23	10 13	17 14	3 44	8 1	1 5	18 56	3 29	15 31	1 6	0 2	1 8	4 34	2 4	13 2	0 43	21 29	0 30	13 2	16 42	21 46	21 43	22 1	7 1	0 58			
F 24	9 51	13 15	4 27	7 9	0 56	18 54	3 23	15 16	1 6	0n 4	1 8	4 31	2 4	13 1	0 43	21 29	0 30	13 1	16 42	21 45	21 42	22 0	7 2	0 58			
S 25	9 29	8 32	4 53	6 17	0 47	18 52	3 17	15 1	1 6	0 9	1 8	4 29	2 4	12 59	0 43	21 29	0 30	13 1	16 42	21 43	21 42	22 0	7 3	0 58			
S 26	9 6	3 27	5 0	5 24	0 37	18 50	3 11	14 45	1 6	0 15	1 8	4 26	2 4	12 58	0 43	21 29	0 30	13 0	16 41	21 41	21 41	21 59	7 4	0 58			
M27	8 44	1s43	4 50	4 30	0 26	18 47	3 5	14 29	1 6	0 20	1 8	4 23	2 4	12 57	0 43	21 29	0 30	12 59	16 41	21 39	21 41	21 59	7 5	0 58			
T 28	8 22	6 40	4 23	3 37	0 15	18 44	3 0	14 14	1 6	0 26	1 7	4 20	2 4	12 56	0 43	21 30	0 30	12 59	16 41	21 37	21 40	21 58	7 7	0 58			
W29	7s59	11s10	3s43	2s43	0s 3	18s40	2n54	13s58	1s 6	0n32	1s 7	4s17	2s 4	12s55	0s43	21n30	0s30	12s58	16s41	21s35	21s40	21s58	7n 8	0n58			

ASTRODIENST EPHEMERIS for the year 1584

geocentric

MARCH 1584 GC

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	7s36	15s 2	2s53	1s50	0n 9	18s36	2n48	13s42	1s 6	0n37	1s 7	4s14	2s 4	12s54	0s43	21n30	0s30	12s58	16s41	21s34	21s39	21s57	7n 9	0n57						
F 2	7 14	18 9	1 56	0 57	0 21	18 32	2 42	13 25	1 6	0 43	1 7	4 11	2 4	12 52	0 43	21 30	0 30	12 57	16 41	21 34	21 39	21 57	7 10	0 57						
S 3	6 51	20 23	0 54	0 6	0 34	18 26	2 36	13 9	1 6	0 48	1 7	4 8	2 4	12 51	0 43	21 30	0 30	12 56	16 40	21 34	21 38	21 56	7 11	0 57						
S 4	6 28	21 40	0n 8	0n45	0 47	18 21	2 30	12 53	1 6	0 54	1 7	4 5	2 4	12 50	0 43	21 30	0 30	12 56	16 40	21 33	21 38	21 56	7 12	0 57						
M 5	6 4	21 59	1 10	1 34	1 0	18 15	2 24	12 36	1 6	1 0	1 7	4 2	2 4	12 49	0 43	21 31	0 30	12 55	16 40	21 33	21 37	21 55	7 13	0 57						
T 6	5 41	21 19	2 9	2 21	1 14	18 8	2 19	12 19	1 6	1 5	1 7	3 59	2 4	12 48	0 43	21 31	0 30	12 54	16 40	21 33	21 37	21 55	7 15	0 57						
W 7	5 18	19 41	3 3	3 6	1 27	18 1	2 13	12 2	1 6	1 11	1 7	3 56	2 4	12 47	0 43	21 31	0 30	12 54	16 40	21 33	21 36	21 54	7 16	0 57						
T 8	4 55	17 11	3 49	3 48	1 41	17 54	2 7	11 45	1 6	1 17	1 7	3 53	2 4	12 45	0 43	21 31	0 30	12 53	16 40	21 32	21 36	21 54	7 17	0 57						
F 9	4 31	13 52	4 26	4 28	1 54	17 46	2 1	11 28	1 6	1 22	1 7	3 50	2 4	12 44	0 43	21 31	0 30	12 52	16 40	21 31	21 35	21 53	7 18	0 57						
S 10	4 8	9 53	4 50	5 5	2 7	17 37	1 55	11 11	1 6	1 28	1 7	3 48	2 4	12 43	0 43	21 31	0 30	12 52	16 40	21 29	21 35	21 53	7 20	0 57						
S 11	3 44	5 22	5 1	5 38	2 19	17 28	1 50	10 54	1 6	1 34	1 7	3 45	2 4	12 42	0 43	21 31	0 30	12 51	16 39	21 27	21 34	21 52	7 21	0 56						
M 12	3 21	0 30	4 56	6 8	2 30	17 19	1 44	10 36	1 6	1 40	1 7	3 42	2 4	12 41	0 43	21 32	0 30	12 50	16 39	21 24	21 34	21 51	7 22	0 56						
T 13	2 57	4n28	4 34	6 35	2 41	17 9	1 38	10 19	1 6	1 45	1 6	3 39	2 4	12 40	0 43	21 32	0 30	12 50	16 39	21 22	21 33	21 51	7 23	0 56						
W 14	2 34	9 19	3 57	6 57	2 51	16 58	1 33	10 1	1 6	1 51	1 6	3 36	2 4	12 39	0 43	21 32	0 30	12 49	16 39	21 21	21 33	21 50	7 25	0 56						
T 15	2 10	13 45	3 5	7 15	3 1	16 48	1 27	9 44	1 6	1 57	1 6	3 33	2 4	12 38	0 43	21 32	0 30	12 49	16 39	21 19	21 32	21 50	7 26	0 56						
F 16	1 46	17 27	2 1	7 29	3 9	16 36	1 22	9 26	1 6	2 2	1 6	3 30	2 4	12 36	0 43	21 32	0 30	12 48	16 39	21 18	21 31	21 49	7 27	0 56						
S 17	1 23	20 10	0 50	7 39	3 15	16 24	1 16	9 8	1 6	2 8	1 6	3 27	2 4	12 35	0 43	21 32	0 30	12 47	16 39	21 18	21 31	21 49	7 28	0 56						
S 18	0 59	21 38	0s25	7 44	3 21	16 12	1 11	8 50	1 6	2 14	1 6	3 24	2 4	12 34	0 43	21 32	0 30	12 47	16 39	21 18	21 30	21 48	7 30	0 56						
M 19	0 35	21 44	1 38	7 45	3 25	15 59	1 6	8 32	1 5	2 20	1 6	3 21	2 4	12 33	0 43	21 32	0 30	12 46	16 39	21 18	21 30	21 47	7 31	0 56						
T 20	0 11	20 28	2 46	7 42	3 27	15 46	1 0	8 14	1 5	2 25	1 6	3 18	2 4	12 32	0 43	21 32	0 30	12 45	16 39	21 18	21 29	21 47	7 32	0 56						
W 21	0n12	17 55	3 43	7 35	3 28	15 32	0 55	7 56	1 5	2 31	1 6	3 15	2 5	12 31	0 43	21 32	0 30	12 45	16 39	21 18	21 29	21 46	7 34	0 56						
T 22	0 36	14 20	4 27	7 23	3 27	15 18	0 50	7 38	1 5	2 37	1 6	3 12	2 5	12 30	0 43	21 32	0 30	12 44	16 39	21 17	21 28	21 46	7 35	0 55						
F 23	0 59	9 59	4 54	7 8	3 24	15 3	0 45	7 20	1 5	2 42	1 6	3 9	2 5	12 29	0 43	21 33	0 29	12 44	16 39	21 16	21 28	21 45	7 36	0 55						
S 24	1 23	5 9	5 4	6 49	3 20	14 48	0 40	7 2	1 5	2 48	1 6	3 6	2 5	12 28	0 43	21 33	0 29	12 43	16 39	21 14	21 27	21 44	7 38	0 55						
S 25	1 47	0 8	4 56	6 26	3 13	14 32	0 35	6 43	1 5	2 54	1 6	3 3	2 5	12 27	0 43	21 33	0 29	12 43	16 39	21 12	21 27	21 44	7 39	0 55						
M 26	2 10	4s49	4 32	6 1	3 5	14 16	0 30	6 25	1 5	3 0	1 6	3 1	2 5	12 26	0 43	21 33	0 29	12 42	16 39	21 10	21 26	21 43	7 40	0 55						
T 27	2 34	9 27	3 54	5 34	2 56	14 0	0 25	6 6	1 4	3 5	1 6	2 58	2 5	12 25	0 43	21 33	0 29	12 41	16 39	21 9	21 26	21 43	7 42	0 55						
W 28	2 57	13 33	3 4	5 4	2 45	13 43	0 20	5 48	1 4	3 11	1 6	2 55	2 5	12 24	0 43	21 33	0 29	12 41	16 39	21 7	21 25	21 42	7 43	0 55						
T 29	3 20	16 56	2 6	4 34	2 33	13 25	0 15	5 29	1 4	3 17	1 6	2 52	2 5	12 23	0 43	21 33	0 29	12 40	16 39	21 6	21 24	21 41	7 44	0 55						
F 30	3 44	19 29	1 4	4 2	2 20	13 8	0 10	5 11	1 4	3 22	1 6	2 49	2 5	12 22	0 43	21 33	0 29	12 40	16 39	21 6	21 24	21 41	7 46	0 55						
S 31	4n 7	21s 6	0n 1	3n30	2n 5	12s50	0n 6	4s52	1s 4	3n28	1s 6	2s46	2s 5	12s21	0s43	21n33	0s29	12s39	16s39	21s 6	21s23	21s40	7n47	0n55						

ASTRODIENST EPHEMERIS for the year 1584

geocentric

MAY 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 35 59	10♈35'49	18♌16	14♊51	1♊20	14♊5	18♊42	1♊26	0♈40	20♌3	7♊17	3♊25	4♊33	29♊45	19♊34	T 1
W 2	14 39 56	11°33'50	0♈11	16° 8	2°30	14°50	18°56	1°32	0°42	20° 4	7°18	3°26	4°30	29°52	19°38	W 2
T 3	14 43 52	12°31'49	12°15	17°28	3°40	15°36	19° 9	1°39	0°43	20° 5	7°19	3°R27	4°27	29°58	19°42	T 3
F 4	14 47 49	13°29'47	24°34	18°50	4°50	16°21	19°23	1°45	0°45	20° 6	7°21	3°26	4°24	0♈5	19°45	F 4
S 5	14 51 45	14°27'44	7♋12	20°14	6° 0	17° 7	19°37	1°51	0°46	20° 7	7°22	3°25	4°20	0°12	19°49	S 5
S 6	14 55 42	15°25'40	20°12	21°40	7°10	17°52	19°51	1°57	0°48	20° 8	7°23	3°23	4°17	0°18	19°52	S 6
M 7	14 59 38	16°23'34	3♊37	23° 9	8°21	18°38	20° 5	2° 3	0°49	20° 9	7°24	3°21	4°14	0°25	19°56	M 7
T 8	15 3 35	17°21'27	17°27	24°40	9°31	19°23	20°18	2° 9	0°51	20°11	7°25	3°19	4°11	0°32	19°59	T 8
W 9	15 7 31	18°19'18	1♈41	26°13	10°41	20° 8	20°32	2°15	0°52	20°12	7°26	3°17	4° 8	0°38	20° 2	W 9
T 10	15 11 28	19°17'09	16°14	27°48	11°52	20°54	20°45	2°21	0°53	20°13	7°28	3°16	4° 4	0°45	20° 6	T 10
F 11	15 15 25	20°14'58	1♊0	29°25	13° 2	21°39	20°59	2°27	0°54	20°14	7°29	3°D15	4° 1	0°52	20° 9	F 11
S 12	15 19 21	21°12'45	15°52	1♈5	14°13	22°24	21°12	2°33	0°56	20°16	7°30	3°15	3°58	0°58	20°13	S 12
S 13	15 23 18	22°10'31	0♈43	2°46	15°23	23° 9	21°26	2°39	0°57	20°17	7°31	3°16	3°55	1° 5	20°16	S 13
M14	15 27 14	23° 8'15	15°26	4°30	16°34	23°54	21°39	2°44	0°58	20°18	7°32	3°17	3°52	1°12	20°19	M14
T 15	15 31 11	24° 5'58	29°55	6°16	17°44	24°39	21°53	2°50	0°59	20°20	7°33	3°18	3°49	1°18	20°23	T 15
W16	15 35 7	25° 3'39	14♊6	8° 4	18°55	25°24	22° 6	2°56	1° 0	20°21	7°34	3°18	3°45	1°25	20°26	W16
T 17	15 39 4	26° 1'19	27°59	9°54	20° 6	26° 9	22°19	3° 1	1° 1	20°23	7°35	3°R18	3°42	1°32	20°29	T 17
F 18	15 43 0	26°58'56	11♊32	11°46	21°16	26°54	22°32	3° 6	1° 2	20°24	7°36	3°18	3°39	1°38	20°32	F 18
S 19	15 46 57	27°56'33	24°47	13°40	22°27	27°39	22°45	3°12	1° 3	20°25	7°37	3°18	3°36	1°45	20°35	S 19
S 20	15 50 54	28°54'07	7♊44	15°37	23°38	28°23	22°58	3°17	1° 4	20°27	7°38	3°17	3°33	1°52	20°39	S 20
M21	15 54 50	29°51'41	20°27	17°35	24°49	29° 8	23°11	3°22	1° 4	20°28	7°39	3°17	3°30	1°58	20°42	M21
T 22	15 58 47	0♊49'13	2♊55	19°35	26° 0	29°53	23°24	3°27	1° 5	20°30	7°40	3°16	3°26	2° 5	20°45	T 22
W23	16 2 43	1°46'44	15°13	21°37	27°11	0♈37	23°37	3°33	1° 6	20°32	7°41	3°16	3°23	2°12	20°48	W23
T 24	16 6 40	2°44'13	27°20	23°42	28°22	1°22	23°50	3°38	1° 6	20°33	7°42	3°16	3°20	2°18	20°51	T 24
F 25	16 10 36	3°41'42	9♊20	25°47	29°33	2° 6	24° 3	3°42	1° 7	20°35	7°43	3°16	3°17	2°25	20°54	F 25
S 26	16 14 33	4°39'09	21°13	27°54	0♈44	2°50	24°15	3°47	1° 7	20°37	7°44	3°16	3°14	2°32	20°57	S 26
S 27	16 18 29	5°36'36	3♈3	0♊3	1°55	3°35	24°28	3°52	1° 8	20°38	7°45	3°16	3°10	2°38	21° 0	S 27
M28	16 22 26	6°34'02	14°52	2°13	3° 6	4°19	24°40	3°57	1° 8	20°40	7°46	3°16	3° 7	2°45	21° 3	M28
T 29	16 26 23	7°31'27	26°43	4°24	4°17	5° 3	24°53	4° 2	1° 9	20°42	7°46	3°15	3° 4	2°52	21° 6	T 29
W30	16 30 19	8°28'51	8♊39	6°35	5°28	5°47	25° 5	4° 6	1° 9	20°43	7°47	3°15	3° 1	2°58	21° 8	W30
T 31	16 34 16	9♊26'14	20♊44	8♊47	6♈40	6♈32	25°17	4°11	1♈9	20♌45	7°48	3♊14	2♊58	3♈5	21°11	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	decl	decl	decl	lat	decl	decl	decl	decl	lat	
T 1	15n 2	18s34	3n43	3n 6	2s59	0s56	1s36	4n44	0s54	6n19	1s 6	1s24	2s 9	11s57	0s44	21n31	0s28	12s26	16s42	20s53	21s 6	21s18	8n29	0n53										
W 2	15 20	15 51	4 24	3 37	2 59	0 30	1 38	5 2	0 54	6 24	1 6	1 21	2 9	11 56	0 44	21 31	0 28	12 25	16 42	20 53	21 5	21 17	8 30	0 52										
T 3	15 38	12 27	4 55	4 8	2 58	0 4	1 39	5 20	0 53	6 29	1 6	1 19	2 9	11 56	0 44	21 31	0 28	12 25	16 43	20 53	21 5	21 16	8 32	0 52										
F 4	15 56	8 27	5 12	4 41	2 56	0n23	1 41	5 38	0 53	6 35	1 7	1 17	2 9	11 55	0 44	21 31	0 28	12 25	16 43	20 53	21 4	21 15	8 33	0 52										
S 5	16 13	4 0	5 15	5 14	2 54	0 49	1 43	5 56	0 53	6 40	1 7	1 14	2 9	11 55	0 44	21 31	0 28	12 25	16 43	20 53	21 3	21 15	8 34	0 52										
S 6	16 30	0n45	5 2	5 49	2 51	1 16	1 44	6 13	0 52	6 45	1 7	1 12	2 9	11 54	0 44	21 31	0 28	12 24	16 43	20 53	21 3	21 14	8 36	0 52										
M 7	16 47	5 37	4 33	6 25	2 47	1 42	1 45	6 31	0 52	6 50	1 7	1 10	2 10	11 54	0 44	21 31	0 28	12 24	16 43	20 52	21 2	21 13	8 37	0 52										
T 8	17 3	10 22	3 47	7 3	2 43	2 9	1 47	6 49	0 51	6 55	1 7	1 8	2 10	11 53	0 44	21 30	0 28	12 24	16 44	20 52	21 2	21 12	8 38	0 52										
W 9	17 19	14 41	2 46	7 40	2 39	2 35	1 48	7 6	0 51	7 0	1 7	1 5	2 10	11 53	0 44	21 30	0 28	12 24	16 44	20 52	21 1	21 11	8 39	0 52										
T 10	17 35	18 13	1 33	8 19	2 34	3 2	1 49	7 24	0 50	7 5	1 7	1 3	2 10	11 53	0 45	21 30	0 28	12 23	16 44	20 51	21 1	21 11	8 41	0 52										
F 11	17 51	20 36	0 13	8 59	2 28	3 28	1 50	7 41	0 50	7 10	1 7	1 1	2 10	11 52	0 45	21 30	0 28	12 23	16 44	20 51	21 0	21 10	8 42	0 52										
S 12	18 6	21 35	1s 9	9 39	2 22	3 55	1 51	7 58	0 49	7 15	1 7	0 59	2 11	11 52	0 45	21 30	0 28	12 23	16 45	20 51	20 59	21 9	8 43	0 52										
S 13	18 21	21 3	2 27	10 21	2 15	4 21	1 52	8 16	0 49	7 20	1 7	0 57	2 11	11 51	0 45	21 30	0 28	12 23	16 45	20 51	20 59	21 8	8 44	0 52										
M14	18 36	19 4	3 33	11 2	2 8	4 48	1 52	8 33	0 49	7 25	1 7	0 55	2 11	11 51	0 45	21 29	0 28	12 22	16 45	20 52	20 58	21 7	8 45	0 52										
T 15	18 50	15 53	4 25	11 45	2 0	5 14	1 53	8 50	0 48	7 30	1 7	0 53	2 11	11 51	0 45	21 29	0 28	12 22	16 45	20 52	20 58	21 6	8 47	0 52										
W16	19 4	11 51	5 0	12 27	1 52	5 41	1 53	9 6	0 48	7 35	1 7	0 51	2 11	11 50	0 45	21 29	0 28	12 22	16 46	20 52	20 57	21 5	8 48	0 52										
T 17	19 18	7 15	5 16	13 10	1 44	6 7	1 54	9 23	0 47	7 40	1 7	0 49	2 12	11 50	0 45	21 29	0 28	12 22	16 46	20 52	20 56	21 5	8 49	0 52										
F 18	19 32	2 25	5 14	13 54	1 35	6 33	1 54	9 40	0 47	7 45	1 7	0 47	2 12	11 50	0 45	21 29	0 28	12 22	16 46	20 52	20 56	21 4	8 50	0 52										
S 19	19 45	2s26	4 55	14 37	1 26	6 59	1 54	9 57	0 46	7 49	1 8	0 45	2 12	11 50	0 45	21 28	0 28	12 22	16 46	20 52	20 55	21 3	8 51	0 52										
S 20	19 57	7 5	4 22	15 20	1 16	7 25	1 55	10 13	0 46	7 54	1 8	0 43	2 12	11 49	0 45	21 28	0 28	12 22	16 47	20 52	20 55	21 2	8 52	0 52										
M21	20 10	11 20	3 36	16 3	1 6	7 51	1 55	10 29	0 45	7 59	1 8	0 41	2 12	11 49	0 45	21 28	0 28	12 21	16 47	20 51	20 54	21 1	8 54	0 52										
T 22	20 22	15 2	2 41	16 46	0 56	8 17	1 55	10 46	0 44	8 4	1 8	0 39	2 13	11 49	0 45	21 28	0 28	12 21	16 47	20 51	20 53	21 0	8 55	0 51										
W23	20 34	18 0	1 39	17 29	0 45	8 43	1 55	11 2	0 44	8 8	1 8	0 37	2 13	11 49	0 45	21 28	0 28	12 21	16 48	20 51	20 53	20 59	8 56	0 51										
T 24	20 45	20 8	0 33	18 10	0 35	9 8	1 54	11 18	0 43	8 13	1 8	0 35	2 13	11 48	0 45	21 27	0 28	12 21	16 48	20 51	20 52	20 58	8 57	0 51										
F 25	20 56	21 21	0n34	18 51	0 24	9 33	1 54	11 34	0 43	8 17	1 8	0 34	2 13	11 48	0 45	21 27	0 28	12 21	16 48	20 51	20 51	20 58	8 58	0 51										
S 26	21 7	21 34	1 38	19 31	0 13	9 59	1 54	11 49	0 42	8 22	1 8	0 32	2 13	11 48	0 45	21 27	0 28	12 21	16 48	20 51	20 51	20 57	8 59	0 51										
S 27	21 17	20 49	2 38	20 10	0 3	10 23	1 53	12 5	0 42	8 27	1 8	0 30	2 14	11 48	0 45	21 27	0 28	12 21	16 49	20 51	20 50	20 56	9 0	0 51										
M28	21 27	19 10	3 31	20 47	0n 8	10 48	1 53	12 20	0 41	8 31	1 8	0 28	2 14	11 48	0 45	21 26	0 28	12 21	16 49	20 51	20 50	20 55	9 1	0 51										
T 29	21 37	16 41	4 15	21 22	0 18	11 13	1 52	12 36	0 41	8 36	1 8	0 27	2 14	11 48	0 45	21 26	0 28	12 21	16 49	20 51	20 49	20 54	9 2	0 51										
W30	21 46	13 29	4 49	21 56	0 29	11 17	1 52	12 51	0 40	8 30	1 9	0 25	2 14	11 48	0 45	21 26	0 28	12 21	16 50	20 51	20 48	20 53	9 3	0 51										
T 31	21n55	9s43	5n10	22n27	0n39	12n 1	1s51	13n 6	0s39	8n44	1s 9	0s24	2s15	11s48	0s45	21n26	0s28	12s21	16s50	20s51	20s48	20s52	9n 4	0n51										

ASTRODIENST EPHEMERIS for the year 1584

geocentric

JUNE 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 38 12	10 ^{II} 23'37	3 ^{II} 2	10 ^{II} 59	7 ^{II} 51	7 ^{II} 16	25 ^{II} 30	4 ^{II} 15	1 ^{II} 10	20 ^{II} 47	7 ^{II} 49	3 ^{II} R14	2 ^{II} 55	3 ^{II} 12	21 ^{II} 14	F 1
S 2	16 42 9	11°20'59	15°37	13°11	9° 2	8° 0	25°42	4°19	1°10	20°49	7°50	3°D14	2°51	3°18	21°17	S 2
S 3	16 46 5	12°18'21	28°33	15°23	10°14	8°44	25°54	4°24	1°10	20°50	7°50	3 ^{II} 14	2°48	3°25	21°19	S 3
M 4	16 50 2	13°15'42	11 ^{II} 53	17°34	11°25	9°27	26° 6	4°28	1°10	20°52	7°51	3°15	2°45	3°32	21°22	M 4
T 5	16 53 58	14°13'02	25°40	19°44	12°37	10°11	26°18	4°32	1°R10	20°54	7°52	3°15	2°42	3°38	21°25	T 5
W 6	16 57 55	15°10'22	9 ^{II} 52	21°53	13°48	10°55	26°30	4°36	1°10	20°56	7°52	3°16	2°39	3°45	21°27	W 6
T 7	17 1 52	16° 7'42	24°29	24° 0	15° 0	11°39	26°41	4°40	1°10	20°58	7°53	3°17	2°36	3°52	21°30	T 7
F 8	17 5 48	17° 5'01	9 ^{II} 24	26° 6	16°11	12°22	26°53	4°44	1°10	21° 0	7°54	3°R17	2°32	3°58	21°32	F 8
S 9	17 9 45	18° 2'20	24°31	28°11	17°23	13° 6	27° 5	4°48	1°10	21° 2	7°54	3°16	2°29	4° 5	21°35	S 9
S 10	17 13 41	18°59'38	9 ^{II} 40	0 ^{II} 13	18°35	13°50	27°16	4°51	1° 9	21° 4	7°55	3°15	2°26	4°12	21°37	S 10
M11	17 17 38	19°56'55	24°42	2°14	19°46	14°33	27°28	4°55	1° 9	21° 6	7°56	3°13	2°23	4°18	21°39	M11
T 12	17 21 34	20°54'12	9 ^{II} 29	4°13	20°58	15°16	27°39	4°59	1° 9	21° 8	7°56	3°11	2°20	4°25	21°42	T 12
W13	17 25 31	21°51'28	23°55	6°10	22°10	16° 0	27°50	5° 2	1° 9	21°10	7°57	3° 9	2°16	4°32	21°44	W13
T 14	17 29 27	22°48'43	7 ^{II} 55	8° 4	23°21	16°43	28° 1	5° 5	1° 8	21°12	7°57	3° 8	2°13	4°38	21°46	T 14
F 15	17 33 24	23°45'57	21°30	9°56	24°33	17°26	28°12	5° 9	1° 8	21°14	7°58	3°D 7	2°10	4°45	21°48	F 15
S 16	17 37 21	24°43'10	4 ^{II} 41	11°46	25°45	18° 9	28°23	5°12	1° 7	21°16	7°58	3° 7	2° 7	4°52	21°51	S 16
S 17	17 41 17	25°40'23	17°30	13°34	26°57	18°52	28°34	5°15	1° 7	21°18	7°59	3° 8	2° 4	4°58	21°53	S 17
M18	17 45 14	26°37'35	0 ^{II} 1	15°20	28° 9	19°35	28°45	5°18	1° 6	21°20	7°59	3°10	2° 1	5° 5	21°55	M18
T 19	17 49 10	27°34'47	12°17	17° 3	29°21	20°18	28°55	5°21	1° 6	21°22	8° 0	3°11	1°57	5°12	21°57	T 19
W20	17 53 7	28°31'58	24°22	18°44	0 ^{II} 33	21° 1	29° 6	5°24	1° 5	21°24	8° 0	3°13	1°54	5°18	21°59	W20
T 21	17 57 3	29°29'09	6 ^{II} 19	20°23	1°45	21°44	29°16	5°26	1° 4	21°26	8° 0	3°R13	1°51	5°25	22° 1	T 21
F 22	18 1 0	0 ^{II} 26'19	18°11	21°59	2°57	22°27	29°27	5°29	1° 3	21°28	8° 1	3°12	1°48	5°32	22° 2	F 22
S 23	18 4 56	1°23'30	0 ^{II} 3	23°33	4° 9	23°10	29°37	5°31	1° 3	21°30	8° 1	3°10	1°45	5°38	22° 4	S 23
S 24	18 8 53	2°20'40	11°50	25° 5	5°21	23°52	29°47	5°34	1° 2	21°32	8° 1	3° 6	1°42	5°45	22° 6	S 24
M25	18 12 50	3°17'50	23°41	26°35	6°33	24°35	29°57	5°36	1° 1	21°34	8° 2	3° 1	1°38	5°52	22° 8	M25
T 26	18 16 46	4°15'00	5 ^{II} 35	28° 2	7°45	25°17	0 ^{II} 7	5°38	1° 0	21°37	8° 2	2°56	1°35	5°58	22° 9	T 26
W27	18 20 43	5°12'10	17°36	29°27	8°57	26° 0	0°16	5°41	0°59	21°39	8° 2	2°51	1°32	6° 5	22°11	W27
T 28	18 24 39	6° 9'20	29°45	0 ^{II} 49	10° 9	26°42	0°26	5°43	0°58	21°41	8° 2	2°46	1°29	6°12	22°13	T 28
F 29	18 28 36	7° 6'31	12 ^{II} 6	2° 9	11°22	27°24	0°36	5°45	0°57	21°43	8° 3	2°42	1°26	6°18	22°14	F 29
S 30	18 32 32	8 ^{II} 3	24 ^{II} 41	3 ^{II} 26	12 ^{II} 34	28 ^{II} 7	0 ^{II} 45	5°46	0 ^{II} 56	21°45	8° 3	2 ^{II} 39	1 ^{II} 22	6 ^{II} 25	22°16	S 30

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
F 1	22n 3	5s29	5n17	22n56	0n48	12n25	1s50	13n21	0s39	8n49	1 s 9	0s22	2s15	11s48	0s45	21n26	0s28	12s21	16s50	20s51	20s47	20s51	9n 5	0n51
S 2	22 11	0 55	5 10	23 23	0 58	12 49	1 49	13 36	0 38	8 53	1 s 9	0 21	2 15	11 48	0 45	21 25	0 28	12 21	16 51	20 51	20 47	20 50	9 6	0 51
S 3	22 19	3n49	4 47	23 47	1 6	13 12	1 48	13 51	0 38	8 57	1 9	0 19	2 15	11 48	0 45	21 25	0 28	12 21	16 51	20 51	20 46	20 49	9 7	0 51
M 4	22 26	8 31	4 8	24 9	1 14	13 35	1 47	14 5	0 37	9 2	1 9	0 18	2 15	11 48	0 46	21 25	0 28	12 21	16 51	20 51	20 45	20 48	9 8	0 51
T 5	22 33	12 57	3 14	24 27	1 22	13 58	1 46	14 20	0 37	9 6	1 9	0 16	2 16	11 48	0 46	21 24	0 28	12 21	16 52	20 51	20 45	20 48	9 9	0 51
W 6	22 40	16 48	2 6	24 43	1 29	14 21	1 45	14 34	0 36	9 10	1 9	0 15	2 16	11 48	0 46	21 24	0 28	12 21	16 52	20 51	20 44	20 47	9 10	0 51
T 7	22 46	19 43	0 49	24 56	1 35	14 43	1 44	14 48	0 35	9 14	1 10	0 13	2 16	11 48	0 46	21 24	0 28	12 21	16 52	20 52	20 43	20 46	9 11	0 51
F 8	22 52	21 21	0s34	25 7	1 41	15 5	1 43	15 2	0 35	9 18	1 10	0 12	2 16	11 48	0 46	21 24	0 28	12 21	16 53	20 52	20 43	20 45	9 12	0 51
S 9	22 57	21 28	1 55	25 14	1 46	15 26	1 41	15 16	0 34	9 22	1 10	0 11	2 17	11 48	0 46	21 23	0 28	12 21	16 53	20 51	20 42	20 44	9 13	0 51
S 10	23 2	20 1	3 8	25 19	1 50	15 48	1 40	15 29	0 33	9 26	1 10	0 10	2 17	11 48	0 46	21 23	0 28	12 21	16 53	20 51	20 42	20 43	9 14	0 51
M11	23 7	17 10	4 8	25 22	1 53	16 8	1 38	15 43	0 33	9 30	1 10	0 8	2 17	11 48	0 46	21 23	0 28	12 21	16 54	20 51	20 41	20 42	9 15	0 51
T 12	23 11	13 16	4 49	25 21	1 56	16 29	1 37	15 56	0 32	9 34	1 10	0 7	2 17	11 48	0 46	21 23	0 27	12 21	16 54	20 50	20 40	20 41	9 15	0 51
W13	23 14	8 40	5 12	25 18	1 58	16 49	1 35	16 9	0 32	9 38	1 10	0 6	2 18	11 48	0 46	21 22	0 27	12 21	16 54	20 50	20 40	20 40	9 16	0 51
T 14	23 18	3 45	5 15	25 13	1 59	17 9	1 33	16 22	0 31	9 42	1 10	0 5	2 18	11 49	0 46	21 22	0 27	12 21	16 55	20 50	20 39	20 39	9 17	0 51
F 15	23 21	1s13	5 0	25 6	1 59	17 28	1 32	16 35	0 30	9 46	1 11	0 4	2 18	11 49	0 46	21 22	0 27	12 22	16 55	20 50	20 38	20 38	9 18	0 51
S 16	23 23	5 59	4 29	24 57	1 59	17 47	1 30	16 48	0 30	9 49	1 11	0 3	2 19	11 49	0 46	21 21	0 27	12 22	16 55	20 50	20 38	20 37	9 19	0 50
S 17	23 25	10 22	3 46	24 45	1 58	18 5	1 28	17 1	0 29	9 53	1 11	0 2	2 19	11 49	0 46	21 21	0 27	12 22	16 56	20 50	20 37	20 36	9 19	0 50
M18	23 27	14 12	2 53	24 32	1 56	18 23	1 26	17 13	0 28	9 57	1 11	0 1	2 19	11 49	0 46	21 21	0 27	12 22	16 56	20 50	20 37	20 35	9 20	0 50
T 19	23 28	17 21	1 53	24 17	1 54	18 41	1 24	17 25	0 28	10 0	1 11	0 0	2 19	11 50	0 46	21 20	0 27	12 22	16 56	20 50	20 36	20 34	9 21	0 50
W20	23 29	19 41	0 49	24 1	1 51	18 58	1 22	17 37	0 27	10 4	1 11	0n 1	2 20	11 50	0 46	21 20	0 27	12 22	16 57	20 51	20 35	20 33	9 21	0 50
T 21	23 29	21 8	0n17	23 43	1 47	19 15	1 20	17 49	0 26	10 8	1 11	0 2	2 20	11 50	0 46	21 20	0 27	12 23	16 57	20 51	20 35	20 32	9 22	0 50
F 22	23 29	21 37	1 21	23 23	1 43	19 31	1 18	18 1	0 26	10 11	1 12	0 2	2 20	11 51	0 46	21 20	0 27	12 23	16 58	20 51	20 34	20 31	9 23	0 50
S 23	23 29	21 8	2 22	23 3	1 38	19 47	1 16	18 12	0 25	10 14	1 12	0 3	2 20	11 51	0 46	21 19	0 27	12 23	16 58	20 50	20 33	20 30	9 23	0 50
S 24	23 28	19 43	3 16	22 41	1 33	20 2	1 14	18 23	0 24	10 18	1 12	0 4	2 21	11 51	0 46	21 19	0 27	12 23	16 58	20 49	20 33	20 29	9 24	0 50
M25	23 27	17 26	4 2	22 18	1 27	20 16	1 12	18 34	0 24	10 21	1 12	0 4	2 21	11 52	0 46	21 19	0 27	12 23	16 59	20 48	20 32	20 28	9 25	0 50
T 26	23 25	14 26	4 37	21 55	1 20	20 30	1 9	18 45	0 23	10 25	1 12	0 5	2 21	11 52	0 46	21 18	0 27	12 24	16 59	20 47	20 31	20 27	9 25	0 50
W27	23 23	10 49	5 1	21 30	1 13	20 44	1 7	18 56	0 22	10 28	1 12	0 6	2 21	11 52	0 46	21 18	0 27	12 24	16 59	20 46	20 31	20 26	9 26	0 50
T 28	23 21	6 43	5 11	21 5	1 5	20 57	1 5	19 7	0 22	10 31	1 13	0 6	2 22	11 53	0 46	21 18	0 27	12 24	17 0	20 45	20 30	20 25	9 26	0 50
F 29	23 18	2 18	5 8	20 39	0 57	21 10	1 3	19 17	0 21	10 34	1 13	0 7	2 22	11 53	0 46	21 17	0 27	12 24	17 0	20 45	20 30	20 24	9 27	0 50
S 30	23n15	2n18	4n49	20n13	0n48	21n21	1s 0	19n27	0s20	10n37	1s13	0n 7	2s22	11s54	0s46	21n17	0s27	12s25	17s 0	20s44	20s29	20s23	9n28	0n50

ASTRODIENST EPHEMERIS for the year 1584

geocentric

JULY 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 29	9 ⁵² 0'52	7 ³³ 33	4 ⁴¹ 41	13 ⁴⁶ 46	28 ⁴⁹ 49	0 ⁵⁴ 54	5 ⁴⁸ 48	0 ^{R54} 54	21 ⁴⁷ 47	8 ³ 3	2 ^{D39} 39	1 ¹⁹ 19	6 ³² 32	22 ¹⁷ 17	S 1
M 2	18 40 25	9 ⁵⁸ 0'4	20 ⁴⁷ 47	5 ⁵⁴ 54	14 ⁵⁹ 59	29 ³¹ 31	1 ³ 3	5 ⁵⁰ 50	0 ⁵³ 53	21 ⁵⁰ 50	8 ³ 3	2 ³⁹ 39	1 ¹⁶ 16	6 ³⁸ 38	22 ¹⁸ 18	M 2
T 3	18 44 22	10 ⁵⁵ 1'5	4 ²⁵ 25	7 ³ 3	16 ¹¹ 11	0 ¹¹ 11	1 ¹² 12	5 ⁵¹ 51	0 ⁵² 52	21 ⁵² 52	8 ³ 3	2 ⁴⁰ 40	1 ¹³ 13	6 ⁴⁵ 45	22 ²⁰ 20	T 3
W 4	18 48 19	11 ⁵² 2'8	18 ²⁸ 28	8 ¹⁰ 10	17 ²³ 23	0 ⁵⁵ 55	1 ²¹ 21	5 ⁵³ 53	0 ⁵¹ 51	21 ⁵⁴ 54	8 ³ 3	2 ⁴² 42	1 ¹⁰ 10	6 ⁵² 52	22 ²¹ 21	W 4
T 5	18 52 15	12 ⁴⁹ 4'1	2 ⁵⁶ 56	9 ¹⁴ 14	18 ³⁶ 36	1 ³⁷ 37	1 ³⁰ 30	5 ⁵⁴ 54	0 ⁴⁹ 49	21 ⁵⁶ 56	8 ³ 3	2 ^{R42} 42	1 ⁷ 7	6 ⁵⁸ 58	22 ²² 22	T 5
F 6	18 56 12	13 ⁴⁶ 5'4	17 ⁴⁷ 47	10 ¹⁶ 16	19 ⁴⁸ 48	2 ¹⁹ 19	1 ³⁹ 39	5 ⁵⁶ 56	0 ⁴⁸ 48	21 ⁵⁸ 58	8 ⁴ 4	2 ⁴¹ 41	1 ³ 3	7 ⁵ 5	22 ²³ 23	F 6
S 7	19 0 8	14 ⁴⁴ 0'8	2 ⁵³ 53	11 ¹⁴ 14	21 ¹ 1	3 ¹ 1	1 ⁴⁷ 47	5 ⁵⁷ 57	0 ⁴⁷ 47	22 ¹ 1	8 ⁴ 4	2 ³⁹ 39	1 ⁰ 0	7 ¹² 12	22 ²⁵ 25	S 7
S 8	19 4 5	15 ⁴¹ 2'2	18 ⁷ 7	12 ⁹ 9	22 ¹⁴ 14	3 ⁴² 42	1 ⁵⁶ 56	5 ⁵⁸ 58	0 ⁴⁵ 45	22 ³ 3	8 ^{R4} 4	2 ³⁴ 34	0 ⁵⁷ 57	7 ¹⁸ 18	22 ²⁶ 26	S 8
M 9	19 8 1	16 ³⁸ 3'6	3 ¹⁸ 18	13 ¹ 1	23 ²⁶ 26	4 ²⁴ 24	2 ⁴ 4	5 ⁵⁹ 59	0 ⁴⁴ 44	22 ⁵ 5	8 ⁴ 4	2 ²⁸ 28	0 ⁵⁴ 54	7 ²⁵ 25	22 ²⁷ 27	M 9
T 10	19 11 58	17 ³⁵ 5'1	18 ¹⁶ 16	13 ⁵⁰ 50	24 ³⁹ 39	5 ⁶ 6	2 ¹² 12	6 ⁰ 0	0 ⁴² 42	22 ⁷ 7	8 ⁴ 4	2 ²¹ 21	0 ⁵¹ 51	7 ³² 32	22 ²⁸ 28	T 10
W 11	19 15 55	18 ³³ 0'6	2 ⁵³ 53	14 ³⁵ 35	25 ⁵² 52	5 ⁴⁷ 47	2 ²⁰ 20	6 ⁰ 0	0 ⁴¹ 41	22 ⁹ 9	8 ³ 3	2 ¹⁵ 15	0 ⁴⁸ 48	7 ³⁸ 38	22 ²⁸ 28	W 11
T 12	19 19 51	19 ³⁰ 2'1	17 ³ 3	15 ¹⁶ 16	27 ⁴ 4	6 ²⁸ 28	2 ²⁸ 28	6 ¹ 1	0 ³⁹ 39	22 ¹² 12	8 ³ 3	2 ¹⁰ 10	0 ⁴⁴ 44	7 ⁴⁵ 45	22 ²⁹ 29	T 12
F 13	19 23 48	20 ²⁷ 3'6	0 ⁴⁴ 44	15 ⁵⁴ 54	28 ¹⁷ 17	7 ¹⁰ 10	2 ³⁶ 36	6 ² 2	0 ³⁷ 37	22 ¹⁴ 14	8 ³ 3	2 ⁶ 6	0 ⁴¹ 41	7 ⁵² 52	22 ³⁰ 30	F 13
S 14	19 27 44	21 ²⁴ 5'1	13 ⁵⁷ 57	16 ²⁸ 28	29 ³⁰ 30	7 ⁵¹ 51	2 ⁴³ 43	6 ² 2	0 ³⁶ 36	22 ¹⁶ 16	8 ³ 3	2 ⁴ 4	0 ³⁸ 38	7 ⁵⁸ 58	22 ³¹ 31	S 14
S 15	19 31 41	22 ²² 0'7	26 ⁴⁵ 45	16 ⁵⁷ 57	0 ⁴³ 43	8 ³² 32	2 ⁵⁰ 50	6 ² 2	0 ³⁴ 34	22 ¹⁸ 18	8 ³ 3	2 ^{D4} 4	0 ³⁵ 35	8 ⁵ 5	22 ³¹ 31	S 15
M 16	19 35 37	23 ¹⁹ 2'3	9 ¹² 12	17 ²³ 23	1 ⁵⁵ 55	9 ¹³ 13	2 ⁵⁸ 58	6 ³ 3	0 ³² 32	22 ²¹ 21	8 ³ 3	2 ⁵ 5	0 ³² 32	8 ¹² 12	22 ³² 32	M 16
T 17	19 39 34	24 ¹⁶ 3'9	21 ²³ 23	17 ⁴⁴ 44	3 ⁸ 8	9 ⁵⁵ 55	3 ⁵ 5	6 ³ 3	0 ³¹ 31	22 ²³ 23	8 ³ 3	2 ⁶ 6	0 ²⁸ 28	8 ¹⁹ 19	22 ³³ 33	T 17
W 18	19 43 30	25 ¹³ 5'6	3 ²² 22	18 ⁰ 0	4 ²¹ 21	10 ³⁶ 36	3 ¹² 12	6 ^{R3} 3	0 ²⁹ 29	22 ²⁵ 25	8 ³ 3	2 ^{R7} 7	0 ²⁵ 25	8 ²⁵ 25	22 ³³ 33	W 18
T 19	19 47 27	26 ¹¹ 1'3	15 ²¹ 21	18 ¹² 12	5 ³⁴ 34	11 ¹⁶ 16	3 ¹⁹ 19	6 ³ 3	0 ²⁷ 27	22 ²⁷ 27	8 ² 2	2 ⁶ 6	0 ²² 22	8 ³² 32	22 ³⁴ 34	T 19
F 20	19 51 24	27 ⁸ 3'1	27 ² 2	18 ¹⁹ 19	6 ⁴⁷ 47	11 ⁵⁷ 57	3 ²⁵ 25	6 ³ 3	0 ²⁵ 25	22 ²⁹ 29	8 ² 2	2 ² 2	0 ¹⁹ 19	8 ³⁹ 39	22 ³⁴ 34	F 20
S 21	19 55 20	28 ⁵ 4'9	8 ⁵¹ 51	18 ^{R20} 20	8 ⁰ 0	12 ³⁸ 38	3 ³² 32	6 ² 2	0 ²³ 23	22 ³² 32	8 ² 2	1 ⁵⁷ 57	0 ¹⁶ 16	8 ⁴⁵ 45	22 ³⁴ 34	S 21
S 22	19 59 17	29 ³ 0'8	20 ⁴² 42	18 ¹⁷ 17	9 ¹³ 13	13 ¹⁹ 19	3 ³⁸ 38	6 ² 2	0 ²¹ 21	22 ³⁴ 34	8 ¹ 1	1 ⁴⁹ 49	0 ¹³ 13	8 ⁵² 52	22 ³⁵ 35	S 22
M 23	20 3 13	0 ¹² 0'28	2 ³⁸ 38	18 ⁹ 9	10 ²⁶ 26	13 ⁵⁹ 59	3 ⁴⁴ 44	6 ¹ 1	0 ¹⁹ 19	22 ³⁶ 36	8 ¹ 1	1 ⁴⁰ 40	0 ⁹ 9	8 ⁵⁹ 59	22 ³⁵ 35	M 23
T 24	20 7 10	0 ⁵⁷ 4'8	14 ⁴¹ 41	17 ⁵⁶ 56	11 ³⁹ 39	14 ⁴⁰ 40	3 ⁵⁰ 50	6 ¹ 1	0 ¹⁸ 18	22 ³⁸ 38	8 ¹ 1	1 ²⁹ 29	0 ⁶ 6	9 ⁵ 5	22 ³⁵ 35	T 24
W 25	20 11 6	1 ⁵⁵ 0'9	26 ⁵¹ 51	17 ³⁷ 37	12 ⁵² 52	15 ²⁰ 20	3 ⁵⁶ 56	6 ⁰ 0	0 ¹⁶ 16	22 ⁴¹ 41	8 ¹ 1	1 ¹⁸ 18	0 ³ 3	9 ¹² 12	22 ³⁵ 35	W 25
T 26	20 15 3	2 ⁵² 3'1	9 ¹⁰ 10	17 ¹⁴ 14	14 ⁶ 6	16 ¹ 1	4 ² 2	5 ⁵⁹ 59	0 ¹³ 13	22 ⁴³ 43	8 ⁰ 0	1 ⁸ 8	29 ⁵⁹ 59	9 ¹⁹ 19	22 ³⁵ 35	T 26
F 27	20 18 59	3 ⁴⁹ 5'5	21 ³⁹ 39	16 ⁴⁶ 46	15 ¹⁹ 19	16 ⁴¹ 41	4 ⁷ 7	5 ⁵⁹ 59	0 ¹¹ 11	22 ⁴⁵ 45	8 ⁰ 0	0 ⁵⁹ 59	29 ⁵⁷ 57	9 ²⁵ 25	22 ^{R35} 35	F 27
S 28	20 22 56	4 ⁴⁷ 1'9	4 ¹²⁰ 120	16 ¹³ 13	16 ³² 32	17 ²¹ 21	4 ¹³ 13	5 ⁵⁸ 58	0 ⁹ 9	22 ⁴⁷ 47	7 ⁵⁹ 59	0 ⁵³ 53	29 ⁵⁴ 54	9 ³² 32	22 ³⁵ 35	S 28
S 29	20 26 53	5 ⁴⁴ 4'5	17 ¹⁶ 16	15 ³⁶ 36	17 ⁴⁵ 45	18 ² 2	4 ¹⁸ 18	5 ⁵⁶ 56	0 ⁷ 7	22 ⁴⁹ 49	7 ⁵⁹ 59	0 ⁴⁹ 49	29 ⁵⁰ 50	9 ³⁹ 39	22 ³⁵ 35	S 29
M 30	20 30 49	6 ⁴² 1'1	0 ²⁸ 28	14 ⁵⁶ 56	18 ⁵⁹ 59	18 ⁴² 42	4 ²³ 23	5 ⁵⁵ 55	0 ⁵ 5	22 ⁵¹ 51	7 ⁵⁸ 58	0 ⁴⁸ 48	29 ⁴⁷ 47	9 ⁴⁵ 45	22 ³⁵ 35	M 30
T 31	20 34 46	7 ¹² 39'40	13 ⁵⁹ 59	14 ¹³ 13	20 ¹² 12	19 ¹¹ 11	4 ²⁸ 28	5 ⁵⁴ 54	0 ³ 3	22 ⁵⁴ 54	7 ⁵⁸ 58	0 ^{D48} 48	29 ⁴⁴ 44	9 ⁵² 52	22 ³⁵ 35	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23n11	6n55	4n16	19n46	0n39	21n33	0s58	19n37	0s19	10n40	1s13	0n8	2s23	11s54	0s47	21n17
M 2	23 7	11 21	3 28	19 19	0 30	21 44	0 55	19 47	0 19	10 43	1 13	0 8	2 23	11 54	0 47	21 16
T 3	23 3	15 20	2 28	18 52	0 20	21 54	0 53	19 57	0 18	10 46	1 13	0 8	2 23	11 55	0 47	21 16
W 4	22 58	18 35	1 17	18 24	0 9	22 3	0 50	20 6	0 17	10 49	1 14	0 9	2 23	11 55	0 47	21 16
T 5	22 52	20 46	0s1	17 57	0s2	22 12	0 48	20 16	0 17	10 52	1 14	0 9	2 24	11 56	0 47	21 15
F 6	22 47	21 35	1 21	17 30	0 13	22 21	0 45	20 25	0 16	10 55	1 14	0 9	2 24	11 56	0 47	21 15
S 7	22 41	20 51	2 36	17 3	0 25	22 28	0 43	20 34	0 15	10 58	1 14	0 10	2 24	11 57	0 47	21 15
S 8	22 34	18 37	3 41	16 36	0 37	22 36	0 40	20 42	0 14	11 1	1 14	0 10	2 25	11 58	0 47	21 14
M 9	22 27	15 5	4 30	16 9	0 49	22 42	0 38	20 51	0 14	11 3	1 14	0 10	2 25	11 58	0 47	21 14
T 10	22 20	10 38	4 59	15 44	1 2	22 48	0 35	20 59	0 13	11 6	1 15	0 10	2 25	11 59	0 47	21 14
W 11	22 12	5 40	5 9	15 18	1 15	22 53	0 33	21 7	0 12	11 8	1 15	0 10	2 25	11 59	0 47	21 13
T 12	22 4	0 33	4 58	14 54	1 28	22 58	0 30	21 15	0 11	11 11	1 15	0 10	2 26	12 0	0 47	21 13
F 13	21 56	4s26	4 31	14 30	1 41	23 2	0 27	21 23	0 11	11 13	1 15	0 10	2 26	12 0	0 47	21 13
S 14	21 47	9 3	3 50	14 7	1 55	23 5	0 25	21 30	0 10	11 16	1 15	0 10	2 26	12 1	0 47	21 12
S 15	21 38	13 7	2 59	13 45	2 8	23 7	0 22	21 38	0 9	11 18	1 16	0 10	2 27	12 2	0 47	21 12
M 16	21 28	16 30	2 0	13 24	2 22	23 9	0 19	21 45	0 8	11 20	1 16	0 10	2 27	12 2	0 47	21 11
T 17	21 18	19 4	0 58	13 5	2 35	23 10	0 17	21 52	0 8	11 23	1 16	0 9	2 27	12 3	0 47	21 11
W 18	21 8	20 46	0n7	12 47	2 49	23 11	0 14	21 58	0 7	11 25	1 16	0 9	2 27	12 4	0 47	21 11
T 19	20 58	21 31	1 10	12 31	3 2	23 11	0 12	22 5	0 6	11 27	1 16	0 9	2 28	12 4	0 47	21 10
F 20	20 47	21 18	2 10	12 16	3 16	23 10	0 9	22 11	0 5	11 29	1 17	0 8	2 28	12 5	0 47	21 10
S 21	20 35	20 8	3 4	12 4	3 28	23 9	0 6	22 17	0 4	11 31	1 17	0 8	2 28	12 6	0 47	21 10

ASTRODIENST EPHEMERIS for the year 1584

geocentric

AUGUST 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 38 42	8♂37°09	27♂52	13°R27	21♂25	20♂2	4♂32	5°R53	0°R 1	22♂56	7°R57	0°R48	29♂41	9♂59	22°R35	W 1
T 2	20 42 39	9°34'40	12♂6	12♂40	22°39	20°42	4°37	5°Y51	29♂59	22°58	7°Y57	0°Y48	29°38	10° 5	22°Y34	T 2
F 3	20 46 35	10°32'13	26°42	11°52	23°52	21°21	4°41	5°50	29°56	23° 0	7°56	0°46	29°34	10°12	22°34	F 3
S 4	20 50 32	11°29'46	11♂34	11° 4	25° 6	22° 1	4°45	5°48	29°54	23° 2	7°56	0°41	29°31	10°19	22°33	S 4
S 5	20 54 28	12°27'21	26°37	10°17	26°20	22°41	4°49	5°46	29°52	23° 4	7°55	0°34	29°28	10°25	22°33	S 5
M 6	20 58 25	13°24'58	11♂42	9°32	27°33	23°20	4°53	5°44	29°50	23° 7	7°55	0°24	29°25	10°32	22°32	M 6
T 7	21 2 22	14°22'35	26°37	8°50	28°47	24° 0	4°57	5°42	29°47	23° 9	7°54	0°14	29°22	10°39	22°32	T 7
W 8	21 6 18	15°20'14	11♂16	8°11	0♂ 0	24°39	5° 0	5°40	29°45	23°11	7°54	0° 3	29°19	10°45	22°31	W 8
T 9	21 10 15	16°17'53	25°29	7°37	1°14	25°19	5° 3	5°38	29°43	23°13	7°53	29♂54	29°15	10°52	22°30	T 9
F 10	21 14 11	17°15'34	9♂15	7° 9	2°28	25°58	5° 6	5°36	29°41	23°15	7°52	29°47	29°12	10°59	22°30	F 10
S 11	21 18 8	18°13'16	22°32	6°46	3°42	26°37	5° 9	5°34	29°38	23°17	7°52	29°43	29° 9	11° 5	22°29	S 11
S 12	21 22 4	19°10'59	5♂22	6°29	4°55	27°16	5°12	5°31	29°36	23°19	7°51	29°40	29° 6	11°12	22°28	S 12
M13	21 26 1	20° 8'43	17°50	6°20	6° 9	27°55	5°14	5°29	29°34	23°21	7°50	29°D40	29° 3	11°19	22°27	M13
T 14	21 29 57	21° 6'28	0♂ 0	6°D18	7°23	28°34	5°16	5°26	29°31	23°23	7°49	29°R40	28°59	11°25	22°26	T 14
W15	21 33 54	22° 4'14	11°58	6°23	8°37	29°13	5°19	5°23	29°29	23°25	7°49	29°39	28°56	11°32	22°25	W15
T 16	21 37 51	23° 2'02	23°49	6°36	9°51	29°52	5°20	5°21	29°26	23°27	7°48	29°37	28°53	11°39	22°24	T 16
F 17	21 41 47	23°59'50	5♂37	6°56	11° 5	0♂30	5°22	5°18	29°24	23°29	7°47	29°33	28°50	11°46	22°23	F 17
S 18	21 45 44	24°57'41	17°28	7°25	12°19	1° 9	5°24	5°15	29°22	23°31	7°46	29°26	28°47	11°52	22°22	S 18
S 19	21 49 40	25°55'32	29°24	8° 1	13°33	1°47	5°25	5°12	29°19	23°33	7°46	29°17	28°44	11°59	22°20	S 19
M20	21 53 37	26°53'25	11♂27	8°45	14°47	2°26	5°26	5° 9	29°17	23°35	7°45	29° 5	28°40	12° 6	22°19	M20
T 21	21 57 33	27°51'19	23°40	9°36	16° 1	3° 4	5°27	5° 6	29°15	23°37	7°44	28°51	28°37	12°12	22°18	T 21
W22	22 1 30	28°49'15	6♂ 4	10°34	17°15	3°42	5°28	5° 2	29°12	23°39	7°43	28°38	28°34	12°19	22°16	W22
T 23	22 5 26	29°47'12	18°38	11°39	18°29	4°20	5°28	4°59	29°10	23°41	7°42	28°25	28°31	12°26	22°15	T 23
F 24	22 9 23	0♂45'11	1°Y22	12°51	19°43	4°58	5°28	4°56	29° 7	23°43	7°41	28°14	28°28	12°32	22°13	F 24
S 25	22 13 19	1°43'12	14°18	14° 8	20°57	5°36	5°R29	4°52	29° 5	23°44	7°40	28° 6	28°25	12°39	22°12	S 25
S 26	22 17 16	2°41'14	27°25	15°32	22°11	6°14	5°28	4°49	29° 3	23°46	7°39	28° 1	28°21	12°46	22°10	S 26
M27	22 21 13	3°39'19	10♂45	17° 0	23°26	6°52	5°28	4°45	29° 0	23°48	7°39	27°59	28°18	12°52	22° 9	M27
T 28	22 25 9	4°37'26	24°19	18°33	24°40	7°30	5°28	4°41	28°58	23°50	7°38	27°58	28°15	12°59	22° 7	T 28
W29	22 29 6	5°35'34	8♂ 7	20°10	25°54	8° 7	5°27	4°38	28°55	23°52	7°37	27°58	28°12	13° 6	22° 5	W29
T 30	22 33 2	6°33'45	22°11	21°51	27° 9	8°45	5°26	4°34	28°53	23°53	7°36	27°57	28° 9	13°12	22° 4	T 30
F 31	22 36 59	7♂31'58	6♂30	23♂35	28♂23	9♂22	5♂25	4°Y30	28♂51	23♂55	7°Y35	27♂55	28♂5	13♂19	22°Y 2	F 31

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	18n 9	19n59	0n16	12n 9	4s52	22n 8	0n22	23n11	0n 4	11n49	1s19	0n 2	2s31	12s14	0s47	21n 6	0s27	12s37	17s12	20s22	20s 8	19s48	9n34	0n49	
T 2	17 54	21 18	1s 0	12 23	4 51	21 59	0 24	23 15	0 5	11 51	1 19	0 1	2 31	12 15	0 47	21 5	0 27	12 37	17 12	20 22	20 7	19 46	9 33	0 49	
F 3	17 38	21 14	2 13	12 39	4 49	21 49	0 26	23 19	0 6	11 52	1 19	0s 0	2 32	12 15	0 47	21 5	0 27	12 38	17 12	20 21	20 6	19 45	9 33	0 49	
S 4	17 22	19 41	3 19	12 56	4 44	21 38	0 29	23 22	0 7	11 53	1 20	0 1	2 32	12 16	0 47	21 5	0 27	12 38	17 13	20 20	20 6	19 44	9 33	0 49	
S 5	17 6	16 46	4 11	13 15	4 38	21 27	0 31	23 25	0 8	11 54	1 20	0 2	2 32	12 17	0 47	21 4	0 27	12 39	17 13	20 19	20 5	19 43	9 33	0 49	
M 6	16 50	12 44	4 46	13 34	4 29	21 15	0 33	23 28	0 9	11 55	1 20	0 3	2 33	12 18	0 47	21 4	0 27	12 39	17 13	20 17	20 4	19 42	9 33	0 49	
T 7	16 33	7 57	5 1	13 55	4 19	21 2	0 36	23 31	0 9	11 56	1 20	0 4	2 33	12 19	0 47	21 4	0 27	12 40	17 14	20 15	20 4	19 40	9 32	0 49	
W 8	16 16	2 47	4 56	14 16	4 8	20 49	0 38	23 33	0 10	11 57	1 21	0 5	2 33	12 19	0 47	21 3	0 27	12 41	17 14	20 12	20 3	19 39	9 32	0 49	
T 9	15 59	2s22	4 33	14 37	3 55	20 35	0 40	23 36	0 11	11 58	1 21	0 6	2 33	12 20	0 47	21 3	0 27	12 41	17 14	20 10	20 2	19 38	9 32	0 49	
F 10	15 42	7 15	3 54	14 58	3 41	20 20	0 42	23 38	0 12	11 59	1 21	0 7	2 33	12 21	0 47	21 3	0 27	12 42	17 15	20 9	20 1	19 37	9 32	0 49	
S 11	15 24	11 37	3 13	15 18	3 26	20 5	0 44	23 40	0 13	11 59	1 21	0 8	2 34	12 22	0 47	21 2	0 27	12 42	17 15	20 8	20 1	19 36	9 31	0 49	
S 12	15 6	15 18	2 5	15 38	3 10	19 50	0 46	23 41	0 14	12 0	1 21	0 9	2 34	12 23	0 47	21 2	0 27	12 43	17 15	20 8	20 0	19 35	9 31	0 49	
M13	14 48	18 11	1 2	15 56	2 53	19 33	0 48	23 43	0 14	12 1	1 22	0 11	2 34	12 24	0 47	21 2	0 27	12 43	17 15	20 7	19 59	19 33	9 30	0 49	
T 14	14 30	20 10	0n 2	16 14	2 36	19 17	0 50	23 44	0 15	12 1	1 22	0 12	2 34	12 24	0 48	21 1	0 27	12 44	17 16	20 7	19 59	19 32	9 30	0 49	
W15	14 11	21 12	1 5	16 30	2 18	18 59	0 52	23 46	0 16	12 2	1 22	0 13	2 35	12 25	0 48	21 1	0 27	12 44	17 16	20 7	19 58	19 31	9 30	0 49	
T 16	13 52	21 17	2 4	16 44	2 0	18 42	0 54	23 47	0 17	12 2	1 22	0 14	2 35	12 26	0 48	21 1	0 27	12 45	17 16	20 7	19 57	19 30	9 29	0 48	
F 17	13 33	20 24	2 58	16 56	1 42	18 23	0 56	23 47	0 18	12 3	1 23	0 16	2 35	12 27	0 48	21 0	0 27	12 45	17 17	20 6	19 57	19 28	9 29	0 48	
S 18	13 14	18 39	3 44	17 6	1 25	18 4	0 58	23 48	0 19	12 3	1 23	0 17	2 35	12 28	0 48	21 0	0 27	12 46	17 17	20 4	19 56	19 27	9 28	0 48	
S 19	12 54	16 4	4 21	17 13	1 7	17 45	1 0	23 49	0 20	12 3	1 23	0 19	2 36	12 29	0 48	21 0	0 27	12 46	17 17	20 2	19 55	19 26	9 28	0 48	
M20	12 35	12 48	4 46	17 18	0 50	17 25	1 1	23 49	0 21	12 3	1 23	0 20	2 36	12 29	0 48	20 59	0 27	12 47	17 17	20 0	19 54	19 25	9 27	0 48	
T 21	12 15	8 57	4 59	17 20	0 34	17 4	1 3	23 49	0 22	12 3	1 23	0 21	2 36	12 30	0 48	20 59	0 27	12 48	17 18	19 57	19 54	19 24	9 27	0 48	
W22	11 55	4 42	4 57	17 20	0 18	16 44	1 5	23 49	0 22	12 3	1 24	0 23	2 36	12 31	0 48	20 59	0 27	12 48	17 18	19 54	19 53	19 22	9 26	0 48	
T 23	11 34	0 11	4 42	17 16	0 3	16 22	1 6	23 49	0 23	12 3	1 24	0 24	2 36	12 32	0 48	20 58	0 27	12 49	17 18	19 51	19 52	19 21	9 26	0 48	
F 24	11 14	4n24	4 12	17 10	0n11	16 0	1 8	23 48	0 24	12 3	1 24	0 26	2 37	12 33	0 48	20 58	0 27	12 49	17 18	19 49	19 52	19 20	9 25	0 48	
S 25	10 53	8 51	3 29	17 1	0 24	15 38	1 9	23 47	0 25	12 3	1 24	0 27	2 37	12 34	0 48	20 58	0 27	12 50	17 18	19 47	19 51	19 19	9 24	0 48	
S 26	10 32	12 58	2 34	16 48	0 37	15 15	1 10	23 47	0 26	12 3	1 25	0 29	2 37	12 34	0 48	20 57	0 27	12 50	17 19	19 46	19 50	19 17	9 24	0 48	
M27	10 11	16 30	1 30	16 32	0 48	14 52	1 12	23 46	0 27	12 3	1 25	0 31	2 37	12 35	0 48	20 57	0 27	12 51	17 19	19 45	19 50	19 16	9 23	0 48	
T 28	9 50	19 12	0 19	16 14	0 59	14 29	1 13	23 45	0 28	12 2	1 25	0 32	2 37	12 36	0 48	20 57	0 27	12 51	17 19	19 45	19 49	19 15	9 22	0 48	
W29	9 29	20 50	0s53	15 52	1 8	14 5	1 14	23 43	0 29	12 2	1 25	0 34	2 38	12 37	0 48	20 56	0 27	12 52	17 19	19 45	19 48	19 14	9 22	0 48	
T 30	9 7	21 11	2 4	15 27	1 16	13 40	1 15	23 42	0 30	12 1	1 25	0 36	2 38	12 38	0 48	20 56	0 27	12 53	17 20	19 45	19 47	19 12	9 21	0 48	
F 31	8n46	20n11	3s 9	15n 0	1n24	13n15	1n16	23n40	0n31	12n 1	1s26	0s37	2s38	12s39	0s48	20n56	0s27	12s53	17s20	19s44	19s47	19s11	9n20	0n48	

ASTRODIENST EPHEMERIS for the year 1584
geocentric

SEPTEMBER 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 55	8♍30°13	21♌3	25♌22	29♌37	10♌0	5°R24	4°R26	28°R48	23♌57	7°R34	27°R50	28♌2	13♌26	22°R 0	S 1
S 2	22 44 52	9°28'30	5♌44	27°11	0♍52	10°37	5♌22	4°Y22	28°46	23°58	7°Y33	27♌43	27°59	13°32	21°Y58	S 2
M 3	22 48 48	10°26'49	20°28	29° 2	2° 6	11°14	5°20	4°18	28°44	24° 0	7°32	27°33	27°56	13°39	21°56	M 3
T 4	22 52 45	11°25'10	5♍7	0♍53	3°21	11°51	5°19	4°14	28°41	24° 2	7°31	27°22	27°53	13°46	21°54	T 4
W 5	22 56 42	12°23'32	19°32	2°46	4°35	12°28	5°16	4°10	28°39	24° 3	7°30	27°11	27°50	13°53	21°52	W 5
T 6	23 0 38	13°21'56	3♌38	4°40	5°50	13° 5	5°14	4° 6	28°37	24° 5	7°29	27° 1	27°46	13°59	21°50	T 6
F 7	23 4 35	14°20'23	17°20	6°34	7° 4	13°41	5°12	4° 1	28°34	24° 7	7°28	26°53	27°43	14° 6	21°48	F 7
S 8	23 8 31	15°18'51	0♍36	8°28	8°19	14°18	5° 9	3°57	28°32	24° 8	7°26	26°48	27°40	14°13	21°46	S 8
S 9	23 12 28	16°17'20	13°27	10°21	9°33	14°55	5° 6	3°53	28°30	24°10	7°25	26°45	27°37	14°19	21°43	S 9
M10	23 16 24	17°15'51	25°56	12°15	10°48	15°31	5° 3	3°48	28°28	24°11	7°24	26°D44	27°34	14°26	21°41	M10
T 11	23 20 21	18°14'24	8♌8	14° 8	12° 3	16° 7	5° 0	3°44	28°26	24°13	7°23	26°45	27°31	14°33	21°39	T 11
W12	23 24 17	19°12'59	20° 7	16° 1	13°17	16°43	4°56	3°40	28°23	24°14	7°22	26°R45	27°27	14°39	21°37	W12
T 13	23 28 14	20°11'36	1♌59	17°52	14°32	17°20	4°53	3°35	28°21	24°16	7°21	26°44	27°24	14°46	21°34	T 13
F 14	23 32 11	21°10'14	13°49	19°44	15°47	17°55	4°49	3°31	28°19	24°17	7°20	26°41	27°21	14°53	21°32	F 14
S 15	23 36 7	22° 8'53	25°42	21°34	17° 1	18°31	4°45	3°26	28°17	24°18	7°19	26°37	27°18	14°59	21°30	S 15
S 16	23 40 4	23° 7'35	7♌42	23°23	18°16	19° 7	4°41	3°21	28°15	24°20	7°18	26°29	27°15	15° 6	21°27	S 16
M17	23 44 0	24° 6'18	19°52	25°12	19°31	19°43	4°36	3°17	28°13	24°21	7°17	26°20	27°11	15°13	21°25	M17
T 18	23 47 57	25° 5'03	2♌16	26°59	20°46	20°18	4°32	3°12	28°11	24°22	7°15	26° 9	27° 8	15°19	21°22	T 18
W19	23 51 53	26° 3'50	14°53	28°46	22° 1	20°54	4°27	3° 8	28° 9	24°24	7°14	25°58	27° 5	15°26	21°20	W19
T 20	23 55 50	27° 2'39	27°44	0♌32	23°15	21°29	4°22	3° 3	28° 7	24°25	7°13	25°48	27° 2	15°33	21°17	T 20
F 21	23 59 46	28° 1'30	10°Y50	2°17	24°30	22° 4	4°17	2°58	28° 5	24°26	7°12	25°39	26°59	15°39	21°14	F 21
S 22	0 3 43	29° 0'23	24° 7	4° 1	25°45	22°39	4°12	2°54	28° 3	24°27	7°11	25°33	26°56	15°46	21°12	S 22
S 23	0 7 40	29°59'19	7♌35	5°44	27° 0	23°14	4° 6	2°49	28° 1	24°28	7°10	25°29	26°52	15°53	21° 9	S 23
M24	0 11 36	0♌58'16	21°13	7°26	28°15	23°49	4° 1	2°44	27°59	24°29	7° 9	25°D27	26°49	16° 0	21° 7	M24
T 25	0 15 33	1°57'16	5♌0	9° 7	29°30	24°23	3°55	2°40	27°57	24°31	7° 7	25°27	26°46	16° 6	21° 4	T 25
W26	0 19 29	2°56'18	18°56	10°48	0♌45	24°58	3°49	2°35	27°55	24°32	7° 6	25°28	26°43	16°13	21° 1	W26
T 27	0 23 26	3°55'23	2♌59	12°27	1°59	25°32	3°43	2°30	27°53	24°33	7° 5	25°R29	26°40	16°20	20°58	T 27
F 28	0 27 22	4°54'30	17° 9	14° 6	3°14	26° 7	3°37	2°25	27°52	24°34	7° 4	25°28	26°36	16°26	20°56	F 28
S 29	0 31 19	5°53'39	1♌24	15°44	4°29	26°41	3°31	2°21	27°50	24°35	7° 3	25°26	26°33	16°33	20°53	S 29
S 30	0 35 15	6♌52'51	15♌43	17♌21	5♌44	27♌15	3♌24	2°Y16	27°48	24°36	7°Y 2	25♌21	26♌30	16♌30	20°Y50	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	8n24	17n51	4 s 2	14n30	1n30	12n50	1n18	23n38	0n32	12n 0	1s26	0s39	2s38	12s39	0s48	20n56
S 2	8 2	14 21	4 40	13 58	1 35	12 25	1 18	23 36	0 33	11 59	1 26	0 41	2 38	12 40	0 48	20 55
M 3	7 40	9 58	4 59	13 24	1 40	11 59	1 19	23 34	0 33	11 59	1 26	0 42	2 38	12 41	0 48	20 55
T 4	7 18	5 2	4 58	12 47	1 43	11 33	1 20	23 32	0 34	11 58	1 26	0 44	2 38	12 42	0 48	20 55
W 5	6 56	0s 7	4 39	12 9	1 46	11 6	1 21	23 30	0 35	11 57	1 27	0 46	2 39	12 43	0 47	20 54
T 6	6 33	5 9	4 3	11 29	1 48	10 40	1 22	23 27	0 36	11 56	1 27	0 48	2 39	12 43	0 47	20 54
F 7	6 11	9 47	3 13	10 48	1 48	10 12	1 22	23 24	0 37	11 55	1 27	0 50	2 39	12 44	0 47	20 54
S 8	5 48	13 48	2 14	10 6	1 49	9 45	1 23	23 21	0 38	11 54	1 27	0 51	2 39	12 45	0 47	20 54
S 9	5 25	17 1	1 10	9 22	1 48	9 17	1 23	23 18	0 39	11 53	1 27	0 53	2 39	12 46	0 47	20 53
M10	5 2	19 21	0 4	8 38	1 47	8 50	1 24	23 15	0 40	11 52	1 28	0 55	2 39	12 47	0 47	20 53
T 11	4 40	20 43	1n 0	7 52	1 45	8 21	1 24	23 12	0 41	11 50	1 28	0 57	2 39	12 47	0 47	20 53
W12	4 17	21 7	2 1	7 7	1 43	7 53	1 25	23 8	0 42	11 49	1 28	0 59	2 39	12 48	0 47	20 53
T 13	3 54	20 32	2 56	6 20	1 40	7 24	1 25	23 5	0 43	11 48	1 28	1 1	2 40	12 49	0 47	20 52
F 14	3 30	19 4	3 43	5 34	1 37	6 56	1 25	23 1	0 44	11 46	1 28	1 3	2 40	12 50	0 47	20 52
S 15	3 7	16 46	4 21	4 47	1 33	6 27	1 25	22 57	0 45	11 45	1 28	1 4	2 40	12 50	0 47	20 52
S 16	2 44	13 45	4 48	4 0	1 29	5 57	1 25	22 53	0 46	11 43	1 29	1 6	2 40	12 51	0 47	20 52
M17	2 21	10 6	5 2	3 12	1 25	5 28	1 25	22 49	0 47	11 41	1 29	1 8	2 40	12 52	0 47	20 51
T 18	1 57	5 59	5 2	2 25	1 20	4 58	1 25	22 45	0 48	11 40	1 29	1 10	2 40	12 52	0 47	20 51
W19	1 34	1 33	4 48	1 38	1 15	4 29	1 25	22 41	0 49	11 38	1 29	1 12	2 40	12 53	0 47	20 51
T 20	1 11	3n 3	4 18	0 51	1 9	3 59	1 25	22 36	0 50	11 36	1 29	1 14	2 40	12 54	0 47	20 51
F 21	0 47	7 35	3 35	0 4	1 4	3 29	1 25	22 31	0 51	11 34	1 29	1 16	2 40	12 54	0 47	20 50
S 22	0 24	11 51	2 40	0s43	0 58	2 59	1 24	22 27	0 52	11 33	1 29	1 18	2 40	12 55	0 47	20 50
S 23	0 0	15 34	1 34	1 29	0 52	2 29	1 24	22 22	0 53	11 31	1 30	1 20	2 40	12 56	0 47	20 50
M24	0s23	18 28	0 23	2 16	0 45	1 59	1 24	22 17	0 54	11 29	1 30	1 22	2 40	12 56	0 47	20 50
T 25	0 47	20 20	0s1	3 1	0 39	1 28	1 23	22 12	0 56	11 27	1 30	1 23	2 40	12 57	0 47	20 50
W26	1 10	20 59	2 3	3 47	0 33	0 58	1 22	22 7	0 57	11 24	1 30	1 25	2 40	12 58	0 47	20 49
T 27	1 34	20 20	3 8	4 32	0 26	0 27	1 22	22 1	0 58	11 22	1 30	1 27	2 40	12 58	0 47	20 49
F 28	1 57	18 23	4 2	5 17	0 19	0s 3	1 21	21 56	0 59	11 20	1 30	1 29	2 40	12 59	0 47	20 49
S 29	2 21	15 19	4 41	6 1	0 12	0 34	1 20	21 51	1 0	11 18	1 30	1 31	2 40	12 59	0 47	20 49
S 30	2s44	11n20	5s 3	6s44	0n 6	1s 4	1n19	21n45	1n 1	11n16	1s30	1s33	2s40	13s 0	0s47	20n49

Julian Day Number = 2299847.5, Delta T = 111.99 sec
Ecliptic obliquity = 23°29'31", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°56'38", Lahiri = 18°03'39"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1584

geocentric

OCTOBER 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 39 12	7♂52°05	29♂59	18♂57	6♂59	27♂49	3°R18	2°R11	27°R46	24♂36	7°R 0	25°R15	26♂27	16♂46	20°R47	M 1
T 2	0 43 9	8°51'21	14♂11	20°33	8°14	28°23	3♂11	2°Y 7	27°45	24°37	6°Y59	25♂ 7	26°24	16°53	20°Y45	T 2
W 3	0 47 5	9°50'39	28°12	22° 7	9°29	28°56	3° 4	2° 2	27°43	24°38	6°58	24°59	26°21	17° 0	20°42	W 3
T 4	0 51 2	10°49'59	11♂58	23°41	10°44	29°30	2°57	1°57	27°42	24°39	6°57	24°53	26°17	17° 6	20°39	T 4
F 5	0 54 58	11°49'22	25°26	25°15	11°59	0♂ 3	2°50	1°53	27°40	24°40	6°56	24°47	26°14	17°13	20°36	F 5
S 6	0 58 55	12°48'46	8♂32	26°47	13°15	0°36	2°43	1°48	27°39	24°41	6°55	24°44	26°11	17°20	20°33	S 6
S 7	1 2 51	13°48'13	21°19	28°19	14°30	1° 9	2°36	1°44	27°37	24°41	6°53	24°D43	26° 8	17°27	20°30	S 7
M 8	1 6 48	14°47'41	3♂47	29°50	15°45	1°42	2°28	1°39	27°36	24°42	6°52	24°43	26° 5	17°33	20°27	M 8
T 9	1 10 44	15°47'11	15°59	1♂21	17° 0	2°15	2°21	1°35	27°34	24°43	6°51	24°44	26° 2	17°40	20°24	T 9
W10	1 14 41	16°46'44	27°59	2°50	18°15	2°47	2°13	1°30	27°33	24°43	6°50	24°46	25°58	17°47	20°22	W10
T 11	1 18 37	17°46'17	9♂52	4°20	19°30	3°20	2° 6	1°26	27°32	24°44	6°49	24°47	25°55	17°53	20°19	T 11
F 12	1 22 34	18°45'53	21°42	5°48	20°45	3°52	1°58	1°21	27°31	24°44	6°48	24°R48	25°52	18° 0	20°16	F 12
S 13	1 26 31	19°45'30	3♂36	7°16	22° 0	4°24	1°50	1°17	27°29	24°45	6°46	24°47	25°49	18° 7	20°13	S 13
S 14	1 30 27	20°45'10	15°38	8°42	23°15	4°56	1°42	1°13	27°28	24°45	6°45	24°44	25°46	18°13	20°10	S 14
M15	1 34 24	21°44'50	27°51	10° 9	24°30	5°28	1°34	1° 9	27°27	24°46	6°44	24°40	25°42	18°20	20° 7	M15
T 16	1 38 20	22°44'33	10♂20	11°34	25°46	5°59	1°26	1° 4	27°26	24°46	6°43	24°35	25°39	18°27	20° 4	T 16
W17	1 42 17	23°44'17	23° 7	12°59	27° 1	6°31	1°18	1° 0	27°25	24°47	6°42	24°30	25°36	18°33	20° 1	W17
T 18	1 46 13	24°44'04	6°Y12	14°23	28°16	7° 2	1°10	0°56	27°24	24°47	6°41	24°25	25°33	18°40	19°58	T 18
F 19	1 50 10	25°43'52	19°36	15°46	29°31	7°33	1° 2	0°52	27°23	24°47	6°40	24°20	25°30	18°47	19°55	F 19
S 20	1 54 6	26°43'42	3♂17	17° 8	0♂46	8° 4	0°54	0°48	27°22	24°48	6°39	24°18	25°27	18°54	19°53	S 20
S 21	1 58 3	27°43'34	17°11	18°29	2° 1	8°34	0°46	0°44	27°22	24°48	6°38	24°16	25°23	19° 0	19°50	S 21
M22	2 2 0	28°43'28	1♂16	19°49	3°17	9° 5	0°38	0°40	27°21	24°48	6°37	24°D16	25°20	19° 7	19°47	M22
T 23	2 5 56	29°43'25	15°28	21° 8	4°32	9°35	0°30	0°36	27°20	24°48	6°35	24°17	25°17	19°14	19°44	T 23
W24	2 9 53	0♂43'24	29°43	22°25	5°47	10° 5	0°22	0°33	27°19	24°48	6°34	24°19	25°14	19°20	19°41	W24
T 25	2 13 49	1°43'24	13♂58	23°42	7° 2	10°35	0°13	0°29	27°19	24°49	6°33	24°20	25°11	19°27	19°38	T 25
F 26	2 17 46	2°43'27	28°11	24°57	8°17	11° 5	0° 5	0°25	27°18	24°49	6°32	24°R21	25° 8	19°34	19°36	F 26
S 27	2 21 42	3°43'32	12♂20	26°10	9°32	11°34	29°Y57	0°22	27°18	24°49	6°31	24°21	25° 4	19°40	19°33	S 27
S 28	2 25 39	4°43'40	26°22	27°22	10°48	12° 4	29°49	0°18	27°17	24°R49	6°30	24°19	25° 1	19°47	19°30	S 28
M29	2 29 35	5°43'49	10♂16	28°32	12° 3	12°33	29°41	0°15	27°17	24°49	6°29	24°17	24°58	19°54	19°27	M29
T 30	2 33 32	6°44'00	24° 1	29°39	13°18	13° 2	29°33	0°12	27°16	24°49	6°28	24°15	24°55	20° 1	19°24	T 30
W31	2 37 29	7♂44'14	7♂33	0♂44	14♂33	13♂30	29°Y25	0°Y 9	27°16	24°49	6°Y27	24♂13	24♂52	20♂ 7	19°Y22	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	3s 8	6n43	5s 7	7s28	0s 1	1s35	1n19	21n39	1n 2	11n13	1s30	1s35	2s40	13s 1	0s47	20n49	0s27	13s 9	17s23	19s 7	19s24	18s30	8n51	0n46			
T 2	3 31	1 45	4 51	8 10	0 8	2 5	1 18	21 34	1 3	11 11	1 31	1 37	2 40	13 1	0 47	20 48	0 27	13 10	17 23	19 5	19 23	18 29	8 49	0 46			
W 3	3 54	3s14	4 18	8 52	0 15	2 36	1 17	21 28	1 4	11 9	1 31	1 38	2 40	13 2	0 47	20 48	0 27	13 10	17 23	19 3	19 23	18 27	8 48	0 46			
T 4	4 18	7 58	3 30	9 34	0 22	3 6	1 16	21 22	1 5	11 6	1 31	1 40	2 40	13 2	0 47	20 48	0 27	13 10	17 23	19 2	19 22	18 26	8 47	0 46			
F 5	4 41	12 13	2 32	10 15	0 29	3 37	1 14	21 16	1 7	11 4	1 31	1 42	2 40	13 3	0 47	20 48	0 27	13 11	17 23	19 0	19 21	18 25	8 46	0 46			
S 6	5 4	15 45	1 27	10 55	0 36	4 7	1 13	21 10	1 8	11 1	1 31	1 44	2 40	13 3	0 47	20 48	0 27	13 11	17 23	19 0	19 20	18 23	8 45	0 46			
S 7	5 27	18 26	0 18	11 34	0 43	4 37	1 12	21 4	1 9	10 59	1 31	1 46	2 40	13 4	0 47	20 48	0 27	13 12	17 23	18 59	19 20	18 22	8 44	0 45			
M 8	5 51	20 9	0n49	12 13	0 50	5 7	1 11	20 58	1 10	10 56	1 31	1 47	2 40	13 4	0 47	20 48	0 27	13 12	17 23	18 59	19 19	18 20	8 43	0 45			
T 9	6 14	20 53	1 53	12 52	0 57	5 37	1 9	20 51	1 11	10 53	1 31	1 49	2 40	13 4	0 47	20 47	0 27	13 12	17 22	19 0	19 18	18 19	8 41	0 45			
W10	6 36	20 37	2 51	13 29	1 4	6 7	1 8	20 45	1 12	10 51	1 31	1 51	2 40	13 5	0 47	20 47	0 27	13 13	17 22	19 0	19 17	18 18	8 40	0 45			
T 11	6 59	19 27	3 41	14 6	1 11	6 37	1 7	20 39	1 13	10 48	1 31	1 53	2 40	13 5	0 47	20 47	0 27	13 13	17 22	19 0	19 17	18 16	8 39	0 45			
F 12	7 22	17 26	4 22	14 42	1 17	7 7	1 5	20 32	1 15	10 46	1 31	1 54	2 40	13 6	0 47	20 47	0 27	13 14	17 22	19 1	19 16	18 15	8 38	0 45			
S 13	7 45	14 40	4 51	15 17	1 24	7 36	1 4	20 26	1 16	10 43	1 31	1 56	2 40	13 6	0 47	20 47	0 27	13 14	17 22	19 0	19 15	18 13	8 37	0 45			
S 14	8 7	11 17	5 8	15 52	1 30	8 6	1 2	20 19	1 17	10 40	1 31	1 58	2 40	13 6	0 47	20 47	0 27	13 14	17 22	19 0	19 14	18 12	8 35	0 45			
M15	8 30	7 22	5 12	16 25	1 37	8 35	1 0	20 13	1 18	10 37	1 31	1 59	2 40	13 7	0 47	20 47	0 27	13 15	17 22	18 59	19 14	18 11	8 34	0 45			
T 16	8 52	3 4	5 0	16 58	1 43	9 4	0 59	20 6	1 19	10 35	1 31	2 1	2 40	13 7	0 47	20 47	0 27	13 15	17 22	18 57	19 13	18 9	8 33	0 45			
W17	9 14	1n27	4 34	17 30	1 49	9 33	0 57	19 59	1 21	10 32	1 31	2 2	2 40	13 7	0 47	20 47	0 27	13 15	17 22	18 56	19 12	18 8	8 32	0 45			
T 18	9 36	6 2	3 53	18 1	1 55	10 1	0 55	19 53	1 22	10 29	1 31	2 4	2 39	13 8	0 47	20 47	0 27	13 16	17 22	18 55	19 11	18 6	8 31	0 45			
F 19	9 58	10 26	2 59	18 31	2 0	10 30	0 53	19 46	1 23	10 26	1 31	2 5	2 39	13 8	0 47	20 47	0 27	13 16	17 22	18 54	19 11	18 5	8 30	0 44			
S 20	10 20	14 24	1 53	19 0	2 6	10 58	0 51	19 39	1 24	10 24	1 31	2 7	2 39	13 8	0 46	20 46	0 27	13 16	17 21	18 53	19 10	18 4	8 28	0 44			
S 21	10 41	17 37	0 39	19 28	2 11	11 26	0 49	19 32	1 26	10 21	1 31	2 8	2 39	13 9	0 46	20 46	0 27	13 17	17 21	18 53	19 9	18 2	8 27	0 44			
M22	11 3	19 50	0s38	19 55	2 16	11 53	0 47	19 25	1 27	10 18	1 31	2 10	2 39	13 9	0 46	20 46	0 27	13 17	17 21	18 53	19 8	18 1	8 26	0 44			
T 23	11 24	20 48	1 54	20 20	2 21	12 21	0 45	19 18	1 28	10 15	1 31	2 11	2 39	13 9	0 46	20 46	0 27	13 17	17 21	18 53	19 8	17 59	8 25	0 44			
W24	11 45	20 27	3 3	20 45	2 25	12 48	0 43	19 12	1 30	10 12	1 31	2 13	2 39	13 9	0 46	20 46	0 27	13 17	17 21	18 53	19 7	17 58	8 24	0 44			
T 25	12 6	18 46	4 1	21 9	2 29	13 14	0 41	19 5	1 31	10 10	1 31	2 14	2 39	13 9	0 46	20 46	0 27	13 18	17 21	18 54	19 6	17 56	8 23	0 44			
F 26	12 27	15 57	4 43	21 31	2 33	13 41	0 39	18 58	1 32	10 7	1 30	2 15	2 39	13 10	0 46	20 46	0 27	13 18	17 21	18 54	19 5	17 55	8 21	0 44			
S 27	12 47	12 12	5 8	21 52	2 36	14 7	0 37	18 51	1 33	10 4	1 30	2 17	2 38	13 10	0 46	20 46	0 27	13 18	17 20	18 54	19 5	17 53	8 20	0 44			
S 28	13 8	7 49	5 15	22 12	2 39	14 33	0 35	18 44	1 35	10 1	1 30	2 18	2 38	13 10	0 46	20 46	0 27	13 18	17 20	18 54	19 4	17 52	8 19	0 44			
M29	13 28	3 3	5 3	22 30	2 42	14 58	0 33	18 37	1 36	9 59	1 30	2 19	2 38	13 10	0 46	20 46	0 27	13 19	17 20	18 53	19 3	17 51	8 18	0 44			
T 30	13 48	1s49	4 34	22 47	2 44	15 23	0 31	18 30	1 37	9 56	1 30	2 20	2 38	13 10	0 46	20 46	0 27	13 19	17 20	18 53	19 2	17 49	8 17	0 43			
W31	14s 7	6s31	3s50	23s 3	2s45	15s47	0n28	18n23	1n39	9n53	1s30	2s21	2s38	13s10	0s46	20n46	0s27	13s19	17s20	18s52	19s 1	17s48	8n16	0n43			

ASTRODIENST EPHEMERIS for the year 1584
geocentric

NOVEMBER 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 25	8♉44'29	20♊53	1♈47	15♉49	13♊59	29°R17	0°R 5	27°R16	24°R48	6°R26	24°R10	24♉48	20♊14	19°R19	T 1
F 2	2 45 22	9°44'47	3♉58	2°46	17° 4	14°27	29°Y 9	0°Y 2	27°≈15	24°≈48	6°Y25	24♉ 9	24°45	20°21	19°Y16	F 2
S 3	2 49 18	10°45'06	16°48	3°43	18°19	14°55	29° 1	29°X59	27°15	24°48	6°24	24° 8	24°42	20°27	19°14	S 3
S 4	2 53 15	11°45'26	29°23	4°35	19°34	15°22	28°53	29°56	27°15	24°48	6°24	24°D 8	24°39	20°34	19°11	S 4
M 5	2 57 11	12°45'49	11♈43	5°23	20°50	15°50	28°46	29°54	27°15	24°48	6°23	24° 9	24°36	20°41	19° 8	M 5
T 6	3 1 8	13°46'13	23°52	6° 6	22° 5	16°17	28°38	29°51	27°D15	24°47	6°22	24° 9	24°33	20°47	19° 6	T 6
W 7	3 5 4	14°46'39	5♊51	6°44	23°20	16°44	28°31	29°48	27°15	24°47	6°21	24°11	24°29	20°54	19° 3	W 7
T 8	3 9 1	15°47'06	17°44	7°16	24°35	17°10	28°23	29°46	27°15	24°47	6°20	24°11	24°26	21° 1	19° 1	T 8
F 9	3 12 58	16°47'34	29°34	7°41	25°50	17°37	28°16	29°43	27°15	24°46	6°19	24°12	24°23	21° 8	18°58	F 9
S 10	3 16 54	17°48'04	11♈27	7°59	27° 6	18° 3	28° 9	29°41	27°15	24°46	6°18	24°13	24°20	21°14	18°56	S 10
S 11	3 20 51	18°48'35	23°27	8° 8	28°21	18°29	28° 1	29°39	27°15	24°45	6°17	24°R13	24°17	21°21	18°53	S 11
M12	3 24 47	19°49'07	5♈38	8°R 9	29°36	18°54	27°54	29°37	27°16	24°45	6°17	24°12	24°13	21°28	18°51	M12
T 13	3 28 44	20°49'41	18° 6	8° 0	0♈51	19°19	27°47	29°34	27°16	24°44	6°16	24°12	24°10	21°34	18°49	T 13
W14	3 32 40	21°50'16	0°Y53	7°41	2° 7	19°44	27°41	29°32	27°16	24°44	6°15	24°12	24° 7	21°41	18°46	W14
T 15	3 36 37	22°50'52	14° 3	7°12	3°22	20° 9	27°34	29°31	27°17	24°43	6°14	24°11	24° 4	21°48	18°44	T 15
F 16	3 40 33	23°51'29	27°37	6°32	4°37	20°33	27°27	29°29	27°17	24°43	6°14	24°D11	24° 1	21°54	18°42	F 16
S 17	3 44 30	24°52'08	11♊34	5°41	5°52	20°57	27°21	29°27	27°18	24°42	6°13	24°11	23°58	22° 1	18°40	S 17
S 18	3 48 27	25°52'48	25°50	4°41	7° 8	21°21	27°15	29°26	27°18	24°41	6°12	24°R11	23°54	22° 8	18°37	S 18
M19	3 52 23	26°53'29	10♊22	3°32	8°23	21°44	27° 9	29°24	27°19	24°40	6°12	24°11	23°51	22°15	18°35	M19
T 20	3 56 20	27°54'12	25° 4	2°16	9°38	22° 8	27° 3	29°23	27°20	24°40	6°11	24°11	23°48	22°21	18°33	T 20
W21	4 0 16	28°54'57	9♊47	0°56	10°53	22°30	26°57	29°22	27°20	24°39	6°10	24°11	23°45	22°28	18°31	W21
T 22	4 4 13	29°55'43	24°26	29♉34	12° 8	22°53	26°51	29°20	27°21	24°38	6°10	24°10	23°42	22°35	18°29	T 22
F 23	4 8 9	0♈56'30	8♊56	28°12	13°24	23°15	26°46	29°19	27°22	24°37	6° 9	24° 9	23°39	22°41	18°27	F 23
S 24	4 12 6	1°57'19	23°11	26°54	14°39	23°36	26°41	29°18	27°23	24°36	6° 8	24° 9	23°35	22°48	18°25	S 24
S 25	4 16 2	2°58'09	7♉10	25°41	15°54	23°58	26°35	29°18	27°24	24°36	6° 8	24°D 9	23°32	22°55	18°23	S 25
M26	4 19 59	3°59'01	20°52	24°37	17° 9	24°18	26°30	29°17	27°25	24°35	6° 7	24° 9	23°29	23° 1	18°21	M26
T 27	4 23 56	4°59'54	4♊18	23°43	18°24	24°39	26°26	29°16	27°26	24°34	6° 7	24°10	23°26	23° 8	18°20	T 27
W28	4 27 52	6° 0'49	17°27	23° 0	19°40	24°59	26°21	29°16	27°27	24°33	6° 6	24°11	23°23	23°15	18°18	W28
T 29	4 31 49	7° 1'45	0♉23	22°27	20°55	25°19	26°17	29°15	27°28	24°32	6° 6	24°12	23°19	23°22	18°16	T 29
F 30	4 35 45	8♈2'42	13♉ 5	22♉ 7	22♈10	25♊38	26°Y12	29°X15	27°≈29	24°≈31	6°Y 5	24♉13	23♉16	23°≈28	18°Y15	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s27	10s51	2s54	23s17	2s46	16s12	0n26	18n16	1n40	9n51	1s30	2s22	2s38	13s10	0s46	20n46	0s27	13s19	17s19	18s51	19s 1	17s46	8n15	0n43	
F 2	14 46	14 35	1 49	23 29	2 46	16 35	0 24	18 9	1 42	9 48	1 30	2 23	2 37	13 10	0 46	20 46	0 27	13 20	17 19	18 51	19 0	17 45	8 14	0 43	
S 3	15 5	17 32	0 41	23 39	2 46	16 59	0 21	18 2	1 43	9 45	1 30	2 24	2 37	13 10	0 46	20 46	0 27	13 20	17 19	18 51	18 59	17 43	8 12	0 43	
S 4	15 24	19 35	0n29	23 48	2 45	17 21	0 19	17 55	1 44	9 43	1 29	2 25	2 37	13 10	0 46	20 46	0 27	13 20	17 19	18 51	18 58	17 42	8 11	0 43	
M 5	15 42	20 39	1 36	23 55	2 43	17 44	0 17	17 49	1 46	9 40	1 29	2 26	2 37	13 10	0 46	20 46	0 27	13 20	17 19	18 51	18 58	17 40	8 10	0 43	
T 6	16 0	20 44	2 38	24 0	2 40	18 6	0 14	17 42	1 47	9 38	1 29	2 27	2 37	13 10	0 46	20 46	0 27	13 20	17 18	18 51	18 57	17 39	8 9	0 43	
W 7	16 18	19 51	3 31	24 2	2 36	18 27	0 12	17 35	1 49	9 35	1 29	2 28	2 37	13 10	0 46	20 47	0 27	13 20	17 18	18 51	18 56	17 37	8 8	0 43	
T 8	16 36	18 6	4 15	24 3	2 31	18 48	0 10	17 28	1 50	9 33	1 29	2 29	2 36	13 10	0 46	20 47	0 27	13 20	17 18	18 52	18 55	17 36	8 7	0 43	
F 9	16 53	15 35	4 49	24 1	2 25	19 9	0 7	17 22	1 52	9 30	1 29	2 30	2 36	13 10	0 46	20 47	0 27	13 20	17 18	18 52	18 54	17 34	8 6	0 42	
S 10	17 11	12 25	5 10	23 56	2 17	19 28	0 5	17 15	1 53	9 28	1 28	2 31	2 36	13 10	0 46	20 47	0 27	13 21	17 17	18 52	18 54	17 33	8 5	0 42	
S 11	17 27	8 44	5 17	23 49	2 8	19 48	0 2	17 8	1 55	9 25	1 28	2 31	2 36	13 10	0 46	20 47	0 27	13 21	17 17	18 52	18 53	17 31	8 4	0 42	
M12	17 44	4 38	5 11	23 39	1 58	20 7	0s 0	17 2	1 56	9 23	1 28	2 32	2 36	13 10	0 46	20 47	0 27	13 21	17 17	18 52	18 52	17 30	8 3	0 42	
T 13	18 0	0 16	4 50	23 26	1 46	20 25	0 2	16 55	1 58	9 21	1 28	2 33	2 35	13 10	0 46	20 47	0 27	13 21	17 17	18 52	18 51	17 28	8 2	0 42	
W14	18 16	4n15	4 15	23 10	1 32	20 43	0 5	16 49	1 59	9 18	1 28	2 33	2 35	13 9	0 46	20 47	0 27	13 21	17 16	18 52	18 51	17 27	8 1	0 42	
T 15	18 31	8 42	3 25	22 50	1 17	21 0	0 7	16 43	2 1	9 16	1 27	2 34	2 35	13 9	0 46	20 47	0 27	13 21	17 16	18 52	18 50	17 25	8 0	0 42	
F 16	18 47	12 52	2 22	22 27	1 1	21 16	0 10	16 36	2 3	9 14	1 27	2 34	2 35	13 9	0 45	20 47	0 27	13 21	17 16	18 52	18 49	17 24	7 59	0 42	
S 17	19 2	16 26	1 10	22 0	0 43	21 32	0 12	16 30	2 4	9 12	1 27	2 35	2 34	13 9	0 45	20 47	0 27	13 21	17 16	18 52	18 48	17 22	7 58	0 42	
S 18	19 16	19 7	0s 9	21 31	0 24	21 47	0 15	16 24	2 6	9 10	1 27	2 35	2 34	13 9	0 45	20 47	0 27	13 21	17 15	18 52	18 47	17 21	7 57	0 41	
M19	19 30	20 35	1 29	20 58	0 4	22 2	0 17	16 18	2 7	9 8	1 26	2 36	2 34	13 8	0 45	20 48	0 27	13 21	17 15	18 52	18 47	17 19	7 56	0 41	
T 20	19 44	20 41	2 43	20 23	0n17	22 16	0 20	16 12	2 9	9 6	1 26	2 36	2 34	13 8	0 45	20 48	0 27	13 21	17 15	18 52	18 46	17 18	7 55	0 41	
W21	19 58	19 21	3 47	19 47	0 37	22 29	0 22	16 6	2 11	9 4	1 26	2 36	2 34	13 8	0 45	20 48	0 27	13 21	17 14	18 51	18 45	17 16	7 54	0 41	
T 22	20 11	16 45	4 36	19 10	0 57	22 42	0 24	16 0	2 12	9 3	1 26	2 36	2 33	13 8	0 45	20 48	0 27	13 21	17 14	18 51	18 44	17 15	7 54	0 41	
F 23	20 24	13 8	5 6	18 34	1 16	22 54	0 27	15 55	2 14	9 1	1 25	2 37	2 33	13 7	0 45	20 48	0 27	13 21	17 14	18 51	18 43	17 13	7 53	0 41	
S 24	20 36	8 49	5 17	17 59	1 34	23 5	0 29	15 49	2 16	8 59	1 25	2 37	2 33	13 7	0 45	20 48	0 27	13 21	17 13	18 51	18 43	17 12	7 52	0 41	
S 25	20 48	4 7	5 9	17 27	1 50	23 16	0 32	15 43	2 18	8 57	1 25	2 37	2 33	13 7	0 45	20 48	0 27	13 21	17 13	18 51	18 42	17 10	7 51	0 41	
M26	20 59	0s43	4 44	16 58	2 4	23 26	0 34	15 38	2 19	8 56	1 25	2 37	2 32	13 6	0 45	20 49	0 27	13 21	17 13	18 51	18 41	17 9	7 50	0 41	
T 27	21 11	5 25	4 3	16 33	2 16	23 35	0 36	15 33	2 21	8 54	1 24	2 37	2 32	13 6	0 45	20 49	0 27	13 21	17 13	18 51	18 40	17 7	7 49	0 40	
W28	21 21	9 47	3 10	16 13	2 25	23 44	0 39	15 28	2 23	8 53	1 24	2 37	2 32	13 5	0 45	20 49	0 27	13 21	17 12	18 52	18 39	17 6	7 49	0 40	
T 29	21 32	13 38	2 8	15 58	2 33	23 51	0 41	15 23	2 25	8 52	1 24	2 37	2 32	13 5	0 45	20 49	0 27	13 20	17 12	18 52	18 39	17 4	7 48	0 40	
F 30	21s42	16s46	1s 1	15s47	2n38	23s59	0s43	15n18	2n26	8n50	1s24	2s37	2s32	13s 5	0s45	20n49	0s27	13s20	17s12	18s52	18s38	17s 3	7n47	0n40	

ASTRODIENST EPHEMERIS for the year 1584
geocentric

DECEMBER 1584 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 42	9♂ 3'40	25♂35	21°D57	23♂25	25♂57	26°R 8	29°R15	27♂30	24°R30	6°R 5	24°R13	23♂13	23♂35	18°R13	S 1
S 2	4 43 38	10° 4'40	7♂54	21♂58	24°41	26°15	26°Y 4	29°D15	27°32	24♂29	6°Y 4	24♂13	23°10	23°42	18°Y12	S 2
M 3	4 47 35	11° 5'40	20° 5	22° 9	25°56	26°33	26° 1	29°H15	27°33	24°27	6° 4	24°11	23° 7	23°48	18°10	M 3
T 4	4 51 31	12° 6'41	2♂ 7	22°30	27°11	26°51	25°57	29°15	27°34	24°26	6° 4	24° 9	23° 4	23°55	18° 9	T 4
W 5	4 55 28	13° 7'43	14° 2	22°58	28°26	27° 8	25°54	29°15	27°36	24°25	6° 3	24° 6	23° 0	24° 2	18° 7	W 5
T 6	4 59 25	14° 8'46	25°54	23°34	29°41	27°25	25°51	29°16	27°37	24°24	6° 3	24° 3	22°57	24° 9	18° 6	T 6
F 7	5 3 21	15° 9'49	7♂44	24°16	0♂57	27°41	25°48	29°16	27°39	24°23	6° 3	23°59	22°54	24°15	18° 5	F 7
S 8	5 7 18	16°10'53	19°36	25° 5	2°12	27°56	25°45	29°17	27°40	24°21	6° 2	23°56	22°51	24°22	18° 3	S 8
S 9	5 11 14	17°11'57	1♂34	25°58	3°27	28°11	25°43	29°17	27°42	24°20	6° 2	23°54	22°48	24°29	18° 2	S 9
M10	5 15 11	18°13'01	13°41	26°56	4°42	28°26	25°40	29°18	27°44	24°19	6° 2	23°D53	22°45	24°35	18° 1	M10
T 11	5 19 7	19°14'06	26° 4	27°58	5°57	28°40	25°38	29°19	27°45	24°18	6° 2	23°53	22°41	24°42	18° 0	T 11
W12	5 23 4	20°15'12	8°Y45	29° 4	7°12	28°54	25°36	29°20	27°47	24°16	6° 1	23°54	22°38	24°49	17°59	W12
T 13	5 27 0	21°16'17	21°49	0♂12	8°27	29° 7	25°35	29°21	27°49	24°15	6° 1	23°56	22°35	24°55	17°58	T 13
F 14	5 30 57	22°17'23	5♂20	1°24	9°43	29°19	25°33	29°22	27°51	24°14	6° 1	23°57	22°32	25° 2	17°57	F 14
S 15	5 34 54	23°18'30	19°19	2°37	10°58	29°31	25°32	29°24	27°53	24°12	6° 1	23°R58	22°29	25° 9	17°56	S 15
S 16	5 38 50	24°19'36	3♂44	3°53	12°13	29°42	25°31	29°25	27°55	24°11	6° 1	23°58	22°25	25°16	17°56	S 16
M17	5 42 47	25°20'43	18°31	5°10	13°28	29°53	25°30	29°27	27°57	24° 9	6° 1	23°56	22°22	25°22	17°55	M17
T 18	5 46 43	26°21'51	3♂34	6°29	14°43	0♂ 3	25°29	29°28	27°59	24° 8	6° 1	23°53	22°19	25°29	17°54	T 18
W19	5 50 40	27°22'58	18°44	7°50	15°58	0°13	25°29	29°30	28° 1	24° 6	6° 1	23°48	22°16	25°36	17°54	W19
T 20	5 54 36	28°24'07	3♂50	9°11	17°13	0°22	25°29	29°32	28° 3	24° 5	6°D 1	23°43	22°13	25°42	17°53	T 20
F 21	5 58 33	29°25'15	18°43	10°34	18°28	0°30	25°D29	29°34	28° 5	24° 4	6° 1	23°38	22°10	25°49	17°53	F 21
S 22	6 2 29	0♂26'24	3♂16	11°58	19°43	0°37	25°29	29°36	28° 7	24° 2	6° 1	23°34	22° 6	25°56	17°52	S 22
S 23	6 6 26	1°27'34	17°25	13°22	20°58	0°44	25°29	29°38	28° 9	24° 0	6° 1	23°31	22° 3	26° 3	17°52	S 23
M24	6 10 23	2°28'43	1♂ 9	14°48	22°13	0°51	25°30	29°41	28°11	23°59	6° 1	23°D30	22° 0	26° 9	17°52	M24
T 25	6 14 19	3°29'54	14°28	16°14	23°28	0°56	25°31	29°43	28°14	23°57	6° 1	23°31	21°57	26°16	17°51	T 25
W26	6 18 16	4°31'05	27°27	17°41	24°43	1° 1	25°32	29°46	28°16	23°56	6° 1	23°32	21°54	26°23	17°51	W26
T 27	6 22 12	5°32'16	10♂ 7	19° 8	25°58	1° 6	25°33	29°48	28°18	23°54	6° 1	23°34	21°51	26°29	17°51	T 27
F 28	6 26 9	6°33'27	22°32	20°36	27°13	1° 9	25°35	29°51	28°21	23°53	6° 1	23°R34	21°47	26°36	17°51	F 28
S 29	6 30 5	7°34'39	4♂46	22° 5	28°28	1°12	25°36	29°54	28°23	23°51	6° 2	23°34	21°44	26°43	17°D51	S 29
S 30	6 34 2	8°35'50	16°52	23°34	29°43	1°14	25°38	29°57	28°26	23°49	6° 2	23°31	21°41	26°50	17°51	S 30
M31	6 37 58	9♂37'02	28♂51	25♂ 4	0♂58	1♂15	25°Y40	29°H59	28♂28	23♂48	6°Y 2	23♂26	21♂38	26♂56	17°Y51	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s51	19s 5	0n 8	15s41	2n42	24s 5	0s45	15n13	2n28	8n49	1s23	2s37	2s31	13s 4	0s45	20n50
S 2	22 1	20 27	1 15	15 40	2 43	24 11	0 48	15 9	2 30	8 48	1 23	2 37	2 31	13 4	0 45	20 50
M 3	22 9	20 49	2 18	15 43	2 44	24 15	0 50	15 4	2 32	8 47	1 23	2 36	2 31	13 3	0 45	20 50
T 4	22 18	20 14	3 14	15 49	2 42	24 20	0 52	15 0	2 34	8 46	1 22	2 36	2 31	13 3	0 45	20 50
W 5	22 25	18 45	4 1	15 58	2 40	24 23	0 54	14 56	2 36	8 45	1 22	2 36	2 30	13 2	0 45	20 50
T 6	22 33	16 28	4 38	16 11	2 37	24 26	0 56	14 52	2 38	8 44	1 22	2 35	2 30	13 2	0 45	20 51
F 7	22 40	13 30	5 2	16 25	2 32	24 27	0 58	14 48	2 40	8 43	1 22	2 35	2 30	13 1	0 45	20 51
S 8	22 46	10 0	5 14	16 42	2 27	24 29	1 0	14 44	2 42	8 43	1 21	2 34	2 30	13 0	0 45	20 51
S 9	22 52	6 5	5 12	17 0	2 22	24 29	1 2	14 41	2 44	8 42	1 21	2 34	2 29	13 0	0 45	20 51
M10	22 58	1 52	4 56	17 19	2 16	24 29	1 4	14 38	2 46	8 42	1 21	2 33	2 29	12 59	0 45	20 51
T 11	23 3	2n30	4 26	17 39	2 9	24 27	1 6	14 35	2 48	8 41	1 20	2 33	2 29	12 59	0 45	20 52
W12	23 8	6 54	3 43	18 0	2 2	24 25	1 8	14 32	2 50	8 41	1 20	2 32	2 29	12 58	0 45	20 52
T 13	23 12	11 6	2 47	18 22	1 55	24 23	1 10	14 29	2 52	8 40	1 20	2 32	2 28	12 57	0 45	20 52
F 14	23 16	14 54	1 41	18 44	1 47	24 19	1 11	14 27	2 54	8 40	1 19	2 31	2 28	12 57	0 44	20 52
S 15	23 19	18 0	0 26	19 6	1 40	24 15	1 13	14 24	2 56	8 40	1 19	2 30	2 28	12 56	0 44	20 53
S 16	23 22	20 4	0s53	19 28	1 32	24 10	1 15	14 22	2 58	8 40	1 19	2 29	2 28	12 55	0 44	20 53
M17	23 25	20 50	2 10	19 50	1 24	24 5	1 16	14 21	3 0	8 40	1 18	2 28	2 27	12 55	0 44	20 53
T 18	23 26	20 7	3 20	20 11	1 16	23 58	1 18	14 19	3 2	8 40	1 18	2 27	2 27	12 54	0 44	20 53
W19	23 28	17 58	4 15	20 32	1 8	23 51	1 20	14 17	3 4	8 40	1 18	2 27	2 27	12 53	0 44	20 54
T 20	23 29	14 35	4 53	20 53	1 0	23 43	1 21	14 16	3 6	8 40	1 17	2 26	2 27	12 52	0 44	20 54
F 21	23 29	10 20	5 10	21 13	0 52	23 35	1 22	14 15	3 8	8 41	1 17	2 25	2 26	12 52	0 44	20 54
S 22	23 29	5 33	5 7	21 32	0 44	23 25	1 24	14 15	3 11	8 41	1 17	2 24	2 26	12 51	0 44	20 54
S 23	23 29	0 37	4 45	21 51	0 37	23 15	1 25	14 14	3 13	8 41	1 17	2 22	2 26	12 50	0 44	20 55
M24	23 28	4s14	4 7	22 9	0 29	23 4	1 26	14 14	3 15	8 42	1 16	2 21	2 26	12 49	0 44	20 55
T 25	23 27	8 44	3 16	22 26	0 21	22 53	1 28	14 14	3 17	8 42	1 16	2 20	2 25	12 48	0 44	20 55
W26	23 25	12 43	2 17	22 42	0 13	22 41	1 29	14 14	3 19	8 43	1 16	2 19	2 25	12 47	0 44	20 56
T 27	23 23	16 2	1 12	22 57	0 6	22 28	1 30	14 15	3 22	8 44	1 15	2 18	2 25	12 47	0 44	20 56
F 28	23 20	18 32	0 6	23 11	0s 2	22 15	1 31	14 16	3 24	8 45	1 15	2 16	2 25	12 46	0 44	20 56
S 29	23 16	20 9	1n 0	23 24	0 9	22 0	1 32	14 17	3 26	8 46	1 15	2 15	2 24	12 45	0 44	20 56
S 30	23 13	20 48	2 3	23 36	0 16	21 46	1 33	14 18	3 28	8 47	1 14	2 14	2 24	12 44	0 44	20 57
M31	23s 9	20s30	2n59	23s47	0s23	21s30	1s33	14n20	3n31	8n48	1s14	2s12	2s24	12s43	0s44	20n57

Julian Day Number = 2299938.5, Delta T = 111.58 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°56'51, Lahiri = 18°03'51Greg. Calendar