



Astrodienst Ephemeris Tables for the year 1424

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 1424
geocentric

JANUARY 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 13 26	18°53'03	6°8	20°R41	25°24	29°10	16°19	4°38	23°33	29°R45	29°R 2	15°12	15°4	16°59	10°1	S 1
S 2	7 17 23	19°54'10	18°39	19°24	25°43	29°56	16°23	4°41	23°35	29°R44	29°R 1	15°R12	15° 1	17° 6	10° 5	S 2
M 3	7 21 19	20°55'17	1°23	18° 6	26° 0	0°41	16°27	4°45	23°37	29°42	29° 0	15°11	14°58	17°13	10° 9	M 3
T 4	7 25 16	21°56'23	14°21	16°50	26°14	1°26	16°31	4°48	23°39	29°40	28°58	15°11	14°55	17°19	10°14	T 4
W 5	7 29 12	22°57'29	27°33	15°38	26°26	2°11	16°35	4°51	23°41	29°39	28°57	15°10	14°52	17°26	10°18	W 5
T 6	7 33 9	23°58'33	10°58	14°32	26°37	2°56	16°38	4°54	23°43	29°37	28°56	15° 9	14°48	17°33	10°22	T 6
F 7	7 37 5	24°59'36	24°36	13°34	26°44	3°42	16°41	4°57	23°45	29°35	28°55	15° 8	14°45	17°39	10°27	F 7
S 8	7 41 2	26° 0'38	8°24	12°43	26°50	4°27	16°44	5° 0	23°47	29°34	28°54	15° 7	14°42	17°46	10°31	S 8
S 9	7 44 58	27° 1'39	22°23	12° 1	26°53	5°12	16°47	5° 3	23°49	29°32	28°53	15°D 6	14°39	17°53	10°35	S 9
M10	7 48 55	28° 2'39	6°32	11°29	26°R54	5°58	16°49	5° 6	23°51	29°30	28°52	15° 6	14°36	18° 0	10°40	M10
T 11	7 52 52	29° 3'38	20°47	11° 5	26°52	6°43	16°52	5° 8	23°54	29°29	28°51	15° 7	14°33	18° 6	10°44	T 11
W12	7 56 48	0°4'35	5°11	10°50	26°47	7°29	16°54	5°11	23°56	29°27	28°50	15° 8	14°29	18°13	10°48	W12
T 13	8 0 45	1° 5'32	19°29	10°D43	26°40	8°14	16°56	5°13	23°58	29°25	28°49	15° 9	14°26	18°20	10°53	T 13
F 14	8 4 41	2° 6'27	3°49	10°45	26°31	9° 0	16°58	5°15	24° 1	29°23	28°48	15°10	14°23	18°26	10°57	F 14
S 15	8 8 38	3° 7'21	18° 2	10°53	26°19	9°45	17° 0	5°18	24° 3	29°22	28°47	15°R11	14°20	18°33	11° 2	S 15
S 16	8 12 34	4° 8'13	2°4	11° 9	26° 4	10°31	17° 1	5°20	24° 6	29°20	28°46	15°10	14°17	18°40	11° 6	S 16
M17	8 16 31	5° 9'05	15°51	11°31	25°47	11°17	17° 3	5°22	24° 8	29°18	28°45	15° 8	14°13	18°46	11°11	M17
T 18	8 20 27	6° 9'55	29°19	11°59	25°28	12° 2	17° 4	5°24	24°11	29°17	28°44	15° 5	14°10	18°53	11°15	T 18
W19	8 24 24	7°10'44	12°28	12°32	25° 6	12°48	17° 5	5°25	24°13	29°15	28°43	15° 2	14° 7	19° 0	11°20	W19
T 20	8 28 21	8°11'32	25°17	13°10	24°42	13°34	17° 6	5°27	24°16	29°13	28°42	14°58	14° 4	19° 7	11°24	T 20
F 21	8 32 17	9°12'20	7°47	13°52	24°16	14°20	17° 6	5°29	24°18	29°12	28°41	14°55	14° 1	19°13	11°29	F 21
S 22	8 36 14	10°13'06	20° 0	14°39	23°47	15° 5	17° 7	5°30	24°21	29°10	28°40	14°52	13°58	19°20	11°33	S 22
S 23	8 40 10	11°13'51	2°2	15°29	23°17	15°51	17° 7	5°32	24°24	29° 8	28°39	14°50	13°54	19°27	11°37	S 23
M24	8 44 7	12°14'35	13°56	16°23	22°46	16°37	17°R 7	5°33	24°26	29° 7	28°39	14°D50	13°51	19°33	11°42	M24
T 25	8 48 3	13°15'18	25°46	17°20	22°12	17°23	17° 7	5°34	24°29	29° 5	28°38	14°51	13°48	19°40	11°46	T 25
W26	8 52 0	14°15'59	7°39	18°20	21°38	18° 9	17° 6	5°35	24°32	29° 3	28°37	14°52	13°45	19°47	11°51	W26
T 27	8 55 56	15°16'40	19°39	19°22	21° 2	18°55	17° 6	5°36	24°35	29° 2	28°36	14°54	13°42	19°53	11°55	T 27
F 28	8 59 53	16°17'20	1°49	20°27	20°26	19°41	17° 5	5°37	24°38	29° 0	28°35	14°56	13°39	20° 0	12° 0	F 28
S 29	9 3 50	17°17'58	14°15	21°34	19°49	20°27	17° 4	5°38	24°40	28°59	28°35	14°R56	13°35	20° 7	12° 4	S 29
S 30	9 7 46	18°18'35	26°59	22°43	19°12	21°13	17° 3	5°38	24°43	28°57	28°34	14°56	13°32	20°14	12° 9	S 30
M31	9 11 43	19°19'10	10°1	23°54	18°34	21°59	17° 2	5°39	24°46	28°56	28°33	14°53	13°29	20°20	12°13	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22s11	22s32	0n50	18s58	2n59	11s 3	2n10	24s 6	0s36	5s11	1n22	10s50	2n25	3s14	0s44	20n 4
S 2	22 2	22 32	0s19	18 58	3 10	10 45	2 23	24 7	0 36	5 12	1 22	10 51	2 25	3 14	0 44	20 5
M 3	21 53	21 21	1 29	19 0	3 19	10 27	2 36	24 8	0 37	5 13	1 23	10 52	2 25	3 13	0 44	20 5
T 4	21 43	19 2	2 35	19 3	3 26	10 10	2 49	24 8	0 37	5 14	1 23	10 53	2 25	3 12	0 44	20 5
W 5	21 33	15 42	3 34	19 7	3 30	9 53	3 2	24 8	0 38	5 15	1 23	10 53	2 26	3 11	0 44	20 6
T 6	21 23	11 31	4 22	19 13	3 31	9 37	3 16	24 7	0 39	5 16	1 23	10 54	2 26	3 10	0 44	20 6
F 7	21 12	6 41	4 57	19 20	3 31	9 21	3 29	24 7	0 39	5 17	1 24	10 55	2 26	3 9	0 44	20 6
S 8	21 1	1 28	5 15	19 27	3 28	9 6	3 43	24 6	0 40	5 18	1 24	10 56	2 26	3 8	0 43	20 7
S 9	20 49	3n53	5 14	19 35	3 23	8 52	3 57	24 5	0 40	5 19	1 24	10 57	2 27	3 8	0 43	20 7
M10	20 37	9 6	4 55	19 44	3 17	8 39	4 12	24 4	0 41	5 20	1 24	10 57	2 27	3 7	0 43	20 8
T 11	20 25	13 52	4 17	19 53	3 10	8 26	4 26	24 2	0 42	5 21	1 25	10 58	2 27	3 6	0 43	20 8
W12	20 12	17 53	3 24	20 3	3 2	8 14	4 40	24 0	0 42	5 21	1 25	10 58	2 27	3 5	0 43	20 8
T 13	19 59	20 49	2 17	20 13	2 53	8 2	4 55	23 58	0 43	5 22	1 25	10 59	2 28	3 4	0 43	20 9
F 14	19 45	22 25	1 2	20 22	2 43	7 52	5 9	23 56	0 43	5 22	1 25	11 0	2 28	3 3	0 43	20 9
S 15	19 31	22 33	0n16	20 32	2 33	7 43	5 24	23 53	0 44	5 23	1 26	11 0	2 28	3 2	0 43	20 9
S 16	19 17	21 15	1 32	20 41	2 22	7 34	5 38	23 50	0 45	5 23	1 26	11 1	2 28	3 1	0 43	20 10
M17	19 2	18 42	2 41	20 50	2 11	7 26	5 52	23 47	0 45	5 23	1 26	11 1	2 28	3 0	0 43	20 10
T 18	18 47	15 10	3 40	20 59	2 0	7 20	6 6	23 44	0 46	5 24	1 26	11 1	2 29	2 59	0 43	20 10
W19	18 32	10 59	4 25	21 7	1 49	7 14	6 19	23 40	0 46	5 24	1 27	11 2	2 29	2 58	0 43	20 11
T 20	18 16	6 24	4 56	21 14	1 38	7 10	6 32	23 36	0 47	5 24	1 27	11 2	2 29	2 57	0 43	20 11
F 21	18 0	1 41	5 12	21 21	1 27	7 6	6 45	23 32	0 48	5 24	1 27	11 2	2 29	2 56	0 43	20 12
S 22	17 44	3s 1	5 13	21 27	1 16	7 4	6 57	23 27	0 48	5 24	1 27	11 3	2 30	2 55	0 43	20 12
S 23	17 28	7 31	5 0	21 32	1 5	7 2	7 9	23 22	0 49	5 24	1 28	11 3	2 30	2 53	0 43	20 12
M24	17 11	11 42	4 35	21 37	0 54	7 2	7 20	23 17	0 49	5 23	1 28	11 3	2 30	2 52	0 43	20 13
T 25	16 54	15 25	3 58	21 40	0 44	7 2	7 31	23 12	0 50	5 23	1 28	11 3	2 30	2 51	0 43	20 13
W26	16 36	18 31	3 10	21 42	0 33	7 4	7 40	23 7	0 50	5 23	1 28	11 3	2 31	2 50	0 43	20 13
T 27	16 18	20 53	2 14	21 43	0 23	7 6	7 49	23 1	0 51	5 22	1 29	11 3	2 31	2 49	0 43	20 14
F 28	16 0	22 19	1 11	21 44	0 14	7 10	7 58	22 55	0 52	5 22	1 29	11 4	2 31	2 48	0 43	20 14
S 29	15 42	22 41	0 4	21 43	0 4	7 14	8 5	22 49	0 52	5 21	1 29	11 4	2 31	2 47	0 43	20 14
S 30	15 23	21 54	1s 5	21 41	0s 5	7 19	8 11	22 42	0 53	5 20	1 29	11 4	2 32	2 46	0 43	20 15
M31	15s 4	19s55	2s13	21s37	0s14	7s25	8n17	22s35	0s53	5s20	1n30	11s 3	2n32	2s44	0s43	20n15

Julian Day Number = 2241173.5, Delta T = 07m14s
Ecliptic obliquity = 23°30'48, Nutation = -0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°42'18, Lahiri = 15°49'18 Julian Calendar 1 Jan. 1424 == Greg. Calendar 10 Jan. 1424

ASTRODIENST EPHEMERIS for the year 1424

geocentric

FEBRUARY 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 15 39	20 ²² 19'44	23 ²² 23	25 ²⁸ 7	17 ¹⁸ 57	22 ²⁸ 45	17 ¹⁸ 0	5 ¹¹ 39	24 ²⁸ 49	28 ²⁸ 54	28 ²⁸ 32	14 ²⁸ 49	13 ²⁸ 26	20 ²⁸ 27	12 ²⁸ 18	T 1
W 2	9 19 36	21 ²⁰ 20'16	7 ²² 2	26 ²² 22	17 ²² 20	23 ³¹	16 ²² 58	5 ⁴⁰	24 ²⁵ 52	28 ²⁸ 52	28 ²⁸ 32	14 ²⁸ 44	13 ²³	20 ³⁴	12 ²²	W 2
T 3	9 23 32	22 ²⁰ 20'47	20 ⁵⁵	27 ³⁸	16 ⁴⁴	24 ¹⁷	16 ⁵⁷	5 ⁴⁰	24 ²⁵ 55	28 ²⁸ 51	28 ²⁸ 31	14 ²⁸ 37	13 ¹⁹	20 ⁴⁰	12 ²⁶	T 3
F 4	9 27 29	23 ²¹ 16	4 ²⁷ 59	28 ⁵⁶	16 ⁹	25 ³	16 ⁵⁴	5 ⁴⁰	24 ²⁵ 58	28 ²⁸ 49	28 ²⁸ 30	14 ²⁸ 31	13 ¹⁶	20 ⁴⁷	12 ³¹	F 4
S 5	9 31 25	24 ²¹ 43	19 ⁹	0 ²² 15	15 ³⁵	25 ⁵⁰	16 ⁵²	5 ⁴⁰	25 ¹	28 ⁴⁸	28 ³⁰	14 ²⁶	13 ¹³	20 ⁵⁴	12 ³⁵	S 5
S 6	9 35 22	25 ²² 08	3 ²²	1 ³⁶	15 ²	26 ³⁶	16 ⁵⁰	5 ⁴⁰	25 ⁴	28 ⁴⁶	28 ²⁹	14 ²²	13 ¹⁰	21 ⁰	12 ⁴⁰	S 6
M 7	9 39 19	26 ²² 31	17 ³⁴	2 ⁵⁸	14 ³¹	27 ²²	16 ⁴⁷	5 ⁴⁰	25 ⁷	28 ⁴⁵	28 ²⁹	14 ²⁰	13 ⁷	21 ⁷	12 ⁴⁴	M 7
T 8	9 43 15	27 ²² 52	1 ²² 43	4 ²¹	14 ¹	28 ⁸	16 ⁴⁴	5 ⁴⁰	25 ¹¹	28 ⁴³	28 ²⁸	14 ²⁰ D20	13 ⁴	21 ¹⁴	12 ⁴⁸	T 8
W 9	9 47 12	28 ²³ 11	15 ⁴⁷	5 ⁴⁶	13 ³⁴	28 ⁵⁵	16 ⁴¹	5 ³⁹	25 ¹⁴	28 ⁴²	28 ²⁸	14 ²¹	13 ⁰	21 ²⁰	12 ⁵³	W 9
T 10	9 51 8	29 ²³ 28	29 ⁴⁶	7 ¹²	13 ⁸	29 ⁴¹	16 ³⁸	5 ³⁹	25 ¹⁷	28 ⁴¹	28 ²⁷	14 ²²	12 ⁵⁷	21 ²⁷	12 ⁵⁷	T 10
F 11	9 55 5	0 ²³ 43	13 ²⁸ 38	8 ³⁹	12 ⁴⁵	0 ²⁷	16 ³⁵	5 ³⁸	25 ²⁰	28 ³⁹	28 ²⁷	14 ²³ R23	12 ⁵⁴	21 ³⁴	13 ¹	F 11
S 12	9 59 1	1 ²³ 56	27 ²³	10 ⁷	12 ²⁴	1 ¹³	16 ³¹	5 ³⁸	25 ²³	28 ³⁸	28 ²⁶	14 ²²	12 ⁵¹	21 ⁴¹	13 ⁶	S 12
S 13	10 2 58	2 ²⁴ 07	10 ²² 58	11 ³⁶	12 ⁵	2 ⁰	16 ²⁸	5 ³⁷	25 ²⁶	28 ³⁶	28 ²⁶	14 ¹⁹	12 ⁴⁸	21 ⁴⁷	13 ¹⁰	S 13
M14	10 6 54	3 ²⁴ 16	24 ²²	13 ⁷	11 ⁴⁸	2 ⁴⁶	16 ²⁴	5 ³⁶	25 ³⁰	28 ³⁵	28 ²⁵	14 ¹⁴	12 ⁴⁴	21 ⁵⁴	13 ¹⁴	M14
T 15	10 10 51	4 ²⁴ 23	7 ²² 33	14 ³⁸	11 ³⁴	3 ³²	16 ²⁰	5 ³⁵	25 ³³	28 ³⁴	28 ²⁵	14 ⁶	12 ⁴¹	22 ¹	13 ¹⁸	T 15
W16	10 14 48	5 ²⁴ 28	20 ³⁰	16 ¹¹	11 ²³	4 ¹⁹	16 ¹⁶	5 ³⁴	25 ³⁶	28 ³³	28 ²⁴	13 ⁵⁷	12 ³⁸	22 ⁷	13 ²³	W16
T 17	10 18 44	6 ²⁴ 32	3 ²² 11	17 ⁴⁵	11 ¹⁴	5 ⁵	16 ¹¹	5 ³³	25 ³⁹	28 ³¹	28 ²⁴	13 ⁴⁷	12 ³⁵	22 ¹⁴	13 ²⁷	T 17
F 18	10 22 41	7 ²⁴ 33	15 ³⁷	19 ²⁰	11 ⁷	5 ⁵²	16 ⁷	5 ³²	25 ⁴³	28 ³⁰	28 ²⁴	13 ³⁸	12 ³²	22 ²¹	13 ³¹	F 18
S 19	10 26 37	8 ²⁴ 33	27 ⁵⁰	20 ⁵⁶	11 ³	6 ³⁸	16 ²	5 ³⁰	25 ⁴⁶	28 ²⁹	28 ²³	13 ²⁹	12 ²⁹	22 ²⁷	13 ³⁵	S 19
S 20	10 30 34	9 ²⁴ 31	9 ²² 51	22 ³³	11 ² D 2	7 ²⁵	15 ⁵⁷	5 ²⁹	25 ⁴⁹	28 ²⁸	28 ²³	13 ²³	12 ²⁵	22 ³⁴	13 ³⁹	S 20
M21	10 34 30	10 ²⁴ 28	21 ⁴⁴	24 ¹²	11 ²	8 ¹¹	15 ⁵²	5 ²⁷	25 ⁵³	28 ²⁶	28 ²³	13 ¹⁸	12 ²²	22 ⁴¹	13 ⁴³	M21
T 22	10 38 27	11 ²⁴ 23	3 ²² 34	25 ⁵¹	11 ⁶	8 ⁵⁷	15 ⁴⁷	5 ²⁶	25 ⁵⁶	28 ²⁵	28 ²²	13 ¹⁶	12 ¹⁹	22 ⁴⁷	13 ⁴⁷	T 22
W23	10 42 23	12 ²⁴ 16	15 ²⁶	27 ³²	11 ¹¹	9 ⁴⁴	15 ⁴²	5 ²⁴	25 ⁵⁹	28 ²⁴	28 ²²	13 ²¹ D16	12 ¹⁶	22 ⁵⁴	13 ⁵¹	W23
T 24	10 46 20	13 ²⁴ 08	27 ²⁵	29 ¹³	11 ¹⁹	10 ³⁰	15 ³⁶	5 ²²	26 ³	28 ²³	28 ²²	13 ¹⁶	12 ¹³	23 ¹	13 ⁵⁵	T 24
F 25	10 50 16	14 ²³ 57	9 ²³ 36	0 ²⁸ 56	11 ²⁹	11 ¹⁷	15 ³¹	5 ²⁰	26 ⁶	28 ²²	28 ²²	13 ¹⁷ R17	12 ¹⁰	23 ⁸	13 ⁵⁹	F 25
S 26	10 54 13	15 ²³ 46	22 ⁴	2 ⁴⁰	11 ⁴¹	12 ³	15 ²⁵	5 ¹⁸	26 ¹⁰	28 ²¹	28 ²²	13 ¹⁷	12 ⁶	23 ¹⁴	14 ³	S 26
S 27	10 58 10	16 ²³ 32	4 ²² 53	4 ²⁶	11 ⁵⁶	12 ⁵⁰	15 ¹⁹	5 ¹⁶	26 ¹³	28 ²⁰	28 ²²	13 ¹⁵	12 ³	23 ²¹	14 ⁷	S 27
M28	11 2 6	17 ²³ 16	18 ⁶	6 ¹²	12 ¹²	13 ³⁷	15 ¹³	5 ¹⁴	26 ¹⁶	28 ¹⁹	28 ²¹	13 ¹⁰	12 ⁰	23 ²⁸	14 ¹¹	M28
T 29	11 6 3	18 ²² 59	1 ²² 44	8 ²² 0	12 ²² 30	14 ²² 23	15 ²² 7	5 ¹¹ 11	26 ²² 20	28 ²² 18	28 ²² 21	13 ²² 3	11 ²² 57	23 ²² 34	14 ²² 15	T 29

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s45	16s49	3s14	21s33	0s23	7s32	8n21	22s28	0s54	5s19	1n30	11s 3	2n32	2s43	0s43	20n15	0s12
W 2	14 26	12 46	4 6	21 27	0 31	7 40	8 25	22 21	0 54	5 18	1 30	11 3	2 32	2 42	0 43	20 16	0 12
T 3	14 6	7 58	4 44	21 20	0 39	7 48	8 27	22 13	0 55	5 17	1 30	11 3	2 33	2 41	0 43	20 16	0 12
F 4	13 47	2 41	5 6	21 12	0 47	7 56	8 29	22 6	0 55	5 16	1 31	11 3	2 33	2 39	0 43	20 16	0 11
S 5	13 27	2n45	5 9	21 3	0 55	8 5	8 30	21 58	0 56	5 15	1 31	11 3	2 33	2 38	0 43	20 17	0 11
S 6	13 6	8 5	4 53	20 52	1 2	8 15	8 29	21 49	0 56	5 14	1 31	11 3	2 33	2 37	0 43	20 17	0 11
M 7	12 46	12 58	4 20	20 40	1 9	8 25	8 28	21 41	0 57	5 13	1 31	11 2	2 34	2 36	0 43	20 17	0 11
T 8	12 25	17 8	3 30	20 27	1 15	8 35	8 26	21 32	0 57	5 11	1 32	11 2	2 34	2 35	0 43	20 18	0 11
W 9	12 4	20 18	2 28	20 12	1 22	8 45	8 24	21 23	0 58	5 10	1 32	11 2	2 34	2 33	0 43	20 18	0 11
T 10	11 43	22 13	1 18	19 56	1 27	8 56	8 20	21 14	0 59	5 9	1 32	11 1	2 34	2 32	0 43	20 18	0 11
F 11	11 22	22 45	0 4	19 39	1 33	9 6	8 16	21 5	0 59	5 7	1 32	11 1	2 35	2 31	0 43	20 18	0 11
S 12	11 1	21 53	1n10	19 20	1 38	9 17	8 11	20 55	1 0	5 6	1 32	11 0	2 35	2 29	0 43	20 19	0 11
S 13	10 39	19 45	2 18	19 0	1 43	9 27	8 5	20 45	1 0	5 4	1 33	11 0	2 35	2 28	0 43	20 19	0 11
M14	10 17	16 33	3 18	18 39	1 48	9 38	7 59	20 35	1 1	5 2	1 33	10 59	2 35	2 27	0 43	20 19	0 11
T 15	9 55	12 34	4 6	18 16	1 52	9 48	7 52	20 25	1 1	5 0	1 33	10 59	2 35	2 25	0 43	20 20	0 11
W16	9 33	8 5	4 41	17 52	1 56	9 58	7 45	20 14	1 2	4 59	1 33	10 58	2 36	2 24	0 43	20 20	0 11
T 17	9 11	3 19	5 1	17 27	1 59	10 8	7 37	20 3	1 2	4 57	1 34	10 58	2 36	2 23	0 43	20 20	0 11
F 18	8 49	1s28	5 6	17 0	2 2	10 17	7 29	19 52	1 2	4 55	1 34	10 57	2 36	2 22	0 43	20 20	0 11
S 19	8 27	6 7	4 56	16 32	2 5	10 27	7 20	19 41	1 3	4 53	1 34	10 56	2 36	2 20	0 42	20 21	0 11
S 20	8 4	10 28	4 34	16 2	2 7	10 36	7 11	19 30	1 3	4 51	1 34	10 56	2 37	2 19	0 42	20 21	0 11
M21	7 41	14 23	4 0	15 31	2 9	10 44	7 2	19 18	1 4	4 49	1 34	10 55	2 37	2 18	0 42	20 21	0 11
T 22	7 19	17 43	3 16	14 59	2 10	10 52	6 53	19 6	1 4	4 47	1 34	10 54	2 37	2 16	0 42	20 21	0 11
W23	6 56	20 20	2 23	14 25	2 11	11 0	6 43	18 54	1 5	4 44	1 35	10 53	2 37	2 15	0 42	20 22	0 11
T 24	6 33	22 5	1 24	13 50	2 11	11 7	6 34	18 42	1 5	4 42	1 35	10 53	2 37	2 14	0 42	20 22	0 11
F 25	6 10	22 50	0 20	13 13	2 12	11 14	6 24	18 30	1 6	4 40	1 35	10 52	2 38	2 12	0 42	20 22	0 11
S 26	5 46	22 28	0s47	12 36	2 11	11 20	6 14	18 17	1 6	4 38	1 35	10 51	2 38	2 11	0 42	20 22	0 11
S 27	5 23	20 55	1 53	11 56	2 10	11 26	6 4	18 5	1 7	4 35	1 35	10 50	2 38	2 9	0 42	20 23	0 11
M28	5 0	18 13	2 54	11 16	2 9	11 31	5 54	17 52	1 7	4 33	1 35	10 49	2 38	2 8	0 42	20 23	0 11
T 29	4s36	14s26	3s48	10s34	2s 7	11s36	5n44	17s38	1s 7	4s30	1n36	10s48	2n38	2s 7	0s42	20n23	0s11

Julian Day Number = 2241204.5, Delta T = 07m14s

Ecliptic obliquity = 23°30'49", Nutation = - 0°00'15", out-of-bounds declination in red

ASTRODIENST EPHEMERIS for the year 1424

geocentric

MARCH 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 9 59	19°22'39	15°45	9°49	12°51	15°10	15°R 1	5°R 9	26°23	28°R17	28°R21	12°R53	11°54	23°41	14°19	W 1
T 2	11 13 56	20°22'18	0°Y 5	11°39	13°13	15°56	14°55	5°M 6	26°27	28°516	28°II21	12°543	11°50	23°48	14°23	T 2
F 3	11 17 52	21°21'54	14°37	13°31	13°37	16°43	14°48	5° 4	26°30	28°15	28°21	12°32	11°47	23°54	14°27	F 3
S 4	11 21 49	22°21'29	29°15	15°23	14° 2	17°29	14°42	5° 1	26°33	28°14	28°D21	12°22	11°44	24° 1	14°30	S 4
S 5	11 25 45	23°21'01	13°51	17°17	14°29	18°16	14°35	4°58	26°37	28°13	28°21	12°15	11°41	24° 8	14°34	S 5
M 6	11 29 42	24°20'31	28°20	19°12	14°58	19° 3	14°28	4°56	26°40	28°13	28°21	12°10	11°38	24°14	14°38	M 6
T 7	11 33 39	25°19'58	12°II37	21° 9	15°28	19°49	14°21	4°53	26°44	28°12	28°21	12° 8	11°35	24°21	14°41	T 7
W 8	11 37 35	26°19'23	26°40	23° 6	16° 0	20°36	14°14	4°50	26°47	28°11	28°21	12°D 7	11°31	24°28	14°45	W 8
T 9	11 41 32	27°18'46	10°529	25° 5	16°33	21°22	14° 7	4°47	26°51	28°10	28°22	12°R 7	11°28	24°34	14°48	T 9
F 10	11 45 28	28°18'07	24° 5	27° 4	17° 8	22° 9	14° 0	4°44	26°54	28°10	28°22	12° 7	11°25	24°41	14°52	F 10
S 11	11 49 25	29°17'25	7°Q28	29° 5	17°44	22°55	13°53	4°40	26°57	28° 9	28°22	12° 5	11°22	24°48	14°55	S 11
S 12	11 53 21	0°Y16'41	20°40	1°Y 7	18°21	23°42	13°46	4°37	27° 1	28° 8	28°22	12° 0	11°19	24°55	14°59	S 12
M13	11 57 18	1°15'54	3°M40	3° 9	18°59	24°29	13°39	4°34	27° 4	28° 8	28°22	11°52	11°16	25° 1	15° 2	M13
T14	12 1 14	2°15'05	16°30	5°12	19°38	25°15	13°31	4°30	27° 8	28° 7	28°22	11°41	11°12	25° 8	15° 6	T14
W15	12 5 11	3°14'14	29° 9	7°16	20°19	26° 2	13°24	4°27	27°11	28° 7	28°23	11°29	11° 9	25°15	15° 9	W15
T16	12 9 8	4°13'21	11°A37	9°19	21° 0	26°48	13°16	4°23	27°15	28° 6	28°23	11°15	11° 6	25°21	15°12	T16
F17	12 13 4	5°12'26	23°54	11°23	21°43	27°35	13° 9	4°20	27°18	28° 6	28°23	11° 1	11° 3	25°28	15°15	F17
S18	12 17 1	6°11'29	6°M 0	13°27	22°27	28°21	13° 1	4°16	27°21	28° 5	28°24	10°49	11° 0	25°35	15°19	S18
S19	12 20 57	7°10'30	17°58	15°30	23°11	29° 8	12°54	4°12	27°25	28° 5	28°24	10°39	10°56	25°41	15°22	S19
M20	12 24 54	8° 9'29	29°49	17°32	23°57	29°55	12°46	4° 9	27°28	28° 5	28°24	10°32	10°53	25°48	15°25	M20
T21	12 28 50	9° 8'27	11°X38	19°33	24°43	0°K41	12°38	4° 5	27°31	28° 4	28°25	10°27	10°50	25°55	15°28	T21
W22	12 32 47	10° 7'22	23°28	21°33	25°30	1°28	12°31	4° 1	27°35	28° 4	28°25	10°25	10°47	26° 1	15°31	W22
T23	12 36 43	11° 6'16	5°Z25	23°31	26°18	2°14	12°23	3°57	27°38	28° 4	28°26	10°24	10°44	26° 8	15°34	T23
F24	12 40 40	12° 5'08	17°34	25°26	27° 7	3° 1	12°15	3°53	27°42	28° 4	28°26	10°24	10°41	26°15	15°37	F24
S25	12 44 37	13° 3'59	29°59	27°20	27°57	3°47	12° 7	3°49	27°45	28° 3	28°27	10°24	10°37	26°21	15°40	S25
S26	12 48 33	14° 2'47	12°A48	29°10	28°47	4°34	12° 0	3°45	27°48	28° 3	28°27	10°21	10°34	26°28	15°43	S26
M27	12 52 30	15° 1'34	26° 3	0°B56	29°38	5°20	11°52	3°41	27°52	28° 3	28°28	10°17	10°31	26°35	15°45	M27
T28	12 56 26	16° 0'19	9°K46	2°40	0°K30	6° 7	11°44	3°37	27°55	28° 3	28°28	10° 9	10°28	26°41	15°48	T28
W29	13 0 23	16°59'02	23°57	4°19	1°22	6°53	11°37	3°32	27°58	28° 3	28°29	10° 0	10°25	26°48	15°51	W29
T30	13 4 19	17°57'44	8°Y33	5°55	2°15	7°40	11°29	3°28	28° 1	28° 3	28°29	9°48	10°21	26°55	15°53	T30
F31	13 8 16	18°Y56'23	23°Y25	7°B26	3°K 8	8°K26	11°A21	3°M24	28°K 5	28°D 3	28°II30	9°537	10°518	27°M 2	15°56	F31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	4s13	9s46	4s29	9s50	2s 5	11s40	5n34	17s25	1s 8	4s28	1n36	10s47	2n39	2s 5	0s42	20n23
T 2	3 50	4 29	4 55	9 6	2 2	11 44	5 23	17 12	1 8	4 25	1 36	10 46	2 39	2 4	0 42	20 24
F 3	3 26	1n 8	5 2	8 20	1 59	11 47	5 13	16 58	1 9	4 23	1 36	10 45	2 39	2 3	0 42	20 24
S 4	3 2	6 44	4 49	7 33	1 55	11 50	5 3	16 44	1 9	4 20	1 36	10 44	2 39	2 1	0 42	20 24
S 5	2 39	11 56	4 18	6 44	1 51	11 52	4 53	16 30	1 9	4 17	1 36	10 43	2 39	2 0	0 42	20 24
M 6	2 15	16 26	3 30	5 55	1 46	11 53	4 43	16 16	1 10	4 14	1 36	10 42	2 40	1 59	0 42	20 24
T 7	1 52	19 54	2 30	5 4	1 41	11 54	4 33	16 2	1 10	4 12	1 36	10 41	2 40	1 57	0 42	20 24
W 8	1 28	22 7	1 21	4 12	1 35	11 54	4 23	15 47	1 11	4 9	1 37	10 40	2 40	1 56	0 42	20 25
T 9	1 4	22 57	0 9	3 19	1 28	11 54	4 13	15 32	1 11	4 6	1 37	10 38	2 40	1 54	0 42	20 25
F 10	0 41	22 24	1n 3	2 25	1 21	11 53	4 3	15 18	1 11	4 3	1 37	10 37	2 40	1 53	0 42	20 25
S 11	0 17	20 33	2 10	1 23	1 14	11 52	3 53	15 3	1 12	4 0	1 37	10 36	2 40	1 52	0 42	20 25
S 12	0n 7	17 38	3 9	0 34	1 6	11 50	3 44	14 48	1 12	3 58	1 37	10 35	2 41	1 50	0 42	20 25
M13	0 30	13 52	3 57	0n23	0 57	11 47	3 34	14 32	1 12	3 55	1 37	10 34	2 41	1 49	0 42	20 25
T14	0 54	9 31	4 32	1 20	0 48	11 44	3 25	14 17	1 13	3 52	1 37	10 32	2 41	1 48	0 42	20 25
W15	1 17	4 49	4 53	2 18	0 39	11 40	3 16	14 2	1 13	3 49	1 37	10 31	2 41	1 46	0 42	20 26
T16	1 41	0s 0	5 0	3 16	0 29	11 36	3 6	13 46	1 13	3 46	1 37	10 30	2 41	1 45	0 42	20 26
F17	2 5	4 46	4 53	4 14	0 19	11 31	2 57	13 30	1 14	3 43	1 37	10 28	2 41	1 43	0 42	20 26
S18	2 28	9 17	4 32	5 12	0 8	11 25	2 48	13 14	1 14	3 40	1 37	10 27	2 41	1 42	0 42	20 26
S19	2 51	13 24	4 0	6 10	0n 3	11 19	2 39	12 58	1 14	3 37	1 37	10 26	2 41	1 41	0 42	20 26
M20	3 15	16 58	3 17	7 7	0 14	11 13	2 31	12 42	1 15	3 34	1 37	10 24	2 42	1 39	0 42	20 26
T21	3 38	19 50	2 26	8 4	0 25	11 5	2 22	12 26	1 15	3 31	1 37	10 23	2 42	1 38	0 42	20 26
W22	4 1	21 53	1 28	9 0	0 37	10 58	2 14	12 9	1 15	3 28	1 37	10 21	2 42	1 37	0 42	20 26
T23	4 24	22 58	0 26	9 54	0 48	10 49	2 5	11 53	1 15	3 25	1 37	10 20	2 42	1 35	0 42	20 26
F24	4 47	22 59	0s38	10 48	1 0	10 41	1 57	11 36	1 16	3 22	1 37	10 19	2 42	1 34	0 42	20 26
S25	5 10	21 52	1 42	11 39	1 11	10 31	1 49	11 20	1 16	3 19	1 37	10 17	2 42	1 33	0 42	20 26
S26	5 33	19 37	2 42	12 29	1 22	10 21	1 41	11 3	1 16	3 16	1 37	10 16	2 42	1 31	0 42	20 26
M27	5 56	16 16	3 36	13 17	1 33	10 11	1 33	10 46	1 16	3 13	1 37	10 14	2 42	1 30	0 42	20 27
T28	6 19	11 56	4 20	14 3	1 43	10 0	1 25	10 29	1 17	3 10	1 37	10 13	2 42	1 29	0 42	20 27
W29	6 42	6 50	4 49	14 46	1 53	9 49	1 18	10 12	1 17	3 7	1 37	10 11	2 42	1 27	0 42	20 27
T30	7 4	1 12	5 1	15 27	2 2	9 37	1 10	9 55	1 17	3 4	1 37	10 10	2 42	1 26	0 42	20 27
F31	7n26	4n36	4s52	16n 5	2n11	9s24	1n 3	9s38	1s17	3s 1	1n37	10s 8	2n43	1s25	0s42	20n27

Julian Day Number = 2241233.5, Delta T = 07m14s

Ecliptic obliquity = 23°30'50, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°42'26, Lahiri = 15°49'26 Julian Calendar 1 March 1424 == Greg. Calendar 10 March 1424

ASTRODIENST EPHEMERIS for the year 1424

geocentric

APRIL 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 12 12	19°55'00	8♂26	8♂52	4♂ 3	9♂13	11°R14	3°R19	28♂ 8	28♂ 3	28♂31	9°R27	10♂15	27♂ 8	15°58	S 1
S 2	13 16 9	20°53'36	23°26	10°14	4°57	9°59	11♂ 6	3♂15	28°11	28° 3	28°31	9♂19	10°12	27°15	16° 1	S 2
M 3	13 20 5	21°52'09	8♂16	11°32	5°52	10°45	10°59	3°11	28°14	28° 3	28°32	9°13	10° 9	27°22	16° 3	M 3
T 4	13 24 2	22°50'40	22°49	12°44	6°48	11°32	10°51	3° 6	28°18	28° 3	28°33	9°10	10° 6	27°28	16° 6	T 4
W 5	13 27 59	23°49'09	7♂ 3	13°51	7°44	12°18	10°44	3° 2	28°21	28° 3	28°33	9°D10	10° 2	27°35	16° 8	W 5
T 6	13 31 55	24°47'36	20°55	14°53	8°40	13° 4	10°37	2°58	28°24	28° 4	28°34	9°R10	9°59	27°42	16°10	T 6
F 7	13 35 52	25°46'01	4♂28	15°49	9°37	13°51	10°29	2°53	28°27	28° 4	28°35	9° 9	9°56	27°48	16°12	F 7
S 8	13 39 48	26°44'23	17°41	16°41	10°35	14°37	10°22	2°49	28°30	28° 4	28°36	9° 8	9°53	27°55	16°15	S 8
S 9	13 43 45	27°42'43	0♂39	17°27	11°33	15°23	10°15	2°44	28°33	28° 4	28°36	9° 4	9°50	28° 2	16°17	S 9
M10	13 47 41	28°41'02	13°24	18° 7	12°31	16° 9	10° 8	2°40	28°36	28° 5	28°37	8°57	9°47	28° 8	16°19	M10
T 11	13 51 38	29°39'18	25°56	18°42	13°29	16°56	10° 1	2°35	28°40	28° 5	28°38	8°48	9°43	28°15	16°21	T 11
W12	13 55 34	0♂37'32	8♂19	19°11	14°29	17°42	9°54	2°31	28°43	28° 5	28°39	8°36	9°40	28°22	16°23	W12
T 13	13 59 31	1°35'44	20°32	19°35	15°28	18°28	9°48	2°26	28°46	28° 6	28°40	8°24	9°37	28°28	16°24	T 13
F 14	14 3 28	2°33'54	2♂38	19°54	16°28	19°14	9°41	2°22	28°49	28° 6	28°41	8°12	9°34	28°35	16°26	F 14
S 15	14 7 24	3°32'03	14°36	20° 6	17°28	20° 0	9°35	2°17	28°52	28° 7	28°42	8° 1	9°31	28°42	16°28	S 15
S 16	14 11 21	4°30'10	26°29	20°14	18°28	20°46	9°28	2°13	28°54	28° 7	28°43	7°52	9°27	28°48	16°30	S 16
M17	14 15 17	5°28'15	8♂18	20°R16	19°29	21°32	9°22	2° 8	28°57	28° 8	28°43	7°46	9°24	28°55	16°31	M17
T 18	14 19 14	6°26'19	20° 7	20°13	20°30	22°18	9°16	2° 3	29° 0	28° 8	28°44	7°42	9°21	29° 2	16°33	T 18
W19	14 23 10	7°24'22	1♂57	20° 5	21°31	23° 4	9° 9	1°59	29° 3	28° 9	28°45	7°40	9°18	29° 8	16°34	W19
T 20	14 27 7	8°22'23	13°55	19°52	22°33	23°50	9° 3	1°55	29° 6	28°10	28°46	7°D40	9°15	29°15	16°36	T 20
F 21	14 31 3	9°20'22	26° 3	19°35	23°35	24°36	8°58	1°50	29° 9	28°10	28°47	7°41	9°12	29°22	16°37	F 21
S 22	14 35 0	10°18'21	8♂27	19°13	24°37	25°22	8°52	1°46	29°12	28°11	28°48	7°R41	9° 8	29°28	16°38	S 22
S 23	14 38 57	11°16'18	21°13	18°48	25°40	26° 8	8°46	1°41	29°14	28°12	28°50	7°41	9° 5	29°35	16°40	S 23
M24	14 42 53	12°14'13	4♂24	18°20	26°42	26°54	8°41	1°37	29°17	28°13	28°51	7°39	9° 2	29°42	16°41	M24
T 25	14 46 50	13°12'07	18° 3	17°50	27°45	27°40	8°36	1°32	29°20	28°13	28°52	7°34	8°59	29°49	16°42	T 25
W26	14 50 46	14°10'00	2♂12	17°17	28°49	28°25	8°30	1°28	29°23	28°14	28°53	7°28	8°56	29°55	16°43	W26
T 27	14 54 43	15° 7'52	16°48	16°43	29°52	29°11	8°25	1°24	29°25	28°15	28°54	7°21	8°53	0♂ 2	16°44	T 27
F 28	14 58 39	16° 5'42	1♂46	16° 8	0♂56	29°57	8°20	1°19	29°28	28°16	28°55	7°13	8°49	0° 9	16°45	F 28
S 29	15 2 36	17° 3'31	16°56	15°32	2° 0	0♂42	8°16	1°15	29°30	28°17	28°56	7° 5	8°46	0°15	16°46	S 29
S 30	15 6 32	18♂ 1'19	2♂10	14♂57	3♂ 4	1♂28	8♂11	1♂11	29♂33	28♂18	28♂57	7♂ 0	8♂43	0♂22	16°47	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	7n49	10n12	4s24	16n41	2n19	9s11	0n56	9s20	1s18	2s58	1n37	10s 7	2n43	1s24	0s42	20n27	0s11	19n37	3s53	23n11	23n 7	16s 9	9s58	6n25			
S 2	8 11	15 11	3 37	17 14	2 26	8 58	0 49	9 3	1 18	2 55	1 37	10 5	2 43	1 22	0 42	20 27	0 11	19 37	3 53	23 11	23 7	16 11	9 57	6 25			
M 3	8 33	19 11	2 36	17 45	2 32	8 44	0 42	8 45	1 18	2 52	1 37	10 4	2 43	1 21	0 42	20 27	0 11	19 37	3 53	23 12	23 7	16 13	9 56	6 26			
T 4	8 55	21 54	1 25	18 12	2 38	8 30	0 35	8 28	1 18	2 50	1 37	10 2	2 43	1 20	0 42	20 27	0 10	19 38	3 53	23 12	23 8	16 15	9 55	6 26			
W 5	9 16	23 8	0 11	18 37	2 42	8 15	0 28	8 10	1 18	2 47	1 37	10 1	2 43	1 19	0 42	20 27	0 10	19 38	3 53	23 12	23 8	16 18	9 54	6 26			
T 6	9 38	22 54	1n 2	19 0	2 46	8 0	0 22	7 53	1 18	2 44	1 37	9 59	2 43	1 17	0 42	20 27	0 10	19 38	3 52	23 12	23 8	16 20	9 53	6 27			
F 7	9 59	21 18	2 10	19 19	2 49	7 45	0 16	7 35	1 19	2 41	1 36	9 58	2 43	1 16	0 42	20 27	0 10	19 38	3 52	23 12	23 8	16 22	9 52	6 27			
S 8	10 20	18 35	3 9	19 35	2 50	7 29	0 9	7 17	1 19	2 39	1 36	9 56	2 43	1 15	0 43	20 27	0 10	19 38	3 52	23 12	23 9	16 24	9 51	6 27			
S 9	10 42	14 58	3 57	19 49	2 51	7 12	0 3	6 59	1 19	2 36	1 36	9 55	2 43	1 14	0 43	20 27	0 10	19 38	3 52	23 12	23 9	16 26	9 50	6 28			
M10	11 2	10 45	4 33	20 0	2 50	6 55	0s 3	6 41	1 19	2 33	1 36	9 53	2 43	1 12	0 43	20 26	0 10	19 38	3 52	23 13	23 9	16 28	9 49	6 28			
T 11	11 23	6 7	4 55	20 8	2 49	6 38	0 8	6 24	1 19	2 31	1 36	9 51	2 43	1 11	0 43	20 26	0 10	19 39	3 52	23 13	23 9	16 30	9 48	6 28			
W12	11 44	1 19	5 2	20 14	2 46	6 21	0 14	6 6	1 19	2 28	1 36	9 50	2 43	1 10	0 43	20 26	0 10	19 39	3 52	23 14	23 10	16 32	9 47	6 29			
T 13	12 4	3s29	4 55	20 17	2 42	6 3	0 20	5 48	1 19	2 25	1 36	9 48	2 43	1 9	0 43	20 26	0 10	19 39	3 52	23 15	23 10	16 34	9 46	6 29			
F 14	12 24	8 6	4 36	20 16	2 36	5 45	0 25	5 29	1 19	2 23	1 36	9 47	2 43	1 8	0 43	20 26	0 10	19 39	3 51	23 16	23 10	16 37	9 46	6 30			
S 15	12 44	12 23	4 4	20 14	2 30	5 26	0 30	5 11	1 20	2 21	1 35	9 45	2 43	1 6	0 43	20 26	0 10	19 39	3 51	23 16	23 10	16 39	9 45	6 30			
S 16	13 4	16 10	3 21	20 8	2 22	5 7	0 35	4 53	1 20	2 18	1 35	9 44	2 43	1 5	0 43	20 26	0 10	19 39	3 51	23 17	23 11	16 41	9 44	6 30			
M17	13 23	19 17	2 30	20 0	2 13	4 48	0 40	4 35	1 20	2 16	1 35	9 42	2 43	1 4	0 43	20 26	0 10	19 39	3 51	23 17	23 11	16 43	9 43	6 31			
T 18	13 42	21 36	1 32	19 50	2 3	4 28	0 45	4 17	1 20	2 14	1 35	9 41	2 43	1 3	0 43	20 26	0 10	19 40	3 51	23 17	23 11	16 45	9 42	6 31			
W19	14 2	22 59	0 31	19 37	1 52	4 8	0 50	3 59	1 20	2 11	1 35	9 39	2 43	1 2	0 43	20 26	0 10	19 40	3 51	23 17	23 11	16 47	9 41	6 31			
T 20	14 20	23 20	0s33	19 21	1 40	3 48	0 54	3 41	1 20	2 9	1 35	9 38	2 43	1 1	0 43	20 26	0 10	19 40	3 51	23 17	23 11	16 49	9 41	6 32			
F 21	14 39	22 35	1 37	19 4	1 26	3 27	0 59	3 22	1 20	2 7	1 34	9 36	2 43	1 0	0 43	20 25	0 10	19 40	3 51	23 17	23 12	16 51	9 40	6 32			
S 22	14 57	20 44	2 37	18 44	1 12	3 7	1 3	3 4	1 20	2 5	1 34	9 35	2 42	0 58	0 43	20 25	0 10	19 40	3 50	23 17	23 12	16 53	9 39	6 33			
S 23	15 15	17 49	3 32	18 23	0 57	2 46	1 7	2 46	1 20	2 3	1 34	9 33	2 42	0 57	0 43	20 25	0 10	19 40	3 50	23 17	23 12	16 55	9 38	6 33			
M24	15 33	13 54	4 17	17 59	0 41	2 24	1 11	2 28	1 20	2 1	1 34	9 32	2 42	0 56	0 43	20 25	0 10	19 40	3 50	23 18	23 12	16 57	9 38	6 33			
T 25	15 51	9 10	4 49	17 35	0 24	2 3	1 15	2 9	1 20	1 59	1 34	9 30	2 42	0 55	0 43	20 25	0 10	19 40	3 50	23 18	23 13	16 59	9 37	6 34			
W26	16 8	3 47	5 5	17 9	0 7	1 41	1 19	1 51	1 20	1 57	1 34	9 29	2 42	0 54	0 43	20 25	0 10	19 41	3 50	23 18	23 13	17 2	9 36	6 34			
T 27	16 25	1n58	5 2	16 43	0s10	1 19	1 23	1 33	1 20	1 55	1 33	9 28	2 42	0 53	0 43	20 25	0 10	19 41	3 50	23 19	23 13	17 4	9 36	6 35			
F 28	16 42	7 45	4 39	16 16	0 28	0 57	1 26	1 15	1 20	1 54	1 33	9 26	2 42	0 52	0 43	20 24	0 10	19 41	3 50	23 19	23 13	17 6	9 35	6 35			
S 29	16 59	13 10	3 56	15 49	0 45	0 35	1 30	0 56	1 20	1 52	1 33	9 25	2 42	0 51	0 43	20 24	0 10	19 41	3 50	23 19	23 13	17 8	9 34	6 35			
S 30	17n15	17n47	2s56	15n23	1s 2	0s12	1s33	0s38	1s20	1s50	1n33	9s23	2n42	0s50	0s43	20n24	0s10	19n41	3s49	23n20	23n14	17s10	9s34	6n36			

ASTRODIENST EPHEMERIS for the year 1424

geocentric

MAY 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 10 29	18°59'05	17°11'16	14°R23	4°Y 8	2°Y14	8°R 7	1°R 7	29°K35	28°E19	28°II58	6°R56	8°E40	0°K29	16°E47	M 1
T 2	15 14 26	19°56'50	2°E 6	13°E50	5°13	2°59	8°E 3	1°E 2	29°38	28°20	29° 0	6°D55	8°37	0°35	16°48	T 2
W 3	15 18 22	20°54'33	16°34	13°20	6°17	3°45	7°58	0°58	29°40	28°21	29° 1	6°E55	8°33	0°42	16°49	W 3
T 4	15 22 19	21°52'14	0°E37	12°52	7°22	4°30	7°55	0°54	29°43	28°22	29° 2	6°56	8°30	0°49	16°49	T 4
F 5	15 26 15	22°49'54	14°16	12°27	8°27	5°16	7°51	0°50	29°45	28°23	29° 3	6°57	8°27	0°55	16°50	F 5
S 6	15 30 12	23°47'33	27°30	12° 5	9°32	6° 1	7°47	0°46	29°47	28°24	29° 5	6°R57	8°24	1° 2	16°50	S 6
S 7	15 34 8	24°45'09	10°E25	11°47	10°38	6°46	7°44	0°42	29°50	28°26	29° 6	6°56	8°21	1° 9	16°51	S 7
M 8	15 38 5	25°42'44	23° 2	11°34	11°43	7°31	7°40	0°38	29°52	28°27	29° 7	6°53	8°18	1°15	16°51	M 8
T 9	15 42 1	26°40'18	5°E24	11°24	12°49	8°17	7°37	0°35	29°54	28°28	29° 8	6°48	8°14	1°22	16°51	T 9
W10	15 45 58	27°37'50	17°36	11°18	13°55	9° 2	7°34	0°31	29°56	28°29	29°10	6°42	8°11	1°29	16°51	W10
T11	15 49 55	28°35'21	29°39	11°D17	15° 1	9°47	7°32	0°27	29°59	28°31	29°11	6°35	8° 8	1°35	16°51	T11
F12	15 53 51	29°32'51	11°E35	11°20	16° 7	10°32	7°29	0°23	0°Y 1	28°32	29°12	6°29	8° 5	1°42	16°R51	F12
S13	15 57 48	0°II30'19	23°27	11°28	17°13	11°17	7°27	0°20	0° 3	28°33	29°14	6°23	8° 2	1°49	16°51	S13
S14	16 1 44	1°27'47	5°E17	11°41	18°20	12° 2	7°25	0°16	0° 5	28°35	29°15	6°18	7°58	1°55	16°51	S14
M15	16 5 41	2°25'13	17° 6	11°57	19°26	12°47	7°22	0°13	0° 7	28°36	29°16	6°14	7°55	2° 2	16°51	M15
T16	16 9 37	3°22'39	28°57	12°19	20°33	13°32	7°21	0° 9	0° 9	28°37	29°18	6°13	7°52	2° 9	16°51	T16
W17	16 13 34	4°20'04	10°E52	12°44	21°40	14°17	7°19	0° 6	0°11	28°39	29°19	6°D13	7°49	2°15	16°51	W17
T18	16 17 30	5°17'27	22°54	13°14	22°47	15° 1	7°17	0° 3	0°13	28°40	29°20	6°14	7°46	2°22	16°51	T18
F19	16 21 27	6°14'51	5°E 7	13°48	23°54	15°46	7°16	29°E59	0°14	28°42	29°22	6°15	7°43	2°29	16°50	F19
S20	16 25 24	7°12'13	17°35	14°26	25° 1	16°31	7°15	29°56	0°16	28°43	29°23	6°17	7°39	2°35	16°50	S20
S21	16 29 20	8° 9'35	0°K20	15° 8	26° 9	17°15	7°14	29°53	0°18	28°45	29°24	6°18	7°36	2°42	16°49	S21
M22	16 33 17	9° 6'56	13°29	15°54	27°16	18° 0	7°13	29°50	0°20	28°46	29°26	6°R18	7°33	2°49	16°49	M22
T23	16 37 13	10° 4'17	27° 2	16°44	28°24	18°44	7°13	29°47	0°21	28°48	29°27	6°17	7°30	2°55	16°48	T23
W24	16 41 10	11° 1'37	11°Y 2	17°38	29°32	19°29	7°12	29°45	0°23	28°50	29°29	6°15	7°27	3° 2	16°47	W24
T25	16 45 6	11°58'57	25°27	18°35	0°E40	20°13	7°12	29°42	0°25	28°51	29°30	6°12	7°24	3° 9	16°47	T25
F26	16 49 3	12°56'16	10°E15	19°36	1°48	20°58	7°D12	29°39	0°26	28°53	29°32	6° 9	7°20	3°15	16°46	F26
S27	16 52 59	13°53'35	25°19	20°40	2°56	21°42	7°12	29°37	0°28	28°54	29°33	6° 6	7°17	3°22	16°45	S27
S28	16 56 56	14°50'54	10°II31	21°48	4° 4	22°26	7°12	29°34	0°29	28°56	29°34	6° 4	7°14	3°29	16°44	S28
M29	17 0 53	15°48'12	25°40	23° 0	5°12	23°10	7°13	29°32	0°30	28°58	29°36	6° 3	7°11	3°35	16°43	M29
T30	17 4 49	16°45'29	10°E37	24°14	6°20	23°54	7°13	29°29	0°32	29° 0	29°37	6°D 3	7° 8	3°42	16°42	T30
W31	17 8 46	17°II42'46	25°E15	25°E32	7°E29	24°Y38	7°E14	29°E27	0°Y33	29°E 1	29°II39	6°E 3	7°E 4	3°E49	16°E41	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	17n31	21n11	1s44	14n56	1s19	0n11	1s36	0s20	1s20	1s49	1n32	9s22	2n42	0s49	0s43	20n24	0s10	19n41	3s49	23n20	23n14	17s12	9s33	6n36			
T 2	17 47	23 4	0 26	14 31	1 36	0 34	1 39	0 2	1 20	1 47	1 32	9 21	2 42	0 48	0 43	20 24	0 10	19 41	3 49	23 20	23 14	17 14	9 32	6 37			
W 3	18 2	23 21	0n52	14 7	1 52	0 57	1 42	0n17	1 20	1 46	1 32	9 19	2 41	0 47	0 43	20 24	0 10	19 41	3 49	23 20	23 14	17 16	9 32	6 37			
T 4	18 17	22 7	2 5	13 44	2 7	1 20	1 45	0 35	1 20	1 45	1 32	9 18	2 41	0 46	0 43	20 23	0 10	19 42	3 49	23 20	23 14	17 18	9 31	6 37			
F 5	18 32	19 36	3 8	13 23	2 21	1 43	1 47	0 53	1 19	1 43	1 32	9 17	2 41	0 45	0 43	20 23	0 10	19 42	3 49	23 20	23 15	17 20	9 31	6 38			
S 6	18 47	16 7	4 0	13 4	2 34	2 7	1 50	1 11	1 19	1 42	1 31	9 16	2 41	0 45	0 43	20 23	0 10	19 42	3 49	23 20	23 15	17 22	9 30	6 38			
S 7	19 1	11 58	4 37	12 47	2 46	2 30	1 52	1 29	1 19	1 41	1 31	9 14	2 41	0 44	0 43	20 23	0 10	19 42	3 49	23 20	23 15	17 24	9 30	6 39			
M 8	19 15	7 23	5 1	12 32	2 58	2 54	1 54	1 47	1 19	1 40	1 31	9 13	2 41	0 43	0 43	20 22	0 10	19 42	3 49	23 20	23 15	17 26	9 29	6 39			
T 9	19 28	2 35	5 10	12 19	3 8	3 17	1 57	2 5	1 19	1 39	1 31	9 12	2 41	0 42	0 43	20 22	0 10	19 42	3 49	23 20	23 15	17 28	9 29	6 39			
W10	19 42	2s14	5 4	12 9	3 17	3 41	1 59	2 23	1 19	1 38	1 30	9 11	2 41	0 41	0 43	20 22	0 10	19 42	3 48	23 21	23 16	17 30	9 28	6 40			
T11	19 54	6 56	4 45	12 1	3 25	4 5	2 0	2 41	1 19	1 37	1 30	9 10	2 40	0 40	0 43	20 22	0 10	19 42	3 48	23 21	23 16	17 32	9 28	6 40			
F12	20 7	11 20	4 14	11 56	3 31	4 29	2 2	2 59	1 19	1 36	1 30	9 9	2 40	0 39	0 43	20 21	0 10	19 42	3 48	23 21	23 16	17 34	9 28	6 41			
S13	20 19	15 16	3 32	11 53	3 37	4 53	2 4	3 16	1 18	1 36	1 30	9 7	2 40	0 39	0 43	20 21	0 10	19 43	3 48	23 22	23 16	17 36	9 27	6 41			
S14	20 31	18 37	2 41	11 52	3 42	5 17	2 5	3 34	1 18	1 35	1 29	9 6	2 40	0 38	0 43	20 21	0 10	19 43	3 48	23 22	23 16	17 38	9 27	6 41			
M15	20 43	21 11	1 43	11 54	3 45	5 40	2 7	3 52	1 18	1 34	1 29	9 5	2 40	0 37	0 43	20 21	0 10	19 43	3 48	23 22	23 17	17 40	9 27	6 42			
T16	20 54	22 51	0 40	11 58	3 47	6 4	2 8	4 10	1 18	1 34	1 29	9 4	2 40	0 36	0 43	20 20	0 10	19 43	3 48	23 22	23 17	17 42	9 26	6 42			
W17	21 5	23 29	0s26	12 4	3 49	6 28	2 9	4 27	1 18	1 33	1 29	9 3	2 39	0 35	0 43	20 20	0 10	19 43	3 48	23 22	23 17	17 44	9 26	6 42			
T18	21 15	23 3	1 30	12 13	3 49	6 52	2 10	4 45	1 17	1 33	1 28	9 2	2 39	0 35	0 43	20 20	0 10	19 43	3 48	23 22	23 17	17 46	9 26	6 43			
F19	21 25	21 30	2 32	12 23	3 49	7 16	2 11	5 2	1 17	1 33	1 28	9 1	2 39	0 34	0 43	20 20	0 10	19 43	3 48	23 22	23 17	17 48	9 25	6 43			
S20	21 35	18 54	3 28	12 36	3 48	7 40	2 12	5 20	1 17	1 33	1 28	9 0	2 39	0 33	0 43	20 19	0 10	19 43	3 47	23 22	23 17	17 50	9 25	6 44			
S21	21 44	15 21	4 15	12 50	3 45	8 4	2 13	5 37	1 17	1 32	1 27	9 0	2 39	0 33	0 43	20 19	0 10	19 43	3 47	23 22	23 18	17 52	9 25	6 44			
M22	21 53	10 58	4 50	13 6	3 42	8 27	2 14	5 54	1 17	1 32	1 27	8 59	2 38	0 32	0 44	20 19	0 10	19 43	3 47	23 22	23 18	17 54	9 25	6 44			
T23	22 2	5 56	5 10	13 24	3 38	8 51	2 14	6 11	1 16	1 32	1 27	8 58	2 38	0 31	0 44	20 18	0 10	19 44	3 47	23 22	23 18	17 56	9 25	6 45			
W24	22 10	0 26	5 13	13 43	3 34	9 15	2 14	6 28	1 16	1 32	1 27	8 57	2 38	0 31	0 44	20 18	0 10	19 44	3 47	23 22	23 18	17 58	9 24	6 45			
T25	22 18	5n16	4 57	14 4	3 29	9 38	2 15	6 45	1 16	1 33	1 26	8 56	2 38	0 30	0 44	20 18	0 10	19 44	3 47	23 22	23 18	18 0	9 24	6 46			
F26	22 25	10 49	4 21	14 26	3 23	10 1	2 15	7 2	1 15	1 33	1 26	8 56	2 38	0 30	0 44	20 17	0 10	19 44	3 47	23 22	23 19	18 2	9 24	6 46			
S27	22 32	15 49	3 26	14 50	3 16	10 25	2 15	7 19	1 15	1 33	1 26	8 55	2 37	0 29	0 44	20 17	0 10	19 44	3 47	23 22	23 19	18 4	9 24	6 46			
S28	22 39	19 51	2 16	15 14	3 9	10 48	2 15	7 36	1 15	1 34	1 26	8 54	2 37	0 28	0 44	20 17	0 10	19 44	3 47	23 22	23 19	18 6	9 24	6 47			
M29	22 45	22 30	0 57	15 40	3 1	11 11	2 15	7 53	1 15	1 34	1 25	8 54	2 37	0 28	0 44	20 16	0 10	19 44	3 47	23 22	23 19	18 8	9 24	6 47			
T30	22 51	23 30	0n25	16 6	2 52	11 33	2 15	8 9	1 14	1 34	1 25	8 53	2 37	0 27	0 44	20 16	0 10	19 44	3 47	23 23	23 19	18 10	9 24	6 47			
W31	22n57	22n52	1n44	16n33	2s44	11n56	2s14	8n26	1s14	1s35	1n25	8s52	2n36	0s27	0s44	20n16	0s10	19n44	3s47	23n22	23n19	18s12	9s24	6n48			

ASTRODIENST EPHEMERIS for the year 1424

geocentric

JUNE 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 12 42	18 ^{II} 40'01	9 ^{II} 29	26 ^{III} 53	8 ^{III} 37	25 ^V 22	7 ^{II} 15	29°R25	0 ^V 34	29 ^{III} 3	29 ^{II} 40	6 ^{III} 4	7 ^{III} 1	3 ^{III} 55	16°R40	T 1
F 2	17 16 39	19°37'16	23°16	28°17	9°46	26° 6	7°16	29 ^{III} 23	0°36	29° 5	29°42	6° 6	6°58	4° 2	16 ^{III} 38	F 2
S 3	17 20 35	20°34'31	6 ^{III} 38	29°45	10°55	26°50	7°18	29°21	0°37	29° 7	29°43	6° 7	6°55	4° 9	16°37	S 3
S 4	17 24 32	21°31'44	19°35	1 ^{II} 16	12° 3	27°34	7°19	29°19	0°38	29° 9	29°45	6°R 7	6°52	4°15	16°36	S 4
M 5	17 28 29	22°28'57	2 ^{II} 12	2°50	13°12	28°17	7°21	29°17	0°39	29°10	29°46	6° 7	6°49	4°22	16°34	M 5
T 6	17 32 25	23°26'09	14°32	4°27	14°21	29° 1	7°23	29°15	0°40	29°12	29°48	6° 6	6°45	4°29	16°33	T 6
W 7	17 36 22	24°23'21	26°38	6° 7	15°30	29°44	7°25	29°13	0°41	29°14	29°49	6° 5	6°42	4°35	16°31	W 7
T 8	17 40 18	25°20'32	8 ^{III} 36	7°50	16°39	0 ^{III} 28	7°27	29°12	0°42	29°16	29°51	6° 3	6°39	4°42	16°30	T 8
F 9	17 44 15	26°17'42	20°27	9°36	17°49	1°11	7°30	29°10	0°43	29°18	29°52	6° 2	6°36	4°49	16°28	F 9
S 10	17 48 11	27°14'53	2 ^{III} 17	11°25	18°58	1°54	7°32	29° 9	0°44	29°20	29°54	6° 1	6°33	4°55	16°27	S 10
S 11	17 52 8	28°12'03	14° 6	13°16	20° 7	2°38	7°35	29° 8	0°45	29°22	29°55	6° 0	6°30	5° 2	16°25	S 11
M12	17 56 4	29° 9'13	25°58	15°11	21°17	3°21	7°38	29° 7	0°45	29°24	29°57	5°59	6°26	5° 9	16°23	M12
T 13	18 0 1	0 ^{III} 6'22	7 ^{III} 55	17° 8	22°26	4° 4	7°41	29° 6	0°46	29°26	29°58	5°D59	6°23	5°15	16°21	T 13
W14	18 3 58	1° 3'32	19°59	19° 7	23°36	4°47	7°44	29° 5	0°47	29°28	29°59	5°59	6°20	5°22	16°19	W14
T 15	18 7 54	2° 0'42	2 ^{III} 12	21° 8	24°46	5°30	7°48	29° 4	0°47	29°30	0 ^{III} 1	6° 0	6°17	5°29	16°17	T 15
F 16	18 11 51	2°57'51	14°37	23°12	25°55	6°13	7°51	29° 3	0°48	29°32	0° 3	6° 0	6°14	5°35	16°15	F 16
S 17	18 15 47	3°55'01	27°14	25°17	27° 5	6°56	7°55	29° 2	0°48	29°34	0° 4	6° 0	6°10	5°42	16°13	S 17
S 18	18 19 44	4°52'11	10 ^{III} 8	27°24	28°15	7°38	7°59	29° 2	0°49	29°36	0° 6	6° 0	6° 7	5°49	16°11	S 18
M19	18 23 40	5°49'22	23°19	29°32	29°25	8°21	8° 3	29° 1	0°49	29°38	0° 7	6°R 0	6° 4	5°55	16° 9	M19
T 20	18 27 37	6°46'32	6 ^V 50	1 ^{III} 40	0 ^{III} 35	9° 4	8° 7	29° 1	0°50	29°40	0° 8	6°D 0	6° 1	6° 2	16° 7	T 20
W21	18 31 33	7°43'43	20°42	3°50	1°45	9°46	8°12	29° 0	0°50	29°42	0°10	6° 0	5°58	6° 9	16° 5	W21
T 22	18 35 30	8°40'55	4 ^{III} 54	6° 0	2°56	10°28	8°16	29° 0	0°50	29°44	0°11	6° 1	5°55	6°15	16° 3	T 22
F 23	18 39 27	9°38'07	19°25	8° 9	4° 6	11°11	8°21	29° 0	0°51	29°46	0°13	6° 1	5°51	6°22	16° 0	F 23
S 24	18 43 23	10°35'20	4 ^{II} 11	10°19	5°16	11°53	8°26	29°D 0	0°51	29°49	0°14	6° 1	5°48	6°29	15°58	S 24
S 25	18 47 20	11°32'33	19° 6	12°28	6°27	12°35	8°31	29° 0	0°51	29°51	0°16	6° 2	5°45	6°35	15°56	S 25
M26	18 51 16	12°29'47	4 ^{III} 3	14°36	7°37	13°17	8°36	29° 0	0°51	29°53	0°17	6°R 2	5°42	6°42	15°53	M26
T 27	18 55 13	13°27'01	18°53	16°43	8°48	13°59	8°41	29° 0	0°R51	29°55	0°19	6° 2	5°39	6°49	15°51	T 27
W28	18 59 9	14°24'15	3 ^{II} 30	18°50	9°58	14°41	8°47	29° 1	0°51	29°57	0°20	6° 1	5°36	6°55	15°48	W28
T 29	19 3 6	15°21'30	17°46	20°55	11° 9	15°23	8°53	29° 1	0°51	29°59	0°22	6° 0	5°32	7° 2	15°46	T 29
F 30	19 7 2	16°18'44	1 ^{III} 39	22°58	12 ^{II} 20	16° 5	8°58	29° 2	0°V51	0° 1	0°23	5°59	5°29	7° 9	15°43	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n 2	20n44	2n54	17n 1	2s34	12n18	2s14	8n42	1s14	1s36	1n24	8s52	2n36	0s26	0s44	20n15
F 2	23 6	17 27	3 52	17 30	2 24	12 40	2 14	8 58	1 13	1 36	1 24	8 51	2 36	0 26	0 44	20 15
S 3	23 11	13 22	4 36	17 58	2 14	13 2	2 13	9 15	1 13	1 37	1 24	8 51	2 36	0 26	0 44	20 15
S 4	23 15	8 47	5 3	18 28	2 4	13 24	2 12	9 31	1 12	1 38	1 24	8 50	2 35	0 25	0 44	20 14
M 5	23 18	3 57	5 16	18 57	1 53	13 46	2 12	9 47	1 12	1 39	1 23	8 50	2 35	0 25	0 44	20 14
T 6	23 21	0s56	5 13	19 26	1 42	14 7	2 11	10 2	1 12	1 40	1 23	8 50	2 35	0 24	0 44	20 14
W 7	23 24	5 42	4 56	19 55	1 30	14 28	2 10	10 18	1 11	1 41	1 23	8 49	2 35	0 24	0 44	20 13
T 8	23 26	10 12	4 27	20 23	1 19	14 49	2 9	10 34	1 11	1 42	1 23	8 49	2 35	0 24	0 44	20 13
F 9	23 28	14 17	3 46	20 51	1 7	15 9	2 8	10 49	1 11	1 43	1 22	8 49	2 34	0 23	0 44	20 12
S 10	23 29	17 48	2 56	21 19	0 55	15 29	2 6	11 5	1 10	1 45	1 22	8 48	2 34	0 23	0 44	20 12
S 11	23 30	20 36	1 58	21 45	0 43	15 49	2 5	11 20	1 10	1 46	1 22	8 48	2 34	0 23	0 44	20 12
M12	23 31	22 32	0 55	22 10	0 31	16 9	2 4	11 35	1 9	1 47	1 21	8 48	2 34	0 22	0 44	20 11
T 13	23 31	23 27	0s11	22 34	0 20	16 28	2 2	11 50	1 9	1 49	1 21	8 48	2 33	0 22	0 44	20 11
W14	23 31	23 17	1 17	22 56	0 8	16 47	2 1	12 5	1 8	1 50	1 21	8 48	2 33	0 22	0 44	20 10
T 15	23 30	22 1	2 21	23 16	0n 3	17 5	1 59	12 20	1 8	1 52	1 21	8 48	2 33	0 22	0 44	20 10
F 16	23 29	19 40	3 18	23 35	0 14	17 23	1 58	12 34	1 7	1 54	1 20	8 48	2 32	0 22	0 44	20 10
S 17	23 27	16 21	4 8	23 51	0 25	17 41	1 56	12 49	1 7	1 55	1 20	8 48	2 32	0 21	0 44	20 9
S 18	23 25	12 12	4 46	24 4	0 35	17 58	1 54	13 3	1 6	1 57	1 20	8 48	2 32	0 21	0 44	20 9
M19	23 23	7 24	5 10	24 16	0 45	18 15	1 52	13 18	1 6	1 59	1 20	8 48	2 32	0 21	0 44	20 8
T 20	23 20	2 8	5 18	24 24	0 54	18 32	1 51	13 32	1 5	2 1	1 19	8 48	2 31	0 21	0 44	20 8
W21	23 17	3n22	5 7	24 30	1 3	18 48	1 49	13 46	1 5	2 3	1 19	8 48	2 31	0 21	0 45	20 7
T 22	23 14	8 50	4 38	24 33	1 11	19 4	1 47	13 59	1 4	2 5	1 19	8 48	2 31	0 21	0 45	20 7
F 23	23 10	13 56	3 51	24 33	1 18	19 19	1 45	14 13	1 4	2 7	1 19	8 48	2 31	0 21	0 45	20 7
S 24	23 5	18 18	2 48	24 31	1 24	19 34	1 42	14 27	1 3	2 9	1 18	8 49	2 30	0 21	0 45	20 6
S 25	23 1	21 32	1 33	24 25	1 30	19 48	1 40	14 40	1 3	2 11	1 18	8 49	2 30	0 21	0 45	20 6
M26	22 55	23 16	0 11	24 17	1 35	20 2	1 38	14 53	1 2	2 14	1 18	8 49	2 30	0 21	0 45	20 5
T 27	22 50	23 21	1n11	24 6	1 39	20 16	1 36	15 6	1 2	2 16	1 18	8 49	2 30	0 21	0 45	20 5
W28	22 44	21 49	2 27	23 53	1 43	20 29	1 33	15 19	1 1	2 18	1 17	8 50	2 29	0 21	0 45	20 4
T 29	22 38	18 54	3 31	23 37	1 45	20 41	1 31	15 32	1 0	2 21	1 17	8 50	2 29	0 21	0 45	20 4
F 30	22n31	15n 0	4n22	23n19	1n47	20n53	1s29	15n45	1s 0	2s23	1n17	8s51	2n29	0s21	0s45	20n 4

Julian Day Number = 2241325.5, Delta T = 07m13s

Ecliptic obliquity = 23°30'49, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°42'38, Lahiri = 15°49'39 Julian Calendar 1 June 1424 == Greg. Calendar 10 June 1424

ASTRODIENST EPHEMERIS for the year 1424
geocentric

JULY 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 10 59	17°15'59	15°11' 6	25°50 0	13°11'30	16°8'46	9°41 4	29°41 2	0°R51	0°L 4	0°25	5°R58	5°26	7°15	15°R40	S 1
S 2	19 14 56	18°13'14	28° 8	27° 1	14°41	17°28	9°10	29° 3	0°Y50	0° 6	0°26	5°257	5°23	7°22	15°38	S 2
M 3	19 18 52	19°10'30	10°47	29° 0	15°52	18° 9	9°17	29° 4	0°50	0° 8	0°27	5°56	5°20	7°29	15°35	M 3
T 4	19 22 49	20° 7'45	23° 8	0°L57	17° 3	18°50	9°23	29° 5	0°50	0°10	0°29	5°D56	5°16	7°35	15°32	T 4
W 5	19 26 45	21° 5'01	5°11.14	2°53	18°14	19°32	9°29	29° 6	0°50	0°12	0°30	5°56	5°13	7°42	15°30	W 5
T 6	19 30 42	22° 2'18	17° 9	4°47	19°25	20°13	9°36	29° 7	0°49	0°15	0°32	5°57	5°10	7°49	15°27	T 6
F 7	19 34 38	22°59'35	29° 0	6°39	20°36	20°54	9°43	29° 8	0°49	0°17	0°33	5°59	5° 7	7°55	15°24	F 7
S 8	19 38 35	23°56'52	10°47.49	8°30	21°48	21°35	9°50	29°10	0°48	0°19	0°34	6° 0	5° 4	8° 2	15°21	S 8
S 9	19 42 31	24°54'10	22°40	10°18	22°59	22°16	9°57	29°11	0°48	0°21	0°36	6° 1	5° 1	8° 9	15°18	S 9
M10	19 46 28	25°51'28	4°38	12° 6	24°10	22°56	10° 4	29°13	0°47	0°23	0°37	6°R 2	4°57	8°15	15°15	M10
T 11	19 50 25	26°48'47	16°44	13°51	25°22	23°37	10°11	29°14	0°46	0°26	0°39	6° 1	4°54	8°22	15°13	T 11
W12	19 54 21	27°46'07	29° 1	15°34	26°33	24°17	10°18	29°16	0°46	0°28	0°40	6° 0	4°51	8°29	15°10	W12
T 13	19 58 18	28°43'28	11°30	17°16	27°45	24°58	10°26	29°18	0°45	0°30	0°41	5°58	4°48	8°35	15° 7	T 13
F 14	20 2 14	29°40'50	24°12	18°57	28°56	25°38	10°34	29°20	0°44	0°32	0°43	5°54	4°45	8°42	15° 4	F 14
S 15	20 6 11	0°L38'12	7°H 8	20°35	0°28 8	26°18	10°41	29°22	0°43	0°35	0°44	5°51	4°42	8°49	15° 1	S 15
S 16	20 10 7	1°35'36	20°17	22°12	1°20	26°59	10°49	29°24	0°43	0°37	0°45	5°47	4°38	8°55	14°58	S 16
M17	20 14 4	2°33'00	3°Y41	23°47	2°31	27°39	10°57	29°26	0°42	0°39	0°47	5°44	4°35	9° 2	14°55	M17
T 18	20 18 0	3°30'26	17°18	25°21	3°43	28°19	11° 5	29°28	0°41	0°41	0°48	5°42	4°32	9° 9	14°52	T 18
W19	20 21 57	4°27'54	1°8 9	26°52	4°55	28°58	11°14	29°30	0°40	0°43	0°49	5°D41	4°29	9°15	14°49	W19
T 20	20 25 54	5°25'22	15°13	28°22	6° 7	29°38	11°22	29°33	0°39	0°46	0°50	5°41	4°26	9°22	14°46	T 20
F 21	20 29 50	6°22'52	29°28	29°51	7°19	0°H18	11°31	29°35	0°38	0°48	0°52	5°42	4°22	9°29	14°42	F 21
S 22	20 33 47	7°20'24	13°H53	1°H18	8°31	0°57	11°39	29°38	0°36	0°50	0°53	5°44	4°19	9°35	14°39	S 22
S 23	20 37 43	8°17'57	28°25	2°43	9°43	1°37	11°48	29°41	0°35	0°52	0°54	5°R45	4°16	9°42	14°36	S 23
M24	20 41 40	9°15'31	12°259	4° 6	10°56	2°16	11°57	29°44	0°34	0°55	0°55	5°45	4°13	9°49	14°33	M24
T 25	20 45 36	10°13'07	27°29	5°27	12° 8	2°55	12° 6	29°47	0°33	0°57	0°57	5°43	4°10	9°55	14°30	T 25
W26	20 49 33	11°10'43	11°L51	6°47	13°20	3°34	12°15	29°50	0°32	0°59	0°58	5°40	4° 7	10° 2	14°27	W26
T 27	20 53 29	12° 8'21	25°57	8° 4	14°32	4°13	12°24	29°53	0°30	1° 1	0°59	5°35	4° 3	10° 9	14°24	T 27
F 28	20 57 26	13° 6'00	9°H45	9°20	15°45	4°52	12°33	29°56	0°29	1° 3	1° 0	5°29	4° 0	10°15	14°21	F 28
S 29	21 1 23	14° 3'41	23°11	10°34	16°57	5°30	12°42	29°59	0°27	1° 6	1° 1	5°23	3°57	10°22	14°18	S 29
S 30	21 5 19	15° 1'22	6°L14	11°45	18°10	6° 9	12°52	0°M 2	0°26	1° 8	1° 2	5°17	3°54	10°29	14°14	S 30
M31	21 9 16	15°L59'04	18°L55	12°H55	19°222	6°H47	13°L 1	0°M 6	0°Y24	1°L10	1°2 4	5°213	3°51	10°235	14°11	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	22n24	10n26	4n56	22n59	1n49	21n 4	1s26	15n57	0s59	2s26	1n17	8s51	2n28	0s21	0s45	20n 3	0s 9	19n46	3s45	23n23	23n24	19s11	9s33	6n56	
S 2	22 16	5 33	5 14	22 36	1 49	21 15	1 24	16 10	0 59	2 29	1 16	8 52	2 28	0 21	0 45	20 3	0 9	19 46	3 45	23 23	23 24	19 13	9 34	6 57	
M 3	22 8	0 33	5 16	22 12	1 49	21 25	1 21	16 22	0 58	2 31	1 16	8 52	2 28	0 21	0 45	20 2	0 9	19 46	3 45	23 23	23 24	19 15	9 34	6 57	
T 4	22 0	4s20	5 3	21 46	1 49	21 35	1 18	16 34	0 57	2 34	1 16	8 53	2 28	0 21	0 45	20 2	0 9	19 46	3 45	23 23	23 24	19 17	9 35	6 57	
W 5	21 51	8 58	4 36	21 19	1 47	21 44	1 16	16 46	0 57	2 37	1 16	8 53	2 27	0 21	0 45	20 1	0 9	19 46	3 45	23 23	23 25	19 19	9 36	6 57	
T 6	21 42	13 12	3 59	20 50	1 45	21 53	1 13	16 57	0 56	2 40	1 15	8 54	2 27	0 22	0 45	20 1	0 9	19 46	3 45	23 23	23 25	19 20	9 36	6 57	
F 7	21 33	16 54	3 11	20 20	1 43	22 0	1 10	17 9	0 55	2 42	1 15	8 55	2 27	0 22	0 45	20 0	0 9	19 46	3 45	23 23	23 25	19 22	9 37	6 57	
S 8	21 23	19 55	2 15	19 48	1 40	22 8	1 8	17 20	0 55	2 45	1 15	8 55	2 27	0 22	0 45	20 0	0 9	19 46	3 45	23 23	23 25	19 24	9 38	6 57	
S 9	21 13	22 6	1 13	19 15	1 36	22 15	1 5	17 31	0 54	2 48	1 15	8 56	2 26	0 22	0 45	19 59	0 9	19 46	3 45	23 23	23 25	19 26	9 38	6 58	
M10	21 2	23 18	0 8	18 42	1 32	22 21	1 2	17 42	0 53	2 51	1 14	8 57	2 26	0 23	0 45	19 59	0 9	19 46	3 45	23 23	23 25	19 28	9 39	6 58	
T 11	20 52	23 26	0s59	18 7	1 28	22 26	0 59	17 53	0 53	2 54	1 14	8 58	2 26	0 23	0 45	19 58	0 9	19 46	3 45	23 23	23 25	19 30	9 40	6 58	
W12	20 40	22 26	2 3	17 32	1 23	22 31	0 57	18 4	0 52	2 58	1 14	8 59	2 26	0 23	0 45	19 58	0 9	19 46	3 45	23 23	23 25	19 31	9 40	6 58	
T 13	20 29	20 19	3 3	16 56	1 17	22 36	0 54	18 14	0 51	3 1	1 14	9 0	2 25	0 24	0 45	19 58	0 9	19 46	3 45	23 23	23 26	19 33	9 41	6 58	
F 14	20 17	17 11	3 55	16 19	1 11	22 40	0 51	18 25	0 50	3 4	1 14	9 0	2 25	0 24	0 45	19 57	0 9	19 46	3 45	23 23	23 26	19 35	9 42	6 58	
S 15	20 5	13 11	4 35	15 42	1 5	22 43	0 48	18 35	0 50	3 7	1 13	9 1	2 25	0 24	0 45	19 57	0 9	19 46	3 45	23 23	23 26	19 37	9 43	6 58	
S 16	19 52	8 29	5 2	15 4	0 58	22 45	0 45	18 45	0 49	3 10	1 13	9 2	2 24	0 25	0 45	19 56	0 9	19 46	3 45	23 23	23 26	19 39	9 43	6 58	
M17	19 39	3 19	5 13	14 27	0 51	22 47	0 42	18 55	0 48	3 14	1 13	9 3	2 24	0 25	0 45	19 56	0 9	19 46	3 45	23 23	23 26	19 40	9 44	6 58	
T 18	19 26	2n 5	5 7	13 48	0 44	22 48	0 40	19 5	0 47	3 17	1 13	9 4	2 24	0 25	0 45	19 55	0 9	19 46	3 45	23 23	23 26	19 42	9 45	6 58	
W19	19 12	7 29	4 43	13 10	0 37	22 49	0 37	19 14	0 47	3 21	1 13	9 6	2 24	0 26	0 45	19 55	0 9	19 46	3 45	23 23	23 26	19 44	9 46	6 58	
T 20	18 58	12 35	4 2	12 31	0 29	22 49	0 34	19 23	0 46	3 24	1 12	9 7	2 23	0 26	0 45	19 54	0 9	19 46	3 45	23 23	23 26	19 46	9 47	6 59	
F 21	18 44	17 5	3 6	11 53	0 20	22 48	0 31	19 33	0 45	3 28	1 12	9 8	2 23	0 27	0 46	19 54	0 9	19 46	3 45	23 23	23 26	19 48	9 48	6 59	
S 22	18 30	20 36	1 57	11 14	0 12	22 46	0 28	19 42	0 44	3 31	1 12	9 9	2 23	0 27	0 46	19 53	0 9	19 46	3 45	23 23	23 27	19 49	9 48	6 59	
S 23	18 15	22 50	0 40	10 36	0 3	22 44	0 25	19 50	0 43	3 35	1 12	9 10	2 23	0 28	0 46	19 53	0 9	19 46	3 45	23 23	23 27	19 51	9 49	6 59	
M24	18 0	23 32	0n39	9 57	0s 6	22 42	0 22	19 59	0 43	3 38	1 12	9 11	2 22	0 28	0 46	19 52	0 9	19 46	3 45	23 23	23 27	19 53	9 50	6 59	
T 25	17 44	22 37	1 56	9 19	0 5	22 38	0 19	20 7	0 42	3 42	1 11	9 13	2 22	0 29	0 46	19 52	0 9	19 46	3 45	23 23	23 27	19 55	9 51	6 59	
W26	17 29	20 14	3 4	8 41	0 24	22 34	0 16	20 16	0 41	3 46	1 11	9 14	2 22	0 29	0 46	19 51	0 9	19 46	3 45	23 24	23 27	19 57	9 52	6 59	
T 27	17 12	16 40	4 0	8 3	0 33	22 30	0 13	20 24	0 40	3 50	1 11	9 15	2 22	0 30	0 46	19 51	0 9	19 46	3 45	23 24	23 27	19 58	9 53	6 59	
F 28	16 56	12 15	4 40	7 26	0 43	22 24	0 11	20 32	0 39	3 53	1 11	9 17	2 21	0 30	0 46	19 50	0 9	19 46	3 45	23 24	23 27	20 0	9 54	6 59	
S 29	16 40	7 21	5 3	6 49	0 53	22 18	0 8	20 40	0 38	3 57	1 11	9 18	2 21	0 31	0 46	19 50	0 9	19 46	3 45	23 24	23 27	20 2	9 55	6 59	
S 30	16 23	2 16	5 10	6 13	1 3	22 12	0 5	20 47	0 37	4 1	1 10	9 19	2 21	0 32	0 46	19 50	0 9	19 46	3 45	23 24	23 27	20 4	9 56	6 58	
M31	16n 6	2s47	5n 2	5n37	1s13	22n 5	0s 2	20n55	0s37	4s 5	1n10	9s21	2n21	0s32	0s46	19n49	0s 9	19n46	3s45	23n25	23n27	20s 5	9s56	6n58	

ASTRODIENST EPHEMERIS for the year 1424

geocentric

AUGUST 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 13 12	16°56'48	1♈16	14♍20	20♊35	7♋25	13♌11	0♍9	0°R23	1♈12	1°5	5°R10	3♊48	10♋42	14°R 8	T 1
W 2	21 17 9	17°54'33	13°23	15° 7	21°48	8° 3	13°21	0°13	0°Y21	1°14	1° 6	5°D 8	3°44	10°48	14°48 5	W 2
T 3	21 21 5	18°52'19	25°18	16°10	23° 0	8°41	13°31	0°16	0°20	1°16	1° 7	5°5 8	3°41	10°55	14° 2	T 3
F 4	21 25 2	19°50'06	7♌8	17°10	24°13	9°19	13°41	0°20	0°18	1°18	1° 8	5°10	3°38	11° 2	13°59	F 4
S 5	21 28 58	20°47'54	18°58	18° 7	25°26	9°57	13°51	0°24	0°16	1°21	1° 9	5°11	3°35	11° 8	13°56	S 5
S 6	21 32 55	21°45'44	0♊52	19° 2	26°39	10°34	14° 1	0°28	0°15	1°23	1°10	5°R12	3°32	11°15	13°53	S 6
M 7	21 36 52	22°43'34	12°54	19°53	27°52	11°12	14°11	0°32	0°13	1°25	1°11	5°12	3°28	11°22	13°50	M 7
T 8	21 40 48	23°41'27	25° 9	20°41	29° 5	11°49	14°21	0°36	0°11	1°27	1°12	5°10	3°25	11°28	13°47	T 8
W 9	21 44 45	24°39'20	7♌40	21°26	0♋18	12°26	14°32	0°40	0° 9	1°29	1°13	5° 6	3°22	11°35	13°43	W 9
T 10	21 48 41	25°37'15	20°26	22° 8	1°31	13° 3	14°42	0°44	0° 8	1°31	1°14	4°59	3°19	11°42	13°40	T 10
F 11	21 52 38	26°35'12	3♋30	22°45	2°44	13°40	14°53	0°49	0° 6	1°33	1°15	4°51	3°16	11°48	13°37	F 11
S 12	21 56 34	27°33'10	16°49	23°19	3°57	14°17	15° 3	0°53	0° 4	1°35	1°16	4°43	3°13	11°55	13°34	S 12
S 13	22 0 31	28°31'10	0°Y23	23°48	5°11	14°53	15°14	0°57	0° 2	1°37	1°17	4°34	3° 9	12° 2	13°31	S 13
M14	22 4 27	29°29'12	14° 8	24°13	6°24	15°30	15°25	1° 2	29°Y59	1°39	1°18	4°26	3° 6	12° 8	13°28	M14
T 15	22 8 24	0♈27'16	28° 1	24°33	7°37	16° 6	15°36	1° 6	29°58	1°41	1°18	4°20	3° 3	12°15	13°26	T 15
W16	22 12 21	1°25'21	12♊1	24°48	8°51	16°42	15°46	1°11	29°56	1°43	1°19	4°16	3° 0	12°22	13°23	W16
T 17	22 16 17	2°23'29	26° 6	24°57	10° 4	17°18	15°58	1°16	29°54	1°45	1°20	4°14	2°57	12°28	13°20	T 17
F 18	22 20 14	3°21'39	10♈14	25°R 1	11°18	17°54	16° 9	1°21	29°52	1°47	1°21	4°D14	2°54	12°35	13°17	F 18
S 19	22 24 10	4°19'51	24°23	24°59	12°31	18°30	16°20	1°25	29°50	1°49	1°22	4°15	2°50	12°42	13°14	S 19
S 20	22 28 7	5°18'05	8♊33	24°50	13°45	19° 5	16°31	1°30	29°47	1°51	1°22	4°R15	2°47	12°48	13°11	S 20
M21	22 32 3	6°16'21	22°42	24°35	14°58	19°40	16°42	1°35	29°45	1°53	1°23	4°14	2°44	12°55	13° 8	M21
T 22	22 36 0	7°14'39	6♋47	24°14	16°12	20°15	16°54	1°40	29°43	1°55	1°24	4°10	2°41	13° 2	13° 6	T 22
W23	22 39 56	8°12'59	20°45	23°46	17°26	20°50	17° 5	1°45	29°41	1°57	1°25	4° 4	2°38	13° 8	13° 3	W23
T 24	22 43 53	9°11'20	4♈31	23°12	18°40	21°25	17°17	1°51	29°39	1°59	1°25	3°55	2°34	13°15	13° 0	T 24
F 25	22 47 50	10° 9'44	18° 4	22°32	19°53	22° 0	17°28	1°56	29°37	2° 1	1°26	3°44	2°31	13°22	12°58	F 25
S 26	22 51 46	11° 8'09	1♊19	21°45	21° 7	22°34	17°40	2° 1	29°34	2° 2	1°27	3°33	2°28	13°28	12°55	S 26
S 27	22 55 43	12° 6'37	14°15	20°54	22°21	23° 8	17°52	2° 7	29°32	2° 4	1°27	3°22	2°25	13°35	12°52	S 27
M28	22 59 39	13° 5'06	26°52	19°57	23°35	23°42	18° 3	2°12	29°30	2° 6	1°28	3°12	2°22	13°41	12°50	M28
T 29	23 3 36	14° 3'36	9♈12	18°58	24°49	24°16	18°15	2°17	29°27	2° 8	1°28	3° 5	2°19	13°48	12°47	T 29
W30	23 7 32	15° 2'09	21°17	17°55	26° 3	24°50	18°27	2°23	29°25	2° 9	1°29	3° 0	2°15	13°55	12°45	W30
T 31	23 11 29	16°0'43	3♊12	16°52	27°17	25°II23	18°49	2°29	29°23	2°11	1°30	2°57	2°12	14°47	12°42	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n48	7s35	4n39	5n 2	1s23	21n57	0n 1	21n 2	0s36	4s 9	1n10	9s22	2n20	0s33	0s46	19n49
W 2	15 31	12 1	4 4	4 27	1 33	21 48	0 4	21 9	0 35	4 13	1 10	9 24	2 20	0 34	0 46	19 48
T 3	15 13	15 55	3 19	3 54	1 43	21 39	0 6	21 16	0 34	4 17	1 10	9 25	2 20	0 34	0 46	19 48
F 4	14 55	19 10	2 26	3 21	1 53	21 29	0 9	21 22	0 33	4 21	1 9	9 27	2 20	0 35	0 46	19 47
S 5	14 36	21 37	1 27	2 49	2 4	21 19	0 12	21 29	0 32	4 25	1 9	9 28	2 19	0 36	0 46	19 47
S 6	14 18	23 7	0 23	2 18	2 14	21 8	0 15	21 35	0 31	4 29	1 9	9 30	2 19	0 36	0 46	19 46
M 7	13 59	23 35	0s42	1 49	2 24	20 56	0 17	21 42	0 30	4 33	1 9	9 31	2 19	0 37	0 46	19 46
T 8	13 40	22 54	1 46	1 21	2 34	20 44	0 20	21 48	0 29	4 37	1 9	9 33	2 19	0 38	0 46	19 45
W 9	13 21	21 5	2 46	0 54	2 44	20 31	0 23	21 54	0 28	4 41	1 9	9 35	2 19	0 38	0 46	19 45
T 10	13 1	18 11	3 39	0 28	2 54	20 18	0 25	21 59	0 27	4 46	1 8	9 36	2 18	0 39	0 46	19 45
F 11	12 41	14 19	4 22	0 5	3 3	20 3	0 28	22 5	0 26	4 50	1 8	9 38	2 18	0 40	0 46	19 44
S 12	12 22	9 41	4 51	0s17	3 13	19 49	0 30	22 10	0 25	4 54	1 8	9 40	2 18	0 41	0 46	19 44
S 13	12 2	4 30	5 5	0 37	3 22	19 34	0 33	22 15	0 24	4 58	1 8	9 41	2 18	0 42	0 46	19 43
M14	11 41	0n57	5 1	0 55	3 30	19 18	0 35	22 20	0 23	5 3	1 8	9 43	2 17	0 42	0 46	19 43
T 15	11 21	6 26	4 40	1 10	3 38	19 2	0 37	22 25	0 22	5 7	1 8	9 45	2 17	0 43	0 46	19 42
W16	11 0	11 39	4 2	1 23	3 46	18 45	0 40	22 30	0 21	5 11	1 8	9 47	2 17	0 44	0 46	19 42
T 17	10 39	16 16	3 9	1 33	3 53	18 27	0 42	22 34	0 20	5 16	1 7	9 49	2 17	0 45	0 46	19 41
F 18	10 18	20 0	2 5	1 40	3 59	18 9	0 44	22 39	0 19	5 20	1 7	9 51	2 17	0 46	0 46	19 41
S 19	9 57	22 31	0 53	1 44	4 5	17 51	0 47	22 43	0 18	5 25	1 7	9 52	2 16	0 46	0 46	19 41
S 20	9 36	23 37	0n23	1 45	4 9	17 32	0 49	22 47	0 17	5 29	1 7	9 54	2 16	0 47	0 46	19 40
M21	9 14	23 11	1 37	1 42	4 12	17 12	0 51	22 51	0 16	5 33	1 7	9 56	2 16	0 48	0 46	19 40
T 22	8 53	21 17	2 44	1 36	4 15	16 52	0 53	22 55	0 14	5 38	1 7	9 58	2 16	0 49	0 46	19 39
W23	8 31	18 7	3 41	1 26	4 15	16 32	0 55	22 58	0 13	5 42	1 7	10 0	2 16	0 50	0 46	19 39
T 24	8 9	13 59	4 24	1 11	4 15	16 11	0 57	23 2	0 12	5 47	1 6	10 2	2 15	0 51	0 46	19 38
F 25	7 47	9 12	4 52	0 53	4 12	15 50	0 59	23 5	0 11	5 52	1 6	10 4	2 15	0 52	0 46	19 38
S 26	7 25	4 6	5 2	0 31	4 8	15 28	1 1	23 8	0 10	5 56	1 6	10 6	2 15	0 53	0 46	19 38
S 27	7 2	1s 4	4 57	0 5	4 2	15 5	1 3	23 11	0 9	6 1	1 6	10 8	2 15	0 54	0 46	19 37
M28	6 40	6 4	4 38	0n24	3 54	14 43	1 4	23 14	0 8	6 5	1 6	10 10	2 15	0 54	0 46	19 37
T 29	6 17	10 44	4 5	0 57	3 44	14 20	1 6	23 17	0 6	6 10	1 6	10 12	2 15	0 55	0 46	19 36
W30	5 55	14 53	3 22	1 32	3 32	13 56	1 8	23 20	0 5	6 15	1 6	10 14	2 14	0 56	0 46	19 36
T 31	5n32	18s23	2n31	2n 9	3s18	13n32	1n 9	23n22	0s 4	6s19	1n 6	10s16	2n14	0s57	0s46	19n36

Julian Day Number = 2241386.5, Delta T = 07m13s

Ecliptic obliquity = 23°30'50, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°42'47, Lahiri = 15°49'47 Julian Calendar 1 Aug. 1424 == Greg. Calendar 10 Aug. 1424

ASTRODIENST EPHEMERIS for the year 1424

geocentric

SEPTEMBER 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 15 25	16 ^h 59 ^m 19 ^s	15 ^h 1 ^m	15°R49	28 ^h 13 ^m	25 ^h 56 ^m	18 ^h 51 ^m	2 ^h 34 ^m	29°R20	2 ^h 13 ^m	1 ^h 30 ^m	2°D56	2 ^h 9 ^m	14 ^h 8 ^m	12°R40	F 1
S 2	23 19 22	17°57'57"	26°50'	14 ^h 48 ^m	29°46'	26°29'	19° 3'	2°40'	29 ^h 18 ^m	2°15'	1°31'	2°R57	2° 6'	14°15'	12 ^h 38 ^m	S 2
S 3	23 23 19	18°56'36"	8 ^h 34 ^m	13°51'	1 ^h 00 ^m	27° 2'	19°15'	2°46'	29°16'	2°16'	1°31'	2 ^h 57 ^m	2° 3'	14°21'	12°35'	S 3
M 4	23 27 15	19°55'17"	20°50'	12°58'	2°14'	27°35'	19°27'	2°52'	29°13'	2°18'	1°31'	2°55'	1°59'	14°28'	12°33'	M 4
T 5	23 31 12	20°54'00"	3 ^h 31 ^m	12°12'	3°28'	28° 7'	19°39'	2°57'	29°11'	2°20'	1°32'	2°52'	1°56'	14°35'	12°31'	T 5
W 6	23 35 8	21°52'45"	15°49'	11°33'	4°43'	28°39'	19°52'	3° 3'	29° 9'	2°21'	1°32'	2°46'	1°53'	14°41'	12°29'	W 6
T 7	23 39 5	22°51'31"	28°50'	11° 3'	5°57'	29°11'	20° 4'	3° 9'	29° 6'	2°23'	1°33'	2°37'	1°50'	14°48'	12°26'	T 7
F 8	23 43 1	23°50'19"	12 ^h 12 ^m	10°42'	7°11'	29°43'	20°16'	3°15'	29° 4'	2°24'	1°33'	2°27'	1°47'	14°55'	12°24'	F 8
S 9	23 46 58	24°49'10"	25°55'	10°31'	8°26'	0 ^h 51 ^m	20°29'	3°21'	29° 1'	2°26'	1°33'	2°15'	1°44'	15° 1'	12°22'	S 9
S 10	23 50 54	25°48'02"	9 ^h 55 ^m	10°D30	9°40'	0°46'	20°41'	3°28'	28°59'	2°27'	1°34'	2° 2'	1°40'	15° 8'	12°20'	S 10
M11	23 54 51	26°46'56"	24° 6'	10°40'	10°55'	1°17'	20°54'	3°34'	28°56'	2°29'	1°34'	1°52'	1°37'	15°15'	12°18'	M11
T 12	23 58 47	27°45'53"	8 ^h 32 ^m	10°59'	12° 9'	1°48'	21° 6'	3°40'	28°54'	2°30'	1°34'	1°43'	1°34'	15°21'	12°17'	T 12
W13	0 2 44	28°44'52"	22°44'	11°28'	13°24'	2°18'	21°19'	3°46'	28°52'	2°32'	1°35'	1°37'	1°31'	15°28'	12°15'	W13
T 14	0 6 41	29°43'53"	7 ^h 12 ^m	12° 7'	14°38'	2°48'	21°31'	3°52'	28°49'	2°33'	1°35'	1°34'	1°28'	15°35'	12°13'	T 14
F 15	0 10 37	0 ^h 42'57"	21°14'	12°54'	15°53'	3°19'	21°44'	3°59'	28°47'	2°34'	1°35'	1°33'	1°25'	15°41'	12°11'	F 15
S 16	0 14 34	1°42'03"	5 ^h 59 ^m	13°49'	17° 8'	3°48'	21°56'	4° 5'	28°44'	2°36'	1°35'	1°33'	1°21'	15°48'	12°10'	S 16
S 17	0 18 30	2°41'11"	19°16'	14°52'	18°22'	4°18'	22° 9'	4°12'	28°42'	2°37'	1°35'	1°32'	1°18'	15°55'	12° 8'	S 17
M18	0 22 27	3°40'22"	3 ^h 12 ^m	16° 1'	19°37'	4°47'	22°22'	4°18'	28°40'	2°38'	1°35'	1°30'	1°15'	16° 1'	12° 6'	M18
T 19	0 26 23	4°39'35"	16°48'	17°16'	20°52'	5°16'	22°35'	4°25'	28°37'	2°40'	1°36'	1°25'	1°12'	16° 8'	12° 5'	T 19
W20	0 30 20	5°38'50"	0 ^h 12 ^m	18°36'	22° 7'	5°45'	22°47'	4°31'	28°35'	2°41'	1°36'	1°18'	1° 9'	16°14'	12° 3'	W20
T 21	0 34 16	6°38'08"	13°43'	20° 1'	23°21'	6°13'	23° 0'	4°38'	28°32'	2°42'	1°36'	1° 7'	1° 5'	16°21'	12° 2'	T 21
F 22	0 38 13	7°37'27"	26°54'	21°30'	24°36'	6°41'	23°13'	4°44'	28°30'	2°43'	1°36'	0°55'	1° 2'	16°28'	12° 1'	F 22
S 23	0 42 10	8°36'49"	9 ^h 51 ^m	23° 2'	25°51'	7° 9'	23°26'	4°51'	28°28'	2°44'	1°36'	0°41'	0°59'	16°34'	11°59'	S 23
S 24	0 46 6	9°36'13"	22°33'	24°36'	27° 6'	7°36'	23°39'	4°58'	28°25'	2°45'	1°36'	0°28'	0°56'	16°41'	11°58'	S 24
M25	0 50 3	10°35'39"	5 ^h 11 ^m	26°13'	28°21'	8° 4'	23°52'	5° 4'	28°23'	2°46'	1°36'	0°17'	0°53'	16°48'	11°57'	M25
T 26	0 53 59	11°35'07"	17°14'	27°51'	29°36'	8°30'	24° 5'	5°11'	28°20'	2°48'	1°36'	0° 7'	0°50'	16°54'	11°56'	T 26
W27	0 57 56	12°34'36"	29°15'	29°31'	0 ^h 51 ^m	8°57'	24°18'	5°18'	28°18'	2°49'	1°36'	0° 1'	0°46'	17° 1'	11°55'	W27
T 28	1 1 52	13°34'08"	11 ^h 1 ^m	1 ^h 12 ^m	2° 6'	9°23'	24°31'	5°25'	28°16'	2°50'	1°35'	29 ^h 57 ^m	0°43'	17° 8'	11°54'	T 28
F 29	1 5 49	14°33'42"	22°55'	2°54'	3°21'	9°49'	24°44'	5°31'	28°14'	2°51'	1°35'	29°56'	0°40'	17°14'	11°53'	F 29
S 30	1 9 45	15 ^h 33'17"	4 ^h 34 ^m	4 ^h 37 ^m	4 ^h 36 ^m	10 ^h 51 ^m	24 ^h 57 ^m	5 ^h 38 ^m	28 ^h 11 ^m	2 ^h 51 ^m	1 ^h 35 ^m	29°D56	0 ^h 37 ^m	17 ^h 21 ^m	11 ^h 52 ^m	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
F 1	5n 9	21s 7	1n34	2n48	3s 3	13n 8	1n11	23n24	0s 3	6s24	1n 5	10s18	2n14	0s58	0s46	19n35	0s 9	19n45	3s45	23n29	23n30	20s59	10s27	6n52	
S 2	4 46	22 56	0 32	3 27	2 46	12 43	1 12	23 27	0 1	6 29	1 5	10 20	2 14	0 59	0 46	19 35	0 9	19 45	3 45	23 29	23 30	21 1	10 28	6 52	
S 3	4 23	23 44	0s31	4 6	2 28	12 18	1 14	23 29	0 0	6 33	1 5	10 23	2 14	1 0	0 46	19 35	0 9	19 45	3 45	23 29	23 30	21 2	10 29	6 52	
M 4	4 0	23 26	1 33	4 44	2 9	11 53	1 15	23 31	0n 1	6 38	1 5	10 25	2 13	1 1	0 46	19 34	0 9	19 45	3 45	23 29	23 30	21 4	10 30	6 51	
T 5	3 37	21 59	2 33	5 19	1 49	11 27	1 16	23 32	0 2	6 43	1 5	10 27	2 13	1 2	0 46	19 34	0 9	19 45	3 46	23 29	23 30	21 5	10 31	6 51	
W 6	3 14	19 25	3 26	5 53	1 29	11 1	1 18	23 34	0 4	6 47	1 5	10 29	2 13	1 3	0 46	19 34	0 9	19 45	3 46	23 29	23 30	21 7	10 32	6 51	
T 7	2 51	15 50	4 11	6 23	1 9	10 35	1 19	23 36	0 5	6 52	1 5	10 31	2 13	1 4	0 46	19 33	0 9	19 45	3 46	23 29	23 30	21 9	10 33	6 50	
F 8	2 27	11 21	4 42	6 49	0 49	10 8	1 20	23 37	0 6	6 57	1 5	10 33	2 13	1 5	0 46	19 33	0 8	19 45	3 46	23 29	23 30	21 10	10 34	6 50	
S 9	2 4	6 12	4 59	7 11	0 30	9 41	1 21	23 39	0 8	7 2	1 5	10 36	2 13	1 6	0 46	19 33	0 8	19 45	3 46	23 30	23 30	21 12	10 35	6 50	
S 10	1 40	0 37	4 58	7 28	0 12	9 14	1 22	23 40	0 9	7 6	1 4	10 38	2 13	1 7	0 46	19 32	0 8	19 45	3 46	23 30	23 30	21 13	10 36	6 49	
M11	1 17	5n 4	4 38	7 41	0n 6	8 46	1 23	23 41	0 10	7 11	1 4	10 40	2 12	1 8	0 46	19 32	0 8	19 45	3 46	23 30	23 30	21 15	10 37	6 49	
T 12	0 53	10 32	4 2	7 48	0 22	8 18	1 23	23 42	0 12	7 16	1 4	10 42	2 12	1 9	0 46	19 32	0 8	19 45	3 46	23 30	23 30	21 16	10 37	6 49	
W13	0 30	15 27	3 10	7 51	0 37	7 51	1 24	23 43	0 13	7 21	1 4	10 44	2 12	1 10	0 46	19 31	0 8	19 45	3 46	23 30	23 30	21 18	10 38	6 48	
T 14	0 6	19 29	2 6	7 49	0 51	7 22	1 25	23 44	0 15	7 26	1 4	10 47	2 12	1 11	0 46	19 31	0 8	19 44	3 46	23 30	23 30	21 20	10 39	6 48	
F 15	0s17	22 19	0 54	7 43	1 3	6 54	1 25	23 44	0 16	7 30	1 4	10 49	2 12	1 12	0 46	19 31	0 8	19 44	3 46	23 30	23 30	21 21	10 40	6 48	
S 16	0 41	23 44	0n20	7 32	1 14	6 25	1 26	23 45	0 18	7 35	1 4	10 51	2 12	1 13	0 46	19 30	0 8	19 44	3 46	23 30	23 30	21 23	10 41	6 47	
S 17	1 4	23 39	1 32	7 16	1 24	5 56	1 27	23 46	0 19	7 40	1 4	10 54	2 12	1 14	0 46	19 30	0 8	19 44	3 46	23 30	23 30	21 24	10 42	6 47	
M18	1 28	22 6	2 38	6 57	1 32	5 27	1 27	23 46	0 21	7 45	1 4	10 56	2 11	1 15	0 46	19 30	0 8	19 44	3 46	23 30	23 30	21 26	10 42	6 46	
T 19	1 51	19 16	3 35	6 34	1 39	4 58	1 27	23 47	0 22	7 50	1 4	10 58	2 11	1 15	0 46	19 29	0 8	19 44	3 46	23 30	23 31	21 27	10 43	6 46	
W20	2 15	15 24	4 18	6 8	1 45	4 29	1 28	23 47	0 24	7 54	1 4	11 0	2 11	1 16	0 46	19 29	0 8	19 44	3 46	23 30	23 31	21 29	10 44	6 46	
T 21	2 39	10 50	4 47	5 39	1 50	3 59	1 28	23 47	0 25	7 59	1 3	11 3	2 11	1 17	0 46	19 29	0 8	19 44	3 46	23 31	23 31	21 30	10 45	6 45	
F 22	3 2	5 49	5 0	5 7	1 53	3 30	1 28	23 47	0 27	8 4	1 3	11 5	2 11	1 18	0 46	19 29	0 8	19 44	3 46	23 31	23 31	21 32	10 46	6 45	
S 23	3 26	0 38	4 57	4 33	1 56	3 0	1 28	23 47	0 28	8 9	1 3	11 7	2 11	1 19	0 46	19 28	0 8	19 44	3 46	23 31	23 31	21 33	10 46	6 44	
S 24	3 49	4s29	4 39	3 57	1 57	2 30	1 28	23 47	0 30	8 14	1 3	11 10	2 11	1 20	0 46	19 28	0 8	19 44	3 46	23 31	23 31	21 35	10 47	6 44	
M25	4 12	9 20	4 8	3 19	1 58	2 0	1 28	23 47	0 31	8 19	1 3	11 12	2 11	1 21	0 46	19 28	0 8	19 44	3 46	23 31	23 31	21 36	10 48	6 44	
T 26	4 36	13 44	3 26	2 39	1 58	1 30	1 28	23 47	0 33	8 23	1 3	11 14	2 11	1 22	0 46	19 28	0 8	19 44	3 46	23 31	23 31	21 38	10 48	6 43	
W27	4 59	17 32	2 35	1 59	1 57	1 0	1 28	23 47	0 35	8 28	1 3	11 17	2 10	1 23	0 46	19 27	0 8	19 44	3 46	23 31	23 31	21 39	10 49	6 43	
T 28	5 22	20 34	1 38	1 17	1 55	0 30	1 27	23 47	0 36	8 33	1 3	11 19	2 10	1 24	0 46	19 27	0 8	19 44	3 46	23 31	23 31	21 41	10 50	6 42	
F 29	5 45	22 42	0 37	0 34	1 53	0s 0	1 27	23 47	0 38	8 38	1 3	11 21	2 10	1 25	0 46	19 27	0 8	19 44	3 46	23 31	23 31	21 42	10 50	6 42	
S 30	6s 9	23s51	0s25	0s 9	1n50	0s30	1n27	23n47	0n40	8s43	1n 3	11s24	2n10	1s26	0s46	19n27	0s 8	19n44	3s46	23n31	23n31	21s44	10s51	6n41	

ASTRODIENST EPHEMERIS for the year 1424
geocentric

OCTOBER 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 13 42	16♌32'54	16♌36	6♌19	5♌51	10♌39	25♌10	5♌45	28°R 9	2♌52	1°R35	29°R56	0♌34	17♌28	11°R51	S 1
M 2	1 17 39	17°32'33	28°39	8° 2	7° 6	11° 4	25°23	5°52	28°R 7	2°53	1♌35	29°R55	0°31	17°34	11°R51	M 2
T 3	1 21 35	18°32'14	10♌59	9°45	8°21	11°29	25°36	5°59	28° 4	2°54	1°35	29°53	0°27	17°41	11°50	T 3
W 4	1 25 32	19°31'56	23°40	11°28	9°36	11°53	25°49	6° 6	28° 2	2°55	1°34	29°48	0°24	17°48	11°49	W 4
T 5	1 29 28	20°31'40	6♌46	13°10	10°51	12°16	26° 2	6°13	28° 0	2°56	1°34	29°41	0°21	17°54	11°49	T 5
F 6	1 33 25	21°31'26	20°18	14°52	12° 6	12°40	26°15	6°20	27°58	2°56	1°34	29°32	0°18	18° 1	11°48	F 6
S 7	1 37 21	22°31'14	4♌15	16°34	13°22	13° 2	26°28	6°27	27°56	2°57	1°33	29°21	0°15	18° 7	11°48	S 7
S 8	1 41 18	23°31'03	18°35	18°16	14°37	13°25	26°42	6°34	27°54	2°58	1°33	29°11	0°11	18°14	11°47	S 8
M 9	1 45 14	24°30'55	3♌11	19°57	15°52	13°47	26°55	6°41	27°52	2°58	1°33	29° 1	0° 8	18°21	11°47	M 9
T 10	1 49 11	25°30'48	17°55	21°38	17° 7	14° 9	27° 8	6°48	27°49	2°59	1°32	28°53	0° 5	18°27	11°47	T 10
W11	1 53 8	26°30'44	2♌41	23°18	18°22	14°30	27°21	6°55	27°47	3° 0	1°32	28°48	0° 2	18°34	11°47	W11
T 12	1 57 4	27°30'42	17°20	24°58	19°38	14°51	27°34	7° 2	27°45	3° 0	1°32	28°45	29°II59	18°41	11°47	T 12
F 13	2 1 1	28°30'42	1♌49	26°37	20°53	15°11	27°47	7° 9	27°43	3° 1	1°31	28°D45	29°56	18°47	11°D47	F 13
S 14	2 4 57	29°30'45	16° 3	28°16	22° 8	15°31	28° 1	7°16	27°41	3° 1	1°31	28°45	29°52	18°54	11°47	S 14
S 15	2 8 54	0♌30'49	0♌ 1	29°54	23°23	15°50	28°14	7°23	27°40	3° 2	1°30	28°R46	29°49	19° 1	11°47	S 15
M16	2 12 50	1°30'56	13°44	1♌32	24°39	16° 9	28°27	7°30	27°38	3° 2	1°30	28°45	29°46	19° 7	11°47	M16
T 17	2 16 47	2°31'04	27°12	3°10	25°54	16°27	28°40	7°38	27°36	3° 2	1°29	28°42	29°43	19°14	11°47	T 17
W18	2 20 43	3°31'15	10♌26	4°47	27° 9	16°45	28°53	7°45	27°34	3° 3	1°29	28°37	29°40	19°21	11°48	W18
T 19	2 24 40	4°31'28	23°27	6°24	28°25	17° 3	29° 6	7°52	27°32	3° 3	1°28	28°30	29°36	19°27	11°48	T 19
F 20	2 28 37	5°31'43	6♌16	8° 0	29°40	17°20	29°19	7°59	27°30	3° 3	1°27	28°21	29°33	19°34	11°48	F 20
S 21	2 32 33	6°32'00	18°53	9°36	0♌55	17°36	29°33	8° 6	27°29	3° 3	1°27	28°11	29°30	19°41	11°49	S 21
S 22	2 36 30	7°32'18	1♌18	11°11	2°11	17°52	29°46	8°13	27°27	3° 4	1°26	28° 1	29°27	19°47	11°49	S 22
M23	2 40 26	8°32'39	13°32	12°46	3°26	18° 7	29°59	8°20	27°25	3° 4	1°25	27°52	29°24	19°54	11°50	M23
T 24	2 44 23	9°33'01	25°36	14°21	4°42	18°22	0♌12	8°28	27°24	3° 4	1°25	27°45	29°21	20° 0	11°51	T 24
W25	2 48 19	10°33'25	7♌32	15°55	5°57	18°36	0°25	8°35	27°22	3° 4	1°24	27°41	29°17	20° 7	11°51	W25
T 26	2 52 16	11°33'50	19°21	17°29	7°12	18°49	0°38	8°42	27°21	3° 4	1°23	27°38	29°14	20°14	11°52	T 26
F 27	2 56 12	12°34'17	1♌ 7	19° 3	8°28	19° 2	0°51	8°49	27°19	3°R 4	1°23	27°D38	29°11	20°20	11°53	F 27
S 28	3 0 9	13°34'46	12°53	20°37	9°43	19°14	1° 4	8°56	27°18	3° 4	1°22	27°39	29° 8	20°27	11°54	S 28
S 29	3 4 6	14°35'16	24°45	22°10	10°59	19°26	1°17	9° 3	27°16	3° 4	1°21	27°40	29° 5	20°34	11°55	S 29
M30	3 8 2	15°35'47	6♌47	23°43	12°14	19°37	1°30	9°10	27°15	3° 4	1°20	27°42	29° 2	20°40	11°56	M30
T 31	3 11 59	16♌36'19	19°33	25♌16	13♌30	19°47	1♌43	9♌18	27°13	3♌ 4	1°20	27°R42	28°II58	20°47	11°57	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
S 1	6s32	23s56	1s27	0s53	1n47	1s 1	1n26	23n46	0n41	8s48	1n 3	11s26	2n10	1s27	0s46	19n27
M 2	6 54	22 53	2 27	1 37	1 43	1 31	1 26	23 46	0 43	8 52	1 3	11 28	2 10	1 27	0 46	19 26
T 3	7 17	20 44	3 20	2 22	1 39	2 1	1 25	23 46	0 45	8 57	1 3	11 31	2 10	1 28	0 46	19 26
W 4	7 40	17 32	4 5	3 6	1 34	2 31	1 24	23 45	0 47	9 2	1 3	11 33	2 10	1 29	0 46	19 26
T 5	8 3	13 23	4 39	3 51	1 29	3 1	1 24	23 45	0 49	9 7	1 3	11 36	2 10	1 30	0 46	19 26
F 6	8 25	8 26	4 59	4 35	1 24	3 32	1 23	23 45	0 50	9 12	1 3	11 38	2 10	1 31	0 46	19 26
S 7	8 47	2 55	5 2	5 19	1 19	4 2	1 22	23 44	0 52	9 16	1 3	11 40	2 10	1 32	0 46	19 26
S 8	9 10	2n54	4 46	6 3	1 13	4 32	1 21	23 44	0 54	9 21	1 2	11 43	2 10	1 33	0 46	19 25
M 9	9 32	8 40	4 11	6 47	1 7	5 2	1 20	23 44	0 56	9 26	1 2	11 45	2 10	1 33	0 46	19 25
T 10	9 54	14 2	3 20	7 31	1 1	5 31	1 19	23 43	0 58	9 31	1 2	11 47	2 9	1 34	0 46	19 25
W11	10 16	18 34	2 15	8 14	0 55	6 1	1 18	23 43	1 0	9 36	1 2	11 50	2 9	1 35	0 46	19 25
T 12	10 37	21 54	1 1	8 56	0 49	6 31	1 17	23 43	1 2	9 40	1 2	11 52	2 9	1 36	0 46	19 25
F 13	10 59	23 47	0n16	9 39	0 42	7 0	1 16	23 42	1 4	9 45	1 2	11 54	2 9	1 37	0 46	19 25
S 14	11 20	24 3	1 31	10 20	0 36	7 30	1 15	23 42	1 6	9 50	1 2	11 57	2 9	1 37	0 46	19 25
S 15	11 41	22 48	2 39	11 1	0 29	7 59	1 13	23 42	1 8	9 54	1 2	11 59	2 9	1 38	0 46	19 25
M16	12 2	20 13	3 37	11 42	0 22	8 28	1 12	23 41	1 10	9 59	1 2	12 1	2 9	1 39	0 46	19 24
T 17	12 23	16 34	4 21	12 22	0 16	8 56	1 11	23 41	1 12	10 4	1 2	12 4	2 9	1 40	0 46	19 24
W18	12 44	12 10	4 51	13 1	0 9	9 25	1 9	23 41	1 14	10 9	1 2	12 6	2 9	1 40	0 46	19 24
T 19	13 4	7 16	5 5	13 39	0 2	9 53	1 8	23 41	1 16	10 13	1 2	12 8	2 9	1 41	0 46	19 24
F 20	13 24	2 9	5 3	14 17	0s 4	10 22	1 6	23 41	1 18	10 18	1 2	12 11	2 9	1 42	0 46	19 24
S 21	13 44	3s 0	4 47	14 54	0 11	10 49	1 4	23 41	1 21	10 23	1 2	12 13	2 9	1 42	0 46	19 24
S 22	14 4	7 57	4 17	15 31	0 18	11 17	1 3	23 41	1 23	10 27	1 2	12 15	2 9	1 43	0 46	19 24
M23	14 24	12 32	3 35	16 6	0 24	11 45	1 1	23 41	1 25	10 32	1 2	12 18	2 9	1 44	0 46	19 24
T 24	14 43	16 34	2 44	16 41	0 31	12 12	0 59	23 42	1 27	10 36	1 2	12 20	2 9	1 44	0 46	19 24
W25	15 2	19 53	1 47	17 15	0 37	12 38	0 58	23 42	1 30	10 41	1 2	12 22	2 9	1 45	0 46	19 24
T 26	15 21	22 21	0 45	17 48	0 44	13 5	0 56	23 42	1 32	10 46	1 2	12 25	2 9	1 45	0 46	19 24
F 27	15 40	23 49	0s19	18 20	0 50	13 31	0 54	23 43	1 34	10 50	1 2	12 27	2 9	1 46	0 45	19 24
S 28	15 58	24 15	1 22	18 52	0 56	13 57	0 52	23 43	1 37	10 55	1 2	12 29	2 9	1 46	0 45	19 24
S 29	16 16	23 34	2 22	19 22	1 2	14 23	0 50	23 44	1 39	10 59	1 2	12 31	2 9	1 47	0 45	19 24
M30	16 34	21 48	3 17	19 52	1 8	14 48	0 48	23 45	1 41	11 4	1 2	12 34	2 9	1 48	0 45	19 24
T 31	16s51	19s 1	4s 4	20s20	1s14	15s12	0n46	23n46	1n44	11s 8	1n 2	12s36	2n 9	1s48	0s45	19n24

Julian Day Number = 2241447.5, Delta T = 07m13s
Ecliptic obliquity = 23°30'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°42'55, Lahiri = 15°49'56 Julian Calendar 1 Oct. 1424 == Greg. Calendar 10 Oct. 1424

ASTRODIENST EPHEMERIS for the year 1424

geocentric

NOVEMBER 1424 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 15 55	17 ¹¹ 36'53	1 ¹ 40	26 ¹¹ 48	14 ¹¹ 45	19 ¹¹ 57	1 ¹¹ 56	9 ¹¹ 25	27°R12	3°R 4	1°R19	27°R41	28 ¹¹ 55	20 ¹¹ 54	11 ¹¹ 59	W 1
T 2	3 19 52	18°37'28	14°42	28°20	16° 1	20° 6	2° 9	9°32	27 ¹¹ 11	3° 4	1°18	27 ¹¹ 38	28°52	21° 0	12° 0	T 2
F 3	3 23 48	19°38'04	28°11	29°53	17°16	20°14	2°22	9°39	27°10	3° 3	1°17	27°34	28°49	21° 7	12° 1	F 3
S 4	3 27 45	20°38'41	12°Y 9	1 ¹¹ 24	18°31	20°22	2°35	9°46	27° 8	3° 3	1°16	27°28	28°46	21°14	12° 3	S 4
S 5	3 31 41	21°39'20	26°33	2°56	19°47	20°28	2°47	9°53	27° 7	3° 3	1°15	27°22	28°42	21°20	12° 4	S 5
M 6	3 35 38	22°40'00	11 ¹¹ 20	4°27	21° 2	20°35	3° 0	10° 0	27° 6	3° 3	1°14	27°17	28°39	21°27	12° 6	M 6
T 7	3 39 34	23°40'41	26°22	5°58	22°18	20°40	3°13	10° 7	27° 5	3° 2	1°13	27°13	28°36	21°34	12° 7	T 7
W 8	3 43 31	24°41'24	11 ¹¹ 29	7°29	23°33	20°45	3°26	10°14	27° 4	3° 2	1°12	27°10	28°33	21°40	12° 9	W 8
T 9	3 47 28	25°42'08	26°32	9° 0	24°49	20°49	3°38	10°21	27° 3	3° 1	1°11	27°D10	28°30	21°47	12°10	T 9
F 10	3 51 24	26°42'54	11 ¹¹ 23	10°30	26° 4	20°52	3°51	10°28	27° 2	3° 1	1°11	27°10	28°27	21°53	12°12	F 10
S 11	3 55 21	27°43'41	25°56	12° 1	27°20	20°54	4° 4	10°35	27° 2	3° 1	1°10	27°12	28°23	22° 0	12°14	S 11
S 12	3 59 17	28°44'30	10 ¹¹ 8	13°30	28°35	20°56	4°16	10°42	27° 1	3° 0	1° 9	27°13	28°20	22° 7	12°16	S 12
M13	4 3 14	29°45'20	23°56	15° 0	29°51	20°57	4°29	10°49	27° 0	3° 0	1° 8	27°R14	28°17	22°13	12°18	M13
T 14	4 7 10	0 ¹¹ 46'11	7 ¹¹ 23	16°29	1 ¹¹ 6	20°R57	4°41	10°56	26°59	2°59	1° 6	27°14	28°14	22°20	12°20	T 14
W15	4 11 7	1°47'04	20°29	17°57	2°22	20°56	4°54	11° 2	26°59	2°58	1° 5	27°13	28°11	22°27	12°22	W15
T 16	4 15 4	2°47'59	3 ¹¹ 18	19°25	3°37	20°54	5° 6	11° 9	26°58	2°58	1° 4	27°10	28° 8	22°33	12°24	T 16
F 17	4 19 0	3°48'54	15°52	20°52	4°53	20°52	5°19	11°16	26°58	2°57	1° 3	27° 7	28° 4	22°40	12°26	F 17
S 18	4 22 57	4°49'51	28°12	22°19	6° 8	20°49	5°31	11°23	26°57	2°56	1° 2	27° 3	28° 1	22°47	12°28	S 18
S 19	4 26 53	5°50'50	10 ¹¹ 22	23°44	7°24	20°45	5°43	11°30	26°57	2°56	1° 1	26°59	27°58	22°53	12°31	S 19
M20	4 30 50	6°51'49	22°24	25° 9	8°39	20°40	5°56	11°36	26°56	2°55	1° 0	26°56	27°55	23° 0	12°33	M20
T 21	4 34 46	7°52'49	4 ¹¹ 19	26°32	9°55	20°34	6° 8	11°43	26°56	2°54	0°59	26°54	27°52	23° 7	12°35	T 21
W22	4 38 43	8°53'51	16° 9	27°54	11°10	20°27	6°20	11°50	26°56	2°53	0°58	26°52	27°48	23°13	12°38	W22
T 23	4 42 39	9°54'53	27°56	29°15	12°26	20°19	6°32	11°56	26°55	2°52	0°57	26°D52	27°45	23°20	12°40	T 23
F 24	4 46 36	10°55'56	9 ¹¹ 42	0 ¹¹ 33	13°41	20°11	6°44	12° 3	26°55	2°51	0°56	26°52	27°42	23°27	12°43	F 24
S 25	4 50 33	11°56'59	21°31	1°49	14°57	20° 2	6°56	12° 9	26°55	2°51	0°54	26°53	27°39	23°33	12°45	S 25
S 26	4 54 29	12°58'04	3 ¹¹ 25	3° 3	16°12	19°52	7° 8	12°16	26°55	2°50	0°53	26°55	27°36	23°40	12°48	S 26
M27	4 58 26	13°59'08	15°28	4°13	17°28	19°41	7°20	12°22	26°D55	2°49	0°52	26°56	27°33	23°46	12°51	M27
T 28	5 2 22	15° 0'14	27°44	5°20	18°43	19°29	7°31	12°29	26°55	2°48	0°51	26°57	27°29	23°53	12°53	T 28
W29	5 6 19	16° 1'19	10 ¹¹ 18	6°22	19°59	19°16	7°43	12°35	26°55	2°47	0°50	26°R58	27°26	24° 0	12°56	W29
T 30	5 10 15	17 ¹¹ 2'25	23 ¹¹ 12	7 ¹¹ 20	21 ¹¹ 14	19 ¹¹ 23	7 ¹¹ 55	12 ¹¹ 41	26 ¹¹ 55	2°46	0°49	26 ¹¹ 58	27 ¹¹ 23	24 ¹¹ 6	12 ¹¹ 59	T 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
W 1	17s 8	15s16	4s40	20s48	1s20	15s37	0n44	23n47	1n46	11s13	1n 2	12s38	2n 9	1s49	0s45	19n24	0s 8	19n43	3s47	23n30	23n31	22s29	11s 3	6n27	
T 2	17 25	10 42	5 4	21 14	1 25	16 1	0 42	23 48	1 49	11 17	1 2	12 40	2 9	1 49	0 45	19 24	0 8	19 43	3 47	23 30	23 31	22 30	11 3	6 26	
F 3	17 42	5 29	5 11	21 40	1 31	16 24	0 40	23 49	1 51	11 22	1 2	12 43	2 9	1 49	0 45	19 24	0 8	19 43	3 47	23 29	23 31	22 32	11 4	6 26	
S 4	17 58	0n11	5 1	22 4	1 36	16 47	0 38	23 51	1 54	11 26	1 2	12 45	2 9	1 50	0 45	19 24	0 8	19 43	3 47	23 29	23 30	22 33	11 4	6 26	
S 5	18 14	6 3	4 32	22 28	1 41	17 10	0 35	23 52	1 57	11 30	1 2	12 47	2 9	1 50	0 45	19 24	0 8	19 43	3 47	23 29	23 30	22 34	11 4	6 25	
M 6	18 30	11 43	3 45	22 50	1 46	17 32	0 33	23 54	1 59	11 35	1 2	12 49	2 9	1 51	0 45	19 24	0 8	19 43	3 47	23 29	23 30	22 35	11 4	6 25	
T 7	18 45	16 48	2 41	23 11	1 50	17 54	0 31	23 56	2 2	11 39	1 2	12 51	2 9	1 51	0 45	19 25	0 8	19 43	3 47	23 29	23 30	22 37	11 4	6 24	
W 8	19 0	20 50	1 25	23 31	1 55	18 15	0 29	23 57	2 4	11 43	1 2	12 54	2 9	1 51	0 45	19 25	0 8	19 43	3 47	23 29	23 30	22 38	11 4	6 24	
T 9	19 15	23 25	0 3	23 50	1 59	18 36	0 27	23 59	2 7	11 48	1 2	12 56	2 9	1 52	0 45	19 25	0 8	19 43	3 47	23 29	23 30	22 39	11 4	6 23	
F 10	19 29	24 18	1n17	24 7	2 3	18 56	0 24	24 2	2 10	11 52	1 2	12 58	2 9	1 52	0 45	19 25	0 8	19 43	3 47	23 29	23 30	22 41	11 3	6 23	
S 11	19 43	23 30	2 31	24 23	2 6	19 16	0 22	24 4	2 13	11 56	1 2	13 0	2 9	1 52	0 45	19 25	0 8	19 43	3 47	23 29	23 30	22 42	11 3	6 22	
S 12	19 56	21 12	3 34	24 38	2 9	19 35	0 20	24 6	2 15	12 0	1 2	13 2	2 9	1 53	0 45	19 25	0 8	19 44	3 47	23 29	23 30	22 43	11 3	6 22	
M13	20 10	17 43	4 23	24 51	2 12	19 54	0 17	24 9	2 18	12 5	1 2	13 4	2 9	1 53	0 45	19 25	0 8	19 44	3 47	23 29	23 30	22 44	11 3	6 22	
T 14	20 23	13 24	4 56	25 4	2 15	20 12	0 15	24 12	2 21	12 9	1 2	13 6	2 9	1 53	0 45	19 25	0 8	19 44	3 47	23 29	23 30	22 46	11 3	6 21	
W15	20 35	8 34	5 12	25 14	2 17	20 30	0 13	24 15	2 24	12 13	1 2	13 8	2 9	1 53	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 47	11 3	6 21	
T 16	20 47	3 28	5 13	25 24	2 19	20 47	0 10	24 18	2 26	12 17	1 2	13 10	2 9	1 54	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 48	11 3	6 20	
F 17	20 59	1s40	4 58	25 32	2 20	21 3	0 8	24 21	2 29	12 21	1 2	13 12	2 9	1 54	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 49	11 2	6 20	
S 18	21 10	6 40	4 30	25 38	2 21	21 19	0 5	24 24	2 32	12 25	1 2	13 15	2 9	1 54	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 51	11 2	6 20	
S 19	21 21	11 21	3 49	25 43	2 21	21 34	0 3	24 28	2 35	12 29	1 3	13 17	2 9	1 54	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 52	11 2	6 19	
M20	21 31	15 32	2 59	25 47	2 21	21 48	0 1	24 31	2 38	12 33	1 3	13 19	2 9	1 54	0 45	19 26	0 8	19 44	3 47	23 29	23 30	22 53	11 2	6 19	
T 21	21 41	19 5	2 2	25 49	2 21	22 2	0s 2	24 35	2 41	12 37	1 3	13 21	2 10	1 54	0 45	19 27	0 8	19 44	3 47	23 29	23 30	22 54	11 2	6 18	
W22	21 51	21 49	0 59	25 49	2 19	22 15	0 4	24 39	2 43	12 41	1 3	13 22	2 10	1 54	0 45	19 27	0 8	19 44	3 47	23 29	23 30	22 56	11 1	6 18	
T 23	22 0	23 36	0s 6	25 48	2 17	22 28	0 7	24 43	2 46	12 45	1 3	13 24	2 10	1 54	0 44	19 27	0 8	19 44	3 47	23 29	23 30	22 57	11 1	6 18	
F 24	22 9	24 20	1 11	25 46	2 15	22 40	0 9	24 47	2 49	12 49	1 3	13 26	2 10	1 55	0 44	19 27	0 8	19 44	3 47	23 29	23 30	22 58	11 1	6 17	
S 25	22 18	23 58	2 13	25 41	2 11	22 51	0 11	24 51	2 52	12 53	1 3	13 28	2 10	1 55	0 44	19 27	0 8	19 44	3 47	23 29	23 30	22 59	11 0	6 17	
S 26	22 26	22 31	3 9	25 36	2 7	23 1	0 14	24 55	2 55	12 57	1 3	13 30	2 10	1 55	0 44	19 28	0 8	19 44	3 47	23 29	23 30	23 0	11 0	6 16	
M27	22 33	20 2	3 58	25 29	2 2	23 11	0 16	25 0	2 58	13 1	1 3	13 32	2 10	1 55	0 44	19 28	0 8	19 44	3 47	23 29	23 29	23 2	11 0	6 16	
T 28	22 40	16 38	4 38	25 20	1 56	23 20	0 18	25 4	3 0	13 4	1 3	13 34	2 10	1 54	0 44	19 28	0 8	19 44	3 47	23 29	23 29	23 3	10 59	6 16	
W29	22 47	12 35	5 4	25 11	1 49	23 29	0 21	25 9	3 3	13 8	1 3	13 36	2 10	1 54	0 44	19 28	0 8	19 44	3 47	23 29	23 29	23 4	10 59	6 15	
T 30	22s53	7s33	5s17	25s 0	1s41	23s36	0s23	25n13	3n 6	13s12	1n 3	13s38	2n10	1s54	0s44	19n29	0s 8	19n44	3s47	23n29	23n29	23s 5	10s58	6n15	

ASTRODIENST EPHEMERIS for the year 1424

geocentric

DECEMBER 1424 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 14 12	18° 3' 31"	6° 32'	8° 13'	22° 30'	18° 49'	8° 16'	12° 48'	26° 55'	2° 45'	0° 47'	26° 57'	27° 20'	24° 13'	13° 2'	F 1
S 2	5 18 8	19° 4' 38"	20° 19'	8° 59'	23° 45'	18° 34'	8° 18'	12° 54'	26° 55'	2° 43'	0° 46'	26° 56'	27° 17'	24° 20'	13° 5'	S 2
S 3	5 22 5	20° 5' 44"	4° 33'	9° 38'	25° 0'	18° 18'	8° 29'	13° 0'	26° 56'	2° 42'	0° 45'	26° 55'	27° 14'	24° 26'	13° 8'	S 3
M 4	5 26 2	21° 6' 51"	19° 13'	10° 10'	26° 16'	18° 2'	8° 41'	13° 6'	26° 56'	2° 41'	0° 44'	26° 55'	27° 10'	24° 33'	13° 11'	M 4
T 5	5 29 58	22° 7' 59"	4° 12'	10° 32'	27° 31'	17° 45'	8° 52'	13° 12'	26° 56'	2° 40'	0° 43'	26° 54'	27° 7'	24° 40'	13° 14'	T 5
W 6	5 33 55	23° 9' 06"	19° 25'	10° 45'	28° 47'	17° 27'	9° 3'	13° 19'	26° 57'	2° 39'	0° 41'	26° 54'	27° 4'	24° 46'	13° 17'	W 6
T 7	5 37 51	24° 10' 15"	4° 40'	10° 47'	0° 2'	17° 8'	9° 14'	13° 25'	26° 57'	2° 38'	0° 40'	26° 54'	27° 1'	24° 53'	13° 20'	T 7
F 8	5 41 48	25° 11' 23"	19° 48'	10° 38'	1° 18'	16° 49'	9° 25'	13° 30'	26° 58'	2° 36'	0° 39'	26° 54'	26° 58'	25° 0'	13° 24'	F 8
S 9	5 45 44	26° 12' 32"	4° 40'	10° 17'	2° 33'	16° 30'	9° 36'	13° 36'	26° 58'	2° 35'	0° 38'	26° 54'	26° 54'	25° 6'	13° 27'	S 9
S 10	5 49 41	27° 13' 41"	19° 9'	9° 45'	3° 49'	16° 9'	9° 47'	13° 42'	26° 59'	2° 34'	0° 36'	26° 54'	26° 51'	25° 13'	13° 30'	S 10
M 11	5 53 37	28° 14' 51"	3° 13'	9° 1'	5° 4'	15° 49'	9° 58'	13° 48'	27° 0'	2° 32'	0° 35'	26° 54'	26° 48'	25° 19'	13° 33'	M 11
T 12	5 57 34	29° 16' 01"	16° 49'	8° 6'	6° 19'	15° 27'	10° 9'	13° 54'	27° 0'	2° 31'	0° 34'	26° 54'	26° 45'	25° 26'	13° 37'	T 12
W 13	6 1 31	0° 31' 12"	29° 59'	7° 1'	7° 35'	15° 5'	10° 19'	13° 59'	27° 1'	2° 30'	0° 33'	26° 54'	26° 42'	25° 33'	13° 40'	W 13
T 14	6 5 27	1° 18' 23"	12° 46'	5° 49'	8° 50'	14° 43'	10° 30'	14° 5'	27° 2'	2° 28'	0° 32'	26° 54'	26° 39'	25° 39'	13° 44'	T 14
F 15	6 9 24	2° 19' 34"	25° 14'	4° 31'	10° 6'	14° 20'	10° 40'	14° 11'	27° 3'	2° 27'	0° 30'	26° 54'	26° 35'	25° 46'	13° 47'	F 15
S 16	6 13 20	3° 20' 45"	7° 12'	3° 10'	11° 21'	13° 58'	10° 50'	14° 16'	27° 4'	2° 26'	0° 29'	26° 55'	26° 32'	25° 53'	13° 51'	S 16
S 17	6 17 17	4° 21' 57"	19° 26'	1° 49'	12° 37'	13° 34'	11° 1'	14° 21'	27° 5'	2° 24'	0° 28'	26° 56'	26° 29'	25° 59'	13° 54'	S 17
M 18	6 21 13	5° 23' 09"	1° 19'	0° 30'	13° 52'	13° 11'	11° 11'	14° 27'	27° 6'	2° 23'	0° 27'	26° 57'	26° 26'	26° 6'	13° 58'	M 18
T 19	6 25 10	6° 24' 21"	13° 7'	29° 16'	15° 7'	12° 47'	11° 21'	14° 32'	27° 7'	2° 21'	0° 25'	26° 57'	26° 23'	26° 13'	14° 2'	T 19
W 20	6 29 6	7° 25' 33"	24° 54'	28° 8'	16° 23'	12° 23'	11° 31'	14° 37'	27° 8'	2° 20'	0° 24'	26° 58'	26° 20'	26° 19'	14° 5'	W 20
T 21	6 33 3	8° 26' 45"	6° 42'	27° 9'	17° 38'	11° 59'	11° 41'	14° 43'	27° 9'	2° 18'	0° 23'	26° 58'	26° 16'	26° 26'	14° 9'	T 21
F 22	6 37 0	9° 27' 57"	18° 32'	26° 19'	18° 53'	11° 35'	11° 51'	14° 48'	27° 11'	2° 17'	0° 22'	26° 57'	26° 13'	26° 33'	14° 13'	F 22
S 23	6 40 56	10° 29' 09"	0° 28'	25° 38'	20° 9'	11° 11'	12° 0'	14° 53'	27° 12'	2° 15'	0° 21'	26° 55'	26° 10'	26° 39'	14° 16'	S 23
S 24	6 44 53	11° 30' 20"	12° 31'	25° 8'	21° 24'	10° 47'	12° 10'	14° 58'	27° 13'	2° 14'	0° 19'	26° 53'	26° 7'	26° 46'	14° 20'	S 24
M 25	6 48 49	12° 31' 30"	24° 42'	24° 47'	22° 40'	10° 23'	12° 19'	15° 3'	27° 15'	2° 12'	0° 18'	26° 50'	26° 4'	26° 53'	14° 24'	M 25
T 26	6 52 46	13° 32' 40"	7° 5'	24° 36'	23° 55'	9° 59'	12° 29'	15° 7'	27° 16'	2° 10'	0° 17'	26° 48'	26° 0'	26° 59'	14° 28'	T 26
W 27	6 56 42	14° 33' 50"	19° 42'	24° 33'	25° 10'	9° 36'	12° 38'	15° 12'	27° 18'	2° 9'	0° 16'	26° 46'	25° 57'	27° 6'	14° 32'	W 27
T 28	7 0 39	15° 34' 58"	2° 36'	24° 40'	26° 26'	9° 12'	12° 47'	15° 17'	27° 19'	2° 7'	0° 15'	26° 44'	25° 54'	27° 12'	14° 36'	T 28
F 29	7 4 36	16° 36' 06"	15° 49'	24° 54'	27° 41'	8° 49'	12° 56'	15° 21'	27° 21'	2° 6'	0° 13'	26° 44'	25° 51'	27° 19'	14° 40'	F 29
S 30	7 8 32	17° 37' 13"	29° 24'	25° 15'	28° 56'	8° 26'	13° 5'	15° 26'	27° 22'	2° 4'	0° 12'	26° 44'	25° 48'	27° 26'	14° 44'	S 30
S 31	7 12 29	18° 38' 20"	13° 22'	25° 42'	0° 11'	8° 26'	13° 13'	15° 30'	27° 24'	2° 2'	0° 11'	26° 45'	25° 45'	27° 32'	14° 48'	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
F 1	22s59	2s12	5s13	24s47	1s32	23s43	0s25	25n18	3n 9	13s15	1n 3	13s39	2n10	1s54	0s44	19n29	0s 8	19n44	3s47	23n29	23n29	23s 6	10s58	6n15	
S 2	23 4	3n27	4 52	24 34	1 22	23 50	0 28	25 23	3 11	13 19	1 3	13 41	2 10	1 54	0 44	19 29	0 8	19 44	3 47	23 29	23 29	23 8	10 57	6 14	
S 3	23 9	9 7	4 12	24 20	1 10	23 55	0 30	25 28	3 14	13 23	1 3	13 43	2 11	1 54	0 44	19 29	0 8	19 44	3 47	23 29	23 29	23 9	10 57	6 14	
M 4	23 13	14 27	3 15	24 4	0 57	24 0	0 32	25 33	3 17	13 26	1 3	13 45	2 11	1 54	0 44	19 30	0 8	19 44	3 47	23 29	23 29	23 10	10 56	6 14	
T 5	23 17	19 2	2 3	23 49	0 43	24 4	0 34	25 37	3 19	13 30	1 3	13 46	2 11	1 54	0 44	19 30	0 8	19 44	3 46	23 29	23 29	23 11	10 56	6 13	
W 6	23 20	22 24	0 42	23 32	0 28	24 7	0 37	25 42	3 22	13 33	1 3	13 48	2 11	1 53	0 44	19 30	0 8	19 44	3 46	23 29	23 29	23 12	10 55	6 13	
T 7	23 23	24 9	0n43	23 16	0 11	24 10	0 39	25 47	3 24	13 37	1 4	13 50	2 11	1 53	0 44	19 30	0 8	19 44	3 46	23 29	23 29	23 13	10 55	6 13	
F 8	23 26	24 6	2 4	22 59	0n 6	24 11	0 41	25 52	3 27	13 40	1 4	13 52	2 11	1 53	0 44	19 31	0 8	19 44	3 46	23 29	23 29	23 15	10 54	6 12	
S 9	23 28	22 19	3 15	22 42	0 25	24 13	0 43	25 57	3 29	13 44	1 4	13 53	2 11	1 53	0 44	19 31	0 8	19 44	3 46	23 29	23 29	23 16	10 54	6 12	
S 10	23 29	19 6	4 12	22 25	0 44	24 13	0 45	26 2	3 31	13 47	1 4	13 55	2 11	1 52	0 44	19 31	0 8	19 45	3 46	23 29	23 29	23 17	10 53	6 12	
M 11	23 30	14 53	4 51	22 8	1 4	24 12	0 47	26 7	3 34	13 50	1 4	13 56	2 11	1 52	0 44	19 32	0 8	19 45	3 46	23 29	23 29	23 18	10 52	6 11	
T 12	23 31	10 2	5 13	21 52	1 24	24 11	0 49	26 11	3 36	13 54	1 4	13 58	2 12	1 52	0 44	19 32	0 8	19 45	3 46	23 29	23 28	23 19	10 52	6 11	
W 13	23 31	4 52	5 18	21 36	1 43	24 9	0 51	26 16	3 38	13 57	1 4	14 0	2 12	1 51	0 44	19 32	0 8	19 45	3 46	23 29	23 28	23 20	10 51	6 11	
T 14	23 30	0s22	5 6	21 21	2 2	24 6	0 53	26 20	3 40	14 0	1 4	14 1	2 12	1 51	0 44	19 33	0 8	19 45	3 46	23 29	23 28	23 21	10 50	6 10	
F 15	23 30	5 26	4 40	21 7	2 19	24 3	0 55	26 25	3 42	14 3	1 4	14 3	2 12	1 51	0 44	19 33	0 8	19 45	3 46	23 29	23 28	23 22	10 50	6 10	
S 16	23 28	10 13	4 2	20 54	2 34	23 59	0 57	26 29	3 44	14 6	1 4	14 4	2 12	1 50	0 44	19 33	0 8	19 45	3 46	23 29	23 28	23 23	10 49	6 10	
S 17	23 26	14 32	3 14	20 43	2 48	23 54	0 59	26 33	3 45	14 9	1 4	14 6	2 12	1 50	0 44	19 34	0 8	19 45	3 46	23 29	23 28	23 25	10 48	6 10	
M 18	23 24	18 14	2 18	20 32	2 58	23 48	1 1	26 38	3 47	14 13	1 5	14 7	2 12	1 49	0 43	19 34	0 8	19 45	3 46	23 29	23 28	23 26	10 47	6 9	
T 19	23 22	21 11	1 16	20 24	3 7	23 41	1 3	26 41	3 49	14 16	1 5	14 8	2 12	1 49	0 43	19 34	0 8	19 45	3 46	23 29	23 28	23 27	10 47	6 9	
W 20	23 18	23 13	0 11	20 17	3 13	23 34	1 4	26 45	3 50	14 19	1 5	14 10	2 13	1 48	0 43	19 35	0 8	19 45	3 46	23 29	23 28	23 28	10 46	6 9	
T 21	23 15	24 14	0s54	20 13	3 16	23 26	1 6	26 49	3 52	14 21	1 5	14 11	2 13	1 48	0 43	19 35	0 8	19 45	3 46	23 29	23 28	23 29	10 45	6 8	
F 22	23 11	24 9	1 57	20 10	3 18	23 18	1 8	26 52	3 53	14 24	1 5	14 13	2 13	1 47	0 43	19 35	0 8	19 45	3 46	23 29	23 28	23 30	10 44	6 8	
S 23	23 6	22 58	2 55	20 10	3 17	23 8	1 9	26 56	3 54	14 27	1 5	14 14	2 13	1 47	0 43	19 36	0 8	19 45	3 45	23 29	23 27	23 31	10 43	6 8	
S 24	23 1	20 43	3 46	20 11	3 14	22 58	1 11	26 59	3 55	14 30	1 5	14 15	2 13	1 46	0 43	19 36	0 8	19 45	3 45	23 29	23 27	23 32	10 43	6 8	
M 25	22 55	17 32	4 28	20 14	3 10	22 48	1 12	27 2	3 56	14 33	1 5	14 16	2 13	1 46	0 43	19 36	0 8	19 46	3 45	23 29	23 27	23 33	10 42	6 8	
T 26	22 49	13 32	4 58	20 19	3 5	22 36	1 14	27 5	3 57	14 36	1 5	14 18	2 13	1 45	0 43	19 37	0 8	19 46	3 45	23 29	23 27	23 34	10 41	6 7	
W 27	22 43	8 53	5 14	20 26	2 58	22 24	1 15	27 7	3 58	14 38	1 5	14 19	2 14	1 44	0 43	19 37	0 8	19 46	3 45	23 28	23 27	23 35	10 40	6 7	
T 28	22 36	3 46	5 14	20 33	2 51	22 11	1 17	27 9	3 58	14 41	1 6	14 20	2 14	1 44	0 43	19 38	0 8	19 46	3 45	23 28	23 27	23 36	10 39	6 7	
F 29	22 29	1n39	4 59	20 42	2 43	21 58	1 18	27 12	3 59	14 44	1 6	14 21	2 14	1 43	0 43	19 38	0 8	19 46	3 45	23 28	23 27	23 37	10 38	6 6	
S 30	22 21	7 8	4 26	20 51	2 34	21 44	1 19	27 14	4 0	14 46	1 6	14 22	2 14	1 42	0 43	19 38	0 8	19 46	3 45	23 28	23 27	23 38	10 37	6 6	
S 31	22s13	12n27	3s37	21s 1	2n25	21s29	1s20	27n15	4n 0	14s49	1n 6	14s24	2n14	1s42	0s43	19n39	0s 8	19n46	3s45	23n28	23n27	23s39	10s36	6n15	