



Astrodienst Ephemeris Tables for the year 1498

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 1498

geocentric

JANUARY 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	7 17 40	19°56'16	21°42	26°57	12°44	1°37	1°31	16°58	16°29	10°38	19°43	23°R39	23°46	28° 0	29°R42	M 1
T 2	7 21 37	20°57'23	3°45	28°11	13°57	2°19	1°24	17° 1	16°33	10°41	19°44	23°39	23°43	28° 7	29°R40	T 2
W 3	7 25 33	21°58'28	16° 2	29°26	15°10	3° 0	1°38	17° 3	16°36	10°43	19°46	23°39	23°40	28°13	29°39	W 3
T 4	7 29 30	22°59'32	28°36	0°43	16°24	3°41	1°51	17° 6	16°39	10°45	19°47	23°38	23°37	28°20	29°37	T 4
F 5	7 33 26	24° 0'36	11°30	2° 1	17°37	4°22	2° 5	17° 9	16°42	10°47	19°48	23°D38	23°33	28°27	29°35	F 5
S 6	7 37 23	25° 1'39	24°46	3°21	18°50	5° 3	2°18	17°12	16°46	10°49	19°50	23°39	23°30	28°34	29°34	S 6
S 7	7 41 19	26° 2'41	8°26	4°42	20° 3	5°44	2°31	17°15	16°49	10°52	19°51	23°39	23°27	28°40	29°32	S 7
M 8	7 45 16	27° 3'41	22°26	6° 4	21°16	6°25	2°44	17°18	16°52	10°54	19°52	23°R39	23°24	28°47	29°31	M 8
T 9	7 49 13	28° 4'41	6°45	7°26	22°30	7° 6	2°58	17°21	16°55	10°56	19°53	23°39	23°21	28°54	29°29	T 9
W10	7 53 9	29° 5'41	21°16	8°50	23°43	7°47	3°11	17°24	16°59	10°58	19°54	23°38	23°17	29° 0	29°28	W10
T11	7 57 6	0° 6'39	5°53	10°15	24°56	8°28	3°24	17°28	17° 2	11° 0	19°56	23°38	23°14	29° 7	29°27	T11
F12	8 1 2	1° 7'36	20°31	11°41	26°10	9° 9	3°37	17°31	17° 6	11° 3	19°57	23°37	23°11	29°14	29°26	F12
S13	8 4 59	2° 8'33	5° 3	13° 8	27°23	9°50	3°50	17°35	17° 9	11° 5	19°58	23°36	23° 8	29°21	29°25	S13
S14	8 8 55	3° 9'29	19°24	14°35	28°36	10°31	4° 3	17°38	17°12	11° 7	19°59	23°35	23° 5	29°27	29°24	S14
M15	8 12 52	4°10'24	3°32	16° 4	29°50	11°12	4°16	17°42	17°16	11° 9	20° 0	23°D35	23° 2	29°34	29°23	M15
T16	8 16 48	5°11'19	17°25	17°33	1° 3	11°53	4°29	17°46	17°19	11°11	20° 1	23°35	22°58	29°41	29°22	T16
W17	8 20 45	6°12'13	1° 3	19° 3	2°17	12°34	4°42	17°50	17°23	11°13	20° 2	23°36	22°55	29°47	29°21	W17
T18	8 24 42	7°13'06	14°25	20°33	3°31	13°15	4°54	17°54	17°26	11°15	20° 3	23°37	22°52	29°54	29°20	T18
F19	8 28 38	8°13'58	27°33	22° 5	4°44	13°56	5° 7	17°58	17°29	11°18	20° 4	23°38	22°49	0° 1	29°20	F19
S20	8 32 35	9°14'49	10°28	23°37	5°58	14°37	5°20	18° 2	17°33	11°20	20° 4	23°39	22°46	0° 8	29°19	S20
S21	8 36 31	10°15'39	23°10	25°10	7°11	15°18	5°32	18° 7	17°36	11°22	20° 5	23°R40	22°43	0°14	29°19	S21
M22	8 40 28	11°16'27	5°40	26°44	8°25	15°59	5°45	18°11	17°40	11°24	20° 6	23°39	22°39	0°21	29°18	M22
T23	8 44 24	12°17'15	18° 0	28°19	9°39	16°40	5°57	18°16	17°43	11°26	20° 7	23°38	22°36	0°28	29°18	T23
W24	8 48 21	13°18'01	0° 1	29°54	10°52	17°21	6°10	18°20	17°47	11°28	20° 7	23°36	22°33	0°34	29°18	W24
T25	8 52 17	14°18'45	12°12	1°30	12° 6	18° 2	6°22	18°25	17°50	11°30	20° 8	23°32	22°30	0°41	29°17	T25
F26	8 56 14	15°19'28	24° 8	3° 7	13°20	18°43	6°35	18°30	17°54	11°32	20° 9	23°28	22°27	0°48	29°17	F26
S27	9 0 11	16°20'10	6° 0	4°45	14°34	19°24	6°47	18°34	17°57	11°34	20° 9	23°25	22°23	0°55	29°D17	S27
S28	9 4 7	17°20'49	17°51	6°24	15°47	20° 5	6°59	18°39	18° 1	11°36	20°10	23°21	22°20	1° 1	29°17	S28
M29	9 8 4	18°21'28	29°45	8° 3	17° 1	20°46	7°11	18°44	18° 4	11°38	20°10	23°19	22°17	1° 8	29°17	M29
T30	9 12 0	19°22'04	11°46	9°44	18°15	21°27	7°23	18°49	18° 8	11°39	20°11	23°17	22°14	1°15	29°18	T30
W31	9 15 57	20°22'38	23°58	11°25	19°29	22° 7	7°35	18°55	18°11	11°41	20°11	23°D17	22°11	1°21	29°18	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22s 1	3n34	5s17	22s37	0n51	20s43	1n41	0n30	0s 9	23s21	0n 9	4n22	2s30	16s35	0s41	22s19
T 2	21 52	7 54	5 12	22 47	0 42	20 55	1 38	0 48	0 8	23 21	0 9	4 24	2 30	16 34	0 41	22 18
W 3	21 42	11 59	4 54	22 57	0 33	21 5	1 36	1 5	0 7	23 21	0 9	4 25	2 30	16 33	0 41	22 18
T 4	21 32	15 40	4 20	23 6	0 25	21 16	1 33	1 23	0 6	23 21	0 9	4 26	2 29	16 32	0 40	22 18
F 5	21 22	18 42	3 33	23 13	0 16	21 25	1 31	1 40	0 5	23 21	0 9	4 27	2 29	16 31	0 40	22 18
S 6	21 11	20 51	2 34	23 20	0 8	21 34	1 28	1 57	0 4	23 20	0 9	4 29	2 29	16 30	0 40	22 18
S 7	21 0	21 51	1 24	23 26	0s 0	21 43	1 25	2 15	0 3	23 20	0 8	4 30	2 29	16 29	0 40	22 18
M 8	20 48	21 31	0 7	23 30	0 8	21 51	1 22	2 32	0 2	23 20	0 8	4 32	2 28	16 28	0 40	22 17
T 9	20 36	19 48	1n12	23 34	0 16	21 58	1 20	2 49	0 1	23 20	0 8	4 33	2 28	16 27	0 40	22 17
W10	20 24	16 47	2 27	23 36	0 24	22 5	1 17	3 6	0n 1	23 20	0 8	4 35	2 28	16 26	0 40	22 17
T11	20 11	12 41	3 33	23 38	0 31	23 11	1 14	3 23	0 2	23 19	0 8	4 36	2 28	16 25	0 40	22 17
F12	19 58	7 50	4 26	23 38	0 38	22 16	1 11	3 41	0 3	23 19	0 8	4 38	2 27	16 24	0 40	22 17
S13	19 44	2 35	5 0	23 36	0 45	22 21	1 8	3 58	0 4	23 19	0 8	4 39	2 27	16 23	0 40	22 16
S14	19 30	2s44	5 16	23 34	0 52	22 25	1 5	4 15	0 5	23 19	0 8	4 41	2 27	16 22	0 40	22 16
M15	19 16	7 50	5 12	23 30	0 59	22 28	1 2	4 32	0 6	23 18	0 8	4 43	2 27	16 21	0 40	22 16
T16	19 1	12 26	4 50	23 25	1 5	22 31	0 59	4 49	0 7	23 18	0 8	4 44	2 26	16 20	0 40	22 16
W17	18 46	16 19	4 12	23 19	1 11	22 33	0 56	5 6	0 7	23 18	0 8	4 46	2 26	16 19	0 40	22 16
T18	18 31	19 16	3 21	23 11	1 16	22 34	0 53	5 23	0 8	23 17	0 8	4 48	2 26	16 18	0 40	22 16
F19	18 15	21 9	2 20	23 2	1 22	22 35	0 50	5 39	0 9	23 17	0 7	4 50	2 25	16 16	0 40	22 15
S20	17 59	21 53	1 12	22 52	1 27	22 35	0 47	5 56	0 10	23 16	0 7	4 51	2 25	16 15	0 40	22 15
S21	17 43	21 28	0 3	22 40	1 32	22 35	0 44	6 13	0 11	23 16	0 7	4 53	2 25	16 14	0 40	22 15
M22	17 26	19 58	1s 6	22 27	1 37	22 33	0 41	6 30	0 12	23 16	0 7	4 55	2 25	16 13	0 40	22 15
T23	17 10	17 33	2 10	22 12	1 41	22 31	0 38	6 46	0 13	23 15	0 7	4 57	2 25	16 12	0 40	22 15
W24	16 52	14 22	3 8	21 56	1 45	22 29	0 35	7 3	0 14	23 15	0 7	4 59	2 24	16 11	0 40	22 15
T25	16 35	10 38	3 56	21 39	1 49	22 26	0 32	7 19	0 15	23 14	0 7	5 1	2 24	16 10	0 40	22 14
F26	16 17	6 32	4 34	21 20	1 52	22 22	0 28	7 36	0 16	23 14	0 7	5 3	2 24	16 9	0 40	22 14
S27	15 59	2 12	5 0	20 59	1 55	22 17	0 25	7 52	0 17	23 13	0 7	5 5	2 24	16 8	0 40	22 14
S28	15 41	2n12	5 13	20 37	1 58	22 12	0 22	8 8	0 17	23 13	0 7	5 7	2 23	16 7	0 40	22 14
M29	15 22	6 32	5 12	20 14	2 0	22 6	0 19	8 24	0 18	23 12	0 7	5 9	2 23	16 6	0 40	22 14
T30	15 3	10 40	4 58	19 49	2 2	21 59	0 16	8 41	0 19	23 11	0 6	5 11	2 23	16 5	0 40	22 13
W31	14s44	14n27	4s30	19s23	2s 3	21s52	0n13	8n57	0n20	23s11	0n 6	5n14	2s23	16s 4	0s40	22s13

Julian Day Number = 2268202.5, Delta T = 295.94 sec

Ecliptic obliquity = 23°30'12, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'10, Lahiri = 16°51'11 Julian Calendar 1 Jan. 1498 == Greg. Calendar 10 Jan. 1498

ASTRODIENST EPHEMERIS for the year 1498

geocentric

FEBRUARY 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 19 53	21 ²³ 11	6 ¹¹ 27	13 ²² 7	20 ²⁸ 42	22 ¹⁹ 48	7 ³⁴ 7	19 ¹⁹ 0	18 ²² 14	11 ²³ 43	20 ¹¹ 12	23 ²⁸ 18	22 ²⁸ 8	1 ¹⁹ 28	29 ¹⁸ 18	T 1
F 2	9 23 50	22 ²³ 42	19 ¹⁷	14 ⁵⁰	21 ⁵⁶	23 ²⁹	7 ⁵⁹	19 ⁵	18 ¹⁸	11 ⁴⁵	20 ¹²	23 ¹⁹	22 ⁴	1 ³⁵	29 ¹⁹	F 2
S 3	9 27 46	23 ²⁴ 11	2 ³⁰	16 ³⁴	23 ¹⁰	24 ¹⁰	8 ¹⁰	19 ¹⁰	18 ²¹	11 ⁴⁷	20 ¹³	23 ²¹	22 ¹	1 ⁴²	29 ¹⁹	S 3
S 4	9 31 43	24 ²⁴ 39	16 ¹¹	18 ¹⁹	24 ²⁴	24 ⁵¹	8 ²²	19 ¹⁶	18 ²⁵	11 ⁴⁹	20 ¹³	23 ²²	21 ⁵⁸	1 ⁴⁸	29 ²⁰	S 4
M 5	9 35 40	25 ²⁵ 04	0 ¹¹	20 ⁵	25 ³⁸	25 ³¹	8 ³⁴	19 ²¹	18 ²⁸	11 ⁵⁰	20 ¹³	23 ²²	21 ⁵⁵	1 ⁵⁵	29 ²⁰	M 5
T 6	9 39 36	26 ²⁵ 28	14 ⁵¹	21 ⁵²	26 ⁵¹	26 ¹²	8 ⁴⁵	19 ²⁷	18 ³²	11 ⁵²	20 ¹³	23 ²¹	21 ⁵²	2 ²	29 ²¹	T 6
W 7	9 43 33	27 ²⁵ 50	29 ⁴³	23 ³⁹	28 ⁵	26 ⁵³	8 ⁵⁶	19 ³³	18 ³⁵	11 ⁵⁴	20 ¹⁴	23 ¹⁷	21 ⁴⁹	2 ⁸	29 ²²	W 7
T 8	9 47 29	28 ²⁶ 10	14 ¹¹ 46	25 ²⁸	29 ¹⁹	27 ³³	9 ⁸	19 ³⁸	18 ³⁹	11 ⁵⁶	20 ¹⁴	23 ¹³	21 ⁴⁵	2 ¹⁵	29 ²³	T 8
F 9	9 51 26	29 ²⁶ 28	29 ⁵¹	27 ¹⁸	0 ³³	28 ¹⁴	9 ¹⁹	19 ⁴⁴	18 ⁴²	11 ⁵⁷	20 ¹⁴	23 ⁷	21 ⁴²	2 ²²	29 ²⁴	F 9
S 10	9 55 22	0 ²⁶ 45	14 ²⁴ 49	29 ⁸	1 ⁴⁷	28 ⁵⁵	9 ³⁰	19 ⁵⁰	18 ⁴⁶	11 ⁵⁹	20 ¹⁴	23 ²	21 ³⁹	2 ²⁹	29 ²⁵	S 10
S 11	9 59 19	1 ²⁷ 00	29 ³¹	1 ¹⁸ 0	3 ¹	29 ³⁵	9 ⁴¹	19 ⁵⁶	18 ⁴⁹	12 ¹	20 ¹⁴	22 ⁵⁷	21 ³⁶	2 ³⁵	29 ²⁶	S 11
M 12	10 3 15	2 ²⁷ 14	13 ¹¹ 52	2 ⁵²	4 ¹⁵	0 ¹⁶	9 ⁵²	20 ²	18 ⁵²	12 ²	20 ¹⁴	22 ⁵⁴	21 ³³	2 ⁴²	29 ²⁷	M 12
T 13	10 7 12	3 ²⁷ 26	27 ⁵⁰	4 ⁴⁶	5 ²⁹	0 ⁵⁶	10 ³	20 ⁸	18 ⁵⁶	12 ⁴	20 ¹⁴	22 ⁵²	21 ²⁹	2 ⁴⁹	29 ²⁸	T 13
W 14	10 11 8	4 ²⁷ 37	11 ¹¹ 24	6 ⁴⁰	6 ⁴³	1 ³⁷	10 ¹⁴	20 ¹⁴	18 ⁵⁹	12 ⁶	20 ¹⁴	22 ⁵³	21 ²⁶	2 ⁵⁵	29 ²⁹	W 14
T 15	10 15 5	5 ²⁷ 46	24 ³⁶	8 ³⁵	7 ⁵⁶	2 ¹⁸	10 ²⁴	20 ²⁰	19 ³	12 ⁷	20 ¹⁴	22 ⁵⁴	21 ²³	3 ²	29 ³¹	T 15
F 16	10 19 2	6 ²⁷ 54	7 ³² 9	10 ³⁰	9 ¹⁰	2 ⁵⁸	10 ³⁵	20 ²⁶	19 ⁶	12 ⁹	20 ¹⁴	22 ⁵⁵	21 ²⁰	3 ⁹	29 ³²	F 16
S 17	10 22 58	7 ²⁸ 00	20 ⁶	12 ²⁶	10 ²⁴	3 ³⁹	10 ⁴⁵	20 ³³	19 ⁹	12 ¹⁰	20 ¹⁴	22 ⁵⁶	21 ¹⁷	3 ¹⁶	29 ³⁴	S 17
S 18	10 26 55	8 ²⁸ 05	2 ²² 30	14 ²³	11 ³⁸	4 ¹⁹	10 ⁵⁶	20 ³⁹	19 ¹³	12 ¹²	20 ¹⁴	22 ⁵⁶	21 ¹⁴	3 ²²	29 ³⁵	S 18
M 19	10 30 51	9 ²⁸ 07	14 ⁴⁵	16 ¹⁹	12 ⁵²	5 ⁰	11 ⁶	20 ⁴⁵	19 ¹⁶	12 ¹³	20 ¹³	22 ⁵³	21 ¹⁰	3 ²⁹	29 ³⁷	M 19
T 20	10 34 48	10 ²⁸ 08	26 ⁵¹	18 ¹⁶	14 ⁶	5 ⁴⁰	11 ¹⁶	20 ⁵²	19 ¹⁹	12 ¹⁴	20 ¹³	22 ⁴⁸	21 ⁷	3 ³⁶	29 ³⁹	T 20
W 21	10 38 44	11 ²⁸ 07	8 ¹¹ 52	20 ¹³	15 ²⁰	6 ²⁰	11 ²⁶	20 ⁵⁸	19 ²²	12 ¹⁶	20 ¹³	22 ⁴¹	21 ⁴	3 ⁴²	29 ⁴⁰	W 21
T 22	10 42 41	12 ²⁸ 04	20 ⁴⁸	22 ⁹	16 ³⁴	7 ¹	11 ³⁶	21 ⁵	19 ²⁶	12 ¹⁷	20 ¹³	22 ³²	21 ¹	3 ⁴⁹	29 ⁴²	T 22
F 23	10 46 37	13 ²⁷ 59	2 ¹⁹ 40	24 ⁴	17 ⁴⁸	7 ⁴¹	11 ⁴⁶	21 ¹²	19 ²⁹	12 ¹⁹	20 ¹²	22 ²²	20 ⁵⁸	3 ⁵⁶	29 ⁴⁴	F 23
S 24	10 50 34	14 ²⁷ 52	14 ³²	25 ⁵⁹	19 ²	8 ²²	11 ⁵⁶	21 ¹⁸	19 ³²	12 ²⁰	20 ¹²	22 ¹²	20 ⁵⁵	4 ³	29 ⁴⁶	S 24
S 25	10 54 31	15 ²⁷ 42	26 ²⁴	27 ⁵²	20 ¹⁶	9 ²	12 ⁵	21 ²⁵	19 ³⁵	12 ²¹	20 ¹¹	22 ²	20 ⁵¹	4 ⁹	29 ⁴⁸	S 25
M 26	10 58 27	16 ²⁷ 31	8 ¹⁹	29 ⁴³	21 ³⁰	9 ⁴²	12 ¹⁵	21 ³²	19 ³⁹	12 ²²	20 ¹¹	21 ⁵⁴	20 ⁴⁸	4 ¹⁶	29 ⁵¹	M 26
T 27	11 2 24	17 ²⁷ 17	20 ¹⁹	1 ¹⁹ 32	22 ⁴⁴	10 ²³	12 ²⁴	21 ³⁸	19 ⁴²	12 ²⁴	20 ¹⁰	21 ⁴⁸	20 ⁴⁵	4 ²³	29 ⁵³	T 27
W 28	11 6 20	18 ²⁷ 01	2 ¹¹ 30	3 ¹⁸	23 ²² 58	11 ¹⁸ 3	12 ²³ 33	21 ¹⁹ 45	19 ²² 45	12 ²⁵	20 ¹¹ 10	21 ²⁴ 44	20 ²⁴ 42	4 ¹⁹ 29	29 ⁵⁵	W 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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Julian Day Number = 2268233.5, Delta T = 295.76 sec

Ecliptic obliquity = 23°30'13", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'14", Lahiri = 16°51'15" Julian Calendar 1 Feb. 1498 == Greg. Calendar 10 Feb. 1498

ASTRODIENST EPHEMERIS for the year 1498

geocentric

MARCH 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	11 10 17	19°16'43	14°11'54	5°11	25°12	11°18'43	12°34'2	21°15'52	19°18'48	12°32'26	20°R 9	21°D43	20°39	4°13'36	29°18'57	T 1
F 2	11 14 13	20°26'23	27°38	6°41	26°26	12°23	12°52	21°59	19°51	12°27	20°M 9	21°343	20°35	4°43	29°59	F 2
S 3	11 18 10	21°26'00	10°544	8°16	27°40	13° 3	13° 0	22° 6	19°54	12°28	20° 8	21°43	20°32	4°50	0°11 2	S 3
S 4	11 22 6	22°25'35	24°17	9°47	28°54	13°44	13° 9	22°13	19°57	12°29	20° 7	21°R44	20°29	4°56	0° 5	S 4
M 5	11 26 3	23°25'08	8°11'13	11°13	0°11'7	14°24	13°18	22°20	20° 0	12°30	20° 7	21°43	20°26	5° 3	0° 7	M 5
T 6	11 30 0	24°24'38	22°49	12°33	1°21	15° 4	13°26	22°27	20° 3	12°31	20° 6	21°39	20°23	5°10	0°10	T 6
W 7	11 33 56	25°24'07	7°11'44	13°48	2°35	15°44	13°35	22°34	20° 6	12°32	20° 5	21°33	20°20	5°16	0°13	W 7
T 8	11 37 53	26°23'32	22°57	14°56	3°49	16°24	13°43	22°42	20° 9	12°33	20° 5	21°25	20°16	5°23	0°15	T 8
F 9	11 41 49	27°22'56	8°11'18	15°58	5° 3	17° 4	13°51	22°49	20°12	12°34	20° 4	21°15	20°13	5°30	0°18	F 9
S 10	11 45 46	28°22'18	23°34	16°53	6°17	17°44	13°59	22°56	20°15	12°35	20° 3	21° 5	20°10	5°37	0°21	S 10
S 11	11 49 42	29°21'38	8°11'35	17°41	7°31	18°24	14° 7	23° 3	20°18	12°36	20° 2	20°56	20° 7	5°43	0°24	S 11
M12	11 53 39	0°11'20'56	23°12	18°22	8°45	19° 4	14°15	23°10	20°21	12°37	20° 1	20°49	20° 4	5°50	0°27	M12
T 13	11 57 35	1°20'12	7°11'22	18°56	9°59	19°44	14°22	23°18	20°24	12°37	20° 0	20°45	20° 0	5°57	0°30	T 13
W14	12 1 32	2°19'26	21° 3	19°22	11°13	20°24	14°30	23°25	20°27	12°38	19°59	20°43	19°57	6° 3	0°33	W14
T 15	12 5 29	3°18'39	4°11'17	19°41	12°27	21° 4	14°37	23°33	20°29	12°39	19°58	20°D42	19°54	6°10	0°37	T 15
F 16	12 9 25	4°17'50	17° 7	19°52	13°41	21°44	14°44	23°40	20°32	12°40	19°57	20°R42	19°51	6°17	0°40	F 16
S 17	12 13 22	5°16'59	29°37	19°R57	14°55	22°24	14°51	23°47	20°35	12°40	19°56	20°42	19°48	6°24	0°43	S 17
S 18	12 17 18	6°16'07	11°11'52	19°54	16° 9	23° 3	14°58	23°55	20°38	12°41	19°55	20°40	19°45	6°30	0°46	S 18
M19	12 21 15	7°15'12	23°57	19°44	17°22	23°43	15° 5	24° 2	20°40	12°42	19°54	20°36	19°41	6°37	0°50	M19
T 20	12 25 11	8°14'16	5°11'55	19°28	18°36	24°23	15°11	24°10	20°43	12°42	19°53	20°29	19°38	6°44	0°53	T 20
W21	12 29 8	9°13'17	17°48	19° 6	19°50	25° 3	15°18	24°17	20°45	12°43	19°52	20°19	19°35	6°51	0°57	W21
T 22	12 33 4	10°12'17	29°40	18°39	21° 4	25°43	15°24	24°25	20°48	12°43	19°51	20° 6	19°32	6°57	1° 0	T 22
F 23	12 37 1	11°11'14	11°11'32	18° 7	22°18	26°22	15°30	24°32	20°51	12°44	19°50	19°52	19°29	7° 4	1° 4	F 23
S 24	12 40 57	12°10'10	23°25	17°31	23°32	27° 2	15°36	24°40	20°53	12°44	19°48	19°38	19°26	7°11	1° 8	S 24
S 25	12 44 54	13° 9'03	5°11'20	16°51	24°46	27°42	15°42	24°48	20°55	12°44	19°47	19°24	19°22	7°17	1°11	S 25
M26	12 48 51	14° 7'55	17°20	16° 8	26° 0	28°21	15°47	24°55	20°58	12°45	19°46	19°12	19°19	7°24	1°15	M26
T 27	12 52 47	15° 6'44	29°25	15°24	27°14	29° 1	15°53	25° 3	21° 0	12°45	19°45	19° 3	19°16	7°31	1°19	T 27
W28	12 56 44	16° 5'31	11°11'40	14°40	28°27	29°40	15°58	25°10	21° 3	12°45	19°43	18°57	19°13	7°38	1°23	W28
T 29	13 0 40	17° 4'16	24° 6	13°55	29°41	0°11'20	16° 3	25°18	21° 5	12°46	19°42	18°53	19°10	7°44	1°27	T 29
F 30	13 4 37	18° 2'58	6°11'48	13°11	0°11'55	1° 0	16° 8	25°26	21° 7	12°46	19°41	18°52	19° 6	7°51	1°30	F 30
S 31	13 8 33	19°11'39	19°11'49	12°11'28	2°11'9	1°11'39	16°11'3	25°11'33	21°11'8	12°46	19°40	18°52	19° 3	7°58	1°34	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
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T 1	4s11	19n36	3s 4	2n42	0n46	14s 7	1s 2	16n 1	0n40	22s50	0n 4	6n25	2s17	15s34	0s41	22s 9	0n46	3s52	14n28	21n45	21n55	2s42	16n 7	4s10	16n 8
F 2	3 48	21 24	2 5	3 33	0 59	13 44	1 3	16 14	0 40	22 49	0 4	6 28	2 17	15 33	0 41	22 9	0 46	3 52	14 28	21 45	21 55	2 40	16 8	4 10	16 8
S 3	3 24	22 6	0 58	4 23	1 11	13 20	1 5	16 27	0 41	22 49	0 3	6 30	2 17	15 32	0 41	22 9	0 46	3 51	14 28	21 45	21 56	2 37	16 8	4 10	16 8
S 4	3 1	21 32	0n14	5 11	1 24	12 56	1 7	16 40	0 41	22 48	0 3	6 33	2 17	15 31	0 41	22 9	0 46	3 51	14 29	21 45	21 56	2 35	16 9	4 10	16 9
M 5	2 37	19 38	1 27	5 56	1 37	12 32	1 9	16 52	0 42	22 47	0 3	6 36	2 17	15 30	0 41	22 9	0 46	3 50	14 29	21 45	21 57	2 32	16 10	4 10	16 10
T 6	2 14	16 26	2 38	6 39	1 49	12 7	1 10	17 4	0 42	22 46	0 3	6 39	2 17	15 29	0 41	22 8	0 47	3 50	14 29	21 45	21 57	2 30	16 10	4 9	16 10
W 7	1 50	12 5	3 39	7 19	2 1	11 42	1 12	17 17	0 43	22 46	0 3	6 41	2 17	15 28	0 41	22 8	0 47	3 49	14 30	21 46	21 58	2 28	16 11	4 9	16 11
T 8	1 26	6 53	4 27	7 56	2 13	11 17	1 14	17 29	0 43	22 45	0 3	6 44	2 17	15 27	0 41	22 8	0 47	3 49	14 30	21 48	21 58	2 25	16 12	4 9	16 12
F 9	1 3	1 13	4 55	8 31	2 24	10 51	1 15	17 41	0 44	22 44	0 3	6 47	2 17	15 26	0 41	22 8	0 47	3 48	14 30	21 49	21 59	2 23	16 13	4 9	16 13
S 10	0 39	4s29	5 2	9 1	2 34	10 25	1 16	17 53	0 45	22 43	0 3	6 50	2 16	15 25	0 41	22 8	0 47	3 48	14 31	21 51	21 59	2 20	16 13	4 9	16 13
S 11	0 15	9 50	4 49	9 29	2 44	9 59	1 18	18 4	0 45	22 43	0 3	6 52	2 16	15 24	0 41	22 8	0 47	3 47	14 31	21 52	22 0	2 18	16 14	4 9	16 14
M12	0n 8	14 29	4 16	9 52	2 52	9 32	1 19	18 16	0 46	22 42	0 3	6 55	2 16	15 23	0 41	22 8	0 47	3 47	14 31	21 53	22 0	2 15	16 15	4 9	16 15
T 13	0 32	18 10	3 29	10 12	3 0	9 5	1 20	18 27	0 46	22 41	0 2	6 58	2 16	15 23	0 41	22 8	0 47	3 46	14 32	21 54	22 0	2 13	16 16	4 8	16 16
W14	0 56	20 42	2 31	10 28	3 7	8 38	1 21	18 39	0 46	22 41	0 2	7 1	2 16	15 22	0 41	22 8	0 47	3 45	14 32	21 54	22 1	2 10	16 17	4 8	16 17
T 15	1 19	22 0	1 26	10 41	3 12	8 11	1 23	18 50	0 47	22 40	0 2	7 4	2 16	15 21	0 41	22 8	0 47	3 45	14 32	21 54	22 1	2 8	16 17	4 8	16 17
F 16	1 43	22 5	0 19	10 49	3 16	7 43	1 24	19 1	0 47	22 39	0 2	7 6	2 16	15 20	0 41	22 8	0 47	3 44	14 33	21 54	22 2	2 5	16 18	4 8	16 18
S 17	2 6	21 3	0s47	10 53	3 19	7 15	1 25	19 11	0 48	22 38	0 2	7 9	2 16	15 19	0 41	22 7	0 47	3 44	14 33	21 54	22 2	2 3	16 19	4 8	16 19
S 18	2 30	19 2	1 50	10 53	3 20	6 48	1 25	19 22	0 48	22 38	0 2	7 12	2 16	15 18	0 41	22 7	0 47	3 43	14 33	21 55	22 3	2 1	16 20	4 7	16 20
M19	2 53	16 11	2 46	10 49	3 20	6 19	1 26	19 32	0 49	22 37	0 2	7 15	2 16	15 17	0 41	22 7	0 47	3 43	14 34	21 55	22 3	1 58	16 21	4 7	16 21
T 20	3 17	12 41	3 35	10 41	3 18	5 51	1 27	19 43	0 49	22 37	0 2	7 18	2 15	15 17	0 41	22 7	0 47	3 42	14 34	21 56	22 4	1 56	16 22	4 7	16 22
W21	3 40	8 43	4 14	10 30	3 14	5 23	1 28	19 53	0 50	22 36	0 2	7 21	2 15	15 16	0 41	22 7	0 47	3 42	14 34	21 58	22 4	1 53	16 22	4 7	16 22
T 22	4 3	4 26	4 41	10 14	3 9	4 54	1 28	20 3	0 50	22 35	0 1	7 23	2 15	15 15	0 41	22 7	0 47	3 41	14 34	22 0	22 5	1 51	16 23	4 7	16 23
F 23	4 26	0n 1	4 56	9 56	3 2	4 25	1 29	20 13	0 51	22 35	0 1	7 26	2 15	15 14	0 41	22 7	0 47	3 41	14 35	22 2	22 5	1 48	16 24	4 7	16 24
S 24	4 49	4 29	4 59	9 34	2 54	3 56	1 29	20 22	0 51	22 34	0 1	7 29	2 15	15 14	0 41	22 7	0 47	3 40	14 35	22 4	22 6	1 46	16 25	4 7	16 25
S 25	5 12	8 48	4 48	9 10	2 44	3 27	1 30	20 32	0 51	22 34	0 1	7 32	2 15	15 13	0 41	22 7	0 47	3 40	14 35	22 6	22 6	1 43	16 26	4 7	16 26
M26	5 35	12 49	4 25	8 43	2 33	2 58	1 30	20 41	0 52	22 33	0 1	7 35	2 15	15 12	0 41	22 7	0 47	3 39	14 35	22 7	22 6	1 41	16 27	4 6	16 27
T 27	5 58	16 21	3 49	8 15	2 21	2 29	1 30	20 50	0 52	22 33	0 1	7 38	2 15	15 11	0 41	22 7	0 47	3 38	14 36	22 9	22 7	1 38	16 28	4 6	16 28
W28	6 21	19 13	3 3	7 45	2 7	2 0	1 31	20 59	0 53	22 32	0 1	7 40	2 15	15 11	0 41	22 7	0 47	3 38	14 36	22 10	22 7	1 36	16 28	4 6	16 28
T 29	6 43	21 16	2 7	7 14	1 53	1 31	1 31	21 8	0 53	22 32	0 1	7 43	2 15	15 10	0 41	22 7	0 47	3 37	14 36	22 10	22 8	1 33	16 29	4 6	16 29
F 30	7 6	22 16	1 3	6 43	1 37	1 1	1 31	21 17	0 53	22 31	0 1	7 46	2 15	15 9	0 42	22 7	0 47	3 37	14 36	22 10	22 8	1 31	16 30	4 6	16 30
S 31	7n28	22n 7	0n 5	6n11	1n21	0s32	1s31	21n25	0n54	22s31	0n 0	7n49	2s15	15s 8	0s42	22s 7	0n47	3s36	14n36	22n10	22n 9	1s28	16n31	4s 0	16n 31

Julian Day Number = 2268261.5, Delta T = 295.59 sec

Ecliptic obliquity = 23°30'13, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'18, Lahiri = 16°51'19 Julian Calendar 1 March 1498 == Greg. Calendar 10 March 1498

ASTRODIENST EPHEMERIS for the year 1498

geocentric

APRIL 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 12 30	20°07'17	3♂14	11°R48	3°Y23	2♂19	16♂18	25°Y41	21♂12	12♂46	19°R38	18°R52	19♂0	8°Y 4	1♂38	S 1
M 2	13 16 26	20°58'53	17° 6	11°Y11	4°37	2°58	16°22	25°49	21°14	12°46	19°M37	18♂50	18°57	8°11	1°43	M 2
T 3	13 20 23	21°57'26	1♂25	10°37	5°50	3°38	16°26	25°56	21°16	12°47	19°35	18°46	18°54	8°18	1°47	T 3
W 4	13 24 20	22°55'57	16° 9	10° 7	7° 4	4°17	16°30	26° 4	21°18	12°47	19°34	18°40	18°51	8°25	1°51	W 4
T 5	13 28 16	23°54'26	1♂14	9°42	8°18	4°56	16°34	26°12	21°20	12°47	19°32	18°31	18°47	8°31	1°55	T 5
F 6	13 32 13	24°52'53	16°31	9°21	9°32	5°36	16°38	26°20	21°22	12°R47	19°31	18°21	18°44	8°38	1°59	F 6
S 7	13 36 9	25°51'18	1♂48	9° 5	10°46	6°15	16°42	26°27	21°24	12°47	19°29	18°10	18°41	8°45	2° 3	S 7
S 8	13 40 6	26°49'42	16°55	8°54	11°59	6°54	16°45	26°35	21°26	12°47	19°28	17°59	18°38	8°51	2° 8	S 8
M 9	13 44 2	27°48'03	1♂41	8°47	13°13	7°34	16°48	26°43	21°28	12°46	19°26	17°51	18°35	8°58	2°12	M 9
T 10	13 47 59	28°46'23	16° 1	8°D46	14°27	8°13	16°51	26°50	21°29	12°46	19°25	17°46	18°31	9° 5	2°16	T 10
W11	13 51 55	29°44'42	29°50	8°50	15°41	8°52	16°54	26°58	21°31	12°46	19°23	17°43	18°28	9°12	2°21	W11
T 12	13 55 52	0♂42'59	13♂11	8°59	16°55	9°32	16°57	27° 6	21°33	12°46	19°22	17°D42	18°25	9°18	2°25	T 12
F 13	13 59 49	1°41'14	26° 5	9°12	18° 8	10°11	17° 0	27°13	21°35	12°46	19°20	17°R42	18°22	9°25	2°30	F 13
S 14	14 3 45	2°39'28	8♂37	9°30	19°22	10°50	17° 2	27°21	21°36	12°45	19°19	17°42	18°19	9°32	2°34	S 14
S 15	14 7 42	3°37'40	20°51	9°53	20°36	11°29	17° 4	27°29	21°38	12°45	19°17	17°40	18°16	9°39	2°39	S 15
M16	14 11 38	4°35'50	2♂54	10°19	21°50	12° 8	17° 6	27°36	21°39	12°45	19°16	17°37	18°12	9°45	2°43	M16
T 17	14 15 35	5°33'59	14°49	10°51	23° 3	12°47	17° 8	27°44	21°41	12°45	19°14	17°31	18° 9	9°52	2°48	T 17
W18	14 19 31	6°32'07	26°40	11°26	24°17	13°27	17° 9	27°52	21°42	12°44	19°12	17°23	18° 6	9°59	2°52	W18
T 19	14 23 28	7°30'13	8°Y30	12° 5	25°31	14° 6	17°11	27°59	21°44	12°44	19°11	17°12	18° 3	10° 5	2°57	T 19
F 20	14 27 24	8°28'18	20°23	12°48	26°45	14°45	17°12	28° 7	21°45	12°43	19° 9	17° 0	18° 0	10°12	3° 2	F 20
S 21	14 31 21	9°26'20	2♂20	13°34	27°58	15°24	17°13	28°15	21°47	12°43	19° 7	16°47	17°57	10°19	3° 6	S 21
S 22	14 35 18	10°24'22	14°22	14°24	29°12	16° 3	17°14	28°22	21°48	12°42	19° 6	16°35	17°53	10°26	3°11	S 22
M23	14 39 14	11°22'21	26°30	15°17	0♂26	16°42	17°14	28°30	21°49	12°42	19° 4	16°24	17°50	10°32	3°16	M23
T 24	14 43 11	12°20'20	8♂46	16°13	1°40	17°21	17°15	28°37	21°50	12°41	19° 2	16°16	17°47	10°39	3°20	T 24
W25	14 47 7	13°18'16	21°12	17°13	2°53	18° 0	17°15	28°45	21°51	12°41	19° 1	16°11	17°44	10°46	3°25	W25
T 26	14 51 4	14°16'11	3♂48	18°15	4° 7	18°39	17°R15	28°52	21°53	12°40	18°59	16° 8	17°41	10°52	3°30	T 26
F 27	14 55 0	15°14'04	16°38	19°20	5°21	19°18	17°15	29° 0	21°54	12°39	18°58	16°D 7	17°37	10°59	3°35	F 27
S 28	14 58 57	16°11'55	29°43	20°28	6°34	19°57	17°15	29° 7	21°55	12°39	18°56	16° 8	17°34	11° 6	3°40	S 28
S 29	15 2 53	17° 9'44	13♂ 8	21°39	7°48	20°36	17°14	29°15	21°56	12°38	18°54	16°R 8	17°31	11°13	3°44	S 29
M30	15 6 50	18♂ 7'32	26♂53	22°Y53	9♂ 2	21♂15	17♂14	29°Y22	21♂56	12♂37	18♂53	16♂ 8	17♂28	11°Y19	3♂49	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
S 1	7n50	20n42	1n15	5n40	1n 5	0s 2	1s31	21n34	0n54	22s30	0n 0	7n52	2s15	15s 8	0s42	S 1
M 2	8 13 18	2 23	5 10	0 48	0n27	1 31	21 42	0 54	22 30	0 0	7 54	2 15	15 7	0 42	22 7	M 2
T 3	8 35 14	11 3	3 24	4 42	0 32	0 57	1 30	21 50	0 55	22 29	0 0	7 57	2 15	15 6	0 42	T 3
W 4	8 56 9	22 4	14 4	4 15	0 15	1 26	1 30	21 58	0 55	22 29	0s 0	8 0	2 15	15 6	0 42	W 4
T 5	9 18 3	54 4	4 47	3 50	0s 1	1 56	1 30	22 5	0 56	22 29	0 0	8 3	2 15	15 5	0 42	T 5
F 6	9 40 1s53	5 0	3 27	3 50	0 18	2 25	1 29	22 13	0 56	22 28	0 0	8 6	2 15	15 5	0 42	F 6
S 7	10 1 7	7 34	4 52	3 6	0 33	2 54	1 29	22 20	0 56	22 28	0 0	8 8	2 15	15 4	0 42	S 7
S 8	10 22 12	43 4	2 43	2 48	0 48	3 24	1 28	22 27	0 57	22 28	0 1	8 11	2 15	15 3	0 42	S 8
M 9	10 43 17	0 3	3 38	2 32	1 3	3 53	1 28	22 34	0 57	22 27	0 1	8 14	2 15	15 3	0 42	M 9
T 10	11 4 20	8 2	3 39	2 19	1 16	4 22	1 27	22 41	0 57	22 27	0 1	8 17	2 15	15 2	0 42	T 10
W11	11 25 21	57 1	3 3	2 9	1 29	4 52	1 26	22 47	0 57	22 27	0 1	8 20	2 15	15 2	0 42	W11
T 12	11 45 22	27 0	24 2	1 42	5 21	1 26	22 53	0 58	22 27	0 1	8 22	2 15	15 1	0 42	22 6	T 12
F 13	12 6 21	43 0s44	1 55	1 53	5 50	1 25	23 0	0 58	22 26	0 1	8 25	2 15	15 1	0 42	22 6	F 13
S 14	12 26 19	54 1	48 1	53 2	4 6	18 1	24 23	6 0 58	22 26	0 1	8 28	2 15	15 0	0 42	22 6	S 14
S 15	12 46 17	12 2	46 1	53 2	13 6	47 1	23 23	11 0 59	22 26	0 1	8 31	2 15	15 0	0 42	22 7	S 15
M16	13 5 13	49 3	35 1	55 2	22 7	16 1	22 23	17 0 59	22 26	0 2	8 33	2 15	14 59	0 42	22 7	M16
T 17	13 25 9	54 4	4 4	2 0	2 31	7 44	1 21	23 22	0 59	22 26	0 2	8 36	2 15	14 59	0 42	T 17
W18	13 44 5	39 4	42 2	7 2	38 8	12 1	20 23	28 1 0	22 26	0 2	8 39	2 15	14 58	0 42	22 7	W18
T 19	14 3 1	11 4	58 2	16 2	44 8	40 1	19 23	33 1 0	22 26	0 2	8 41	2 15	14 58	0 42	22 7	T 19
F 20	14 22 3n20	5 1	2 27	2 50	9 8	1 17	23 37	1 0	22 26	0 2	8 44	2 15	14 58	0 42	22 7	F 20
S 21	14 41 7	46 4	51 2	41 2	55 9	36 1	16 23	42 1 0	22 26	0 2	8 47	2 15	14 57	0 42	22 7	S 21
S 22	14 59 11	56 4	27 2	56 2	59 10	3 1	15 23	47 1 1	22 26	0 2	8 50	2 15	14 57	0 42	22 7	S 22
M23	15 17 15	40 3	52 3	13 3	3 10	31 1	13 23	51 1 1	22 26	0 3	8 52	2 15	14 56	0 42	22 7	M23
T 24	15 35 18	47 3	5 3	33 3	5 10	58 1	12 23	55 1 1	22 26	0 3	8 55	2 15	14 56	0 42	22 7	T 24
W25	15 52 21	4 2	9 3	53 3	7 11	24 1	10 23	59 1 1	22 26	0 3	8 57	2 15	14 56	0 42	22 7	W25
T 26	16 10 22	22 1	5 4	16 3	9 11	51 1	9 24	2 1 2	22 26	0 3	9 0	2 15	14 55	0 42	22 7	T 26
F 27	16 27 22	31 0n3	40 3	9 12	17 1	7 24	6 1 2	22 26	0 3	9 3	2 15	14 55	0 43	22 7	0 47	F 27
S 28	16 44 21	26 1	12 5	6 3	9 12	43 1	5 24	9 1 2	22 26	0 3	9 5	2 15	14 55	0 43	22 7	S 28
S 29	17 0 19	9 2	19 5	33 3	8 13	9 1	4 24	12 1 2	22 27	0 3	9 8	2 15	14 55	0 43	22 7	S 29
M30	17n16	15n43	3n20	6n 2	3s 7	13n34	1s 2	24n15	1n 3	22s27	0s 4	9n10	2s15	14s54	0s43	M30

Julian Day Number = 2268292.5, Delta T = 295.41 sec

Ecliptic obliquity = 23°30'14, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'23, Lahiri = 16°51'23 Julian Calendar 1 Apr. 1498 == Greg. Calendar 10 Apr. 1498

ASTRODIENST EPHEMERIS for the year 1498
geocentric

MAY 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 10 47	19♌ 5'18	11♍ 1	24♍ 9	10♌ 16	21♏ 53	17°R13	29♍ 30	21♏ 57	12°R36	18°R51	16°R 6	17♌ 25	11♍ 26	3♏ 54	T 1
W 2	15 14 43	20° 3'02	25°29	25°27	11°29	22°32	17♌ 12	29°37	21°58	12♌ 36	18♌ 49	16♌ 2	17°22	11°33	3°59	W 2
T 3	15 18 40	21° 0'44	10♌ 16	26°49	12°43	23°11	17°11	29°45	21°59	12°35	18°47	15°56	17°18	11°40	4° 4	T 3
F 4	15 22 36	21°58'25	25°14	28°12	13°57	23°50	17° 9	29°52	22° 0	12°34	18°46	15°48	17°15	11°46	4° 9	F 4
S 5	15 26 33	22°56'04	10♌ 16	29°38	15°10	24°29	17° 8	29°59	22° 0	12°33	18°44	15°40	17°12	11°53	4°14	S 5
S 6	15 30 29	23°53'42	25°11	1♌ 6	16°24	25° 7	17° 6	0♌ 7	22° 1	12°32	18°43	15°33	17° 9	12° 0	4°19	S 6
M 7	15 34 26	24°51'19	9♌ 51	2°37	17°38	25°46	17° 4	0°14	22° 1	12°31	18°41	15°27	17° 6	12° 6	4°24	M 7
T 8	15 38 22	25°48'55	24° 8	4°10	18°51	26°25	17° 2	0°21	22° 2	12°30	18°39	15°23	17° 3	12°13	4°29	T 8
W 9	15 42 19	26°46'29	8♌ 0	5°46	20° 5	27° 4	16°59	0°28	22° 2	12°29	18°38	15°21	16°59	12°20	4°34	W 9
T 10	15 46 16	27°44'03	21°25	7°23	21°19	27°42	16°57	0°35	22° 3	12°28	18°36	15°D21	16°56	12°27	4°39	T 10
F 11	15 50 12	28°41'36	4♌ 24	9° 4	22°32	28°21	16°54	0°43	22° 3	12°27	18°34	15°22	16°53	12°33	4°44	F 11
S 12	15 54 9	29°39'07	17° 0	10°46	23°46	29° 0	16°51	0°50	22° 4	12°26	18°33	15°23	16°50	12°40	4°49	S 12
S 13	15 58 5	0♏ 36'38	29°18	12°31	25° 0	29°38	16°48	0°57	22° 4	12°25	18°31	15°R24	16°47	12°47	4°54	S 13
M14	16 2 2	1°34'08	11♌ 23	14°18	26°13	0♏ 17	16°45	1° 4	22° 4	12°24	18°29	15°24	16°43	12°54	4°59	M14
T 15	16 5 58	2°31'37	23°19	16° 7	27°27	0°55	16°41	1°11	22° 4	12°23	18°28	15°21	16°40	13° 0	5° 4	T 15
W16	16 9 55	3°29'05	5♍ 11	17°59	28°41	1°34	16°38	1°18	22° 4	12°22	18°26	15°17	16°37	13° 7	5° 9	W16
T 17	16 13 51	4°26'33	17° 3	19°53	29°54	2°13	16°34	1°25	22° 4	12°21	18°25	15°12	16°34	13°14	5°14	T 17
F 18	16 17 48	5°23'59	28°58	21°49	1♏ 8	2°51	16°30	1°31	22°R 4	12°19	18°23	15° 5	16°31	13°20	5°19	F 18
S 19	16 21 45	6°21'25	11♌ 0	23°47	2°22	3°30	16°26	1°38	22° 4	12°18	18°21	14°58	16°28	13°27	5°24	S 19
S 20	16 25 41	7°18'50	23°10	25°47	3°35	4° 8	16°22	1°45	22° 4	12°17	18°20	14°51	16°24	13°34	5°29	S 20
M21	16 29 38	8°16'15	5♏ 30	27°50	4°49	4°47	16°17	1°52	22° 4	12°16	18°18	14°45	16°21	13°41	5°34	M21
T 22	16 33 34	9°13'38	18° 1	29°54	6° 3	5°25	16°13	1°59	22° 4	12°14	18°17	14°41	16°18	13°47	5°39	T 22
W23	16 37 31	10°11'01	0♏ 43	2♏ 0	7°16	6° 4	16° 8	2° 5	22° 4	12°13	18°15	14°39	16°15	13°54	5°44	W23
T 24	16 41 27	11° 8'23	13°37	4° 7	8°30	6°42	16° 3	2°12	22° 4	12°12	18°14	14°D38	16°12	14° 1	5°49	T 24
F 25	16 45 24	12° 5'44	26°44	6°16	9°44	7°21	15°58	2°18	22° 3	12°10	18°12	14°38	16° 9	14° 7	5°54	F 25
S 26	16 49 20	13° 3'04	10♌ 4	8°26	10°57	7°59	15°53	2°25	22° 3	12° 9	18°11	14°40	16° 5	14°14	5°59	S 26
S 27	16 53 17	14° 0'22	23°38	10°37	12°11	8°38	15°47	2°31	22° 3	12° 8	18° 9	14°41	16° 2	14°21	6° 4	S 27
M28	16 57 14	14°57'40	7♏ 27	12°48	13°25	9°16	15°42	2°38	22° 2	12° 6	18° 8	14°42	15°59	14°28	6° 9	M28
T 29	17 1 10	15°54'57	21°31	15° 0	14°38	9°54	15°36	2°44	22° 2	12° 5	18° 6	14°R42	15°56	14°34	6°14	T 29
W30	17 5 7	16°52'13	5♌ 48	17°12	15°52	10°33	15°30	2°50	22° 1	12° 3	18° 5	14°41	15°53	14°41	6°19	W30
T 31	17 9 3	17°II49'28	20♌ 16	19°II24	17°II 6	11♏ 11	15°34	2°57	22° 0	12° 2	18° 4	14°39	15°54	14°48	6°II24	T 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	decl	lat
T 1	17n32	11n19	4n10	6n32	3s 5	13n59	1s 0	24n18	1n 3	22s27	0s 4	9n13	2s15	14s54	0s43	22s 7	0n47	3s22	14n39	22n32	22n22	0s10	16n59	4s 4							
W 2	17 48	6 10	4 46	7 3	3 2	14 24	0 58	24 21	1 3	22 27	0 4	9 16	2 15	14 54	0 43	22 7	0 47	3 22	14 38	22 32	22 22	0 8	17 0	4 4							
T 3	18 4	0 35	5 4	7 35	2 59	14 48	0 57	24 23	1 3	22 28	0 4	9 18	2 15	14 54	0 43	22 7	0 47	3 21	14 38	22 33	22 23	0 5	17 1	4 5							
F 4	18 19	5s 7	5 1	8 8	2 55	15 12	0 55	24 25	1 4	22 28	0 4	9 21	2 15	14 53	0 43	22 7	0 47	3 21	14 38	22 34	22 23	0 3	17 2	4 5							
S 5	18 33	10 32	4 38	8 43	2 50	15 35	0 53	24 27	1 4	22 28	0 4	9 23	2 15	14 53	0 43	22 7	0 47	3 21	14 38	22 35	22 24	0 0	17 2	4 5							
S 6	18 48	15 17	3 56	9 18	2 45	15 58	0 51	24 29	1 4	22 29	0 4	9 26	2 15	14 53	0 43	22 7	0 47	3 20	14 38	22 36	22 24	0n 2	17 3	4 5							
M 7	19 2	19 2	2 59	9 55	2 40	16 21	0 49	24 30	1 4	22 29	0 5	9 28	2 16	14 53	0 43	22 8	0 47	3 20	14 38	22 36	22 24	0 5	17 4	4 5							
T 8	19 16	21 31	1 52	10 32	2 34	16 44	0 47	24 32	1 4	22 30	0 5	9 30	2 16	14 53	0 43	22 8	0 47	3 20	14 38	22 37	22 25	0 7	17 5	4 5							
W 9	19 29	22 36	0 40	11 10	2 27	17 6	0 45	24 33	1 5	22 30	0 5	9 33	2 16	14 53	0 43	22 8	0 47	3 19	14 38	22 37	22 25	0 10	17 6	4 5							
T 10	19 42	22 20	0s33	11 49	2 20	17 27	0 43	24 34	1 5	22 30	0 5	9 35	2 16	14 53	0 43	22 8	0 47	3 19	14 38	22 37	22 26	0 12	17 7	4 5							
F 11	19 55	20 51	1 41	12 28	2 12	17 48	0 40	24 35	1 5	22 31	0 5	9 38	2 16	14 52	0 43	22 8	0 47	3 19	14 37	22 37	22 26	0 15	17 8	4 5							
S 12	20 8	18 22	2 42	13 8	2 4	18 9	0 38	24 35	1 5	22 31	0 5	9 40	2 16	14 52	0 43	22 8	0 47	3 19	14 37	22 37	22 26	0 17	17 8	4 5							
S 13	20 20	15 6	3 35	13 48	1 56	18 29	0 36	24 35	1 5	22 32	0 5	9 42	2 16	14 52	0 43	22 8	0 47	3 18	14 37	22 37	22 27	0 20	17 9	4 5							
M14	20 32	11 16	4 17	14 28	1 47	18 49	0 34	24 36	1 5	22 33	0 6	9 45	2 16	14 52	0 43	22 8	0 47	3 18	14 37	22 37	22 27	0 23	17 10	4 5							
T 15	20 43	7 3	4 47	15 9	1 37	19 8	0 32	24 36	1 6	22 33	0 6	9 47	2 16	14 52	0 43	22 8	0 47	3 18	14 37	22 37	22 28	0 25	17 11	4 5							
W16	20 54	2 36	5 4	15 50	1 28	19 26	0 29	24 35	1 6	22 34	0 6	9 49	2 16	14 52	0 43	22 8	0 47	3 18	14 37	22 37	22 28	0 28	17 12	4 5							
T 17	21 5	1n57	5 9	16 31	1 18	19 44	0 27	24 35	1 6	22 34	0 6	9 52	2 16	14 52	0 43	22 8	0 47	3 17	14 36	22 38	22 28	0 30	17 12	4 5							
F 18	21 16	6 27	5 0	17 11	1 7	20 2	0 25	24 34	1 6	22 35	0 6	9 54	2 17	14 52	0 43	22 9	0 48	3 17	14 36	22 39	22 29	0 33	17 13	4 5							
S 19	21 26	10 46	4 38	17 51	0 57	20 19	0 23	24 34	1 6	22 36	0 6	9 56	2 17	14 52	0 43	22 9	0 48	3 17	14 36	22 40	22 29	0 35	17 14	4 5							
S 20	21 35	14 41	4 3	18 31	0 46	20 36	0 20	24 33	1 6	22 36	0 6	9 59	2 17	14 52	0 43	22 9	0 48	3 17	14 36	22 40	22 30	0 38	17 15	4 6							
M21	21 45	18 3	3 17	19 9	0 35	20 52	0 18	24 32	1 7	22 37	0 7	10 1	2 17	14 52	0 43	22 9	0 48	3 17	14 35	22 41	22 30	0 40	17 16	4 6							
T 22	21 54	20 38	2 20	19 47	0 24	21 7	0 16	24 30	1 7	22 38	0 7	10 3	2 17	14 53	0 43	22 9	0 48	3 16	14 35	22 42	22 30	0 43	17 16	4 6							
W23	22 2	22 15	1 15	20 24	0 14	21 22	0 13	24 29	1 7	22 38	0 7	10 5	2 17	14 53	0 44	22 9	0 48	3 16	14 35	22 42	22 31	0 46	17 17	4 6							
T 24	22 10	22 43	0 6	20 59	0 3	21 36	0 11	24 27	1 7	22 39	0 7	10 7	2 17	14 53	0 44	22 9	0 48	3 16	14 35	22 42	22 31	0 48	17 18	4 6							
F 25	22 18	21 56	1n 6	21 33	0n 8	21 50	0 9	24 25	1 7	22 40	0 7	10 9	2 17	14 53	0 44	22 9	0 48	3 16	14 34	22 42	22 31	0 51	17 19	4 6							
S 26	22 26	19 56	2 15	22 5	0 19	22 3	0 6	24 23	1 7	22 41	0 7	10 11	2 18	14 53	0 44	22 9	0 48	3 16	14 34	22 42	22 32	0 53	17 19	4 6							
S 27	22 33	16 46	3 17	22 34	0 29	22 15	0 4	24 21	1 7	22 42	0 8	10 14	2 18	14 53	0 44	22 10	0 48	3 16	14 34	22 42	22 32	0 56	17 20	4 6							
M28	22 39	12 39	4 10	23 2	0 39	22 27	0 1	24 18	1 7	22 42	0 8	10 16	2 18	14 53	0 44	22 10	0 48	3 16	14 34	22 41	22 33	0 58	17 21	4 7							
T 29	22 45	7 47	4 48	23 27	0 48	22 38	0n 1	24 15	1 8	22 43	0 8	10 18	2 18	14 54	0 44	22 10	0 48	3 16	14 33	22 41	22 33	1 1	17 21	4 7							
W30	22 51	2 25	5 9	23 50	0 57	22 48	0 3	24 12	1 8	22 44	0 8	10 20	2 18	14 54	0 44	22 10	0 48	3 16	14 33	22 42	22 33	1 3	17 22	4 7							
T 31	22n57	3s 7	5n12	24n11	1n 6	22n58	0n 6	24n 9	1n 8	22s45	0s 8	10n22	2s18	14s54	0s44	22s10	0n48	3s16	14n33	22n42	22n34	1n 6	17n23	4s 7							

Julian Day Number = 2268322.5, Delta T = 295.23 sec

Ecliptic obliquity = 23°30'13", Nutation = - 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'27", Lahiri = 16°51'27" Julian Calendar 1 May 1498 == Greg. Calendar 10 May 1498

ASTRODIENST EPHEMERIS for the year 1498

geocentric

JUNE 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	17 13 0	18II46'42	4III50	21II35	18II19	11III50	15°R18	3B 3	22°R 0	12°R 1	18°R 2	14°R36	15°R46	14°V55	6II29	F 1
S 2	17 16 56	19°43'56	19°26	23°45	19°33	12°28	15°R12	3° 9	21°R59	11°R59	18°R 1	14°R32	15°43	15° 1	6°34	S 2
S 3	17 20 53	20°41'09	3X57	25°55	20°47	13° 6	15° 6	3°15	21°58	11°58	18° 0	14°29	15°40	15° 8	6°39	S 3
M 4	17 24 49	21°38'21	18°17	28° 3	22° 0	13°45	15° 0	3°21	21°58	11°56	17°58	14°27	15°37	15°15	6°44	M 4
T 5	17 28 46	22°35'33	2III20	0III10	23°14	14°23	14°53	3°27	21°57	11°55	17°57	14°25	15°34	15°21	6°49	T 5
W 6	17 32 43	23°32'45	16° 2	2°16	24°28	15° 1	14°46	3°33	21°56	11°53	17°56	14°D25	15°30	15°28	6°54	W 6
T 7	17 36 39	24°29'56	29°23	4°20	25°42	15°40	14°40	3°39	21°55	11°52	17°54	14°25	15°27	15°35	6°59	T 7
F 8	17 40 36	25°27'07	12III21	6°22	26°55	16°18	14°33	3°44	21°54	11°50	17°53	14°27	15°24	15°42	7° 4	F 8
S 9	17 44 32	26°24'18	24°59	8°22	28° 9	16°56	14°26	3°50	21°53	11°49	17°52	14°28	15°21	15°48	7° 8	S 9
S 10	17 48 29	27°21'29	7X20	10°21	29°23	17°34	14°19	3°56	21°52	11°47	17°51	14°29	15°18	15°55	7°13	S 10
M 11	17 52 25	28°18'40	19°27	12°17	0III36	18°13	14°12	4° 1	21°51	11°46	17°50	14°30	15°15	16° 2	7°18	M 11
T 12	17 56 22	29°15'51	1°V25	14°11	1°50	18°51	14° 5	4° 7	21°50	11°44	17°49	14°R30	15°11	16° 9	7°23	T 12
W 13	18 0 18	0III13'02	13°19	16° 4	3° 4	19°29	13°58	4°12	21°49	11°42	17°47	14°30	15° 8	16°15	7°28	W 13
T 14	18 4 15	1°10'14	25°13	17°54	4°18	20° 7	13°50	4°18	21°48	11°41	17°46	14°29	15° 5	16°22	7°32	T 14
F 15	18 8 12	2° 7'25	7X11	19°42	5°31	20°46	13°43	4°23	21°46	11°39	17°45	14°27	15° 2	16°29	7°37	F 15
S 16	18 12 8	3° 4'36	19°17	21°28	6°45	21°24	13°36	4°28	21°45	11°38	17°44	14°26	14°59	16°35	7°42	S 16
S 17	18 16 5	4° 1'48	1III34	23°12	7°59	22° 2	13°28	4°33	21°44	11°36	17°43	14°24	14°55	16°42	7°47	S 17
M 18	18 20 1	4°59'00	14° 5	24°54	9°13	22°40	13°21	4°38	21°42	11°34	17°42	14°23	14°52	16°49	7°51	M 18
T 19	18 23 58	5°56'12	26°50	26°33	10°26	23°19	13°13	4°43	21°41	11°33	17°41	14°22	14°49	16°56	7°56	T 19
W 20	18 27 54	6°53'24	9III52	28°11	11°40	23°57	13° 5	4°48	21°39	11°31	17°40	14°D22	14°46	17° 2	8° 1	W 20
T 21	18 31 51	7°50'36	23° 8	29°46	12°54	24°35	12°58	4°53	21°38	11°30	17°39	14°22	14°43	17° 9	8° 5	T 21
F 22	18 35 47	8°47'49	6III39	1°R20	14° 8	25°13	12°50	4°58	21°36	11°28	17°39	14°22	14°40	17°16	8°10	F 22
S 23	18 39 44	9°45'01	20°23	2°51	15°22	25°51	12°42	5° 3	21°35	11°26	17°38	14°23	14°36	17°23	8°14	S 23
S 24	18 43 41	10°42'13	4III17	4°20	16°35	26°30	12°35	5° 7	21°33	11°25	17°37	14°23	14°33	17°29	8°19	S 24
M 25	18 47 37	11°39'25	18°21	5°47	17°49	27° 8	12°27	5°12	21°32	11°23	17°36	14°23	14°30	17°36	8°23	M 25
T 26	18 51 34	12°36'37	2X31	7°11	19° 3	27°46	12°19	5°16	21°30	11°21	17°35	14°23	14°27	17°43	8°28	T 26
W 27	18 55 30	13°33'49	16°45	8°34	20°17	28°24	12°11	5°21	21°28	11°20	17°35	14°R23	14°24	17°49	8°32	W 27
T 28	18 59 27	14°31'01	1III 0	9°54	21°31	29° 2	12° 4	5°25	21°27	11°18	17°34	14°D23	14°21	17°56	8°37	T 28
F 29	19 3 23	15°28'13	15°14	11°12	22°44	29°40	11°56	5°29	21°25	11°17	17°33	14°24	14°17	18° 3	8°41	F 29
S 30	19 7 20	16°25'25	29III25	12°R27	23°R58	0°R18	11°R48	5°R33	21°R23	11°R15	17°R32	14°R24	14°R14	18°V10	8°R45	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
F 1	23n 2	8s33	4n54	24n28	1n14	23n 7	0n 8	24n 6	1n 8	22s46	0s 8	10n24	2s18	14s54	0s44	22s10	0n48	3s15	14n32	22n42	22n34	1n 9	17n23	4s 7							
S 2	23 6	13 30	4 17	24 43	1 21	23 16	0 10	24 3	1 8	22 46	0 8	10 26	2 19	14 55	0 44	22 10	0 48	3 15	14 32	22 42	22 35	1 11	17 24	4 7							
S 3	23 11	17 39	3 24	24 55	1 28	23 24	0 13	23 59	1 8	22 47	0 9	10 27	2 19	14 55	0 44	22 10	0 48	3 15	14 32	22 43	22 35	1 14	17 25	4 7							
M 4	23 14	20 41	2 19	25 4	1 34	23 31	0 15	23 55	1 8	22 48	0 9	10 29	2 19	14 55	0 44	22 11	0 48	3 15	14 31	22 43	22 35	1 16	17 25	4 8							
T 5	23 18	22 23	1 6	25 10	1 39	23 37	0 18	23 51	1 8	22 49	0 9	10 31	2 19	14 55	0 44	22 11	0 48	3 15	14 31	22 43	22 36	1 19	17 26	4 8							
W 6	23 21	22 41	0s 9	25 13	1 44	23 43	0 20	23 47	1 8	22 50	0 9	10 33	2 19	14 56	0 44	22 11	0 48	3 15	14 31	22 43	22 36	1 21	17 27	4 8							
T 7	23 23	21 40	1 22	25 14	1 48	23 48	0 22	23 43	1 9	22 51	0 9	10 35	2 19	14 56	0 44	22 11	0 48	3 15	14 30	22 43	22 36	1 24	17 27	4 8							
F 8	23 26	19 30	2 28	25 12	1 51	23 52	0 24	23 38	1 9	22 52	0 9	10 37	2 19	14 56	0 44	22 11	0 48	3 16	14 30	22 43	22 37	1 27	17 28	4 8							
S 9	23 27	16 27	3 25	25 8	1 53	23 56	0 27	23 34	1 9	22 53	0 10	10 38	2 20	14 57	0 44	22 11	0 48	3 16	14 30	22 43	22 37	1 29	17 29	4 8							
S 10	23 29	12 44	4 12	25 1	1 55	23 59	0 29	23 29	1 9	22 54	0 10	10 40	2 20	14 57	0 44	22 11	0 48	3 16	14 29	22 43	22 37	1 32	17 29	4 9							
M11	23 30	8 34	4 46	24 52	1 56	24 1	0 31	23 24	1 9	22 54	0 10	10 42	2 20	14 58	0 44	22 12	0 48	3 16	14 29	22 43	22 38	1 34	17 30	4 9							
T 12	23 30	4 8	5 8	24 40	1 56	24 3	0 33	23 19	1 9	22 55	0 10	10 44	2 20	14 58	0 44	22 12	0 48	3 16	14 28	22 43	22 38	1 37	17 30	4 9							
W13	23 30	0n25	5 16	24 27	1 56	24 4	0 36	23 13	1 9	22 56	0 10	10 45	2 20	14 58	0 44	22 12	0 48	3 16	14 28	22 43	22 39	1 40	17 31	4 9							
T 14	23 30	4 58	5 10	24 12	1 55	24 4	0 38	23 8	1 9	22 57	0 10	10 47	2 21	14 59	0 44	22 12	0 48	3 16	14 28	22 43	22 39	1 42	17 31	4 9							
F 15	23 29	9 21	4 51	23 55	1 53	24 3	0 40	23 2	1 9	22 58	0 10	10 48	2 21	14 59	0 44	22 12	0 48	3 16	14 27	22 43	22 39	1 45	17 32	4 10							
S 16	23 28	13 26	4 19	23 36	1 50	24 2	0 42	22 56	1 9	22 59	0 11	10 50	2 21	15 0	0 44	22 12	0 48	3 16	14 27	22 43	22 40	1 47	17 33	4 10							
S 17	23 27	17 1	3 35	23 16	1 47	24 0	0 44	22 50	1 9	23 0	0 11	10 52	2 21	15 0	0 44	22 12	0 47	3 16	14 26	22 43	22 40	1 50	17 33	4 10							
M18	23 25	19 54	2 40	22 54	1 44	23 57	0 46	22 44	1 9	23 1	0 11	10 53	2 21	15 1	0 44	22 13	0 47	3 17	14 26	22 43	22 40	1 52	17 34	4 10							
T 19	23 22	21 52	1 36	22 32	1 39	23 53	0 48	22 37	1 9	23 2	0 11	10 55	2 21	15 1	0 44	22 13	0 47	3 17	14 25	22 44	22 41	1 55	17 34	4 11							
W20	23 19	22 43	0 25	22 7	1 35	23 49	0 50	22 31	1 9	23 3	0 11	10 56	2 22	15 2	0 45	22 13	0 47	3 17	14 25	22 44	22 41	1 58	17 35	4 11							
T 21	23 16	22 19	0n48	21 42	1 29	23 44	0 52	22 24	1 9	23 4	0 11	10 57	2 22	15 2	0 45	22 13	0 47	3 17	14 25	22 44	22 41	2 0	17 35	4 11							
F 22	23 13	20 36	2 0	21 16	1 23	23 39	0 54	22 17	1 9	23 4	0 12	10 59	2 22	15 3	0 45	22 13	0 47	3 17	14 24	22 44	22 42	2 3	17 36	4 11							
S 23	23 9	17 41	3 7	20 49	1 17	23 32	0 56	22 10	1 9	23 5	0 12	11 0	2 22	15 3	0 45	22 13	0 47	3 18	14 24	22 44	22 42	2 5	17 36	4 11							
S 24	23 4	13 43	4 3	20 22	1 10	23 25	0 58	22 3	1 10	23 6	0 12	11 2	2 22	15 4	0 45	22 13	0 47	3 18	14 23	22 43	22 42	2 8	17 36	4 12							
M25	22 59	8 59	4 45	19 53	1 3	23 18	0 59	21 56	1 10	23 7	0 12	11 3	2 23	15 4	0 45	22 14	0 47	3 18	14 23	22 43	22 43	2 11	17 37	4 12							
T 26	22 54	3 44	5 10	19 24	0 55	23 9	1 1	21 48	1 10	23 8	0 12	11 4	2 23	15 5	0 45	22 14	0 47	3 18	14 22	22 43	22 43	2 13	17 37	4 12							
W27	22 49	1s43	5 17	18 55	0 46	23 0	1 3	21 40	1 10	23 9	0 12	11 5	2 23	15 5	0 45	22 14	0 47	3 19	14 22	22 43	22 43	2 16	17 38	4 12							
T 28	22 43	7 6	5 4	18 25	0 38	22 50	1 5	21 33	1 10	23 10	0 12	11 7	2 23	15 6	0 45	22 14	0 47	3 19	14 21	22 43	22 44	2 18	17 38	4 13							
F 29	22 36	12 6	4 32	17 55	0 38	22 40	1 6	21 25	1 10	23 10	0 13	11 8	2 23	15 7	0 45	22 14	0 47	3 19	14 21	22 43	22 44	2 21	17 39	4 13							
S 30	22n29	16s26	3n44	17n25	0n19	22n29	1n 8	21n16	1n10	23s11	0s13	11n 9	2s24	15s 7	0s45	22s14	0n47	3s19	14n20	22n43	22n44	2n24	17n39	4s13							

ASTRODIENST EPHEMERIS for the year 1498

geocentric

JULY 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 11 16	17°22'38	13°27	13°40	25°12	0°57	11°R41	5°37	21°R21	11°R13	17°R32	14°24	14°11	18°Y16	8°II49	S 1
M 2	19 15 13	18°19'51	27°20	14°50	26°26	1°35	11°33	5°41	21°19	11°12	17°31	14°24	14° 8	18°23	8°54	M 2
T 3	19 19 10	19°17'04	10°59	15°58	27°40	2°13	11°25	5°45	21°17	11°10	17°31	14°R24	14° 5	18°30	8°58	T 3
W 4	19 23 6	20°14'17	24°24	17° 3	28°53	2°51	11°18	5°49	21°15	11° 9	17°30	14°24	14° 1	18°36	9° 2	W 4
T 5	19 27 3	21°11'32	7°31	18° 6	0° 7	3°29	11°10	5°53	21°14	11° 7	17°30	14°24	13°58	18°43	9° 6	T 5
F 6	19 30 59	22° 8'46	20°22	19° 6	1°21	4° 7	11° 3	5°56	21°12	11° 5	17°29	14°23	13°55	18°50	9°10	F 6
S 7	19 34 56	23° 6'02	2°56	20° 2	2°35	4°45	10°55	6° 0	21°10	11° 4	17°29	14°22	13°52	18°57	9°14	S 7
S 8	19 38 52	24° 3'18	15°15	20°56	3°49	5°23	10°48	6° 3	21° 8	11° 2	17°28	14°21	13°49	19° 3	9°18	S 8
M 9	19 42 49	25° 0'35	27°23	21°46	5° 3	6° 1	10°41	6° 7	21° 5	11° 1	17°28	14°20	13°46	19°10	9°22	M 9
T 10	19 46 46	25°57'53	9°21	22°33	6°16	6°40	10°34	6°10	21° 3	10°59	17°28	14°19	13°42	19°17	9°26	T 10
W11	19 50 42	26°55'12	21°15	23°17	7°30	7°18	10°26	6°13	21° 1	10°58	17°27	14°18	13°39	19°24	9°30	W11
T 12	19 54 39	27°52'32	3°8	9 23°57	8°44	7°56	10°19	6°16	20°59	10°56	17°27	14°D18	13°36	19°30	9°34	T 12
F 13	19 58 35	28°49'53	15° 7	24°33	9°58	8°34	10°12	6°19	20°57	10°55	17°27	14°19	13°33	19°37	9°38	F 13
S 14	20 2 32	29°47'15	27°14	25° 5	11°12	9°12	10° 5	6°22	20°55	10°53	17°27	14°20	13°30	19°44	9°42	S 14
S 15	20 6 28	0°44'38	9°II35	25°33	12°26	9°50	9°59	6°25	20°53	10°51	17°27	14°21	13°27	19°50	9°45	S 15
M16	20 10 25	1°42'03	22°12	25°57	13°40	10°28	9°52	6°28	20°50	10°50	17°26	14°22	13°23	19°57	9°49	M16
T 17	20 14 21	2°39'28	5°9	26°16	14°53	11° 6	9°45	6°30	20°48	10°49	17°26	14°23	13°20	20° 4	9°53	T 17
W18	20 18 18	3°36'55	18°26	26°30	16° 7	11°45	9°39	6°33	20°46	10°47	17°26	14°R23	13°17	20°11	9°56	W18
T 19	20 22 15	4°34'23	2° 4	26°40	17°21	12°23	9°32	6°35	20°44	10°46	17°26	14°23	13°14	20°17	10° 0	T 19
F 20	20 26 11	5°31'51	16° 1	26°R44	18°35	13° 1	9°26	6°37	20°42	10°44	17°D26	14°21	13°11	20°24	10° 3	F 20
S 21	20 30 8	6°29'21	0°II12	26°43	19°49	13°39	9°20	6°40	20°39	10°43	17°26	14°18	13° 7	20°31	10° 7	S 21
S 22	20 34 4	7°26'51	14°34	26°37	21° 3	14°17	9°14	6°42	20°37	10°41	17°26	14°15	13° 4	20°38	10°10	S 22
M23	20 38 1	8°24'23	29° 0	26°26	22°17	14°55	9° 8	6°44	20°35	10°40	17°26	14°12	13° 1	20°44	10°13	M23
T 24	20 41 57	9°21'55	13°27	26° 9	23°31	15°33	9° 2	6°46	20°32	10°39	17°26	14° 9	12°58	20°51	10°16	T 24
W25	20 45 54	10°19'28	27°48	25°47	24°45	16°11	8°57	6°47	20°30	10°37	17°27	14° 8	12°55	20°58	10°20	W25
T 26	20 49 50	11°17'02	12° 1	25°20	25°59	16°50	8°51	6°49	20°28	10°36	17°27	14°D 7	12°52	21° 4	10°23	T 26
F 27	20 53 47	12°14'37	26° 4	24°47	27°12	17°28	8°46	6°51	20°25	10°35	17°27	14° 8	12°48	21°11	10°26	F 27
S 28	20 57 44	13°12'12	9°56	24°10	28°26	18° 6	8°41	6°52	20°23	10°33	17°27	14° 9	12°45	21°18	10°29	S 28
S 29	21 1 40	14° 9'49	23°35	23°29	29°40	18°44	8°36	6°53	20°20	10°32	17°28	14°11	12°42	21°25	10°32	S 29
M30	21 5 37	15° 7'27	7°3	22°44	0°II54	19°22	8°31	6°55	20°18	10°31	17°28	14°12	12°39	21°31	10°35	M30
T 31	21 9 33	16° 5'06	20°36	21°56	2°II8	20° 0	8°36	6°56	20°16	10°30	17°28	14°R12	12°36	21°Y38	10°II38	T 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
S 1	22n22	19s47	2n43	16n55	0n 9	22n17	1n 9	21n 8	1n10	23s12	0s13	11n10	2s24	15s 8	0s45	22s14	0n47	3s20	14n20	22n43	22n45	2n26	17n39	4s14					
M 2	22 15	21 55	1 33	16 24	0s 1	22 5	1 11	21 0	1 10	23 13	0 13	11 11	2 24	15 8	0 45	22 15	0 47	3 20	14 19	22 43	22 45	2 29	17 40	4 14					
T 3	22 7	22 44	0 19	15 54	0 12	21 52	1 12	20 51	1 10	23 14	0 13	11 12	2 24	15 9	0 45	22 15	0 47	3 20	14 19	22 43	22 45	2 31	17 40	4 14					
W 4	21 58	22 12	0s55	15 24	0 23	21 38	1 13	20 42	1 10	23 15	0 13	11 13	2 25	15 10	0 45	22 15	0 47	3 21	14 18	22 43	22 46	2 34	17 40	4 14					
T 5	21 50	20 27	2 5	14 54	0 34	21 24	1 15	20 33	1 10	23 15	0 13	11 14	2 25	15 10	0 45	22 15	0 47	3 21	14 18	22 43	22 46	2 37	17 41	4 15					
F 6	21 41	17 41	3 6	14 25	0 46	21 9	1 16	20 24	1 10	23 16	0 14	11 15	2 25	15 11	0 45	22 15	0 47	3 21	14 17	22 43	22 46	2 39	17 41	4 15					
S 7	21 31	14 8	3 57	13 56	0 57	20 53	1 17	20 15	1 10	23 17	0 14	11 16	2 25	15 12	0 45	22 15	0 47	3 22	14 17	22 44	22 47	2 42	17 41	4 15					
S 8	21 21	10 4	4 36	13 28	1 9	20 37	1 18	20 6	1 10	23 18	0 14	11 17	2 26	15 12	0 45	22 16	0 47	3 22	14 16	22 44	22 47	2 44	17 42	4 16					
M 9	21 11	5 40	5 2	13 0	1 22	20 20	1 19	19 56	1 10	23 18	0 14	11 18	2 26	15 13	0 45	22 16	0 47	3 23	14 16	22 44	22 47	2 47	17 42	4 16					
T 10	21 1	1 6	5 15	12 33	1 34	20 3	1 20	19 47	1 10	23 19	0 14	11 19	2 26	15 14	0 45	22 16	0 47	3 23	14 15	22 44	22 48	2 50	17 42	4 16					
W11	20 50	3n28	5 14	12 7	1 47	19 45	1 21	19 37	1 10	23 20	0 14	11 20	2 26	15 14	0 45	22 16	0 47	3 23	14 15	22 44	22 48	2 52	17 42	4 17					
T 12	20 39	7 54	4 59	11 42	1 59	19 27	1 22	19 27	1 10	23 20	0 14	11 21	2 26	15 15	0 45	22 16	0 47	3 24	14 14	22 44	22 48	2 55	17 43	4 17					
F 13	20 27	12 5	4 32	11 18	2 12	19 8	1 23	19 17	1 10	23 21	0 14	11 21	2 27	15 16	0 45	22 16	0 47	3 24	14 14	22 44	22 49	2 57	17 43	4 17					
S 14	20 15	15 50	3 52	10 55	2 25	18 48	1 24	19 7	1 10	23 22	0 15	11 22	2 27	15 16	0 45	22 16	0 47	3 25	14 13	22 44	22 49	3 0	17 43	4 18					
S 15	20 3	18 58	3 0	10 34	2 38	18 28	1 25	18 57	1 10	23 22	0 15	11 23	2 27	15 17	0 45	22 17	0 47	3 25	14 13	22 44	22 49	3 3	17 43	4 18					
M16	19 50	21 17	1 59	10 14	2 50	18 8	1 25	18 47	1 10	23 23	0 15	11 23	2 27	15 18	0 45	22 17	0 47	3 26	14 12	22 44	22 50	3 5	17 43	4 18					
T 17	19 37	22 33	0 51	9 56	3 3	17 47	1 26	18 36	1 9	23 24	0 15	11 24	2 28	15 19	0 45	22 17	0 47	3 26	14 12	22 43	22 50	3 8	17 44	4 19					
W18	19 24	22 36	0n22	9 39	3 15	17 25	1 26	18 25	1 9	23 24	0 15	11 25	2 28	15 19	0 45	22 17	0 47	3 27	14 11	22 43	22 50	3 10	17 44	4 19					
T 19	19 10	21 18	1 36	9 25	3 27	17 3	1 27	18 15	1 9	23 25	0 15	11 25	2 28	15 20	0 45	22 17	0 47	3 27	14 10	22 44	22 51	3 13	17 44	4 19					
F 20	18 56	18 42	2 45	9 13	3 39	16 41	1 27	18 4	1 9	23 25	0 15	11 26	2 28	15 21	0 45	22 17	0 47	3 28	14 10	22 44	22 51	3 16	17 44	4 20					
S 21	18 42	14 57	3 46	9 2	3 50	16 18	1 28	17 53	1 9	23 26	0 15	11 26	2 29	15 22	0 45	22 17	0 47	3 28	14 9	22 44	22 51	3 18	17 44	4 20					
S 22	18 28	10 17	4 33	8 55	4 0	15 54	1 28	17 42	1 9	23 26	0 16	11 27	2 29	15 22	0 45	22 18	0 47	3 29	14 9	22 44	22 52	3 21	17 44	4 20					
M23	18 13	5 1	5 3	8 49	4 10	15 31	1 28	17 30	1 9	23 27	0 16	11 27	2 29	15 23	0 45	22 18	0 47	3 29	14 8	22 45	22 52	3 23	17 45	4 21					
T 24	17 58	0s30	5 14	8 46	4 19	15 6	1 28	17 19	1 9	23 27	0 16	11 27	2 29	15 24	0 45	22 18	0 47	3 30	14 8	22 45	22 52	3 26	17 45	4 21					
W25	17 42	5 58	5 5	8 46	4 27	14 42	1 28	17 8	1 9	23 28	0 16	11 28	2 30	15 25	0 45	22 18	0 47	3 30	14 7	22 45	22 53	3 29	17 45	4 21					
T 26	17 26	11 5	4 37	8 49	4 34	14 17	1 28	16 56	1 9	23 28	0 16	11 28	2 30	15 25	0 45	22 18	0 47	3 31	14 7	22 45	22 53	3 31	17 45	4 22					
F 27	17 10	15 32	3 54	8 55	4 39	13 51	1 28	16 44	1 9	23 29	0 16	11 28	2 30	15 26	0 45	22 18	0 47	3 32	14 6	22 45	22 53	3 34	17 45	4 22					
S 28	16 54	19 5	2 57	9 3	4 43	13 25	1 28	16 32	1 9	23 29	0 16	11 29	2 30	15 27	0 45	22 18	0 47	3 32	14 6	22 45	22 53	3 37	17 45	4 23					
S29	16 37	21 31	1 50	9 14	4 46	12 59	1 28	16 21	1 9	23 30	0 16	11 29	2 31	15 28	0 45	22 18	0 47	3 33	14 5	22 45	22 54	3 39	17 45	4 23					
M30	16 21	22 40	0 39	9 28	4 46	12 33	1 28	16 9	1 9	23 30	0 16	11 29	2 31	15 28	0 45	22 19	0 47	3 33	14 4	22 45	22 54	3 42	17 45	4 23					
T 31	16n 3	22s31	0s33	9n44	4s45	12n 6	1n27	15n56	1n 9	23s31	0s17	11n29	2s31	15s29	0s45	22s19	0n47	3s34	14n 4	22n45	22n54	3n44	17n45	4s24					

ASTRODIENST EPHEMERIS for the year 1498

geocentric

AUGUST 1498 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	21 13 30	17°18' 2'46	3°18' 18	21°R 6	3°17' 22	20°12' 38	8°R 22	6°57' 57	20°R 13	10°R 28	17°M 29	14°R 10	12°32' 32	21°Y 45	10°II 41	W 1
T 2	21 17 26	18° 0'27	16° 7	20°15' 15	4°36' 4	21°16' 16	8°17' 17	6°58' 58	20°11' 11	10°27' 27	17°29' 29	14°32' 32	12°29' 29	21°51' 51	10°43' 43	T 2
F 3	21 21 23	18°58'10	28°44' 4	19°23' 23	5°49' 49	21°55' 55	8°13' 13	6°59' 59	20° 9	10°26' 26	17°30' 30	14° 3	12°26' 26	21°58' 58	10°46' 46	F 3
S 4	21 25 19	19°55'54	11°18' 9	18°32' 32	7° 3	22°33' 33	8° 9	7° 0	20° 6	10°25' 25	17°30' 30	13°57' 57	12°23' 23	22° 5	10°49' 49	S 4
S 5	21 29 16	20°53'40	23°23' 23	17°42' 42	8°17' 17	23°11' 11	8° 5	7° 0	20° 4	10°23' 23	17°31' 31	13°50' 50	12°20' 20	22°12' 12	10°51' 51	S 5
M 6	21 33 13	21°51'27	5°Y 27	16°55' 55	9°31' 31	23°49' 49	8° 1	7° 1	20° 1	10°22' 22	17°31' 31	13°44' 44	12°17' 17	22°18' 18	10°54' 54	M 6
T 7	21 37 9	22°49'16	17°24' 24	16°12' 12	10°45' 45	24°27' 27	7°58' 58	7° 1	19°59' 59	10°21' 21	17°32' 32	13°38' 38	12°13' 13	22°25' 25	10°56' 56	T 7
W 8	21 41 6	23°47'06	29°16' 16	15°34' 34	11°59' 59	25° 5	7°54' 54	7° 1	19°57' 57	10°20' 20	17°32' 32	13°34' 34	12°10' 10	22°32' 32	10°58' 58	W 8
T 9	21 45 2	24°44'59	11°18' 9	15° 1	13°13' 13	25°44' 44	7°51' 51	7° 2	19°54' 54	10°19' 19	17°33' 33	13°31' 31	12° 7	22°39' 39	11° 1	T 9
F 10	21 48 59	25°42'53	23° 5	14°35' 35	14°26' 26	26°22' 22	7°48' 48	7°R 2	19°52' 52	10°18' 18	17°34' 34	13°D30' 30	12° 4	22°45' 45	11° 3	F 10
S 11	21 52 55	26°40'49	5°II 10	14°15' 15	15°40' 40	27° 0	7°45' 45	7° 2	19°49' 49	10°17' 17	17°35' 35	13°30' 30	12° 1	22°52' 52	11° 5	S 11
S 12	21 56 52	27°38'47	17°29' 29	14° 3	16°54' 54	27°38' 38	7°43' 43	7° 2	19°47' 47	10°16' 16	17°35' 35	13°31' 31	11°58' 58	22°59' 59	11° 7	S 12
M13	22 0 48	28°36'47	0°32' 7	13°D59' 59	18° 8	28°16' 16	7°40' 40	7° 1	19°45' 45	10°15' 15	17°36' 36	13°33' 33	11°54' 54	23° 5	11° 9	M13
T 14	22 4 45	29°34'48	13° 7	14° 3	19°22' 22	28°55' 55	7°38' 38	7° 1	19°42' 42	10°14' 14	17°37' 37	13°R33' 33	11°51' 51	23°12' 12	11°11' 11	T 14
W15	22 8 41	0°17'32	26°33' 33	14°15' 15	20°36' 36	29°33' 33	7°36' 36	7° 1	19°40' 40	10°13' 13	17°38' 38	13°32' 32	11°48' 48	23°19' 19	11°13' 13	W15
T 16	22 12 38	1°30'57	10°12' 24	14°36' 36	21°49' 49	0°17' 11	7°34' 34	7° 0	19°38' 38	10°12' 12	17°39' 39	13°30' 30	11°45' 45	23°26' 26	11°15' 15	T 16
F 17	22 16 35	2°29'04	24°40' 40	15° 5	23° 3	0°49' 49	7°32' 32	6°59' 59	19°35' 35	10°12' 12	17°40' 40	13°25' 25	11°42' 42	23°32' 32	11°17' 17	F 17
S 18	22 20 31	3°27'13	9°17' 15	15°43' 43	24°17' 17	1°28' 28	7°31' 31	6°59' 59	19°33' 33	10°11' 11	17°41' 41	13°18' 18	11°38' 38	23°39' 39	11°19' 19	S 18
S 19	22 24 28	4°25'24	24° 4	16°28' 28	25°31' 31	2° 6	7°29' 29	6°58' 58	19°31' 31	10°10' 10	17°42' 42	13°10' 10	11°35' 35	23°46' 46	11°20' 20	S 19
M20	22 28 24	5°23'36	8°15' 17	17°21' 21	26°45' 45	2°44' 44	7°28' 28	6°57' 57	19°29' 29	10° 9	17°43' 43	13° 2	11°32' 32	23°52' 52	11°22' 22	M20
T 21	22 32 21	6°21'49	23°46' 46	18°22' 22	27°58' 58	3°22' 22	7°27' 27	6°56' 56	19°26' 26	10° 9	17°44' 44	12°56' 56	11°29' 29	23°59' 59	11°23' 23	T 21
W22	22 36 17	7°20'05	8°12' 24	19°29' 29	29°12' 12	4° 1	7°26' 26	6°55' 55	19°24' 24	10° 8	17°45' 45	12°50' 50	11°26' 26	24° 6	11°25' 25	W22
T 23	22 40 14	8°18'21	22°45' 45	20°43' 43	0°12' 26	4°39' 39	7°26' 26	6°53' 53	19°22' 22	10° 7	17°46' 46	12°47' 47	11°23' 23	24°13' 13	11°26' 26	T 23
F 24	22 44 10	9°16'40	6°14' 48	22° 2	1°40' 40	5°17' 17	7°26' 26	6°52' 52	19°20' 20	10° 7	17°47' 47	12°D46' 46	11°19' 19	24°19' 19	11°27' 27	F 24
S 25	22 48 7	10°15'00	20°31' 31	23°28' 28	2°54' 54	5°56' 56	7°D25' 25	6°51' 51	19°17' 17	10° 6	17°48' 48	12°46' 46	11°16' 16	24°26' 26	11°29' 29	S 25
S 26	22 52 4	11°13'21	3°35' 56	24°58' 58	4° 7	6°34' 34	7°25' 25	6°49' 49	19°15' 15	10° 5	17°50' 50	12°47' 47	11°13' 13	24°33' 33	11°30' 30	S 26
M27	22 56 0	12°11'44	17° 5	26°32' 32	5°21' 21	7°12' 12	7°26' 26	6°47' 47	19°13' 13	10° 5	17°51' 51	12°R47' 47	11°10' 10	24°39' 39	11°31' 31	M27
T 28	22 59 57	13°10'09	29°59' 59	28°10' 10	6°35' 35	7°51' 51	7°26' 26	6°45' 45	19°11' 11	10° 4	17°52' 52	12°46' 46	11° 7	24°46' 46	11°32' 32	T 28
W29	23 3 53	14° 8'36	12°12' 31	29°51' 51	7°48' 48	8°29' 29	7°27' 27	6°44' 44	19° 9	10° 4	17°53' 53	12°42' 42	11° 4	24°53' 53	11°33' 33	W29
T 30	23 7 50	15° 7'04	25°12' 12	17°35' 35	9° 2	9° 7	7°27' 27	6°42' 42	19° 7	10° 3	17°55' 55	12°36' 36	11° 0	25° 0	11°34' 34	T 30
F 31	23 11 46	16°17'53	7°18' 34	3°17' 21	10°16' 16	9°17' 46	7°28' 28	6°39' 39	19°15' 15	10° 3	17°56' 56	12°27' 27	10°57' 57	25°Y 6	11°II 35	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	15n46	21s 8	1s42	10n 2	4s43	11n39	1n27	15n44	1n 9	23s31	0s17	11n29	2s31	15s30	0s45	22s19
T 2	15 28	18 40	2 45	10 23	4 38	11 11	1 26	15 32	1 9	23 31	0 17	11 29	2 32	15 31	0 45	22 19
F 3	15 11	15 21	3 39	10 45	4 31	10 44	1 26	15 19	1 9	23 32	0 17	11 29	2 32	15 31	0 45	22 19
S 4	14 53	11 25	4 21	11 9	4 23	10 16	1 25	15 7	1 8	23 32	0 17	11 29	2 32	15 32	0 45	22 19
S 5	14 34	7 5	4 50	11 34	4 12	9 47	1 25	14 54	1 8	23 32	0 17	11 29	2 32	15 33	0 45	22 19
M 6	14 16	2 31	5 7	11 59	4 0	9 19	1 24	14 41	1 8	23 33	0 17	11 29	2 33	15 34	0 45	22 19
T 7	13 57	2n 5	5 9	12 25	3 47	8 50	1 23	14 29	1 8	23 33	0 17	11 29	2 33	15 35	0 45	22 20
W 8	13 38	6 36	4 58	12 50	3 32	8 21	1 22	14 16	1 8	23 33	0 17	11 29	2 33	15 35	0 45	22 20
T 9	13 18	10 51	4 35	13 15	3 16	7 52	1 21	14 3	1 8	23 34	0 17	11 29	2 33	15 36	0 45	22 20
F 10	12 59	14 44	3 59	13 39	2 59	7 22	1 20	13 50	1 8	23 34	0 17	11 29	2 34	15 37	0 45	22 20
S 11	12 39	18 4	3 13	14 1	2 42	6 53	1 19	13 36	1 8	23 34	0 18	11 28	2 34	15 38	0 45	22 20
S 12	12 19	20 39	2 16	14 22	2 24	6 23	1 18	13 23	1 8	23 34	0 18	11 28	2 34	15 38	0 45	22 20
M13	11 59	22 18	1 12	14 41	2 5	5 53	1 17	13 10	1 8	23 35	0 18	11 28	2 34	15 39	0 45	22 20
T 14	11 39	22 49	0 2	14 57	1 47	5 23	1 15	12 56	1 7	23 35	0 18	11 27	2 35	15 40	0 45	22 20
W15	11 19	22 2	1n10	15 11	1 28	4 52	1 14	12 43	1 7	23 35	0 18	11 27	2 35	15 41	0 45	22 20
T 16	10 58	19 55	2 19	15 23	1 10	4 22	1 13	12 29	1 7	23 35	0 18	11 27	2 35	15 41	0 45	22 20
F 17	10 37	16 31	3 23	15 31	0 53	3 51	1 11	12 15	1 7	23 35	0 18	11 26	2 35	15 42	0 45	22 21
S 18	10 16	12 2	4 14	15 36	0 35	3 21	1 10	12 2	1 7	23 36	0 18	11 26	2 36	15 43	0 45	22 21
S 19	9 55	6 47	4 49	15 39	0 19	2 50	1 8	11 48	1 7	23 36	0 18	11 25	2 36	15 43	0 45	22 21
M20	9 34	1 7	5 5	15 37	0 3	2 19	1 6	11 34	1 7	23 36	0 18	11 25	2 36	15 44	0 45	22 21
T 21	9 12	4s35	5 1	15 33	0n11	1 48	1 5	11 20	1 7	23 36	0 18	11 24	2 36	15 45	0 45	22 21
W22	8 50	9 59	4 36	15 25	0 25	1 17	1 3	11 6	1 7	23 36	0 18	11 24	2 37	15 46	0 45	22 21
T 23	8 29	14 43	3 55	15 14	0 38	0 46	1 1	10 52	1 6	23 36	0 19	11 23	2 37	15 46	0 45	22 21
F 24	8 7	18 32	3 0	14 59	0 50	0 15	0 59	10 37	1 6	23 36	0 19	11 22	2 37	15 47	0 45	22 21
S 25	7 45	21 14	1 56	14 41	1 1	0s17	0 57	10 23	1 6	23 36	0 19	11 22	2 37	15 48	0 45	22 21
S 26	7 23	22 40	0 47	14 20	1 10	0 48	0 55	10 9	1 6	23 36	0 19	11 21	2 37	15 48	0 45	22 21
M27	7 0	22 47	0s23	13 56	1 19	1 19	0 53	9 54	1 6	23 36	0 19	11 20	2 38	15 49	0 45	22 21
T 28	6 38	21 41	1 30	13 29	1 26	1 50	0 51	9 40	1 6	23 37	0 19	11 19	2 38	15 50	0 45	22 21
W29	6 15	19 29	2 32	13 0	1 32	2 21	0 49	9 25	1 6	23 37	0 19	11 18	2 38	15 50	0 45	22 22
T 30	5 53	16 23	3 26	12 28	1 38	2 52	0 47	9 11	1 5	23 37	0 19	11 18	2 38	15 51	0 45	22 22
F 31	5n30	12s36	4s 9	11n53	1n42	3s23	0n45	8n56	1n 5	23s37	0s19	11n17	2s39	15s51	0s45	22s22

Julian Day Number = 2268414.5, Delta T = 294.69 sec

ASTRODIENST EPHEMERIS for the year 1498

geocentric

SEPTEMBER 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 15 43	17 ^h 4'05	19 ^h 48	5 ^h 9	11 ^h 29	10 ^h 24	7 ^h 29	6 ^h 37	19 ^h 3	10 ^h 2	17 ^h 57	12 ^h 16	10 ^h 54	25 ^h 13	11 ^h 35	S 1
S 2	23 19 39	18° 2'39	1 ^h 53	6° 58	12° 43	11° 3	7° 31	6 ^h 35	19 ^h 1	10 ^h 2	17° 59	12 ^h 3	10° 51	25° 20	11° 36	S 2
M 3	23 23 36	19° 1'15	13° 52	8° 48	13° 57	11° 41	7° 32	6° 33	18° 59	10° 2	18° 0	11° 51	10° 48	25° 27	11° 36	M 3
T 4	23 27 33	19° 59'53	25° 46	10° 39	15° 10	12° 19	7° 34	6° 30	18° 57	10° 1	18° 2	11° 40	10° 44	25° 33	11° 37	T 4
W 5	23 31 29	20° 58'33	7 ^h 37	12° 30	16° 24	12° 58	7° 36	6° 28	18° 55	10° 1	18° 3	11° 30	10° 41	25° 40	11° 37	W 5
T 6	23 35 26	21° 57'15	19° 28	14° 21	17° 38	13° 36	7° 38	6° 25	18° 53	10° 1	18° 5	11° 23	10° 38	25° 47	11° 38	T 6
F 7	23 39 22	22° 55'59	1 ^h 22	16° 13	18° 51	14° 15	7° 40	6° 22	18° 51	10° 1	18° 6	11° 19	10° 35	25° 53	11° 38	F 7
S 8	23 43 19	23° 54'46	13° 25	18° 4	20° 5	14° 53	7° 43	6° 19	18° 49	10° 1	18° 8	11° 16	10° 32	26° 0	11° 38	S 8
S 9	23 47 15	24° 53'35	25° 40	19° 54	21° 18	15° 32	7° 46	6° 16	18° 47	10° 0	18° 10	11° 16	10° 29	26° 7	11° 38	S 9
M10	23 51 12	25° 52'26	8 ^h 14	21° 45	22° 32	16° 10	7° 48	6° 13	18° 46	10° 0	18° 11	11° 16	10° 25	26° 14	11° 38	M10
T 11	23 55 8	26° 51'20	21° 10	23° 34	23° 46	16° 49	7° 51	6° 10	18° 44	10° 0	18° 13	11° 16	10° 22	26° 20	11° 38	T 11
W12	23 59 5	27° 50'16	4 ^h 34	25° 23	24° 59	17° 27	7° 55	6° 7	18° 42	10° 0	18° 15	11° 14	10° 19	26° 27	11° 38	W12
T 13	0 3 2	28° 49'14	18° 27	27° 11	26° 13	18° 6	7° 58	6° 4	18° 41	10° 0	18° 16	11° 10	10° 16	26° 34	11° 38	T 13
F 14	0 6 58	29° 48'14	2 ^h 49	28° 59	27° 26	18° 44	8° 2	6° 0	18° 39	10° 0	18° 18	11° 3	10° 13	26° 40	11° 38	F 14
S 15	0 10 55	0 ^h 47'17	17° 36	0 ^h 45	28° 40	19° 23	8° 5	5° 57	18° 37	10° 0	18° 20	10° 53	10° 9	26° 47	11° 37	S 15
S 16	0 14 51	1° 46'22	2 ^h 42	2° 31	29° 53	20° 2	8° 9	5° 54	18° 36	10° 0	18° 22	10° 43	10° 6	26° 54	11° 37	S 16
M17	0 18 48	2° 45'28	17° 55	4° 16	1 ^h 7	20° 40	8° 14	5° 50	18° 34	10° 0	18° 23	10° 31	10° 3	27° 1	11° 36	M17
T 18	0 22 44	3° 44'37	3 ^h 6	6° 1	2° 20	21° 19	8° 18	5° 46	18° 33	10° 1	18° 25	10° 21	10° 0	27° 7	11° 36	T 18
W19	0 26 41	4° 43'48	18° 3	7° 44	3° 34	21° 57	8° 22	5° 42	18° 31	10° 1	18° 27	10° 13	9° 57	27° 14	11° 35	W19
T 20	0 30 37	5° 43'00	2 ^h 40	9° 27	4° 47	22° 36	8° 27	5° 39	18° 30	10° 1	18° 29	10° 8	9° 54	27° 21	11° 35	T 20
F 21	0 34 34	6° 42'15	16° 53	11° 8	6° 1	23° 15	8° 32	5° 35	18° 29	10° 1	18° 31	10° 5	9° 50	27° 27	11° 34	F 21
S 22	0 38 30	7° 41'31	0 ^h 39	12° 49	7° 14	23° 53	8° 37	5° 31	18° 27	10° 2	18° 33	10° 4	9° 47	27° 34	11° 33	S 22
S 23	0 42 27	8° 40'49	14° 1	14° 30	8° 27	24° 32	8° 42	5° 27	18° 26	10° 2	18° 35	10° 4	9° 44	27° 41	11° 32	S 23
M24	0 46 24	9° 40'09	27° 2	16° 9	9° 41	25° 11	8° 47	5° 23	18° 25	10° 2	18° 37	10° 3	9° 41	27° 48	11° 31	M24
T 25	0 50 20	10° 39'30	9 ^h 45	17° 48	10° 54	25° 49	8° 53	5° 19	18° 24	10° 3	18° 39	10° 1	9° 38	27° 54	11° 30	T 25
W26	0 54 17	11° 38'54	22° 14	19° 26	12° 7	26° 28	8° 59	5° 14	18° 23	10° 3	18° 41	9° 56	9° 35	28° 1	11° 29	W26
T 27	0 58 13	12° 38'19	4 ^h 32	21° 3	13° 21	27° 7	9° 4	5° 10	18° 21	10° 4	18° 43	9° 49	9° 31	28° 8	11° 27	T 27
F 28	1 2 10	13° 37'46	16° 42	22° 39	14° 34	27° 46	9° 10	5° 6	18° 20	10° 4	18° 45	9° 38	9° 28	28° 14	11° 26	F 28
S 29	1 6 6	14° 37'15	28° 45	24° 15	15° 47	28° 24	9° 17	5° 2	18° 19	10° 5	18° 47	9° 25	9° 25	28° 21	11° 25	S 29
S 30	1 10 3	15 ^h 36'46	10 ^h 43	25 ^h 51	17 ^h 1	29 ^h 3	9 ^h 23	4 ^h 57	18 ^h 18	10 ^h 5	18 ^h 49	9 ^h 11	9 ^h 22	28 ^h 28	11 ^h 23	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
S 1	5n 7	8s20	4s39	11n17	1n45	3s54	0n42	8n41	1n 5	23s37	0s19	11n16	2s39	15s52	0s45	22s22	0n46	3s58	13n47	22n56	23n 3	5n 8	17n39	4s37			
S 2	4 44	3 47	4 57	10 39	1 48	4 25	0 40	8 27	1 5	23 37	0 19	11 15	2 39	15 53	0 45	22 22	0 46	3 58	13 47	22 57	23 4	5 11	17 39	4 38			
M 3	4 21	0n51	5 2	9 59	1 49	4 56	0 38	8 12	1 5	23 37	0 19	11 14	2 39	15 53	0 45	22 22	0 46	3 59	13 46	22 58	23 4	5 14	17 38	4 38			
T 4	3 58	5 26	4 53	9 18	1 50	5 27	0 35	7 57	1 5	23 37	0 19	11 13	2 39	15 54	0 45	22 22	0 46	4 0	13 46	22 59	23 4	5 16	17 38	4 39			
W 5	3 35	9 48	4 32	8 35	1 50	5 58	0 33	7 42	1 4	23 37	0 19	11 12	2 40	15 54	0 45	22 22	0 46	4 1	13 46	23 0	23 4	5 19	17 38	4 39			
T 6	3 12	13 49	3 58	7 51	1 50	6 28	0 30	7 27	1 4	23 36	0 19	11 11	2 40	15 55	0 45	22 22	0 46	4 2	13 45	23 1	23 5	5 21	17 37	4 40			
F 7	2 49	17 19	3 15	7 7	1 48	6 59	0 28	7 12	1 4	23 36	0 20	11 10	2 40	15 56	0 45	22 22	0 46	4 3	13 45	23 1	23 5	5 24	17 37	4 40			
S 8	2 25	20 7	2 22	6 22	1 46	7 29	0 25	6 57	1 4	23 36	0 20	11 9	2 40	15 56	0 45	22 22	0 46	4 3	13 44	23 1	23 5	5 27	17 36	4 41			
S 9	2 2	22 4	1 22	5 36	1 44	7 59	0 22	6 42	1 4	23 36	0 20	11 7	2 40	15 57	0 45	22 22	0 45	4 4	13 44	23 1	23 5	5 29	17 36	4 41			
M10	1 39	22 59	0 16	4 50	1 41	8 29	0 20	6 27	1 4	23 36	0 20	11 6	2 41	15 57	0 45	22 22	0 45	4 5	13 43	23 1	23 6	5 32	17 36	4 41			
T 11	1 15	22 42	0n52	4 3	1 37	8 59	0 17	6 12	1 3	23 36	0 20	11 5	2 41	15 58	0 45	22 22	0 45	4 6	13 43	23 2	23 6	5 35	17 35	4 42			
W12	0 52	21 7	2 0	3 16	1 34	9 28	0 14	5 56	1 3	23 36	0 20	11 4	2 41	15 58	0 45	22 22	0 45	4 7	13 43	23 2	23 6	5 37	17 35	4 42			
T 13	0 28	18 14	3 3	2 29	1 29	9 58	0 12	5 41	1 3	23 36	0 20	11 3	2 41	15 59	0 45	22 22	0 45	4 8	13 42	23 2	23 6	5 40	17 34	4 43			
F 14	0 5	14 11	3 57	1 42	1 25	10 27	0 9	5 26	1 3	23 36	0 20	11 1	2 41	15 59	0 45	22 22	0 45	4 8	13 42	23 3	23 7	5 43	17 34	4 43			
S 15	0s19	9 9	4 36	0 55	1 20	10 56	0 6	5 10	1 3	23 35	0 20	11 0	2 41	16 0	0 45	22 22	0 45	4 9	13 41	23 3	23 7	5 45	17 33	4 44			
S 16	0 42	3 28	4 57	0 8	1 15	11 25	0 3	4 55	1 2	23 35	0 20	10 59	2 42	16 0	0 45	22 22	0 45	4 10	13 41	23 4	23 7	5 48	17 33	4 44			
M17	1 6	2s28	4 58	0s39	1 9	11 53	0 0	4 40	1 2	23 35	0 20	10 58	2 42	16 1	0 45	22 22	0 45	4 11	13 40	23 5	23 7	5 50	17 32	4 45			
T 18	1 30	8 14	4 37	1 25	1 4	12 21	0s 2	4 24	1 2	23 35	0 20	10 56	2 42	16 1	0 45	22 23	0 45	4 12	13 40	23 6	23 8	5 53	17 32	4 45			
W19	1 53	13 27	3 58	2 12	0 58	12 49	0 5	4 9	1 2	23 35	0 20	10 55	2 42	16 1	0 45	22 23	0 45	4 13	13 40	23 7	23 8	5 56	17 31	4 46			
T 20	2 17	17 45	3 4	2 58	0 52	13 17	0 8	3 53	1 2	23 34	0 20	10 53	2 42	16 2	0 45	22 23	0 45	4 14	13 39	23 7	23 8	5 58	17 31	4 46			
F 21	2 40	20 53	1 59	3 43	0 45	13 44	0 11	3 38	1 1	23 34	0 20	10 52	2 42	16 2	0 45	22 23	0 45	4 14	13 39	23 7	23 8	6 1	17 30	4 46			
S 22	3 4	22 41	0 50	4 29	0 39	14 11	0 14	3 22	1 1	23 34	0 20	10 51	2 42	16 3	0 45	22 23	0 45	4 15	13 39	23 7	23 9	6 4	17 30	4 47			
S 23	3 27	23 7	0s21	5 14	0 33	14 38	0 17	3 7	1 1	23 33	0 20	10 49	2 42	16 3	0 45	22 23	0 45	4 16	13 38	23 7	23 9	6 6	17 29	4 47			
M24	3 50	22 15	1 28	5 58	0 26	15 4	0 20	2 51	1 1	23 33	0 21	10 48	2 43	16 3	0 45	22 23	0 45	4 17	13 38	23 7	23 9	6 9	17 28	4 48			
T 25	4 14	20 16	2 30	6 42	0 19	15 30	0 23	2 35	1 1	23 33	0 21	10 46	2 43	16 4	0 45	22 23	0 45	4 18	13 38	23 7	23 9	6 11	17 28	4 48			
W26	4 37	17 20	3 23	7 26	0 13	15 56	0 26	2 20	1 0	23 33	0 21	10 45	2 43	16 4	0 45	22 23	0 45	4 19	13 37	23 8	23 9	6 14	17 27	4 49			
T 27	5 0	13 41	4 5	8 9	0 6	16 21	0 29	2 4	1 0	23 32	0 21	10 43	2 43	16 4	0 45	22 23	0 45	4 19	13 37	23 8	23 10	6 17	17 27	4 49			
F 28	5 24	9 30	4 36	8 51	0s 1	16 46	0 32	1 48	1 0	23 32	0 21	10 42	2 43	16 5	0 45	22 23	0 45	4 20	13 37	23 9	23 10	6 19	17 26	4 49			
S 29	5 47	5 0	4 54	9 33	0 8	17 10	0 35	1 33	1 0	23 31	0 21	10 40	2 43	16 5	0 44	22 23	0 45	4 21	13 36	23 10	23 10	6 22	17 25	4 50			
S 30	6s10	0s20	4s59	10s14	0s15	17s34	0s38	1n17	0n59	23s31	0s21	10n39	2s43	16s 5	0s44	22s23	0n45	4s22	13n36	23n11	23n10	6n25	17n25	4s50			

ASTRODIENST EPHEMERIS for the year 1498

geocentric

OCTOBER 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	1 13 59	16♂36'19	22♂37	27♂25	18♂14	29♂42	9♂29	4°R53	18°R18	10♂6	18♂51	8°R56	9♂19	28♂35	11°R22	M 1
T 2	1 17 56	17°35'54	4♂29	28°59	19°27	0♂21	9°36	4♂48	18°17	10°6	18°53	8♂43	9°15	28°41	11°II20	T 2
W 3	1 21 53	18°35'31	16°20	0♂32	20°40	1°0	9°43	4°44	18°16	10°7	18°55	8°31	9°12	28°48	11°19	W 3
T 4	1 25 49	19°35'10	28°13	2°5	21°53	1°39	9°50	4°39	18°15	10°8	18°57	8°23	9°9	28°55	11°17	T 4
F 5	1 29 46	20°34'52	10♂8	3°37	23°7	2°17	9°57	4°34	18°14	10°8	19°0	8°17	9°6	29°1	11°15	F 5
S 6	1 33 42	21°34'36	22°11	5°8	24°20	2°56	10°4	4°30	18°14	10°9	19°2	8°14	9°3	29°8	11°13	S 6
S 7	1 37 39	22°34'22	4♂26	6°39	25°33	3°35	10°12	4°25	18°13	10°10	19°4	8°D13	9°0	29°15	11°11	S 7
M 8	1 41 35	23°34'10	16°56	8°10	26°46	4°14	10°19	4°20	18°12	10°11	19°6	8°13	8°56	29°22	11°9	M 8
T 9	1 45 32	24°34'01	29°47	9°39	27°59	4°53	10°27	4°16	18°12	10°12	19°8	8°R13	8°53	29°28	11°7	T 9
W10	1 49 28	25°33'53	13♂4	11°9	29°12	5°32	10°35	4°11	18°11	10°12	19°11	8°12	8°50	29°35	11°5	W10
T 11	1 53 25	26°33'49	26°49	12°37	0♂25	6°11	10°43	4°6	18°11	10°13	19°13	8°8	8°47	29°42	11°3	T 11
F 12	1 57 22	27°33'46	11♂3	14°5	1°38	6°50	10°51	4°1	18°11	10°14	19°15	8°2	8°44	29°48	11°1	F 12
S 13	2 1 18	28°33'45	25°46	15°33	2°51	7°29	10°59	3°56	18°10	10°15	19°17	7°54	8°41	29°55	10°58	S 13
S 14	2 5 15	29°33'47	10♂51	16°59	4°4	8°8	11°7	3°52	18°10	10°16	19°20	7°44	8°37	0♂2	10°56	S 14
M15	2 9 11	0♂33'50	26°9	18°26	5°17	8°47	11°16	3°47	18°10	10°17	19°22	7°34	8°34	0°9	10°54	M15
T 16	2 13 8	1°33'56	11♂29	19°51	6°30	9°26	11°25	3°42	18°9	10°18	19°24	7°24	8°31	0°15	10°51	T 16
W17	2 17 4	2°34'03	26°39	21°16	7°43	10°5	11°33	3°37	18°9	10°20	19°27	7°17	8°28	0°22	10°49	W17
T 18	2 21 1	3°34'12	11♂31	22°40	8°56	10°44	11°42	3°32	18°9	10°21	19°29	7°11	8°25	0°29	10°46	T 18
F 19	2 24 57	4°34'23	25°56	24°3	10°9	11°24	11°51	3°27	18°D 9	10°22	19°31	7°9	8°21	0°35	10°43	F 19
S 20	2 28 54	5°34'36	9♂53	25°25	11°21	12°3	12°1	3°22	18°9	10°23	19°34	7°D 8	8°18	0°42	10°41	S 20
S 21	2 32 51	6°34'50	23°23	26°46	12°34	12°42	12°10	3°18	18°9	10°24	19°36	7°9	8°15	0°49	10°38	S 21
M22	2 36 47	7°35'05	6♂26	28°7	13°47	13°21	12°19	3°13	18°9	10°25	19°38	7°R10	8°12	0°56	10°35	M22
T 23	2 40 44	8°35'22	19°8	29°26	15°0	14°0	12°29	3°8	18°10	10°27	19°41	7°9	8°9	1°2	10°32	T 23
W24	2 44 40	9°35'41	1♂33	0♂44	16°12	14°39	12°39	3°3	18°10	10°28	19°43	7°6	8°6	1°9	10°29	W24
T 25	2 48 37	10°36'01	13°44	2°0	17°25	15°19	12°48	2°58	18°10	10°29	19°45	7°1	8°2	1°16	10°26	T 25
F 26	2 52 33	11°36'22	25°47	3°15	18°38	15°58	12°58	2°53	18°10	10°31	19°48	6°54	7°59	1°22	10°23	F 26
S 27	2 56 30	12°36'45	7°43	4°28	19°50	16°37	13°8	2°49	18°11	10°32	19°50	6°45	7°56	1°29	10°20	S 27
S 28	3 0 26	13°37'09	19°36	5°40	21°3	17°16	13°18	2°44	18°11	10°34	19°53	6°34	7°53	1°36	10°17	S 28
M29	3 4 23	14°37'35	1♂28	6°49	22°15	17°56	13°29	2°39	18°12	10°35	19°55	6°24	7°50	1°43	10°14	M29
T 30	3 8 20	15°38'02	13°21	7°55	23°28	18°35	13°39	2°35	18°12	10°36	19°57	6°14	7°46	1°49	10°11	T 30
W31	3 12 16	16♂38'32	25♂15	8♂59	24♂40	19♂14	13♂49	2♂30	18°13	10♂38	20♂0	6♂5	7♂43	1♂56	10♂II 8	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	6s33	4n19	4s51	10s55	0s22	17s58	0s41	1n 1	0n59	23s31	0s21	10n37	2s43	16s 5	0s44	22s23
T 2	6 56	8 48	4 30	11 35	0 29	18 21	0 44	0 46	0 59	23 30	0 21	10 36	2 43	16 6	0 44	22 23
W 3	7 18	12 58	3 58	12 15	0 35	18 43	0 47	0 30	0 59	23 30	0 21	10 34	2 43	16 6	0 44	22 23
T 4	7 41	16 39	3 15	12 53	0 42	19 5	0 50	0 14	0 58	23 29	0 21	10 32	2 43	16 6	0 44	22 23
F 5	8 4	19 41	2 23	13 31	0 49	19 27	0 53	0s 2	0 58	23 29	0 21	10 31	2 43	16 6	0 44	22 23
S 6	8 26	21 53	1 24	14 9	0 56	19 48	0 56	0 17	0 58	23 28	0 21	10 29	2 44	16 7	0 44	22 22
S 7	8 48	23 6	0 20	14 45	1 2	20 9	0 59	0 33	0 58	23 28	0 21	10 28	2 44	16 7	0 44	22 22
M 8	9 11	23 11	0n46	15 21	1 9	20 29	1 1	0 49	0 57	23 27	0 21	10 26	2 44	16 7	0 44	22 22
T 9	9 33	22 4	1 52	15 56	1 15	20 48	1 4	1 4	0 57	23 27	0 21	10 24	2 44	16 7	0 44	22 22
W10	9 55	19 43	2 54	16 30	1 22	21 7	1 7	1 20	0 57	23 26	0 21	10 23	2 44	16 7	0 44	22 22
T 11	10 16	16 10	3 48	17 4	1 28	21 26	1 10	1 36	0 56	23 26	0 21	10 21	2 44	16 7	0 44	22 22
F 12	10 38	11 36	4 30	17 36	1 34	21 44	1 13	1 52	0 56	23 25	0 21	10 20	2 44	16 7	0 44	22 22
S 13	11 0	6 12	4 56	18 8	1 40	22 1	1 15	2 7	0 56	23 24	0 21	10 18	2 44	16 7	0 44	22 22
S 14	11 21	0 19	5 2	18 38	1 45	22 18	1 18	2 23	0 56	23 24	0 22	10 16	2 44	16 7	0 44	22 22
M15	11 42	5s40	4 47	19 8	1 51	22 34	1 21	2 39	0 55	23 23	0 22	10 15	2 44	16 7	0 44	22 22
T 16	12 3	11 20	4 11	19 37	1 56	22 49	1 24	2 54	0 55	23 22	0 22	10 13	2 44	16 8	0 44	22 22
W17	12 24	16 15	3 18	20 5	2 2	23 4	1 26	3 10	0 55	23 22	0 22	10 11	2 44	16 8	0 44	22 22
T 18	12 44	20 3	2 12	20 32	2 7	23 19	1 29	3 26	0 54	23 21	0 22	10 10	2 44	16 8	0 44	22 22
F 19	13 5	22 27	0 59	20 57	2 11	23 32	1 31	3 41	0 54	23 20	0 22	10 8	2 44	16 8	0 44	22 22
S 20	13 25	23 23	0s15	21 22	2 16	23 45	1 34	3 57	0 54	23 19	0 22	10 7	2 44	16 7	0 44	22 22
S 21	13 45	22 53	1 26	21 45	2 20	23 57	1 36	4 12	0 54	23 19	0 22	10 5	2 44	16 7	0 44	22 22
M22	14 5	21 8	2 30	22 8	2 24	24 9	1 39	4 28	0 53	23 18	0 22	10 3	2 43	16 7	0 44	22 22
T 23	14 24	18 22	3 25	22 29	2 27	24 20	1 41	4 44	0 53	23 17	0 22	10 2	2 43	16 7	0 44	22 22
W24	14 44	14 49	4 9	22 48	2 30	24 30	1 43	4 59	0 53	23 16	0 22	10 0	2 43	16 7	0 44	22 22
T 25	15 3	10 43	4 41	23 7	2 33	24 40	1 46	5 14	0 52	23 15	0 22	9 59	2 43	16 7	0 44	22 22
F 26	15 21	6 16	4 59	23 24	2 35	24 48	1 48	5 30	0 52	23 14	0 22	9 57	2 43	16 7	0 44	22 21
S 27	15 40	1 36	5 5	23 40	2 37	24 56	1 50	5 45	0 52	23 13	0 22	9 56	2 43	16 7	0 44	22 21
S 28	15 58	3n 6	4 57	23 54	2 38	25 4	1 52	6 1	0 51	23 12	0 22	9 54	2 43	16 7	0 44	22 21
M29	16 16	7 41	4 37	24 7	2 39	25 10	1 54	6 16	0 51	23 11	0 22	9 53	2 43	16 6	0 43	22 21
T 30	16 34	12 0	4 4	24 18	2 39	25 16	1 56	6 31	0 51	23 10	0 22	9 51	2 43	16 6	0 43	22 21
W31	16s51	15n53	3s21	24s28	2s39	25s21	1s58	6s47	0n50	23s 9	0s22	9n50	2s43	16s 6	0s43	22s21

Julian Day Number = 2268475.5, Delta T = 294.33 sec

Ecliptic obliquity = 23°30'15", Nutation = - 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'48", Lahiri = 16°51'48" Julian Calendar 1 Oct. 1498 == Greg. Calendar 10 Oct. 1498

ASTRODIENST EPHEMERIS for the year 1498
geocentric

NOVEMBER 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 16 13	17 ¹⁷ 39'02	7 ¹¹ 13	9 ²⁷ 59	25 ²⁷ 53	19 ¹⁵ 54	14 ³⁰ 0	2°R25	18 ²² 13	10 ³⁰ 39	20 ¹⁸ 2	5°R59	7 ²⁵ 40	2 ¹⁸ 3	10°R 4	T 1
F 2	3 20 9	18°39'35	19°16	10°56	27° 5	20°33	14°11	2 ¹⁸ 21	18°14	10°41	20° 5	5 ²⁵ 55	7°37	2° 9	10 ¹¹ 1	F 2
S 3	3 24 6	19°40'09	1 ²⁵ 27	11°49	28°17	21°13	14°22	2°16	18°15	10°43	20° 7	5°D53	7°34	2°16	9°58	S 3
S 4	3 28 2	20°40'45	13°48	12°38	29°29	21°52	14°32	2°12	18°16	10°44	20° 9	5°54	7°31	2°23	9°54	S 4
M 5	3 31 59	21°41'23	26°22	13°21	0 ³⁰ 41	22°31	14°43	2° 7	18°16	10°46	20°12	5°55	7°27	2°30	9°51	M 5
T 6	3 35 55	22°42'02	9 ²⁰ 13	13°58	1°54	23°11	14°54	2° 3	18°17	10°47	20°14	5°56	7°24	2°36	9°48	T 6
W 7	3 39 52	23°42'43	22°26	14°29	3° 6	23°50	15° 6	1°59	18°18	10°49	20°17	5°R57	7°21	2°43	9°44	W 7
T 8	3 43 49	24°43'25	6 ¹⁰ 27	14°53	4°18	24°30	15°17	1°54	18°19	10°51	20°19	5°56	7°18	2°50	9°41	T 8
F 9	3 47 45	25°44'10	20° 3	15° 8	5°30	25° 9	15°28	1°50	18°20	10°53	20°21	5°54	7°15	2°56	9°37	F 9
S 10	3 51 42	26°44'56	4 ¹⁵ 29	15°R15	6°42	25°49	15°40	1°46	18°21	10°54	20°24	5°50	7°12	3° 3	9°34	S 10
S 11	3 55 38	27°45'43	19°18	15°12	7°54	26°28	15°51	1°42	18°22	10°56	20°26	5°45	7° 8	3°10	9°30	S 11
M12	3 59 35	28°46'32	4 ¹⁸ 21	14°59	9° 5	27° 8	16° 3	1°38	18°24	10°58	20°29	5°39	7° 5	3°16	9°26	M12
T 13	4 3 31	29°47'23	19°31	14°35	10°17	27°48	16°15	1°34	18°25	11° 0	20°31	5°33	7° 2	3°23	9°23	T 13
W14	4 7 28	0 ²⁷ 48'14	4 ²⁷ 38	14° 0	11°29	28°27	16°27	1°30	18°26	11° 1	20°33	5°29	6°59	3°30	9°19	W14
T 15	4 11 24	1°49'07	19°31	13°14	12°40	29° 7	16°38	1°26	18°27	11° 3	20°36	5°26	6°56	3°37	9°16	T 15
F 16	4 15 21	2°50'02	4 ²³ 3	12°17	13°52	29°47	16°50	1°22	18°29	11° 5	20°38	5°D25	6°52	3°43	9°12	F 16
S 17	4 19 18	3°50'57	18°10	11°12	15° 3	0 ¹⁸ 26	17° 3	1°18	18°30	11° 7	20°40	5°26	6°49	3°50	9° 8	S 17
S 18	4 23 14	4°51'53	1 ²² 48	9°58	16°15	1° 6	17°15	1°15	18°32	11° 9	20°43	5°27	6°46	3°57	9° 5	S 18
M19	4 27 11	5°52'49	15° 0	8°39	17°26	1°46	17°27	1°11	18°33	11°11	20°45	5°29	6°43	4° 3	9° 1	M19
T 20	4 31 7	6°53'47	27°48	7°16	18°38	2°25	17°39	1° 8	18°35	11°13	20°47	5°30	6°40	4°10	8°57	T 20
W21	4 35 4	7°54'45	10 ¹⁰ 16	5°54	19°49	3° 5	17°52	1° 4	18°36	11°15	20°50	5°R31	6°37	4°17	8°54	W21
T 22	4 39 0	8°55'43	22°28	4°33	21° 0	3°45	18° 4	1° 1	18°38	11°17	20°52	5°30	6°33	4°24	8°50	T 22
F 23	4 42 57	9°56'43	4 ¹⁹ 29	3°18	22°11	4°25	18°17	0°58	18°40	11°19	20°54	5°28	6°30	4°30	8°46	F 23
S 24	4 46 53	10°57'43	16°23	2°10	23°22	5° 4	18°29	0°55	18°42	11°21	20°57	5°24	6°27	4°37	8°43	S 24
S 25	4 50 50	11°58'44	28°14	1°11	24°33	5°44	18°42	0°52	18°43	11°23	20°59	5°20	6°24	4°44	8°39	S 25
M26	4 54 47	12°59'45	10 ¹⁸ 5	0°23	25°43	6°24	18°54	0°49	18°45	11°25	21° 1	5°16	6°21	4°50	8°35	M26
T 27	4 58 43	14° 0'47	22° 0	29 ¹⁸ 45	26°54	7° 4	19° 7	0°46	18°47	11°27	21° 3	5°13	6°18	4°57	8°32	T 27
W28	5 2 40	15° 1'50	4 ¹¹ 0	29°19	28° 4	7°44	19°20	0°43	18°49	11°29	21° 6	5° 9	6°14	5° 4	8°28	W28
T 29	5 6 36	16° 2'53	16° 7	29° 4	29°15	8°24	19°33	0°40	18°51	11°31	21° 8	5° 7	6°11	5°11	8°24	T 29
F 30	5 10 33	17 ²⁷ 3'58	28 ¹¹ 23	28°D59	0 ²⁵	9 ¹⁸ 4	19 ³⁰ 46	0 ³⁸ 38	18 ²⁵ 53	11 ³⁰ 33	21 ¹⁸ 10	5 ²⁵ 6	6 ²⁵ 8	5 ¹⁷ 17	8 ¹¹ 21	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	17s 9	19n 8	2s28	24s36	2s37	25s26	2s 0	7s 2	0n50	23s 8	0s22	9n48	2s43	16s 6	0s43	22s21
F 2	17 25	21 36	1 29	24 42	2 35	25 30	2 1	7 17	0 50	23 7	0 22	9 47	2 42	16 6	0 43	22 21
S 3	17 42	23 6	0 24	24 47	2 32	25 33	2 3	7 32	0 49	23 6	0 23	9 45	2 42	16 5	0 43	22 21
S 4	17 58	23 30	0n43	24 50	2 29	25 35	2 5	7 47	0 49	23 5	0 23	9 44	2 42	16 5	0 43	22 21
M 5	18 14	22 43	1 49	24 50	2 24	25 36	2 6	8 2	0 48	23 4	0 23	9 42	2 42	16 5	0 43	22 21
T 6	18 30	20 44	2 51	24 49	2 18	25 37	2 8	8 17	0 48	23 3	0 23	9 41	2 42	16 4	0 43	22 20
W 7	18 45	17 37	3 45	24 46	2 11	25 37	2 9	8 32	0 48	23 1	0 23	9 40	2 42	16 4	0 43	22 20
T 8	19 0	13 30	4 29	24 40	2 2	25 36	2 10	8 47	0 47	23 0	0 23	9 38	2 42	16 4	0 43	22 20
F 9	19 15	8 31	4 59	24 32	1 52	25 35	2 11	9 2	0 47	22 59	0 23	9 37	2 41	16 3	0 43	22 20
S 10	19 29	2 57	5 10	24 22	1 41	25 32	2 12	9 17	0 47	22 58	0 23	9 36	2 41	16 3	0 43	22 20
S 11	19 43	2s55	5 2	24 9	1 28	25 29	2 14	9 31	0 46	22 56	0 23	9 35	2 41	16 3	0 43	22 20
M12	19 56	8 43	4 33	23 53	1 14	25 26	2 14	9 46	0 46	22 55	0 23	9 33	2 41	16 2	0 43	22 20
T 13	20 10	14 4	3 44	23 35	0 59	25 21	2 15	10 1	0 45	22 54	0 23	9 32	2 41	16 2	0 43	22 20
W14	20 22	18 30	2 40	23 14	0 42	25 16	2 16	10 15	0 45	22 52	0 23	9 31	2 41	16 1	0 43	22 20
T 15	20 35	21 40	1 26	22 50	0 23	25 10	2 17	10 30	0 45	22 51	0 23	9 30	2 40	16 1	0 43	22 19
F 16	20 47	23 19	0 7	22 23	0 4	25 3	2 17	10 44	0 44	22 49	0 23	9 29	2 40	16 1	0 43	22 19
S 17	20 59	23 25	1s 9	21 55	0n16	24 56	2 18	10 58	0 44	22 48	0 23	9 28	2 40	16 0	0 43	22 19
S 18	21 10	22 5	2 19	21 24	0 37	24 48	2 18	11 13	0 43	22 46	0 23	9 27	2 40	16 0	0 43	22 19
M19	21 21	19 34	3 20	20 52	0 57	24 39	2 18	11 27	0 43	22 45	0 23	9 25	2 40	15 59	0 43	22 19
T 20	21 31	16 9	4 9	20 19	1 17	24 30	2 19	11 41	0 43	22 43	0 23	9 24	2 39	15 59	0 43	22 19
W21	21 41	12 7	4 44	19 47	1 35	24 19	2 19	11 55	0 42	22 42	0 23	9 24	2 39	15 58	0 43	22 19
T 22	21 51	7 40	5 6	19 16	1 52	24 8	2 19	12 9	0 42	22 40	0 24	9 23	2 39	15 57	0 43	22 18
F 23	22 0	3 1	5 14	18 47	2 7	23 57	2 18	12 23	0 41	22 39	0 24	9 22	2 39	15 57	0 43	22 18
S 24	22 9	1n43	5 8	18 22	2 20	23 45	2 18	12 36	0 41	22 37	0 24	9 21	2 38	15 56	0 43	22 18
S 25	22 17	6 22	4 49	18 0	2 31	23 32	2 18	12 50	0 40	22 35	0 24	9 20	2 38	15 56	0 43	22 18
M26	22 25	10 48	4 18	17 42	2 39	23 18	2 17	13 4	0 40	22 34	0 24	9 19	2 38	15 55	0 43	22 18
T 27	22 33	14 51	3 36	17 28	2 45	23 4	2 17	13 17	0 39	22 32	0 24	9 18	2 38	15 55	0 43	22 18
W28	22 40	18 20	2 43	17 18	2 49	22 49	2 16	13 31	0 39	22 30	0 24	9 18	2 37	15 54	0 43	22 18
T 29	22 46	21 4	1 43	17 13	2 51	22 34	2 15	13 44	0 38	22 28	0 24	9 17	2 37	15 53	0 43	22 17
F 30	22s52	22n53	0s37	17s12	2n52	22s18	2s14	13s57	0n38	22s26	0s24	9n16	2s37	15s53	0s42	22s17

Julian Day Number = 2268506.5, Delta T = 294.15 sec

Ecliptic obliquity = 23°30'15, Nutation = - 0°00'19, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°44'52, Lahiri = 16°51'52 Julian Calendar 1 Nov. 1498 == Greg. Calendar 10 Nov. 1498

ASTRODIENST EPHEMERIS for the year 1498

geocentric

DECEMBER 1498 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 14 29	18° 5'02"	10° 49'	29° 19'	1° 35'	9° 44'	19° 35'	0° 35'	18° 55'	11° 35'	21° 12'	5° 06'	6° 05'	5° 24'	8° 17'	S 1
S 2	5 18 26	19° 6'08"	23° 26'	29° 19'	2° 45'	10° 23'	20° 12'	0° 33'	18° 57'	11° 37'	21° 15'	5° 07'	6° 02'	5° 31'	8° 13'	S 2
M 3	5 22 22	20° 7'14"	6° 01'15"	29° 42'	3° 55'	11° 03'	20° 25'	0° 31'	18° 59'	11° 40'	21° 17'	5° 08'	5° 58'	5° 37'	8° 10'	M 3
T 4	5 26 19	21° 8'21"	19° 18'	0° 12'	5° 05'	11° 43'	20° 38'	0° 28'	19° 01'	11° 42'	21° 19'	5° 09'	5° 55'	5° 44'	8° 06'	T 4
W 5	5 30 16	22° 9'29"	2° 17'37"	0° 49'	6° 15'	12° 23'	20° 52'	0° 26'	19° 04'	11° 44'	21° 21'	5° 11'	5° 52'	5° 51'	8° 03'	W 5
T 6	5 34 12	23° 10'38"	16° 13'	1° 33'	7° 24'	13° 03'	21° 05'	0° 24'	19° 06'	11° 46'	21° 23'	5° 11'	5° 49'	5° 57'	7° 59'	T 6
F 7	5 38 09	24° 11'47"	0° 02'17"	2° 21'	8° 34'	13° 44'	21° 18'	0° 22'	19° 08'	11° 48'	21° 25'	5° 11'	5° 46'	6° 04'	7° 56'	F 7
S 8	5 42 05	25° 12'56"	14° 17'	3° 15'	9° 43'	14° 24'	21° 32'	0° 21'	19° 10'	11° 51'	21° 27'	5° 11'	5° 43'	6° 11'	7° 52'	S 8
S 9	5 46 02	26° 14'07"	28° 43'	4° 13'	10° 52'	15° 04'	21° 45'	0° 19'	19° 13'	11° 53'	21° 29'	5° 10'	5° 39'	6° 18'	7° 49'	S 9
M10	5 49 58	27° 15'18"	13° 11'21"	5° 14'	12° 01'	15° 44'	21° 59'	0° 17'	19° 15'	11° 55'	21° 32'	5° 09'	5° 36'	6° 24'	7° 45'	M10
T 11	5 53 55	28° 16'30"	28° 06'	6° 19'	13° 10'	16° 24'	22° 12'	0° 16'	19° 18'	11° 57'	21° 34'	5° 08'	5° 33'	6° 31'	7° 42'	T 11
W12	5 57 51	29° 17'42"	12° 17'50"	7° 26'	14° 19'	17° 04'	22° 26'	0° 15'	19° 20'	11° 59'	21° 36'	5° 07'	5° 30'	6° 38'	7° 38'	W12
T 13	6 01 48	0° 31'18"	27° 27'	8° 36'	15° 27'	17° 44'	22° 39'	0° 13'	19° 23'	12° 02'	21° 38'	5° 07'	5° 27'	6° 44'	7° 35'	T 13
F 14	6 05 45	1° 20'07"	11° 35'11"	9° 48'	16° 36'	18° 25'	22° 53'	0° 12'	19° 25'	12° 04'	21° 40'	5° 07'	5° 24'	6° 51'	7° 32'	F 14
S 15	6 09 41	2° 21'20"	25° 55'	11° 03'	17° 44'	19° 05'	23° 07'	0° 11'	19° 28'	12° 06'	21° 42'	5° 07'	5° 20'	6° 58'	7° 29'	S 15
S 16	6 13 38	3° 22'32"	9° 36'16"	12° 19'	18° 52'	19° 45'	23° 21'	0° 10'	19° 31'	12° 08'	21° 43'	5° 07'	5° 17'	7° 05'	7° 25'	S 16
M17	6 17 34	4° 23'45"	22° 53'	13° 36'	20° 00'	20° 25'	23° 34'	0° 10'	19° 33'	12° 11'	21° 45'	5° 08'	5° 14'	7° 11'	7° 22'	M17
T 18	6 21 31	5° 24'57"	5° 14'47"	14° 55'	21° 07'	21° 06'	23° 48'	0° 09'	19° 36'	12° 13'	21° 47'	5° 08'	5° 11'	7° 18'	7° 19'	T 18
W19	6 25 27	6° 26'09"	18° 21'	16° 16'	22° 15'	21° 46'	24° 02'	0° 08'	19° 39'	12° 15'	21° 49'	5° 08'	5° 08'	7° 25'	7° 16'	W19
T 20	6 29 24	7° 27'20"	0° 17'36"	17° 37'	23° 22'	22° 26'	24° 16'	0° 08'	19° 41'	12° 17'	21° 51'	5° 07'	5° 04'	7° 31'	7° 13'	T 20
F 21	6 33 21	8° 28'31"	12° 39'	19° 00'	24° 29'	23° 06'	24° 30'	0° 08'	19° 44'	12° 20'	21° 53'	5° 07'	5° 01'	7° 38'	7° 10'	F 21
S 22	6 37 17	9° 29'42"	24° 34'	20° 23'	25° 36'	23° 47'	24° 44'	0° 07'	19° 47'	12° 22'	21° 55'	5° 08'	4° 58'	7° 45'	7° 07'	S 22
S 23	6 41 14	10° 30'52"	6° 38'25"	21° 48'	26° 42'	24° 27'	24° 58'	0° 07'	19° 50'	12° 24'	21° 56'	5° 08'	4° 55'	7° 51'	7° 04'	S 23
M24	6 45 10	11° 32'02"	18° 17'17"	23° 13'	27° 49'	25° 07'	25° 12'	0° 07'	19° 53'	12° 27'	21° 58'	5° 09'	4° 52'	7° 58'	7° 01'	M24
T 25	6 49 07	12° 33'11"	0° 11'13"	24° 39'	28° 55'	25° 48'	25° 26'	0° 07'	19° 56'	12° 29'	22° 00'	5° 09'	4° 49'	8° 05'	6° 58'	T 25
W26	6 53 03	13° 34'20"	12° 19'	26° 05'	0° 11'08"	26° 28'	25° 40'	0° 08'	19° 59'	12° 31'	22° 02'	5° 10'	4° 45'	8° 12'	6° 56'	W26
T 27	6 57 00	14° 35'28"	24° 35'	27° 33'	1° 06'	27° 09'	25° 54'	0° 08'	20° 01'	12° 33'	22° 03'	5° 11'	4° 42'	8° 18'	6° 53'	T 27
F 28	7 00 56	15° 36'36"	7° 05'15"	29° 01'	2° 11'	27° 49'	26° 08'	0° 08'	20° 04'	12° 36'	22° 05'	5° 11'	4° 39'	8° 25'	6° 50'	F 28
S 29	7 04 53	16° 37'44"	19° 50'	0° 32'29"	3° 16'	28° 30'	26° 22'	0° 09'	20° 07'	12° 38'	22° 06'	5° 11'	4° 36'	8° 32'	6° 48'	S 29
S 30	7 08 50	17° 38'51"	2° 02'49"	1° 59'	4° 21'	29° 10'	26° 36'	0° 10'	20° 11'	12° 40'	22° 08'	5° 10'	4° 33'	8° 38'	6° 45'	S 30
M31	7 12 46	18° 39'57"	16° 02'12"	3° 32'29"	5° 11'25"	29° 15'11"	26° 35'00"	0° 10'	20° 14'	12° 42'	22° 10'	5° 09'	4° 30'	8° 45'	6° 42'	M31

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
S 1	22s58	23n35	0n32	17s14	2n50	22s 2	2s13	14s10	0n38	22s25	0s24	9n16	2s37	15s52	0s42	22s17	0n43	5s 3	13n30	23n24	23n22	9n 7	16n42	5s 6	10s 5
S 2	23 3	23 6	1 40	17 19	2 48	21 44	2 12	14 23	0 37	22 23	0 24	9 15	2 36	15 51	0 42	22 17	0 43	5 4	13 30	23 24	23 22	9 10	16 42	5 6	10 5
M 3	23 8	21 24	2 44	17 28	2 44	21 27	2 11	14 36	0 37	22 21	0 24	9 15	2 36	15 51	0 42	22 17	0 43	5 4	13 31	23 24	23 22	9 13	16 41	5 6	10 5
T 4	23 12	18 34	3 41	17 38	2 40	21 8	2 10	14 49	0 36	22 19	0 24	9 14	2 36	15 50	0 42	22 17	0 43	5 4	13 31	23 24	23 22	9 15	16 40	5 6	10 5
W 5	23 16	14 43	4 27	17 51	2 35	20 50	2 8	15 2	0 36	22 17	0 24	9 14	2 36	15 49	0 42	22 16	0 43	5 5	13 31	23 24	23 22	9 18	16 40	5 6	10 5
T 6	23 20	10 3	5 0	18 6	2 29	20 30	2 6	15 15	0 35	22 15	0 24	9 13	2 35	15 48	0 42	22 16	0 43	5 5	13 31	23 24	23 23	9 20	16 39	5 6	10 5
F 7	23 23	4 47	5 16	18 22	2 22	20 10	2 5	15 27	0 35	22 13	0 24	9 13	2 35	15 48	0 42	22 16	0 43	5 5	13 31	23 24	23 23	9 23	16 39	5 6	10 5
S 8	23 25	0s50	5 13	18 39	2 15	19 50	2 3	15 40	0 34	22 11	0 25	9 12	2 35	15 47	0 42	22 16	0 43	5 6	13 31	23 24	23 23	9 26	16 38	5 6	10 5
S 9	23 27	6 31	4 51	18 57	2 8	19 29	2 1	15 52	0 34	22 9	0 25	9 12	2 35	15 46	0 42	22 16	0 43	5 6	13 32	23 24	23 23	9 28	16 38	5 6	10 5
M10	23 29	11 55	4 9	19 16	2 0	19 8	1 59	16 4	0 33	22 7	0 25	9 12	2 34	15 45	0 42	22 16	0 43	5 6	13 32	23 24	23 23	9 31	16 37	5 6	10 5
T 11	23 30	16 41	3 11	19 35	1 52	18 46	1 56	16 16	0 32	22 5	0 25	9 12	2 34	15 45	0 42	22 15	0 43	5 7	13 32	23 24	23 23	9 33	16 37	5 6	10 5
W12	23 30	20 24	2 1	19 54	1 44	18 24	1 54	16 28	0 32	22 2	0 25	9 11	2 34	15 44	0 42	22 15	0 43	5 7	13 32	23 24	23 23	9 36	16 36	5 6	10 5
T 13	23 30	22 46	0 42	20 13	1 36	18 1	1 52	16 40	0 31	22 0	0 25	9 11	2 33	15 43	0 42	22 15	0 43	5 7	13 32	23 24	23 23	9 39	16 36	5 6	10 5
F 14	23 30	23 36	0s37	20 32	1 28	17 38	1 49	16 52	0 31	21 58	0 25	9 11	2 33	15 42	0 42	22 15	0 43	5 8	13 33	23 24	23 24	9 41	16 35	5 6	10 5
S 15	23 29	22 52	1 53	20 51	1 19	17 15	1 46	17 3	0 30	21 56	0 25	9 11	2 33	15 41	0 42	22 15	0 43	5 8	13 33	23 24	23 24	9 44	16 35	5 6	10 5
S 16	23 28	20 47	3 0	21 9	1 11	16 51	1 43	17 15	0 30	21 54	0 25	9 11	2 33	15 40	0 42	22 14	0 43	5 8	13 33	23 24	23 24	9 46	16 34	5 6	10 5
M17	23 26	17 38	3 55	21 27	1 3	16 26	1 40	17 26	0 29	21 51	0 25	9 11	2 32	15 40	0 42	22 14	0 43	5 8	13 33	23 24	23 24	9 49	16 34	5 6	10 5
T 18	23 24	13 42	4 37	21 45	0 54	16 2	1 37	17 37	0 29	21 49	0 25	9 11	2 32	15 39	0 42	22 14	0 43	5 8	13 34	23 24	23 24	9 52	16 34	5 6	10 5
W19	23 21	9 17	5 4	22 2	0 46	15 37	1 34	17 48	0 28	21 47	0 25	9 11	2 32	15 38	0 42	22 14	0 43	5 9	13 34	23 24	23 24	9 54	16 33	5 6	10 5
T 20	23 18	4 36	5 16	22 18	0 38	15 11	1 31	17 59	0 27	21 44	0 25	9 11	2 31	15 37	0 42	22 14	0 43	5 9	13 34	23 24	23 24	9 57	16 33	5 6	10 5
F 21	23 14	0n11	5 15	22 33	0 30	14 46	1 27	18 10	0 27	21 42	0 25	9 11	2 31	15 36	0 42	22 13	0 43	5 9	13 34	23 24	23 25	9 59	16 32	5 6	10 5
S 22	23 10	4 54	4 59	22 47	0 22	14 20	1 23	18 21	0 26	21 39	0 26	9 12	2 31	15 35	0 42	22 13	0 43	5 9	13 35	23 24	23 25	10 2	16 32	5 5	10 5
S 23	23 5	9 25	4 31	23 1	0 14	13 54	1 20	18 31	0 26	21 37	0 26	9 12	2 30	15 34	0 42	22 13	0 43	5 9	13 35	23 24	23 25	10 5	16 32	5 5	10 5
M24	23 0	13 36	3 52	23 14	0 6	13 27	1 16	18 42	0 25	21 34	0 26	9 12	2 30	15 33	0 42	22 13	0 43	5 10	13 35	23 24	23 25	10 7	16 31	5 5	10 5
T 25	22 55	17 17	3 2	23 25	0s 1	13 0	1 12	18 52	0 24	21 32	0 26	9 12	2 30	15 32	0 42	22 13	0 43	5 10	13 35	23 24	23 25	10 10	16 31	5 5	10 5
W26	22 49	20 17	2 3	23 36	0 9	12 33	1 8	19 2	0 24	21 29	0 26	9 13	2 30	15 31	0 42	22 12	0 43	5 10	13 36	23 24	23 25	10 12	16 31	5 5	10 5
T 27	22 42	22 25	0 58	23 45	0 16	12 6	1 3	19 12	0 23	21 27	0 26	9 13	2 29	15 30	0 42	22 12	0 43	5 10	13 36	23 24	23 25	10 15	16 30	5 5	10 5
F 28	22 35	23 29	0n11	23 53	0 23	11 38	0 59	19 22	0 23	21 24	0 26	9 14	2 29	15 29	0 42	22 12	0 43	5 10	13 36	23 24	23 25	10 17	16 30	5 5	10 5
S 29	22 28	23 21	1 20	24 1	0 30	11 11	0 54	19 31	0 22	21 22	0 26	9 14	2 29	15 28	0 42	22 12	0 43	5 10	13 37	23 24	23 25	10 20	16 30	5 5	10 5
S 30	22 20	21 58	2 27	24 7	0 37	10 43	0 50	19 41	0 21	21 19	0 26	9 15	2 28	15 28	0 42	22 12	0 43	5 10	13 37	23 24	23 26	10 23	16 30	5 4	10 5
M31	22s12	19n22	3n27	24s11	0s44	10s15	0s45	19s50	0n21	21s17	0s26	9n15	2s28	15s27	0s42	22s11	0n43	5s10	13n37	23n24	23n26	10n25	16n29	5s 4	10 5