



Astrodienst Ephemeris Tables for the year 1624

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 1624

geocentric

JANUARY 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 40 9	10 ³ 9'34	18 ⁸ 21	21 ⁷ 19	9 ⁷ 56	22 ⁷ 58	0°R20	17°R55	16°R12	20 ² 22	14°R26	18°R 4	17 ² 18	23 ¹¹ 55	14 ¹⁷ 1	M 1
T 2	6 44 5	11°10'44	0 ¹¹ 14	22°43	10° 2	23°40	0 ¹¹ 17	17 ² 52	16 ² 10	20°23	14 ² 25	17 ² 58	17°15	24° 1	14° 3	T 2
W 3	6 48 2	12°11'53	12° 4	24° 9	10°10	24°22	0°14	17°48	16° 8	20°24	14°25	17°49	17°11	24° 8	14° 5	W 3
T 4	6 51 58	13°13'01	23°55	25°35	10°20	25° 4	0°11	17°45	16° 6	20°24	14°24	17°37	17° 8	24°15	14° 8	T 4
F 5	6 55 55	14°14'10	5 ² 48	27° 2	10°32	25°46	0° 7	17°41	16° 4	20°25	14°24	17°22	17° 5	24°22	14°10	F 5
S 6	6 59 52	15°15'18	17°45	28°30	10°47	26°28	0° 3	17°38	16° 2	20°26	14°23	17° 7	17° 2	24°28	14°12	S 6
S 7	7 3 48	16°16'25	29°48	29°58	11° 4	27° 9	29 ² 59	17°34	15°59	20°26	14°23	16°52	16°59	24°35	14°14	S 7
M 8	7 7 45	17°17'33	11 ² 56	1 ² 27	11°22	27°51	29°55	17°30	15°57	20°27	14°22	16°39	16°55	24°42	14°17	M 8
T 9	7 11 41	18°18'40	24°12	2°56	11°43	28°33	29°51	17°26	15°55	20°27	14°22	16°28	16°52	24°48	14°19	T 9
W10	7 15 38	19°19'46	6 ¹¹ 37	4°26	12° 6	29°15	29°47	17°22	15°53	20°27	14°22	16°20	16°49	24°55	14°22	W10
T 11	7 19 34	20°20'53	19°12	5°57	12°30	29°57	29°42	17°18	15°51	20°28	14°21	16°15	16°46	25° 2	14°24	T 11
F 12	7 23 31	21°21'59	2 ² 2	7°28	12°56	0 ¹ 39	29°37	17°14	15°48	20°28	14°21	16°13	16°43	25° 9	14°27	F 12
S 13	7 27 27	22°23'05	15° 9	9° 0	13°24	1°21	29°32	17°10	15°46	20°29	14°21	16°13	16°40	25°15	14°29	S 13
S 14	7 31 24	23°24'11	28°36	10°32	13°54	2° 2	29°27	17° 6	15°44	20°29	14°20	16°13	16°36	25°22	14°32	S 14
M15	7 35 21	24°25'16	12 ¹¹ 26	12° 5	14°25	2°44	29°22	17° 1	15°41	20°29	14°20	16°12	16°33	25°29	14°35	M15
T 16	7 39 17	25°26'21	26°40	13°38	14°58	3°26	29°17	16°57	15°39	20°29	14°20	16° 9	16°30	25°35	14°37	T 16
W17	7 43 14	26°27'26	11 ⁷ 17	15°12	15°32	4° 8	29°11	16°53	15°36	20°29	14°19	16° 3	16°27	25°42	14°40	W17
T 18	7 47 10	27°28'30	26°13	16°46	16° 7	4°50	29° 5	16°48	15°34	20°30	14°19	15°55	16°24	25°49	14°43	T 18
F 19	7 51 7	28°29'33	11 ² 20	18°21	16°44	5°31	28°59	16°44	15°32	20°30	14°19	15°44	16°21	25°56	14°46	F 19
S 20	7 55 3	29°30'36	26°29	19°57	17°22	6°13	28°53	16°39	15°29	20°30	14°19	15°33	16°17	26° 2	14°49	S 20
S 21	7 59 0	0 ² 31'38	11 ² 28	21°33	18° 2	6°55	28°47	16°35	15°27	20°30	14°19	15°21	16°14	26° 9	14°51	S 21
M22	8 2 57	1°32'39	26° 9	23°10	18°42	7°37	28°41	16°30	15°24	20°R30	14°18	15°12	16°11	26°16	14°54	M22
T 23	8 6 53	2°33'39	10 ¹ 24	24°48	19°24	8°19	28°35	16°25	15°21	20°30	14°18	15° 5	16° 8	26°22	14°57	T 23
W24	8 10 50	3°34'38	24°10	26°26	20° 6	9° 0	28°28	16°21	15°19	20°30	14°18	15° 1	16° 5	26°29	15° 0	W24
T 25	8 14 46	4°35'36	7 ¹ 26	28° 5	20°50	9°42	28°22	16°16	15°16	20°30	14°18	14°59	16° 1	26°36	15° 3	T 25
F 26	8 18 43	5°36'32	20°17	29°45	21°35	10°24	28°15	16°11	15°14	20°30	14°18	14°D59	15°58	26°43	15° 7	F 26
S 27	8 22 39	6°37'27	2 ² 45	1 ² 25	22°21	11° 6	28° 8	16° 7	15°11	20°29	14°18	14°R59	15°55	26°49	15°10	S 27
S 28	8 26 36	7°38'21	14°56	3° 6	23° 8	11°47	28° 1	16° 2	15° 9	20°29	14°D18	14°59	15°52	26°56	15°13	S 28
M29	8 30 32	8°39'13	26°55	4°48	23°55	12°29	27°54	15°57	15° 6	20°29	14°18	14°57	15°49	27° 3	15°16	M29
T 30	8 34 29	9°40'04	8 ¹¹ 47	6°30	24°44	13°11	27°47	15°52	15° 3	20°29	14°18	14°53	15°46	27° 9	15°19	T 30
W31	8 38 25	10 ² 40'53	20 ¹¹ 37	8 ² 13	25 ⁷ 33	13 ¹ 52	27 ² 40	15 ² 47	15 ² 1	20 ² 28	14 ² 18	14 ² 46	15 ² 42	27 ¹¹ 16	15 ¹ 22	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23s 6	14n53	2s32	22s51	0n21	17s16	4n46	3s12	0s27	12n23	1n 5	16n33	1n 6	16n42	0n43	6s24
T 2	23 1	16 56	3 23	23 4	0 14	17 12	4 51	2 54	0 25	12 25	1 5	16 34	1 7	16 42	0 43	6 24
W 3	22 55	18 15	4 4	23 16	0 6	17 9	4 55	2 37	0 24	12 26	1 6	16 35	1 7	16 43	0 43	6 25
T 4	22 50	18 46	4 35	23 27	0s 2	17 7	4 59	2 19	0 23	12 27	1 6	16 36	1 7	16 44	0 43	6 25
F 5	22 43	18 29	4 53	23 36	0 9	17 5	5 2	2 1	0 22	12 29	1 6	16 37	1 7	16 44	0 43	6 25
S 6	22 37	17 22	4 59	23 45	0 17	17 5	5 5	1 43	0 21	12 30	1 6	16 39	1 7	16 45	0 43	6 25
S 7	22 30	15 29	4 52	23 53	0 24	17 5	5 7	1 26	0 19	12 32	1 7	16 40	1 7	16 46	0 43	6 25
M 8	22 22	12 54	4 31	23 59	0 31	17 5	5 9	1 8	0 18	12 34	1 7	16 41	1 8	16 46	0 43	6 25
T 9	22 14	9 44	3 58	24 5	0 38	17 6	5 10	0 50	0 17	12 35	1 7	16 43	1 8	16 47	0 43	6 25
W10	22 5	6 7	3 13	24 9	0 44	17 8	5 12	0 32	0 16	12 37	1 7	16 44	1 8	16 48	0 43	6 26
T 11	21 56	2 10	2 17	24 12	0 51	17 10	5 12	0 15	0 15	12 39	1 8	16 46	1 8	16 48	0 43	6 26
F 12	21 47	1s57	1 14	24 13	0 57	17 13	5 13	0n 3	0 14	12 41	1 8	16 47	1 8	16 49	0 43	6 26
S 13	21 37	6 4	0 6	24 14	1 3	17 16	5 13	0 21	0 12	12 43	1 8	16 48	1 8	16 50	0 43	6 26
S 14	21 27	9 59	1n 5	24 12	1 9	17 20	5 13	0 38	0 11	12 45	1 8	16 50	1 8	16 50	0 43	6 26
M15	21 17	13 28	2 14	24 10	1 14	17 24	5 13	0 56	0 10	12 47	1 8	16 51	1 9	16 51	0 43	6 26
T 16	21 6	16 16	3 6	24 6	1 20	17 28	5 12	1 14	0 9	12 49	1 9	16 53	1 9	16 52	0 43	6 26
W17	20 54	18 5	4 8	24 1	1 25	17 33	5 11	1 31	0 8	12 51	1 9	16 54	1 9	16 53	0 43	6 26
T 18	20 42	18 43	4 43	23 55	1 29	17 38	5 10	1 49	0 7	12 54	1 9	16 56	1 9	16 53	0 43	6 26
F 19	20 30	18 1	5 0	23 47	1 34	17 43	5 8	2 7	0 6	12 56	1 9	16 57	1 9	16 54	0 43	6 26
S 20	20 18	16 4	4 55	23 37	1 38	17 48	5 6	2 24	0 5	12 58	1 10	16 59	1 9	16 55	0 43	6 26
S 21	20 5	13 2	4 31	23 26	1 42	17 53	5 4	2 42	0 4	13 0	1 10	17 0	1 10	16 56	0 43	6 26
M22	19 51	9 15	3 48	23 14	1 46	17 59	5 2	2 59	0 3	13 3	1 10	17 2	1 10	16 56	0 43	6 26
T 23	19 38	5 1	2 52	23 0	1 49	18 5	5 0	3 17	0 2	13 5	1 10	17 3	1 10	16 57	0 43	6 26
W24	19 23	0 40	1 48	22 45	1 52	18 10	4 57	3 34	0 1	13 8	1 10	17 5	1 10	16 58	0 43	6 26
T 25	19 9	3n34	0 40	22 28	1 55	18 16	4 55	3 51	0n 0	13 10	1 11	17 6	1 10	16 59	0 43	6 26
F 26	18 54	7 30	0s28	22 10	1 58	18 22	4 52	4 9	0 1	13 13	1 11	17 8	1 10	16 59	0 43	6 25
S 27	18 39	11 0	1 33	21 50	2 0	18 28	4 49	4 26	0 2	13 15	1 11	17 9	1 10	17 0	0 43	6 25
S 28	18 24	13 55	2 32	21 28	2 1	18 33	4 46	4 43	0 3	13 18	1 11	17 11	1 10	17 1	0 43	6 25
M29	18 8	16 12	3 24	21 5	2 3	18 39	4 42	5 0	0 4	13 20	1 11	17 12	1 11	17 2	0 43	6 25
T 30	17 52	17 46	4 6	20 41	2 4	18 44	4 39	5 17	0 5	13 23	1 11	17 14	1 11	17 3	0 43	6 25
W31	17s35	18n33	4s37	20s15	2s 4	18s50	4n35	5n35	0n 6	13n26	1n12	17n16	1n11	17n 3	0n43	6s25

Julian Day Number = 2314213.5, Delta T = 62.96 sec
 Ecliptic obliquity = 23°29'08, Nutation = 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°29'33, Lahiri = 18°36'33Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

FEBRUARY 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	8 42 22	11 ⁴¹ 42	2 ²⁸ 28	9 ⁵⁷ 57	26 ²³ 23	14 ³⁴ 34	27 ³² 32	15 ⁴² 42	14 ⁵⁸ 58	20 ²⁸ 28	14 ¹⁸ 18	14 ³⁷ 37	15 ³⁹ 39	27 ²³ 23	15 ²⁶ 26	T 1
F 2	8 46 19	12 ⁴² 28	14 ²⁵ 25	11 ⁴² 42	27 ¹⁴ 14	15 ¹⁶ 16	27 ²⁵ 25	15 ³⁸ 38	14 ⁵⁶ 56	20 ²⁸ 28	14 ¹⁸ 18	14 ²⁶ 26	15 ³⁶ 36	27 ³⁰ 30	15 ²⁹ 29	F 2
S 3	8 50 15	13 ⁴³ 14	26 ²⁸ 28	13 ²⁷ 27	28 ⁵ 5	15 ⁵⁷ 57	27 ¹⁷ 17	15 ³³ 33	14 ⁵³ 53	20 ²⁷ 27	14 ¹⁸ 18	14 ¹⁴ 14	15 ³³ 33	27 ³⁶ 36	15 ³² 32	S 3
S 4	8 54 12	14 ⁴³ 58	8 ⁴⁰ 40	15 ¹⁴ 14	28 ⁵⁷ 57	16 ³⁹ 39	27 ¹⁰ 10	15 ²⁸ 28	14 ⁵⁰ 50	20 ²⁷ 27	14 ¹⁸ 18	14 ² 2	15 ³⁰ 30	27 ⁴³ 43	15 ³⁶ 36	S 4
M 5	8 58 8	15 ⁴⁴ 40	21 ¹ 1	17 ¹ 1	29 ⁵⁰ 50	17 ²⁰ 20	27 ² 2	15 ²³ 23	14 ⁴⁸ 48	20 ²⁷ 27	14 ¹⁹ 19	13 ⁵¹ 51	15 ²⁷ 27	27 ⁵⁰ 50	15 ³⁹ 39	M 5
T 6	9 2 5	16 ⁴⁵ 21	3 ³² 32	18 ⁴⁸ 48	0 ³⁴ 34	18 ² 2	26 ⁵⁵ 55	15 ¹⁸ 18	14 ⁴⁵ 45	20 ²⁶ 26	14 ¹⁹ 19	13 ⁴² 42	15 ²³ 23	27 ⁵⁷ 57	15 ⁴² 42	T 6
W 7	9 6 1	17 ⁴⁶ 01	16 ¹³ 13	20 ³⁷ 37	1 ³⁸ 38	18 ⁴³ 43	26 ⁴⁷ 47	15 ¹³ 13	14 ⁴² 42	20 ²⁵ 25	14 ¹⁹ 19	13 ³⁶ 36	15 ²⁰ 20	28 ³ 3	15 ⁴⁶ 46	W 7
T 8	9 9 58	18 ⁴⁶ 40	29 ⁵ 5	22 ²⁶ 26	2 ³³ 33	19 ²⁵ 25	26 ³⁹ 39	15 ⁸ 8	14 ⁴⁰ 40	20 ²⁵ 25	14 ¹⁹ 19	13 ³³ 33	15 ¹⁷ 17	28 ¹⁰ 10	15 ⁴⁹ 49	T 8
F 9	9 13 54	19 ⁴⁷ 17	12 ⁸ 8	24 ¹⁵ 15	3 ²⁸ 28	20 ⁶ 6	26 ³¹ 31	15 ³ 3	14 ³⁷ 37	20 ²⁴ 24	14 ¹⁹ 19	13 ³⁰ 30	15 ¹⁴ 14	28 ¹⁷ 17	15 ⁵³ 53	F 9
S 10	9 17 51	20 ⁴⁷ 53	25 ²⁵ 25	26 ⁶ 6	4 ²⁴ 24	20 ⁴⁸ 48	26 ²⁴ 24	14 ⁵⁹ 59	14 ³⁵ 35	20 ²⁴ 24	14 ²⁰ 20	13 ³² 32	15 ¹¹ 11	28 ²³ 23	15 ⁵⁶ 56	S 10
S 11	9 21 48	21 ⁴⁸ 28	8 ⁵⁶ 56	27 ⁵⁶ 56	5 ²¹ 21	21 ²⁹ 29	26 ¹⁶ 16	14 ⁵⁴ 54	14 ³² 32	20 ²³ 23	14 ²⁰ 20	13 ³³ 33	15 ⁷ 7	28 ³⁰ 30	16 ⁰ 0	S 11
M 12	9 25 44	22 ⁴⁹ 02	22 ⁴³ 43	29 ⁴⁷ 47	6 ¹⁸ 18	22 ¹¹ 11	26 ⁸ 8	14 ⁴⁹ 49	14 ²⁹ 29	20 ²² 22	14 ²⁰ 20	13 ³⁴ 34	15 ⁴ 4	28 ³⁷ 37	16 ³ 3	M 12
T 13	9 29 41	23 ⁴⁹ 34	6 ⁴⁶ 46	1 ³⁹ 39	7 ¹⁶ 16	22 ⁵² 52	26 ⁰ 0	14 ⁴⁴ 44	14 ²⁷ 27	20 ²² 22	14 ²¹ 21	13 ³³ 33	15 ¹ 1	28 ⁴⁴ 44	16 ⁷ 7	T 13
W 14	9 33 37	24 ⁵⁰ 06	21 ⁵ 5	3 ³⁰ 30	8 ¹⁴ 14	23 ³³ 33	25 ⁵² 52	14 ³⁹ 39	14 ²⁴ 24	20 ²¹ 21	14 ²¹ 21	13 ³⁰ 30	14 ⁵⁸ 58	28 ⁵⁰ 50	16 ¹⁰ 10	W 14
T 15	9 37 34	25 ⁵⁰ 36	5 ³⁸ 38	5 ²¹ 21	9 ¹² 12	24 ¹⁵ 15	25 ⁴⁴ 44	14 ³⁵ 35	14 ²² 22	20 ²⁰ 20	14 ²¹ 21	13 ²⁶ 26	14 ⁵⁵ 55	28 ⁵⁷ 57	16 ¹⁴ 14	T 15
F 16	9 41 30	26 ⁵¹ 04	20 ²⁰ 20	7 ¹² 12	10 ¹¹ 11	24 ⁵⁶ 56	25 ³⁶ 36	14 ³⁰ 30	14 ¹⁹ 19	20 ¹⁹ 19	14 ²² 22	13 ¹⁹ 19	14 ⁵² 52	29 ⁴ 4	16 ¹⁷ 17	F 16
S 17	9 45 27	27 ⁵¹ 32	5 ³ 3	9 ³ 3	11 ¹⁰ 10	25 ³⁷ 37	25 ²⁸ 28	14 ²⁵ 25	14 ¹⁷ 17	20 ¹⁹ 19	14 ²² 22	13 ¹² 12	14 ⁴⁸ 48	29 ¹⁰ 10	16 ²¹ 21	S 17
S 18	9 49 23	28 ⁵¹ 57	19 ⁴² 42	10 ⁵³ 53	12 ¹⁰ 10	26 ¹⁹ 19	25 ²⁰ 20	14 ²⁰ 20	14 ¹⁴ 14	20 ¹⁸ 18	14 ²³ 23	13 ⁴ 4	14 ⁴⁵ 45	29 ¹⁷ 17	16 ²⁵ 25	S 18
M 19	9 53 20	29 ⁵² 21	4 ⁷ 7	12 ⁴¹ 41	13 ¹⁰ 10	27 ⁰ 0	25 ¹³ 13	14 ¹⁶ 16	14 ¹² 12	20 ¹⁷ 17	14 ²³ 23	12 ⁵⁸ 58	14 ⁴² 42	29 ²⁴ 24	16 ²⁸ 28	M 19
T 20	9 57 17	0 ⁵² 43	18 ¹³ 13	14 ²⁸ 28	14 ¹¹ 11	27 ⁴¹ 41	25 ⁵ 5	14 ¹¹ 11	14 ⁹ 9	20 ¹⁶ 16	14 ²⁴ 24	12 ⁵⁴ 54	14 ³⁹ 39	29 ³¹ 31	16 ³² 32	T 20
W 21	10 1 13	1 ⁵³ 04	1 ⁵⁶ 56	16 ¹³ 13	15 ¹² 12	28 ²² 22	24 ⁵⁷ 57	14 ⁷ 7	14 ⁷ 7	20 ¹⁵ 15	14 ²⁴ 24	12 ⁵¹ 51	14 ³⁶ 36	29 ³⁷ 37	16 ³⁶ 36	W 21
T 22	10 5 10	2 ⁵³ 22	15 ¹⁴ 14	17 ⁵⁵ 55	16 ¹³ 13	29 ⁴ 4	24 ⁴⁹ 49	14 ² 2	14 ⁴ 4	20 ¹⁴ 14	14 ²⁵ 25	12 ⁵¹ 51	14 ³³ 33	29 ⁴⁴ 44	16 ³⁹ 39	T 22
F 23	10 9 6	3 ⁵³ 39	28 ⁸ 8	19 ³⁵ 35	17 ¹⁴ 14	29 ⁴⁵ 45	24 ⁴¹ 41	13 ⁵⁸ 58	14 ² 2	20 ¹³ 13	14 ²⁵ 25	12 ⁵² 52	14 ²⁹ 29	29 ⁵¹ 51	16 ⁴³ 43	F 23
S 24	10 13 3	4 ⁵³ 53	10 ⁸ 8	21 ¹¹ 11	18 ¹⁶ 16	0 ²⁶ 26	24 ³⁴ 34	13 ⁵³ 53	13 ⁵⁹ 59	20 ¹² 12	14 ²⁶ 26	12 ⁵³ 53	14 ²⁶ 26	29 ⁵⁷ 57	16 ⁴⁷ 47	S 24
S 25	10 16 59	5 ⁵⁴ 06	22 ⁵⁶ 56	22 ⁴³ 43	19 ¹⁸ 18	1 ⁷ 7	24 ²⁶ 26	13 ⁴⁹ 49	13 ⁵⁷ 57	20 ¹¹ 11	14 ²⁶ 26	12 ⁵⁵ 55	14 ²³ 23	0 ⁵ 4	16 ⁵⁰ 50	S 25
M 26	10 20 56	6 ⁵⁴ 16	4 ⁵⁸ 58	24 ¹¹ 11	20 ²¹ 21	1 ⁴⁸ 48	24 ¹⁸ 18	13 ⁴⁵ 45	13 ⁵⁵ 55	20 ¹⁰ 10	14 ²⁷ 27	12 ⁵⁶ 56	14 ²⁰ 20	0 ¹¹ 11	16 ⁵⁴ 54	M 26
T 27	10 24 52	7 ⁵⁴ 25	16 ⁵³ 53	25 ³³ 33	21 ²⁴ 24	2 ²⁹ 29	24 ¹¹ 11	13 ⁴⁰ 40	13 ⁵² 52	20 ⁹ 9	14 ²⁷ 27	12 ⁵⁵ 55	14 ¹⁷ 17	0 ¹⁸ 18	16 ⁵⁸ 58	T 27
W 28	10 28 49	8 ⁵⁴ 31	28 ⁴⁵ 45	26 ⁵⁰ 50	22 ²⁷ 27	3 ¹⁰ 10	24 ³ 3	13 ³⁶ 36	13 ⁵⁰ 50	20 ⁸ 8	14 ²⁸ 28	12 ⁵³ 53	14 ¹³ 13	0 ²⁴ 24	17 ² 2	W 28
T 29	10 32 46	9 ⁵⁴ 35	10 ³⁸ 38	28 ⁴ 4	23 ³⁰ 30	3 ⁵¹ 51	23 ⁵⁶ 56	13 ³² 32	13 ⁴⁸ 48	20 ⁷ 7	14 ²⁹ 29	12 ⁵⁰ 50	14 ¹⁰ 10	0 ³¹ 31	17 ⁴ 4	T 29

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
T 1	17s19	18n31	4s56	19s47	2s 5	18s55	4n31	5n52	0n 7	13n28	1n12	17n17	1n11	17n 4	0n43	6s25	1n44	1n51	14s57	5s46	6s10	18n34	1s51	4n14
F 2	17 2	17 41	5 3	19 18	2 4	19 0	4 27	6 9	0 8	13 31	1 12	17 19	1 11	17 5	0 43	6 24	1 44	1 51	14 57	5 42	6 9	18 34	1 50	4 13
S 3	16 44	16 3	4 56	18 47	2 3	19 5	4 23	6 25	0 9	13 34	1 12	17 20	1 11	17 6	0 43	6 24	1 44	1 51	14 57	5 37	6 8	18 34	1 49	4 13
S 4	16 27	13 41	4 36	18 15	2 2	19 10	4 19	6 42	0 10	13 37	1 12	17 22	1 11	17 6	0 44	6 24	1 44	1 52	14 56	5 33	6 7	18 34	1 48	4 13
M 5	16 9	10 41	4 3	17 41	2 1	19 14	4 15	6 59	0 11	13 39	1 12	17 23	1 11	17 7	0 44	6 24	1 44	1 52	14 56	5 28	6 5	18 34	1 47	4 13
T 6	15 51	7 10	3 17	17 5	1 58	19 18	4 11	7 16	0 11	13 42	1 13	17 25	1 11	17 8	0 44	6 24	1 44	1 53	14 56	5 25	6 4	18 34	1 46	4 13
W 7	15 32	3 17	2 21	16 29	1 56	19 22	4 6	7 32	0 12	13 45	1 13	17 26	1 11	17 9	0 44	6 23	1 44	1 53	14 55	5 23	6 3	18 33	1 45	4 13
T 8	15 14	0s48	1 17	15 50	1 52	19 26	4 2	7 49	0 13	13 48	1 13	17 28	1 12	17 10	0 44	6 23	1 44	1 53	14 55	5 21	6 2	18 33	1 44	4 12
F 9	14 55	4 55	0 7	15 10	1 49	19 29	3 57	8 5	0 14	13 50	1 13	17 29	1 12	17 10	0 44	6 23	1 44	1 54	14 55	5 21	6 1	18 33	1 42	4 12
S 10	14 35	8 52	1n 3	14 29	1 44	19 32	3 53	8 22	0 15	13 53	1 13	17 31	1 12	17 11	0 44	6 22	1 44	1 54	14 54	5 21	5 59	18 33	1 41	4 12
S 11	14 16	12 25	2 12	13 46	1 39	19 35	3 48	8 38	0 16	13 56	1 13	17 33	1 12	17 12	0 44	6 22	1 44	1 54	14 54	5 22	5 58	18 33	1 40	4 12
M 12	13 56	15 21	3 15	13 2	1 34	19 37	3 43	8 54	0 17	13 59	1 13	17 34	1 12	17 13	0 44	6 22	1 44	1 55	14 54	5 22	5 57	18 33	1 39	4 12
T 13	13 36	17 26	4 7	12 16	1 27	19 39	3 38	9 11	0 17	14 2	1 13	17 35	1 12	17 13	0 44	6 22	1 44	1 55	14 53	5 22	5 56	18 32	1 37	4 12
W 14	13 16	18 27	4 45	11 30	1 21	19 41	3 33	9 27	0 18	14 4	1 13	17 37	1 12	17 14	0 44	6 21	1 44	1 56	14 53	5 20	5 54	18 32	1 36	4 11
T 15	12 56	18 17	5 5	10 42	1 13	19 42	3 28	9 43	0 19	14 7	1 14	17 38	1 12	17 15	0 44	6 21	1 44	1 56	14 53	5 19	5 53	18 32	1 35	4 11
F 16	12 35	16 55	5 5	9 53	1 5	19 43	3 23	9 59	0 20	14 10	1 14	17 40	1 12	17 16	0 44	6 21	1 45	1 57	14 52	5 16	5 52	18 32	1 34	4 11
S 17	12 14	14 25	4 46	9 3	0 56	19 43	3 18	10 15	0 21	14 13	1 14	17 41	1 12	17 16	0 44	6 20	1 45	1 57	14 52	5 13	5 51	18 32	1 32	4 11
S 18	11 53	11 1	4 8	8 13	0 46	19 43	3 13	10 30	0 21	14 15	1 14	17 43	1 12	17 17	0 44	6 20	1 45	1 57	14 52	5 10	5 49	18 31	1 31	4 11
M 19	11 32	7 0	3 14	7 22	0 36	19 43	3 8	10 46	0 22	14 18	1 14	17 44	1 12	17 18	0 43	6 19	1 45	1 58	14 51	5 8	5 48	18 31	1 30	4 11
T 20	11 11	2 41	2 9	6 31	0 26	19 42	3 3	11 2	0 23	14 21	1 14	17 46	1 12	17 19	0 43	6 19	1 45	1 58	14 51	5 6	5 47	18 31	1 29	4 11
W 21	10 49	1n40	0 59	5 40	0 14	19 40	2 58	11 17	0 24	14 24	1 14	17 47	1 12	17 19	0 43	6 19	1 45	1 59	14 51	5 5	5 46	18 31	1 27	4 11
T 22	10 28	5 49	0s13	4 49	0 2	19 39	2 53	11 32	0 24	14 26	1 14	17 48	1 13	17 20	0 43	6 18	1 45	1 59	14 50	5 5	5 45	18 31	1 26	4 10
F 23	10 6	9 33	1 22	3 58	0n10	19 36	2 47	11 48	0 25	14 29	1 14	17 50	1 13	17 21	0 43	6 18	1 45	2 0	14 50	5 5	5 43	18 30	1 25	4 10
S 24	9 44	12 45	2 26	3 9	0 23	19 34	2 42	12 3	0 26	14 32	1 14	17 51	1 13	17 21	0 43	6 17	1 45	2 0	14 50	5 6	5 42	18 30	1 23	4 10
S 25	9 22	15 18	3 21	2 20	0 37	19 30	2 37	12 18	0 26	14 34	1 14	17 52	1 13	17 22	0 43	6 17	1 45	2 0	14 50	5 7	5 41	18 30	1 22	4 10
M 26	9 0	17 8	4 6	1 33	0 50	19 27	2 32	12 33	0 27	14 37	1 14	17 54	1 13	17 23	0 43	6 16	1 45	2 1	14 49	5 7	5 40	18 30	1 21	4 10
T 27	8 37	18 11	4 40	0 47	1 4	19 22	2 26	12 48	0 28	14 39	1 14	17 55	1 13	17 23	0 43	6 16	1 45	2 1	14 49	5 7	5 38	18 30	1 19	4 10
W 28	8 15	18 26	5 2	0 4	1 19	19 18	2 11	13 2	0 29	14 42	1 14	17 56	1 13	17 24	0 43	6 16	1 45	2 2	14 49	5 6	5 37	18 29	1 18	4 10
T 29	7s52	17n53	5s12	0n37	1n33	19s12	2n16	13n17	0n29	14n44	1n14	17n57	1n13	17n25	0n43	6s15	1n45	2n 2	14s48	5s 5	5s36	18n29	1s17	4n10

ASTRODIENST EPHEMERIS for the year 1624

geocentric

MARCH 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 36 42	10 h 54'37"	22 h 37'	29 h 4'	24 h 34'	4 h 32'	23°R49	13°R28	13°R45	20°R 5	14 h 8'29"	12°R45	14 h 7'	0 h 38'	17 h 9'	F 1
S 2	10 40 39	11°54'37"	4 h 45'	29°59'	25°38'	5°13'	23 h 42'	13 h 42'	13 h 43'	20 h 4'	14°30'	12 h 40'	14° 4'	0°44'	17°13'	S 2
S 3	10 44 35	12°54'35"	17° 5'	0 h 48'	26°42'	5°54'	23°34'	13°20'	13°41'	20° 3'	14°31'	12°34'	14° 1'	0°51'	17°16'	S 3
M 4	10 48 32	13°54'30"	29°38'	1°29'	27°46'	6°35'	23°27'	13°16'	13°39'	20° 2'	14°32'	12°29'	13°58'	0°58'	17°20'	M 4
T 5	10 52 28	14°54'24"	12 h 26'	2° 0'	28°51'	7°16'	23°20'	13°12'	13°37'	20° 1'	14°32'	12°25'	13°54'	1° 5'	17°24'	T 5
W 6	10 56 25	15°54'16"	25°27'	2°23'	29°56'	7°57'	23°14'	13° 9'	13°35'	19°59'	14°33'	12°23'	13°51'	1°11'	17°28'	W 6
T 7	11 0 21	16°54'06"	8 h 42'	2°38'	1 h 8'	8°37'	23° 7'	13° 5'	13°32'	19°58'	14°34'	12°D22	13°48'	1°18'	17°32'	T 7
F 8	11 4 18	17°53'53"	22° 9'	2°R44	2° 6'	9°18'	23° 0'	13° 2'	13°30'	19°57'	14°35'	12°22'	13°45'	1°25'	17°35'	F 8
S 9	11 8 15	18°53'40"	5 h 47'	2°41'	3°11'	9°59'	22°54'	12°58'	13°28'	19°55'	14°35'	12°23'	13°42'	1°31'	17°39'	S 9
S 10	11 12 11	19°53'24"	19°36'	2°30'	4°17'	10°40'	22°47'	12°55'	13°26'	19°54'	14°36'	12°25'	13°38'	1°38'	17°43'	S 10
M 11	11 16 8	20°53'07"	3 h 34'	2°10'	5°23'	11°20'	22°41'	12°51'	13°25'	19°53'	14°37'	12°26'	13°35'	1°45'	17°47'	M 11
T 12	11 20 4	21°52'48"	17°39'	1°44'	6°29'	12° 1'	22°35'	12°48'	13°23'	19°51'	14°38'	12°R27	13°32'	1°52'	17°50'	T 12
W 13	11 24 1	22°52'27"	1 h 31'	1°11'	7°35'	12°42'	22°29'	12°45'	13°21'	19°50'	14°39'	12°27'	13°29'	1°58'	17°54'	W 13
T 14	11 27 57	23°52'05"	16° 7'	0°32'	8°42'	13°22'	22°23'	12°42'	13°19'	19°48'	14°40'	12°26'	13°26'	2° 5'	17°58'	T 14
F 15	11 31 54	24°51'41"	0 h 25'	29 h 47'	9°48'	14° 3'	22°17'	12°39'	13°17'	19°47'	14°41'	12°24'	13°23'	2°12'	18° 2'	F 15
S 16	11 35 50	25°51'15"	14°40'	28°59'	10°55'	14°43'	22°12'	12°36'	13°15'	19°45'	14°42'	12°22'	13°19'	2°19'	18° 5'	S 16
S 17	11 39 47	26°50'47"	28°48'	28° 8'	12° 2'	15°24'	22° 6'	12°33'	13°14'	19°44'	14°43'	12°19'	13°16'	2°25'	18° 9'	S 17
M 18	11 43 43	27°50'17"	12 h 46'	27°16'	13° 9'	16° 5'	22° 1'	12°30'	13°12'	19°42'	14°44'	12°18'	13°13'	2°32'	18°13'	M 18
T 19	11 47 40	28°49'45"	26°30'	26°23'	14°16'	16°45'	21°56'	12°28'	13°10'	19°41'	14°45'	12°16'	13°10'	2°39'	18°16'	T 19
W 20	11 51 37	29°49'11"	9 h 57'	25°30'	15°24'	17°26'	21°51'	12°25'	13° 9'	19°39'	14°45'	12°D16	13° 7'	2°45'	18°20'	W 20
T 21	11 55 33	0 h 48'35"	23° 5'	24°38'	16°31'	18° 6'	21°46'	12°23'	13° 7'	19°38'	14°47'	12°16'	13° 4'	2°52'	18°24'	T 21
F 22	11 59 30	1°47'57"	5 h 55'	23°50'	17°39'	18°46'	21°41'	12°21'	13° 6'	19°36'	14°48'	12°17'	13° 0'	2°59'	18°28'	F 22
S 23	12 3 26	2°47'17"	18°26'	23° 4'	18°46'	19°27'	21°37'	12°18'	13° 4'	19°35'	14°49'	12°18'	12°57'	3° 6'	18°31'	S 23
S 24	12 7 23	3°46'34"	0 h 43'	22°22'	19°54'	20° 7'	21°33'	12°16'	13° 3'	19°33'	14°50'	12°19'	12°54'	3°12'	18°35'	S 24
M 25	12 11 19	4°45'50"	12°47'	21°45'	21° 2'	20°47'	21°28'	12°14'	13° 2'	19°32'	14°51'	12°20'	12°51'	3°19'	18°39'	M 25
T 26	12 15 16	5°45'03"	24°44'	21°13'	22°10'	21°28'	21°24'	12°12'	13° 0'	19°30'	14°52'	12°20'	12°48'	3°26'	18°42'	T 26
W 27	12 19 12	6°44'13"	6 h 37'	20°46'	23°19'	22° 8'	21°21'	12°10'	12°59'	19°29'	14°53'	12°R20	12°44'	3°32'	18°46'	W 27
T 28	12 23 9	7°43'21"	18°31'	20°25'	24°27'	22°48'	21°17'	12° 9'	12°58'	19°27'	14°54'	12°20'	12°41'	3°39'	18°49'	T 28
F 29	12 27 6	8°42'27"	0 h 31'	20° 9'	25°35'	23°28'	21°13'	12° 7'	12°57'	19°25'	14°55'	12°20'	12°38'	3°46'	18°53'	F 29
S 30	12 31 2	9°41'31"	12°41'	19°59'	26°44'	24° 9'	21°10'	12° 6'	12°56'	19°24'	14°56'	12°19'	12°35'	3°53'	18°57'	S 30
S 31	12 34 59	10 h 40'32"	25 h 42'	19°D55	27 h 53'	24 h 49'	21 h 42'	12 h 42'	12 h 55'	19 h 22'	14 h 57'	12 h 19'	12 h 32'	3 h 59'	19 h 0'	S 31

Day	☉	☽		♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	7s29	16n32	5s 7	1n15	1n47	19s 7	2n11	13n32	0n30	14n47	1n14	17n58	1n13	17n25	0n43	6s15	1n45	2n 3	14s48	5s 3	5s35
S 2	7 7	14 26	4 49	1 50	2 0	19 0	2 5	13 46	0 31	14 49	1 14	18 0	1 13	17 26	0 43	6 14	1 45	2 3	14 48	5 1	5 33
S 3	6 44	11 39	4 17	2 22	2 14	18 54	2 0	14 0	0 31	14 51	1 14	18 1	1 13	17 27	0 43	6 14	1 45	2 4	14 47	4 58	5 32
M 4	6 21	8 18	3 33	2 50	2 27	18 46	1 55	14 14	0 32	14 54	1 14	18 2	1 13	17 27	0 43	6 13	1 45	2 4	14 47	4 57	5 31
T 5	5 57	4 30	2 37	3 14	2 39	18 39	1 50	14 28	0 32	14 56	1 14	18 3	1 13	17 28	0 43	6 13	1 45	2 5	14 47	4 55	5 30
W 6	5 34	0 25	1 32	3 34	2 51	18 30	1 44	14 42	0 33	14 58	1 14	18 4	1 13	17 28	0 43	6 12	1 45	2 5	14 47	4 54	5 29
T 7	5 11	3s46	0 20	3 49	3 1	18 22	1 39	14 56	0 34	15 0	1 14	18 5	1 13	17 29	0 43	6 12	1 45	2 6	14 46	4 54	5 27
F 8	4 48	7 49	0n54	4 0	3 10	18 12	1 34	15 10	0 34	15 3	1 14	18 6	1 13	17 30	0 43	6 11	1 46	2 6	14 46	4 54	5 26
S 9	4 24	11 30	2 5	4 6	3 18	18 2	1 29	15 23	0 35	15 5	1 14	18 7	1 13	17 30	0 43	6 11	1 46	2 7	14 46	4 54	5 25
S 10	4 1	14 36	3 11	4 8	3 25	17 52	1 24	15 37	0 36	15 7	1 14	18 8	1 13	17 31	0 43	6 10	1 46	2 7	14 45	4 55	5 24
M 11	3 37	16 53	4 6	4 4	3 30	17 41	1 19	15 50	0 36	15 9	1 14	18 9	1 13	17 31	0 43	6 9	1 46	2 8	14 45	4 55	5 22
T 12	3 14	18 10	4 46	3 57	3 33	17 30	1 14	16 3	0 37	15 11	1 14	18 10	1 13	17 32	0 43	6 9	1 46	2 8	14 45	4 56	5 21
W 13	2 50	18 19	5 10	3 45	3 35	17 18	1 9	16 16	0 37	15 13	1 14	18 11	1 13	17 32	0 43	6 8	1 46	2 9	14 45	4 56	5 20
T 14	2 26	17 18	5 15	3 29	3 34	17 6	1 4	16 29	0 38	15 15	1 14	18 12	1 13	17 33	0 43	6 8	1 46	2 9	14 44	4 55	5 19
F 15	2 3	15 13	5 0	3 10	3 32	16 53	0 59	16 42	0 38	15 16	1 14	18 13	1 13	17 33	0 43	6 7	1 46	2 10	14 44	4 54	5 17
S 16	1 39	12 13	4 27	2 47	3 28	16 40	0 54	16 54	0 39	15 18	1 14	18 14	1 13	17 34	0 43	6 7	1 46	2 10	14 44	4 54	5 16
S 17	1 15	8 31	3 38	2 21	3 22	16 26	0 49	17 7	0 40	15 20	1 14	18 14	1 13	17 34	0 43	6 6	1 46	2 11	14 44	4 53	5 15
M 18	0 52	4 23	2 36	1 53	3 14	16 12	0 44	17 19	0 40	15 22	1 14	18 15	1 13	17 35	0 43	6 5	1 46	2 11	14 43	4 52	5 14
T 19	0 28	0 5	1 26	1 23	3 5	15 57	0 39	17 31	0 41	15 23	1 14	18 16	1 13	17 35	0 43	6 5	1 46	2 12	14 43	4 52	5 12
W 20	0 4	4n 9	0 13	0 52	2 54	15 42	0 35	17 43	0 41	15 25	1 14	18 17	1 13	17 35	0 43	6 4	1 46	2 12	14 43	4 51	5 11
T 21	0n19	8 4	1s 0	0 21	2 42	15 27	0 30	17 55	0 42	15 26	1 14	18 17	1 13	17 36	0 43	6 4	1 46	2 13	14 43	4 52	5 10
F 22	0 43	11 31	2 7	0s11	2 29	15 10	0 25	18 7	0 42	15 28	1 13	18 18	1 13	17 36	0 43	6 3	1 46	2 13	14 42	4 52	5 9
S 23	1 7	14 21	3 7	0 42	2 14	14 54	0 21	18 19	0 43	15 29	1 13	18 18	1 13	17 37	0 43	6 2	1 46	2 14	14 42	4 52	5 7
S 24	1 30	16 28	3 57	1 12	2 0	14 37	0 16	18 30	0 43	15 30	1 13	18 19	1 13	17 37	0 43	6 2	1 46	2 14	14 42	4 52	5 6
M 25	1 54	17 49	4 36	1 41	1 44	14 20	0 12	18 41	0 44	15 32	1 13	18 20	1 13	17 37	0 43	6 1	1 46	2 15	14 42	4 53	5 5
T 26	2 17	18 21	5 2	2 8	1 28	14 2	0 7	18 52	0 44	15 33	1 13	18 20	1 13	17 38	0 43	6 1	1 46	2 15	14 42	4 53	5 4
W 27	2 41	18 4	5 15	2 33	1 13	13 44	0 3	19 3	0 45	15 34	1 13	18 21	1 13	17 38	0 43	6 0	1 46	2 16	14 41	4 53	5 3
T 28	3 4	17 0	5 15	2 56	0 57	13 25	0s 1	19 14	0 45	15 35	1 13	18 21	1 13	17 38	0 43	5 59	1 46	2 16	14 41	4 53	5 1
F 29	3 28	15 10	5 1	3 17	0 41	13 6	0 5	19 25	0 46	15 36	1 13	18 22	1 13	17 39	0 43	5 59	1 46	2 17	14 41	4 53	5 0
S 30	3 51	12 39	4 34	3 35	0 26	12 47	0 10	19 35	0 46	15 37	1 13	18 22	1 13	17 39	0 43	5 58	1 46	2 17	14 41	4 53	4 59
S 31	4n14	9n32	3s53	3s50	0n11	12s27	0s14	19n46	0n47	15n38	1n13	18n22	1n13	17n39	0n43	5s58	1n46	2n18	14s40	4s53	4s58

ASTRODIENST EPHEMERIS for the year 1624
geocentric

APRIL 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 38 55	11°39'31	7°45	19°55	29°55 1	25°8'29	21°R 4	12°R 3	12°R54	19°R21	14°8'58	12°R19	12°29	4°56 6	19°55 4	M 1
T 2	12 42 52	12°38'28	20°45	20° 2	0°10'10	26° 9	21°R 1	12°R 2	12°R53	19°R19	15° 0	12°D19	12°25	4°13	19° 7	T 2
W 3	12 46 48	13°37'23	4°43	20°13	1°19	26°49	20°59	12° 1	12°52	19°17	15° 1	12°R19	12°22	4°20	19°11	W 3
T 4	12 50 45	14°36'15	17°40	20°30	2°28	27°29	20°56	12° 0	12°51	19°16	15° 2	12°R19	12°19	4°26	19°14	T 4
F 5	12 54 41	15°35'06	1°13'34	20°51	3°37	28° 9	20°54	11°59	12°50	19°14	15° 3	12°19	12°16	4°33	19°18	F 5
S 6	12 58 38	16°33'54	15°41	21°17	4°46	28°49	20°52	11°58	12°49	19°12	15° 4	12°19	12°13	4°40	19°21	S 6
S 7	13 2 35	17°32'41	29°57	21°47	5°56	29°29	20°50	11°57	12°49	19°11	15° 6	12°18	12° 9	4°46	19°25	S 7
M 8	13 6 31	18°31'26	14°21'17	22°21	7° 5	0°11' 9	20°49	11°57	12°48	19° 9	15° 7	12°17	12° 6	4°53	19°28	M 8
T 9	13 10 28	19°30'10	28°38	23° 0	8°15	0°49	20°47	11°56	12°48	19° 7	15° 8	12°17	12° 3	5° 0	19°31	T 9
W10	13 14 24	20°28'52	12°35'56	23°42	9°24	1°29	20°46	11°56	12°47	19° 6	15° 9	12°16	12° 0	5° 7	19°35	W10
T 11	13 18 21	21°27'32	27° 7	24°28	10°34	2° 9	20°45	11°56	12°46	19° 4	15°11	12°D16	11°57	5°13	19°38	T 11
F 12	13 22 17	22°26'10	11°22'10	25°17	11°43	2°48	20°44	11°55	12°46	19° 2	15°12	12°17	11°54	5°20	19°41	F 12
S 13	13 26 14	23°24'47	25° 4	26° 9	12°53	3°28	20°43	11°D55	12°46	19° 1	15°13	12°18	11°50	5°27	19°45	S 13
S 14	13 30 10	24°23'21	8°46	27° 5	14° 3	4° 8	20°43	11°55	12°45	18°59	15°14	12°19	11°47	5°33	19°48	S 14
M15	13 34 7	25°21'55	22°16	28° 4	15°13	4°48	20°42	11°56	12°45	18°58	15°16	12°20	11°44	5°40	19°51	M15
T 16	13 38 3	26°20'26	5°33	29° 5	16°23	5°27	20°D42	11°56	12°45	18°56	15°17	12°20	11°41	5°47	19°54	T 16
W17	13 42 0	27°18'56	18°37	0°39	17°33	6° 7	20°42	11°56	12°45	18°54	15°18	12°R20	11°38	5°54	19°57	W17
T 18	13 45 57	28°17'23	1°8'28	1°16	18°43	6°47	20°42	11°57	12°45	18°53	15°20	12°19	11°35	6° 0	20° 0	T 18
F 19	13 49 53	29°15'49	14° 5	2°25	19°53	7°27	20°43	11°57	12°44	18°51	15°21	12°18	11°31	6° 7	20° 4	F 19
S 20	13 53 50	0°14'13	26°29	3°37	21° 3	8° 6	20°43	11°58	12°D44	18°49	15°22	12°15	11°28	6°14	20° 7	S 20
S 21	13 57 46	1°12'35	8°11'41	4°51	22°14	8°46	20°44	11°59	12°45	18°48	15°23	12°12	11°25	6°21	20°10	S 21
M22	14 1 43	2°10'55	20°44	6° 8	23°24	9°25	20°45	12° 0	12°45	18°46	15°25	12° 9	11°22	6°27	20°13	M22
T 23	14 5 39	3° 9'13	2°34	7°26	24°34	10° 5	20°46	12° 1	12°45	18°45	15°26	12° 7	11°19	6°34	20°16	T 23
W24	14 9 36	4° 7'29	14°33	8°47	25°45	10°44	20°47	12° 2	12°45	18°43	15°27	12° 4	11°15	6°41	20°19	W24
T 25	14 13 32	5° 5'43	26°26	10°10	26°55	11°24	20°49	12° 3	12°45	18°42	15°29	12° 3	11°12	6°47	20°22	T 25
F 26	14 17 29	6° 3'55	8°12'25	11°35	28° 6	12° 3	20°50	12° 5	12°46	18°40	15°30	12°D 3	11° 9	6°54	20°24	F 26
S 27	14 21 26	7° 2'05	20°33	13° 2	29°16	12°43	20°52	12° 6	12°46	18°38	15°31	12° 3	11° 6	7° 1	20°27	S 27
S 28	14 25 22	8° 0'13	2°13'56	14°31	0°39'27	13°22	20°54	12° 8	12°46	18°37	15°33	12° 5	11° 3	7° 8	20°30	S 28
M29	14 29 19	8°58'19	15°38	16° 3	1°38	14° 2	20°57	12°10	12°47	18°35	15°34	12° 6	11° 0	7°14	20°33	M29
T 30	14 33 15	9°56'23	28°14'42	17°36	2°48	14°11'41	20°59	12°11	12°47	18°34	15°35	12° 8	10°56	7°21	20°36	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
M 1	4n37	5n53	3s 0	4s 4	0s 4	12s 7	0s18	19n56	0n47	15n39	1n12	18n23	1n13	17n39	0n43	5s57	1n46	2n18	14s40	4s53	4s56	18n20	0s31	4n 9	
T 2	5 0	1 53	1 57	4 14	0 18	11 46	0 21	20 6	0 48	15 40	1 12	18 23	1 13	17 40	0 43	5 56	1 46	2 19	14 40	4 53	4 55	18 20	0 30	4 9	
W 3	5 23	2s19	0 46	4 22	0 32	11 25	0 25	20 16	0 48	15 40	1 12	18 23	1 13	17 40	0 43	5 56	1 46	2 19	14 40	4 53	4 54	18 19	0 29	4 9	
T 4	5 46	6 30	0n30	4 28	0 45	11 4	0 29	20 25	0 48	15 41	1 12	18 23	1 13	17 40	0 43	5 55	1 46	2 20	14 40	4 53	4 53	18 19	0 27	4 9	
F 5	6 9	10 24	1 45	4 31	0 57	10 42	0 33	20 35	0 49	15 42	1 12	18 24	1 13	17 40	0 43	5 54	1 46	2 20	14 40	4 53	4 51	18 19	0 26	4 9	
S 6	6 31	13 47	2 55	4 31	1 9	10 21	0 36	20 44	0 49	15 42	1 12	18 24	1 13	17 41	0 43	5 54	1 46	2 21	14 39	4 52	4 50	18 18	0 24	4 9	
S 7	6 54	16 21	3 54	4 30	1 20	9 58	0 40	20 53	0 50	15 43	1 12	18 24	1 13	17 41	0 43	5 53	1 46	2 21	14 39	4 52	4 49	18 18	0 23	4 9	
M 8	7 16	17 55	4 40	4 26	1 31	9 36	0 43	21 2	0 50	15 43	1 12	18 24	1 12	17 41	0 42	5 52	1 46	2 22	14 39	4 52	4 48	18 18	0 22	4 9	
T 9	7 39	18 21	5 8	4 19	1 40	9 13	0 47	21 11	0 51	15 43	1 11	18 24	1 12	17 41	0 42	5 52	1 46	2 22	14 39	4 52	4 46	18 17	0 20	4 9	
W10	8 1	17 36	5 17	4 11	1 50	8 50	0 50	21 20	0 51	15 44	1 11	18 24	1 12	17 41	0 42	5 51	1 46	2 23	14 39	4 52	4 45	18 17	0 19	4 9	
T 11	8 23	15 46	5 6	4 1	1 58	8 27	0 53	21 28	0 51	15 44	1 11	18 24	1 12	17 41	0 42	5 51	1 46	2 23	14 39	4 52	4 44	18 17	0 18	4 9	
F 12	8 45	13 0	4 38	3 48	2 6	8 3	0 56	21 36	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 50	1 46	2 24	14 38	4 52	4 43	18 16	0 16	4 9	
S 13	9 7	9 32	3 53	3 34	2 13	7 39	0 59	21 44	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 49	1 46	2 24	14 38	4 52	4 41	18 16	0 15	4 9	
S 14	9 28	5 35	2 55	3 18	2 20	7 15	1 2	21 52	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 49	1 46	2 25	14 38	4 52	4 40	18 15	0 14	4 9	
M15	9 50	1 24	1 49	3 0	2 25	6 50	1 5	22 0	0 53	15 44	1 11	18 24	1 12	17 41	0 42	5 48	1 46	2 25	14 38	4 53	4 39	18 15	0 12	4 9	
T 16	10 11	2n47	0 37	2 40	2 31	6 26	1 8	22 8	0 53	15 44	1 11	18 24	1 12	17 42	0 42	5 48	1 46	2 25	14 38	4 53	4 38	18 15	0 11	4 9	
W17	10 32	6 47	0s35	2 19	2 35	6 1	1 11	22 15	0 54	15 44	1 10	18 24	1 12	17 42	0 42	5 47	1 46	2 26	14 38	4 53	4 36	18 14	0 10	4 10	
T 18	10 53	10 23	1 44	1 56	2 39	5 36	1 13	22 22	0 54	15 44	1 10	18 24	1 12	17 42	0 42	5 46	1 46	2 26	14 38	4 53	4 35	18 14	0 8	4 10	
F 19	11 14	13 27	2 46	1 31	2 42	5 11	1 16	22 29	0 54	15 44	1 10	18 23	1 12	17 42	0 42	5 46	1 46	2 27	14 38	4 52	4 34	18 14	0 7	4 10	
S 20	11 35	15 50	3 40	1 5	2 45	4 45	1 18	22 36	0 55	15 43	1 10	18 23	1 12	17 41	0 42	5 45	1 46	2 27	14 37	4 51	4 33	18 13	0 6	4 10	
S 21	11 55	17 28	4 23	0 38	2 47	4 19	1 21	22 43	0 55	15 43	1 10	18 23	1 12	17 41	0 42	5 44	1 46	2 28	14 37	4 50	4 31	18 13	0 4	4 10	
M22	12 15	18 17	4 53	0 9	2 49	3 54	1 23	22 49	0 55	15 42	1 10	18 23	1 12	17 41	0 42	5 44	1 46	2 28	14 37	4 49	4 30	18 12	0 3	4 10	
T 23	12 35	18 17	5 10	0n22	2 50	3 28	1 25	22 55	0 56	15 42	1 10	18 22	1 12	17 41	0 42	5 43	1 46	2 29	14 37	4 48	4 29	18 12	0 2	4 10	
W24	12 55	17 29	5 14	0 53	2 50	3 2	1 27	23 1	0 56	15 41	1 9	18 22	1 12	17 41	0 42	5 43	1 46	2 29	14 37	4 47	4 28	18 12	0 1	4 10	
T 25	13 15	15 55	5 5	1 26	2 50	2 35	1 29	23 7	0 56	15 41	1 9	18 22	1 12	17 41	0 42	5 42	1 46	2 30	14 37	4 46	4 26	18 11	0n 1	4 10	
F 26	13 34	13 39	4 42	2 0	2 49	2 9	1 31	23 13	0 57	15 40	1 9	18 21	1 12	17 41	0 42	5 42	1 46	2 30	14 37	4 46	4 25	18 11	0 2	4 10	
S 27	13 53	10 46	4 6	2 35	2 47	1 43	1 33	23 18	0 57	15 39	1 9	18 21	1 12	17 41	0 42	5 41	1 46	2 30	14 37	4 47	4 24	18 10	0 3	4 10	
S 28	14 12	7 21	3 19	3 12	2 45	1 16	1 35	23 24	0 57	15 39	1 9	18 20	1 12	17 41	0 42	5 40	1 46	2 31	14 37	4 47	4 23	18 10	0 4	4 11	
M29	14 31	3 31	2 20	3 49	2 43	0 50	1 36	23 29	0 58	15 38	1 9	18 20	1 12	17 41	0 42	5 40	1 46	2 31	14 37	4 48	4 21	18 10	0 5	4 11	
T 30	14n49	0s36	1s13	4n27	2s40	0s23	1s38	23n34	0n58	15n37	1n 9	18n19	1n12	17n40	0n42	5s39	1n46	2n32	14s37	4s48	4s20	18n 9	0n 6	4n11	

ASTRODIENST EPHEMERIS for the year 1624

geocentric

MAY 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 37 12	10♌54'25	12♊10	19♏11	3♏59	15♏20	21♏2	12♏13	12♏48	18♏32	15♏37	12♏R 8	10♏53	7♏28	20♏38	W 1
T 2	14 41 8	11°52'25	26° 2	20°48	5°10	16° 0	21° 4	12°15	12°49	18♏31	15°38	12♏ 8	10°50	7°34	20°41	T 2
F 3	14 45 5	12°50'24	10♏17	22°27	6°21	16°39	21° 7	12°17	12°49	18°29	15°40	12° 6	10°47	7°41	20°43	F 3
S 4	14 49 1	13°48'21	24°49	24° 8	7°32	17°18	21°10	12°19	12°50	18°28	15°41	12° 2	10°44	7°48	20°46	S 4
S 5	14 52 58	14°46'17	9♏33	25°51	8°42	17°57	21°13	12°22	12°51	18°27	15°42	11°58	10°41	7°55	20°49	S 5
M 6	14 56 55	15°44'11	24°20	27°36	9°53	18°37	21°17	12°24	12°52	18°25	15°44	11°53	10°37	8° 1	20°51	M 6
T 7	15 0 51	16°42'04	9♏ 4	29°23	11° 4	19°16	21°20	12°27	12°53	18°24	15°45	11°48	10°34	8° 8	20°54	T 7
W 8	15 4 48	17°39'55	23°38	1♏12	12°15	19°55	21°24	12°29	12°54	18°22	15°46	11°45	10°31	8°15	20°56	W 8
T 9	15 8 44	18°37'45	7♏57	3° 3	13°27	20°34	21°28	12°32	12°55	18°21	15°48	11°43	10°28	8°22	20°58	T 9
F 10	15 12 41	19°35'35	21°58	4°56	14°38	21°13	21°32	12°35	12°56	18°20	15°49	11°D43	10°25	8°28	21° 1	F 10
S 11	15 16 37	20°33'22	5♏41	6°50	15°49	21°52	21°36	12°38	12°57	18°18	15°50	11°43	10°21	8°35	21° 3	S 11
S 12	15 20 34	21°31'09	19° 7	8°47	17° 0	22°31	21°41	12°41	12°58	18°17	15°52	11°45	10°18	8°42	21° 5	S 12
M13	15 24 30	22°28'55	2♏16	10°46	18°11	23°11	21°45	12°44	12°59	18°16	15°53	11°46	10°15	8°48	21° 7	M13
T 14	15 28 27	23°26'39	15°12	12°46	19°23	23°50	21°50	12°47	13° 0	18°14	15°54	11°R46	10°12	8°55	21°10	T 14
W15	15 32 24	24°24'22	27°54	14°49	20°34	24°29	21°55	12°50	13° 2	18°13	15°56	11°45	10° 9	9° 2	21°12	W15
T 16	15 36 20	25°22'04	10♏26	16°53	21°45	25° 8	22° 0	12°53	13° 3	18°12	15°57	11°42	10° 6	9° 9	21°14	T 16
F 17	15 40 17	26°19'45	22°48	18°58	22°57	25°47	22° 5	12°57	13° 4	18°11	15°58	11°36	10° 2	9°15	21°16	F 17
S 18	15 44 13	27°17'25	5♏ 1	21° 5	24° 8	26°26	22°11	13° 0	13° 6	18° 9	16° 0	11°29	9°59	9°22	21°18	S 18
S 19	15 48 10	28°15'03	17° 6	23°14	25°19	27° 5	22°16	13° 4	13° 7	18° 8	16° 1	11°21	9°56	9°29	21°20	S 19
M20	15 52 6	29°12'40	29° 4	25°23	26°31	27°43	22°22	13° 8	13° 9	18° 7	16° 2	11°12	9°53	9°36	21°22	M20
T 21	15 56 3	0♏10'16	10♏58	27°34	27°42	28°22	22°27	13°12	13°11	18° 6	16° 4	11° 3	9°50	9°42	21°23	T 21
W22	15 59 59	1° 7'50	22°49	29°45	28°54	29° 1	22°33	13°15	13°12	18° 5	16° 5	10°56	9°46	9°49	21°25	W22
T 23	16 3 56	2° 5'24	4♏42	1♏57	0♏ 6	29°40	22°39	13°19	13°14	18° 4	16° 6	10°50	9°43	9°56	21°27	T 23
F 24	16 7 53	3° 2'55	16°39	4° 9	1°17	0♏19	22°46	13°23	13°16	18° 3	16° 8	10°46	9°40	10° 2	21°29	F 24
S 25	16 11 49	4° 0'25	28°45	6°21	2°29	0°58	22°52	13°28	13°18	18° 2	16° 9	10°D45	9°37	10° 9	21°30	S 25
S 26	16 15 46	4°57'54	11♏ 4	8°32	3°40	1°37	22°59	13°32	13°19	18° 1	16°10	10°45	9°34	10°16	21°32	S 26
M27	16 19 42	5°55'22	23°43	10°43	4°52	2°15	23° 5	13°36	13°21	18° 0	16°12	10°46	9°31	10°23	21°33	M27
T 28	16 23 39	6°52'48	6♏44	12°53	6° 4	2°54	23°12	13°41	13°23	17°59	16°13	10°R46	9°27	10°29	21°35	T 28
W29	16 27 35	7°50'13	20°12	15° 2	7°15	3°33	23°19	13°45	13°25	17°58	16°14	10°46	9°24	10°36	21°36	W29
T 30	16 31 32	8°47'37	4♏ 9	17°10	8°27	4°12	23°26	13°50	13°27	17°57	16°15	10°44	9°21	10°43	21°38	T 30
F 31	16 35 28	9♏45'00	18♏33	19♏16	9♏39	4♏50	23♏33	13♏54	13♏29	17♏56	16♏17	10♏40	9♏18	10♏49	21♏39	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	15n 8	4s49	0n 0	5n 7	2s36	0n 4	1s39	23n38	0n58	15n36	1n 8	18n19	1n11	17n40	0n42	4n11
T 2	15 26	8 54	1 15	5 47	2 32	0 31	1 41	23 43	0 58	15 35	1 8	18 18	1 11	17 40	0 42	4 11
F 3	15 43	12 35	2 28	6 28	2 27	0 58	1 42	23 47	0 59	15 34	1 8	18 17	1 11	17 40	0 42	4 11
S 4	16 1	15 35	3 32	7 11	2 22	1 25	1 43	23 51	0 59	15 33	1 8	18 17	1 11	17 39	0 42	4 11
S 5	16 18	17 35	4 23	7 53	2 16	1 52	1 44	23 55	0 59	15 31	1 8	18 16	1 11	17 39	0 42	4 11
M 6	16 35	18 25	4 57	8 37	2 10	2 19	1 45	23 59	1 0	15 30	1 8	18 15	1 11	17 39	0 42	4 12
T 7	16 52	18 0	5 11	9 21	2 3	2 46	1 46	24 3	1 0	15 29	1 8	18 14	1 11	17 39	0 42	4 12
W 8	17 8	16 24	5 5	10 6	1 56	3 13	1 47	24 6	1 0	15 28	1 7	18 14	1 11	17 38	0 41	4 12
T 9	17 24	13 49	4 40	10 51	1 48	3 39	1 48	24 9	1 0	15 26	1 7	18 13	1 11	17 38	0 41	4 12
F 10	17 40	10 27	3 58	11 37	1 40	4 6	1 49	24 12	1 1	15 25	1 7	18 12	1 11	17 38	0 41	4 12
S 11	17 55	6 36	3 4	12 23	1 32	4 33	1 49	24 15	1 1	15 23	1 7	18 11	1 11	17 37	0 41	4 12
S 12	18 11	2 29	2 0	13 9	1 23	5 0	1 50	24 17	1 1	15 22	1 7	18 10	1 11	17 37	0 41	4 12
M13	18 26	1n41	0 51	13 55	1 13	5 27	1 50	24 20	1 1	15 20	1 7	18 9	1 11	17 37	0 41	4 12
T 14	18 40	5 43	0s19	14 41	1 4	5 54	1 50	24 22	1 2	15 18	1 7	18 8	1 11	17 36	0 41	4 13
W15	18 55	9 24	1 26	15 27	0 54	6 20	1 51	24 24	1 2	15 17	1 7	18 8	1 11	17 36	0 41	4 13
T 16	19 9	12 37	2 29	16 13	0 44	6 47	1 51	24 26	1 2	15 15	1 6	18 7	1 11	17 35	0 41	4 13
F 17	19 22	15 14	3 23	16 58	0 33	7 13	1 51	24 27	1 2	15 13	1 6	18 5	1 11	17 35	0 41	4 13
S 18	19 36	17 7	4 8	17 42	0 23	7 40	1 51	24 29	1 3	15 11	1 6	18 4	1 11	17 34	0 41	4 13
S 19	19 49	18 13	4 40	18 25	0 12	8 6	1 51	24 30	1 3	15 9	1 6	18 3	1 11	17 34	0 41	4 13
M20	20 1	18 29	5 0	19 7	0 2	8 32	1 51	24 31	1 3	15 7	1 6	18 2	1 11	17 34	0 41	4 14
T 21	20 14	17 56	5 7	19 48	0n 9	8 58	1 50	24 32	1 3	15 5	1 6	18 1	1 11	17 33	0 41	4 14
W22	20 26	16 37	5 0	20 27	0 19	9 23	1 50	24 32	1 3	15 3	1 6	18 0	1 11	17 33	0 41	4 14
T 23	20 37	14 35	4 41	21 5	0 30	9 49	1 50	24 33	1 4	15 1	1 5	17 59	1 11	17 32	0 41	4 14
F 24	20 48	11 55	4 9	21 40	0 40	10 14	1 49	24 33	1 4	14 59	1 5	17 58	1 11	17 32	0 41	4 14
S 25	20 59	8 43	3 26	22 13	0 49	10 39	1 49	24 33	1 4	14 57	1 5	17 56	1 11	17 31	0 41	4 14
S 26	21 10	5 5	2 32	22 44	0 59	11 4	1 48	24 33	1 4	14 55	1 5	17 55	1 10	17 30	0 41	4 15
M27	21 20	1 7	1 30	23 13	1 8	11 29	1 47	24 32	1 4	14 52	1 5	17 54	1 10	17 30	0 41	4 15
T 28	21 30	3s 1	0 22	23 39	1 16	11 54	1 46	24 32	1 5	14 50	1 5	17 53	1 10	17 29	0 41	4 15
W29	21 40	7 8	0n50	24 2	1 24	12 18	1 46	24 31	1 5	14 48	1 5	17 51	1 10	17 29	0 41	4 15
T 30	21 49	11 1	2 2	24 22	1 31	12 42	1 45	24 30	1 5	14 45	1 5	17 50	1 10	17 28	0 41	4 15
F 31	21n57	14s22	3n 8	24n40	1n37	13n 6	1s44	24n29	1n 5	14n43	1n 5	17n49	1n10	17n27	0n41	4n15

Julian Day Number = 2314334.5, Delta T = 62.67 sec
 Ecliptic obliquity = 23°29'08", Nutation = 0°00'02", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°29'49", Lahiri = 18°36'50"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624
geocentric

JUNE 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 39 25	10♐42'22	3♊20	21♐20	10♋51	5♌29	23♏40	13♏59	13♏31	17°R55	16♋18	10°R33	9♎15	10♌56	21♋40	S 1
S 2	16 43 22	11°39'43	18°23	23°23	12° 3	6° 8	23°48	14° 4	13°34	17♎54	16°19	10♎25	9°12	11° 3	21°42	S 2
M 3	16 47 18	12°37'04	3♌33	25°23	13°14	6°46	23°55	14° 9	13°36	17°54	16°20	10°16	9° 8	11°10	21°43	M 3
T 4	16 51 15	13°34'23	18°40	27°22	14°26	7°25	24° 3	14°13	13°38	17°53	16°22	10° 7	9° 5	11°16	21°44	T 4
W 5	16 55 11	14°31'42	3♎32	29°18	15°38	8° 4	24°11	14°18	13°40	17°52	16°23	10° 0	9° 2	11°23	21°45	W 5
T 6	16 59 8	15°29'01	18° 5	19♌12	16°50	8°42	24°19	14°24	13°43	17°51	16°24	9°55	8°59	11°30	21°46	T 6
F 7	17 3 4	16°26'19	2♋14	3° 3	18° 2	9°21	24°27	14°29	13°45	17°51	16°25	9°52	8°56	11°37	21°47	F 7
S 8	17 7 1	17°23'36	15°57	4°52	19°14	9°59	24°35	14°34	13°47	17°50	16°27	9°D51	8°52	11°43	21°48	S 8
S 9	17 10 57	18°20'54	29°17	6°39	20°26	10°38	24°43	14°39	13°50	17°49	16°28	9°52	8°49	11°50	21°49	S 9
M10	17 14 54	19°18'10	12°Y17	8°23	21°38	11°17	24°51	14°45	13°52	17°49	16°29	9°R52	8°46	11°57	21°50	M10
T 11	17 18 51	20°15'27	24°59	10° 5	22°50	11°55	25° 0	14°50	13°55	17°48	16°30	9°51	8°43	12° 3	21°50	T 11
W12	17 22 47	21°12'43	7♋27	11°44	24° 3	12°34	25° 9	14°56	13°57	17°48	16°31	9°48	8°40	12°10	21°51	W12
T 13	17 26 44	22° 9'59	19°45	13°21	25°15	13°12	25°17	15° 1	14° 0	17°47	16°32	9°42	8°37	12°17	21°52	T 13
F 14	17 30 40	23° 7'15	1♐54	14°56	26°27	13°51	25°26	15° 7	14° 3	17°47	16°33	9°34	8°33	12°24	21°52	F 14
S 15	17 34 37	24° 4'31	13°56	16°28	27°39	14°29	25°35	15°12	14° 5	17°46	16°35	9°23	8°30	12°30	21°53	S 15
S 16	17 38 33	25° 1'46	25°54	17°57	28°51	15° 8	25°44	15°18	14° 8	17°46	16°36	9°10	8°27	12°37	21°53	S 16
M17	17 42 30	25°59'00	7♌48	19°24	0♐ 4	15°46	25°53	15°24	14°11	17°45	16°37	8°57	8°24	12°44	21°54	M17
T 18	17 46 26	26°56'14	19°40	20°48	1°16	16°25	26° 2	15°30	14°13	17°45	16°38	8°44	8°21	12°51	21°54	T 18
W19	17 50 23	27°53'28	1♌31	22°10	2°28	17° 3	26°12	15°36	14°16	17°45	16°39	8°32	8°18	12°57	21°54	W19
T 20	17 54 20	28°50'41	13°24	23°29	3°41	17°41	26°21	15°42	14°19	17°44	16°40	8°23	8°14	13° 4	21°55	T 20
F 21	17 58 16	29°47'54	25°22	24°45	4°53	18°20	26°31	15°48	14°22	17°44	16°41	8°16	8°11	13°11	21°55	F 21
S 22	18 2 13	0♌45'07	7♎28	25°59	6° 5	18°58	26°40	15°54	14°25	17°44	16°42	8°12	8° 8	13°17	21°55	S 22
S 23	18 6 9	1°42'19	19°46	27°10	7°18	19°37	26°50	16° 0	14°28	17°44	16°43	8°10	8° 5	13°24	21°55	S 23
M24	18 10 6	2°39'30	2♎21	28°18	8°30	20°15	27° 0	16° 6	14°31	17°44	16°44	8°10	8° 2	13°31	21°R55	M24
T 25	18 14 2	3°36'41	15°48	29°23	9°43	20°53	27°10	16°13	14°34	17°43	16°45	8°10	7°58	13°38	21°55	T 25
W26	18 17 59	4°33'52	28°41	0♎25	10°55	21°32	27°20	16°19	14°37	17°43	16°46	8° 9	7°55	13°44	21°55	W26
T 27	18 21 55	5°31'02	12♎32	1°24	12° 8	22°10	27°30	16°25	14°40	17°43	16°47	8° 6	7°52	13°51	21°55	T 27
F 28	18 25 52	6°28'12	26°53	2°19	13°20	22°48	27°40	16°32	14°43	17°43	16°48	8° 1	7°49	13°58	21°55	F 28
S 29	18 29 49	7°25'22	11♎41	3°11	14°33	23°27	27°50	16°38	14°46	17°D43	16°49	7°53	7°46	14° 4	21°55	S 29
S 30	18 33 45	8♌22'32	26♎49	4♎ 0	15♐45	24♌ 5	28♏ 1	16♏45	14♎49	17♎43	16♋50	7♎43	7♎43	14♌11	21♋54	S 30

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	22n 6	16s54 4n 3	24n55 1n43	13n29 1s43	24n27 1n 5	14n40 1n 4	17n47 1n10	17n27 0n41	5s25 1n45	2n42 14s37	4s11 3s40	17n54 0n36	4n16			
S 2	22 14	18 18 4 42	25 7 1 48	13 52 1 41	24 26 1 5	14 38 1 4	17 46 1 10	17 26 0 41	5 25 1 45	2 43 14 37	4 8 3 39	17 54 0 37	4 16			
M 3	22 21	18 25 5 2	25 17 1 53	14 15 1 40	24 24 1 6	14 35 1 4	17 44 1 10	17 25 0 41	5 25 1 45	2 43 14 38	4 4 3 38	17 53 0 38	4 16			
T 4	22 28	17 13 5 0	25 24 1 56	14 38 1 39	24 22 1 6	14 32 1 4	17 43 1 10	17 25 0 41	5 25 1 45	2 43 14 38	4 1 3 37	17 53 0 38	4 16			
W 5	22 35	14 53 4 39	25 28 1 59	15 0 1 38	24 20 1 6	14 30 1 4	17 41 1 10	17 24 0 41	5 24 1 45	2 43 14 38	3 58 3 35	17 52 0 39	4 16			
T 6	22 42	11 38 3 59	25 30 2 1	15 22 1 36	24 18 1 6	14 27 1 4	17 40 1 10	17 23 0 41	5 24 1 45	2 44 14 38	3 56 3 34	17 52 0 39	4 16			
F 7	22 48	7 48 3 6	25 29 2 2	15 43 1 35	24 15 1 6	14 24 1 4	17 38 1 10	17 23 0 41	5 24 1 45	2 44 14 38	3 55 3 33	17 51 0 40	4 17			
S 8	22 53	3 39 2 4	25 27 2 3	16 4 1 33	24 13 1 6	14 21 1 4	17 37 1 10	17 22 0 41	5 24 1 45	2 44 14 38	3 55 3 31	17 51 0 40	4 17			
S 9	22 58	0n34 0 56	25 22 2 3	16 25 1 32	24 10 1 6	14 18 1 4	17 35 1 10	17 21 0 41	5 24 1 45	2 44 14 38	3 55 3 30	17 50 0 41	4 17			
M10	23 3 4	4 40 0s13	25 15 2 2	16 46 1 30	24 7 1 7	14 15 1 3	17 34 1 10	17 21 0 41	5 23 1 45	2 44 14 38	3 55 3 29	17 50 0 41	4 17			
T 11	23 8 8	27 10 1s19	25 6 2 0	17 6 1 28	24 3 1 7	14 12 1 3	17 32 1 10	17 20 0 40	5 23 1 45	2 45 14 39	3 54 3 28	17 49 0 42	4 17			
W12	23 12 11	48 2 21	24 56 1 58	17 25 1 27	24 0 1 7	14 9 1 3	17 30 1 10	17 19 0 40	5 23 1 45	2 45 14 39	3 53 3 26	17 49 0 42	4 17			
T 13	23 15 14	35 3 15	24 43 1 55	17 44 1 25	23 56 1 7	14 6 1 3	17 29 1 10	17 18 0 40	5 23 1 44	2 45 14 39	3 51 3 25	17 48 0 43	4 18			
F 14	23 18 16	41 3 59	24 30 1 51	18 3 1 23	23 53 1 7	14 3 1 3	17 27 1 10	17 17 0 40	5 23 1 44	2 45 14 39	3 48 3 24	17 48 0 43	4 18			
S 15	23 21 18	1 4 32	24 14 1 47	18 21 1 21	23 49 1 7	14 0 1 3	17 25 1 10	17 17 0 40	5 23 1 44	2 45 14 39	3 43 3 23	17 47 0 43	4 18			
S 16	23 24 18	33 4 52	23 58 1 42	18 39 1 19	23 44 1 7	13 57 1 3	17 24 1 10	17 16 0 40	5 23 1 44	2 45 14 39	3 38 3 21	17 47 0 44	4 18			
M17	23 25 18	16 5 0	23 40 1 36	18 57 1 17	23 40 1 7	13 54 1 3	17 22 1 10	17 15 0 40	5 22 1 44	2 45 14 39	3 33 3 20	17 46 0 44	4 18			
T 18	23 27 17	10 4 55	23 21 1 30	19 14 1 15	23 36 1 8	13 51 1 3	17 20 1 10	17 14 0 40	5 22 1 44	2 46 14 40	3 28 3 19	17 45 0 44	4 19			
W19	23 28 15	21 4 37	23 2 1 23	19 30 1 13	23 31 1 8	13 47 1 3	17 18 1 10	17 13 0 40	5 22 1 44	2 46 14 40	3 23 3 18	17 45 0 45	4 19			
T 20	23 29 12	53 4 7	22 41 1 16	19 46 1 11	23 26 1 8	13 44 1 2	17 16 1 10	17 12 0 40	5 22 1 44	2 46 14 40	3 20 3 16	17 44 0 45	4 19			
F 21	23 29 9	52 3 26	22 20 1 8	20 1 9	23 21 1 8	13 41 1 2	17 15 1 10	17 12 0 40	5 22 1 44	2 46 14 40	3 17 3 15	17 44 0 45	4 19			
S 22	23 29 6	24 2 35	21 58 0 59	20 16 1 7	23 16 1 8	13 37 1 2	17 13 1 10	17 11 0 40	5 22 1 44	2 46 14 40	3 15 3 14	17 43 0 46	4 19			
S 23	23 28 2	36 1 36	21 35 0 50	20 31 1 4	23 10 1 8	13 34 1 2	17 11 1 10	17 10 0 40	5 22 1 44	2 46 14 40	3 15 3 13	17 43 0 46	4 19			
M24	23 28 1	s24 0 31	21 12 0 40	20 44 1 2	23 5 1 8	13 30 1 2	17 9 1 10	17 9 0 40	5 22 1 44	2 46 14 41	3 15 3 11	17 42 0 46	4 20			
T 25	23 26 5	27 0n38	20 49 0 30	20 58 1 0	22 59 1 8	13 27 1 2	17 7 1 10	17 8 0 40	5 22 1 44	2 46 14 41	3 15 3 10	17 42 0 46	4 20			
W26	23 24 9	22 1 46	20 25 0 19	21 10 0 58	22 53 1 8	13 23 1 2	17 5 1 10	17 7 0 40	5 22 1 44	2 46 14 41	3 14 3 9	17 41 0 46	4 20			
T 27	23 22 12	55 2 51	20 1 0 8	21 23 0 55	22 47 1 8	13 20 1 2	17 3 1 10	17 6 0 40	5 22 1 44	2 46 14 41	3 13 3 8	17 40 0 46	4 20			
F 28	23 20 15	49 3 47	19 37 0s 4	21 34 0 53	22 41 1 8	13 16 1 2	17 1 1 10	17 5 0 40	5 22 1 44	2 46 14 41	3 11 3 6	17 40 0 46	4 20			
S 29	23 17 17	46 4 30	19 14 0 16	21 45 0 50	22 34 1 9	13 13 1 2	16 59 1 10	17 4 0 40	5 22 1 44	2 47 14 42	3 8 3 5	17 39 0 47	4 21			
S 30	23n13	18s32 4n55	18n50 0s28	21n56 0s48	22n28 1n 9	13n 9 1n 2	16n57 1n10	17n 3 0n40	5s22 1n44	2n47 14s42	3s 4 3s 4	17n39 0n47	4n21			

Julian Day Number = 2314365.5, Delta T = 62.60 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'54, Lahiri = 18°36'54Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

JULY 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 37 42	9°58'19"42	12°38' 9	4°06'46	16°11'58	24°58'43	28°01'11	16°02'51	14°05'53	17°15'43	16°08'51	7°03'33	7°15'39	14°58'18	21°05'54	M 1
T 2	18 41 38	10°16'52	27°27	5°27	18°11	25°22	28°22	16°58	14°56	17°43	16°52	7°15'22	7°36	14°25	21°15'54	T 2
W 3	18 45 35	11°14'02	12°38'34	6° 5	19°23	26° 0	28°32	17° 5	14°59	17°44	16°52	7°13	7°33	14°31	21°53	W 3
T 4	18 49 31	12°11'13	27°20	6°39	20°36	26°38	28°43	17°11	15° 2	17°44	16°53	7° 7	7°30	14°38	21°53	T 4
F 5	18 53 28	13° 8'23	11°18'39	7° 9	21°49	27°16	28°54	17°18	15° 6	17°44	16°54	7° 3	7°27	14°45	21°52	F 5
S 6	18 57 24	14° 5'35	25°30	7°34	23° 2	27°55	29° 4	17°25	15° 9	17°44	16°55	7° 1	7°24	14°52	21°52	S 6
S 7	19 1 21	15° 2'47	8°15'53	7°55	24°15	28°33	29°15	17°32	15°12	17°44	16°56	7° 1	7°20	14°58	21°51	S 7
M 8	19 5 18	15°59'59	21°52	8°12	25°27	29°11	29°26	17°39	15°16	17°45	16°57	7° 1	7°17	15° 5	21°50	M 8
T 9	19 9 14	16°57'12	4°38'30	8°24	26°40	29°49	29°37	17°46	15°19	17°45	16°57	7° 0	7°14	15°12	21°49	T 9
W10	19 13 11	17°54'26	16°52	8°32	27°53	0°02'28	29°48	17°53	15°22	17°45	16°58	6°57	7°11	15°18	21°49	W10
T 11	19 17 7	18°51'40	29° 2	8°R34	29° 6	1° 6	29°59	18° 0	15°26	17°46	16°59	6°52	7° 8	15°25	21°48	T 11
F 12	19 21 4	19°48'55	11°11'3	8°32	0°08'19	1°44	0°11'11	18° 7	15°29	17°46	17° 0	6°44	7° 4	15°32	21°47	F 12
S 13	19 25 0	20°46'11	22°59	8°25	1°32	2°22	0°22	18°14	15°33	17°46	17° 0	6°33	7° 1	15°39	21°46	S 13
S 14	19 28 57	21°43'27	4°58'52	8°13	2°45	3° 0	0°33	18°21	15°36	17°47	17° 1	6°20	6°58	15°45	21°45	S 14
M15	19 32 53	22°40'44	16°44	7°56	3°58	3°39	0°45	18°28	15°40	17°47	17° 2	6° 7	6°55	15°52	21°44	M15
T 16	19 36 50	23°38'01	28°36	7°34	5°12	4°17	0°56	18°35	15°43	17°48	17° 2	5°54	6°52	15°59	21°43	T 16
W17	19 40 47	24°35'19	10°02'30	7° 9	6°25	4°55	1° 8	18°42	15°47	17°49	17° 3	5°43	6°49	16° 5	21°41	W17
T 18	19 44 43	25°32'38	22°27	6°39	7°38	5°33	1°20	18°50	15°50	17°49	17° 3	5°34	6°45	16°12	21°40	T 18
F 19	19 48 40	26°29'57	4°11'30	6° 5	8°51	6°11	1°31	18°57	15°54	17°50	17° 4	5°27	6°42	16°19	21°39	F 19
S 20	19 52 36	27°27'16	16°41	5°28	10° 4	6°50	1°43	19° 4	15°57	17°50	17° 5	5°23	6°39	16°26	21°38	S 20
S 21	19 56 33	28°24'36	29° 3	4°48	11°18	7°28	1°55	19°12	16° 1	17°51	17° 5	5°21	6°36	16°32	21°36	S 21
M22	20 0 29	29°21'56	11°15'40	4° 6	12°31	8° 6	2° 7	19°19	16° 5	17°52	17° 6	5°D21	6°33	16°39	21°35	M22
T 23	20 4 26	0°01'19'17	24°36	3°22	13°44	8°44	2°18	19°26	16° 8	17°53	17° 6	5°R22	6°30	16°46	21°33	T 23
W24	20 8 22	1°16'39	7°11'54	2°38	14°57	9°22	2°30	19°34	16°12	17°53	17° 7	5°22	6°26	16°53	21°32	W24
T 25	20 12 19	2°14'01	21°38	1°54	16°11	10° 0	2°42	19°41	16°15	17°54	17° 7	5°20	6°23	16°59	21°30	T 25
F 26	20 16 16	3°11'23	5°17'49	1°10	17°24	10°39	2°54	19°48	16°19	17°55	17° 8	5°17	6°20	17° 6	21°29	F 26
S 27	20 20 12	4° 8'47	20°26	0°28	18°38	11°17	3° 6	19°56	16°23	17°56	17° 8	5°11	6°17	17°13	21°27	S 27
S 28	20 24 9	5° 6'11	5°38'24	29°58'49	19°51	11°55	3°19	20° 3	16°26	17°57	17° 8	5° 3	6°14	17°19	21°25	S 28
M29	20 28 5	6° 3'35	20°36	29°13	21° 5	12°33	3°31	20°11	16°30	17°58	17° 9	4°54	6°10	17°26	21°24	M29
T 30	20 32 2	7° 1'01	5°58'51	28°40	22°18	13°11	3°43	20°18	16°34	17°59	17° 9	4°46	6° 7	17°33	21°22	T 30
W31	20 35 58	7°05'58'27	20°58'59	28°58'13	23°58'32	13°02'49	3°11'55	20°02'26	16°03'37	18°15'0	17°08'10	4°45'39	6°15'4	17°58'40	21°15'20	W31

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	
M 1	23n 9	17s58	4n59	18n27	0s41	22n 5	0s46	22n21	1n 9	13n 5	1n 2	16n55	1n10	17n 3	0n40	M 1
T 2	23 5	16 6	4 42	18 4	0 55	22 15	0 43	22 14	1 9	13 2	1 2	16 53	1 10	17 2	0 40	T 2
W 3	23 1	13 8	4 6	17 41	1 8	22 23	0 41	22 7	1 9	12 58	1 1	16 51	1 10	17 1	0 40	W 3
T 4	22 56	9 24	3 13	17 19	1 22	22 31	0 38	22 0	1 9	12 54	1 1	16 49	1 10	17 0	0 40	T 4
F 5	22 50	5 12	2 10	16 58	1 36	22 38	0 36	21 52	1 9	12 50	1 1	16 47	1 10	16 59	0 40	F 5
S 6	22 44	0 52	1 1	16 38	1 51	22 45	0 33	21 45	1 9	12 46	1 1	16 45	1 10	16 58	0 40	S 6
S 7	22 38	3n23	0s10	16 19	2 5	22 51	0 31	21 37	1 9	12 43	1 1	16 43	1 10	16 57	0 40	S 7
M 8	22 31	7 20	1 18	16 0	2 20	22 57	0 28	21 29	1 9	12 39	1 1	16 41	1 10	16 56	0 40	M 8
T 9	22 24	10 51	2 20	15 43	2 34	23 1	0 25	21 21	1 9	12 35	1 1	16 39	1 10	16 55	0 40	T 9
W10	22 17	13 48	3 14	15 27	2 48	23 5	0 23	21 13	1 9	12 31	1 1	16 37	1 10	16 54	0 40	W10
T 11	22 9	16 6	3 58	15 13	3 3	23 9	0 20	21 5	1 9	12 27	1 1	16 35	1 10	16 53	0 40	T 11
F 12	22 1	17 40	4 32	15 0	3 17	23 11	0 18	20 56	1 9	12 23	1 1	16 33	1 10	16 52	0 40	F 12
S 13	21 53	18 26	4 52	14 49	3 30	23 14	0 15	20 48	1 9	12 19	1 1	16 30	1 10	16 51	0 40	S 13
S 14	21 44	18 23	5 1	14 39	3 43	23 15	0 12	20 39	1 9	12 15	1 1	16 28	1 10	16 49	0 40	S 14
M15	21 34	17 33	4 56	14 31	3 56	23 16	0 10	20 30	1 9	12 11	1 1	16 26	1 10	16 48	0 40	M15
T 16	21 25	15 57	4 38	14 25	4 7	23 16	0 7	20 21	1 9	12 6	1 1	16 24	1 10	16 47	0 40	T 16
W17	21 15	13 40	4 8	14 22	4 18	23 15	0 5	20 12	1 9	12 2	1 1	16 22	1 10	16 46	0 40	W17
T 18	21 4	10 47	3 27	14 20	4 28	23 14	0 2	20 2	1 9	11 58	1 1	16 19	1 10	16 45	0 40	T 18
F 19	20 54	7 27	2 36	14 20	4 36	23 12	0n 0	19 53	1 9	11 54	1 1	16 17	1 10	16 44	0 40	F 19
S 20	20 43	3 46	1 38	14 22	4 43	23 9	0 3	19 43	1 9	11 50	1 1	16 15	1 10	16 43	0 40	S 20
S 21	20 31	0s 8	0 34	14 26	4 49	23 6	0 5	19 33	1 9	11 45	1 0	16 13	1 10	16 42	0 40	S 21
M22	20 19	4 6	0n34	14 31	4 53	23 2	0 8	19 24	1 9	11 41	1 0	16 10	1 10	16 41	0 40	M22
T 23	20 7	7 59	1 41	14 39	4 55	22 57	0 10	19 14	1 9	11 37	1 0	16 8	1 10	16 40	0 40	T 23
W24	19 55	11 35	2 44	14 48	4 56	22 52	0 13	19 3	1 9	11 32	1 0	16 6	1 10	16 39	0 40	W24
T 25	19 42	14 39	3 41	14 59	4 54	22 45	0 15	18 53	1 9	11 28	1 0	16 3	1 10	16 38	0 40	T 25
F 26	19 29	16 58	4 26	15 12	4 51	22 39	0 18	18 43	1 9	11 24	1 0	16 1	1 11	16 37	0 40	F 26
S 27	19 15	18 15	4 55	15 25	4 47	22 31	0 20	18 32	1 9	11 19	1 0	15 59	1 11	16 35	0 40	S 27
S 28	19 2	18 18	5 4	15 40	4 40	22 23	0 23	18 22	1 9	11 15	1 0	15 56	1 11	16 34	0 40	S 28
M29	18 48	17 4	4 53	15 55	4 32	22 15	0 25	18 11	1 9	11 10	1 0	15 54	1 11	16 33	0 40	M29
T 30	18 33	14 37	4 21	16 11	4 22	22 5	0 27	18 0	1 9	11 6	1 0	15 52	1 11	16 32	0 40	T 30
W31	18n19	11s12	3n31	16n27	4s11	21n55	0n30	17n49	1n 9	11n 1	1n 0	15n49	1n11	16n31	0n40	W31

Julian Day Number = 2314395.5, Delta T = 62.53 sec
 Ecliptic obliquity = 23°29'07", Nutation = 0°00'03", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°29'58", Lahiri = 18°36'58"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

AUGUST 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 55	8♂55'55	5♂49	27°R50	24♂45	14♂28	4♂8	20♂33	16♂41	18♂1	17♂10	4°R34	6♂1	17♂46	21°R18	T 1
F 2	20 43 51	9°53'24	20°15	27♂33	25°59	15° 6	4°20	20°41	16°45	18° 2	17°10	4♂31	5°58	17°53	21♂16	F 2
S 3	20 47 48	10°50'54	4♂13	27°22	27°13	15°44	4°32	20°49	16°49	18° 3	17°11	4°D30	5°55	18° 0	21°14	S 3
S 4	20 51 45	11°48'25	17°43	27°D18	28°26	16°22	4°45	20°56	16°52	18° 4	17°11	4°31	5°51	18° 6	21°12	S 4
M 5	20 55 41	12°45'58	0♂46	27°20	29°40	17° 0	4°57	21° 4	16°56	18° 5	17°11	4°32	5°48	18°13	21°10	M 5
T 6	20 59 38	13°43'32	13°27	27°30	0♂54	17°38	5°10	21°11	17° 0	18° 6	17°11	4°R32	5°45	18°20	21° 8	T 6
W 7	21 3 34	14°41'08	25°49	27°46	2° 8	18°16	5°22	21°19	17° 3	18° 8	17°11	4°31	5°42	18°27	21° 6	W 7
T 8	21 7 31	15°38'45	7♂15	28°10	3°21	18°55	5°35	21°27	17° 7	18° 9	17°12	4°29	5°39	18°33	21° 4	T 8
F 9	21 11 27	16°36'24	19°56	28°40	4°35	19°33	5°47	21°34	17°11	18°10	17°12	4°24	5°36	18°40	21° 2	F 9
S 10	21 15 24	17°34'05	1♂50	29°18	5°49	20°11	6° 0	21°42	17°15	18°11	17°12	4°18	5°32	18°47	20°59	S 10
S 11	21 19 20	18°31'46	13°41	0♂ 3	7° 3	20°49	6°13	21°50	17°18	18°13	17°12	4°10	5°29	18°54	20°57	S 11
M12	21 23 17	19°29'30	25°33	0°55	8°17	21°27	6°25	21°57	17°22	18°14	17°12	4° 2	5°26	19° 0	20°55	M12
T 13	21 27 14	20°27'14	7♂28	1°53	9°31	22° 5	6°38	22° 5	17°26	18°15	17°12	3°53	5°23	19° 7	20°53	T 13
W14	21 31 10	21°25'00	19°28	2°58	10°45	22°44	6°51	22°12	17°30	18°17	17°12	3°46	5°20	19°14	20°50	W14
T 15	21 35 7	22°22'48	1♂34	4° 9	11°59	23°22	7° 3	22°20	17°33	18°18	17°12	3°40	5°16	19°20	20°48	T 15
F 16	21 39 3	23°20'37	13°48	5°26	13°13	24° 0	7°16	22°28	17°37	18°20	17°12	3°36	5°13	19°27	20°45	F 16
S 17	21 43 0	24°18'27	26°11	6°48	14°27	24°38	7°29	22°35	17°41	18°21	17°R12	3°35	5°10	19°34	20°43	S 17
S 18	21 46 56	25°16'19	8♂45	8°16	15°41	25°16	7°42	22°43	17°45	18°23	17°12	3°D34	5° 7	19°41	20°41	S 18
M19	21 50 53	26°14'11	21°32	9°48	16°55	25°54	7°55	22°51	17°48	18°24	17°12	3°35	5° 4	19°47	20°38	M19
T 20	21 54 49	27°12'06	4♂34	11°25	18°10	26°33	8° 8	22°58	17°52	18°26	17°12	3°37	5° 1	19°54	20°36	T 20
W21	21 58 46	28°10'01	17°55	13° 6	19°24	27°11	8°20	23° 6	17°56	18°27	17°12	3°38	4°57	20° 1	20°33	W21
T 22	22 2 43	29° 7'58	1♂36	14°50	20°38	27°49	8°33	23°14	17°59	18°29	17°12	3°R39	4°54	20° 7	20°30	T 22
F 23	22 6 39	0♂ 5'56	15°37	16°38	21°52	28°27	8°46	23°21	18° 3	18°30	17°12	3°38	4°51	20°14	20°28	F 23
S 24	22 10 36	1° 3'55	29°59	18°27	23° 7	29° 5	8°59	23°29	18° 7	18°32	17°12	3°35	4°48	20°21	20°25	S 24
S 25	22 14 32	2° 1'56	14♂39	20°19	24°21	29°44	9°12	23°36	18°10	18°34	17°12	3°32	4°45	20°28	20°23	S 25
M26	22 18 29	2°59'58	29°30	22°13	25°35	0♂22	9°25	23°44	18°14	18°35	17°12	3°27	4°41	20°34	20°20	M26
T 27	22 22 25	3°58'02	14♂27	24° 7	26°49	1° 0	9°38	23°52	18°18	18°37	17°11	3°23	4°38	20°41	20°17	T 27
W28	22 26 22	4°56'07	29°19	26° 3	28° 4	1°38	9°51	23°59	18°21	18°39	17°11	3°20	4°35	20°48	20°15	W28
T 29	22 30 18	5°54'14	14♂ 0	27°59	29°18	2°16	10° 4	24° 7	18°25	18°40	17°11	3°17	4°32	20°54	20°12	T 29
F 30	22 34 15	6°52'22	28°22	29°56	0♂33	2°55	10°17	24°14	18°28	18°42	17°11	3°D16	4°29	21° 1	20° 9	F 30
S 31	22 38 12	7♂50'33	12♂20	1♂52	1♂47	3♂33	10♂30	24♂22	18♂32	18♂44	17♂10	3♂16	4♂26	21♂8	20♂6	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 4	7s 7	2n27	16n44	3s59	21n44	0n32	17n38	1n 9	10n57	1n 0	15n47	1n11	16n30	0n40	5s31
F 2	17 48	2 43	1 16	17 0	3 45	21 33	0 34	17 26	1 9	10 52	1 0	15 45	1 11	16 29	0 40	5 31
S 3	17 33	1n42	0 2	17 17	3 31	21 21	0 36	17 15	1 9	10 48	1 0	15 42	1 11	16 28	0 40	5 31
S 4	17 17	5 53	1s10	17 33	3 16	21 9	0 39	17 4	1 9	10 43	1 0	15 40	1 11	16 27	0 40	5 32
M 5	17 1	9 38	2 16	17 48	3 0	20 55	0 41	16 52	1 9	10 39	1 0	15 38	1 11	16 25	0 40	5 32
T 6	16 44	12 49	3 14	18 2	2 43	20 42	0 43	16 40	1 9	10 34	1 0	15 35	1 11	16 24	0 40	5 33
W 7	16 28	15 21	4 1	18 15	2 27	20 27	0 45	16 29	1 9	10 29	1 0	15 33	1 11	16 23	0 40	5 33
T 8	16 11	17 9	4 36	18 27	2 10	20 12	0 47	16 17	1 9	10 25	1 0	15 30	1 11	16 22	0 40	5 34
F 9	15 53	18 9	4 58	18 38	1 53	19 57	0 49	16 5	1 9	10 20	1 0	15 28	1 11	16 21	0 40	5 34
S 10	15 36	18 21	5 7	18 47	1 36	19 41	0 51	15 52	1 9	10 16	1 0	15 25	1 11	16 20	0 40	5 35
S 11	15 18	17 45	5 3	18 54	1 19	19 24	0 53	15 40	1 9	10 11	1 0	15 23	1 11	16 19	0 40	5 35
M12	15 0	16 23	4 46	18 59	1 3	19 7	0 55	15 28	1 9	10 6	1 0	15 21	1 11	16 17	0 40	5 36
T 13	14 42	14 18	4 17	19 1	0 46	18 49	0 57	15 15	1 9	10 1	1 0	15 18	1 12	16 16	0 40	5 37
W14	14 23	11 35	3 36	19 2	0 31	18 30	0 58	15 3	1 9	9 57	1 0	15 16	1 12	16 15	0 40	5 37
T 15	14 5	8 22	2 45	19 0	0 16	18 12	1 0	14 50	1 9	9 52	1 0	15 13	1 12	16 14	0 40	5 38
F 16	13 46	4 46	1 45	18 55	0 2	17 52	1 2	14 37	1 9	9 47	1 0	15 11	1 12	16 13	0 40	5 38
S 17	13 27	0 54	0 40	18 48	0n12	17 32	1 3	14 25	1 8	9 42	1 0	15 9	1 12	16 12	0 40	5 39
S 18	13 7	3s 3	0n28	18 38	0 25	17 12	1 5	14 12	1 8	9 38	1 0	15 6	1 12	16 11	0 40	5 40
M19	12 48	6 55	1 36	18 25	0 37	16 51	1 6	13 59	1 8	9 33	1 0	15 4	1 12	16 10	0 40	5 40
T 20	12 28	10 33	2 41	18 9	0 48	16 30	1 8	13 46	1 8	9 28	1 0	15 1	1 12	16 8	0 40	5 41
W21	12 8	13 42	3 38	17 50	0 58	16 8	1 9	13 32	1 8	9 23	1 0	14 59	1 12	16 7	0 40	5 41
T 22	11 48	16 12	4 25	17 29	1 7	15 45	1 11	13 19	1 8	9 18	1 0	14 56	1 12	16 6	0 40	5 42
F 23	11 28	17 47	4 57	17 5	1 15	15 23	1 12	13 6	1 8	9 14	1 0	14 54	1 12	16 5	0 40	5 43
S 24	11 7	18 17	5 12	16 38	1 22	15 0	1 13	12 52	1 8	9 9	1 0	14 51	1 12	16 4	0 40	5 43
S 25	10 46	17 36	5 6	16 8	1 29	14 36	1 14	12 39	1 8	9 4	1 0	14 49	1 12	16 3	0 40	5 44
M26	10 25	15 43	4 41	15 37	1 34	14 12	1 15	12 25	1 8	8 59	1 0	14 47	1 13	16 2	0 40	5 45
T 27	10 4	12 46	3 56	15 3	1 38	13 48	1 17	12 12	1 8	8 54	1 0	14 44	1 13	16 1	0 40	5 45
W28	9 43	9 0	2 55	14 27	1 42	13 23	1 18	11 58	1 8	8 49	1 0	14 42	1 13	15 59	0 40	5 46
T 29	9 22	4 43	1 44	13 50	1 44	12 58	1 18	11 44	1 7	8 44	1 0	14 39	1 13	15 58	0 40	5 47
F 30	9 0	0 14	0 27	13 10	1 46	12 32	1 19	11 30	1 7	8 39	1 0	14 37	1 13	15 57	0 40	5 47
S 31	8n39	4n 7	0s50	12n30	1n47	12n 6	1n20	11n16	1n 7	8n35	1n 0	14n34	1n13	15n56	0n40	5s48

Julian Day Number = 2314426.5, Delta T = 62.46 sec
 Ecliptic obliquity = 23°29'08, Nutation = 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°30'02, Lahiri = 18°37'03Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

SEPTEMBER 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 42 8	8♂48'45	25♂53	3♂49	3♂1	4♂11	10♂43	24♂29	18♂36	18♂46	17♂R10	3♂18	4♂22	21♂15	20♂R 4	S 1
M 2	22 46 5	9°46'59	9♂1	5°45	4°16	4°49	10°56	24°37	18°39	18°48	17♂10	3°19	4°19	21°21	20♂R 1	M 2
T 3	22 50 1	10°45'16	21°46	7°40	5°30	5°28	11° 9	24°44	18°43	18°49	17° 9	3°20	4°16	21°28	19°58	T 3
W 4	22 53 58	11°43'34	4♂12	9°35	6°45	6° 6	11°22	24°52	18°46	18°51	17° 9	3°21	4°13	21°35	19°55	W 4
T 5	22 57 54	12°41'55	16°22	11°29	8° 0	6°44	11°35	24°59	18°50	18°53	17° 9	3°R22	4°10	21°41	19°52	T 5
F 6	23 1 51	13°40'18	28°22	13°22	9°14	7°22	11°48	25° 7	18°53	18°55	17° 8	3°21	4° 7	21°48	19°50	F 6
S 7	23 5 47	14°38'43	10♂16	15°15	10°29	8° 1	12° 1	25°14	18°57	18°57	17° 8	3°19	4° 3	21°55	19°47	S 7
S 8	23 9 44	15°37'10	22° 7	17° 6	11°43	8°39	12°14	25°21	19° 0	18°59	17° 7	3°17	4° 0	22° 2	19°44	S 8
M 9	23 13 41	16°35'39	4♂1	18°56	12°58	9°17	12°27	25°29	19° 4	19° 1	17° 7	3°14	3°57	22° 8	19°41	M 9
T 10	23 17 37	17°34'10	16° 0	20°46	14°13	9°56	12°40	25°36	19° 7	19° 3	17° 6	3°12	3°54	22°15	19°38	T 10
W11	23 21 34	18°32'43	28° 7	22°34	15°27	10°34	12°53	25°43	19°10	19° 5	17° 6	3°10	3°51	22°22	19°36	W11
T 12	23 25 30	19°31'18	10♂14	24°21	16°42	11°12	13° 6	25°51	19°14	19° 7	17° 5	3° 8	3°47	22°28	19°33	T 12
F 13	23 29 27	20°29'55	22°53	26° 8	17°57	11°51	13°19	25°58	19°17	19° 9	17° 5	3° 7	3°44	22°35	19°30	F 13
S 14	23 33 23	21°28'34	5♂33	27°53	19°12	12°29	13°32	26° 5	19°20	19°11	17° 4	3°D 7	3°41	22°42	19°27	S 14
S 15	23 37 20	22°27'15	18°27	29°37	20°26	13° 7	13°45	26°12	19°24	19°13	17° 4	3° 7	3°38	22°49	19°24	S 15
M16	23 41 16	23°25'58	1♂33	1♂20	21°41	13°46	13°58	26°19	19°27	19°15	17° 3	3° 8	3°35	22°55	19°21	M16
T 17	23 45 13	24°24'43	14°53	3° 2	22°56	14°24	14°11	26°26	19°30	19°17	17° 2	3° 9	3°32	23° 2	19°19	T 17
W18	23 49 9	25°23'29	28°27	4°44	24°11	15° 3	14°23	26°33	19°33	19°19	17° 2	3°10	3°28	23° 9	19°16	W18
T 19	23 53 6	26°22'18	12♂14	6°24	25°25	15°41	14°36	26°40	19°37	19°21	17° 1	3°10	3°25	23°15	19°13	T 19
F 20	23 57 3	27°21'08	26°14	8° 3	26°40	16°19	14°49	26°47	19°40	19°23	17° 1	3°R10	3°22	23°22	19°10	F 20
S 21	0 0 59	28°19'59	10♂26	9°41	27°55	16°58	15° 2	26°54	19°43	19°25	17° 0	3°10	3°19	23°29	19° 7	S 21
S 22	0 4 56	29°18'53	24°46	11°19	29°10	17°36	15°15	27° 1	19°46	19°28	16°59	3°10	3°16	23°36	19° 5	S 22
M23	0 8 52	0♂17'48	9♂14	12°56	0♂25	18°15	15°28	27° 8	19°49	19°30	16°58	3°10	3°12	23°42	19° 2	M23
T 24	0 12 49	1°16'45	23°43	14°31	1°40	18°53	15°40	27°15	19°52	19°32	16°58	3° 9	3° 9	23°49	18°59	T 24
W25	0 16 45	2°15'43	8♂9	16° 6	2°55	19°32	15°53	27°22	19°55	19°34	16°57	3° 9	3° 6	23°56	18°56	W25
T 26	0 20 42	3°14'44	22°27	17°40	4° 9	20°10	16° 6	27°28	19°58	19°36	16°56	3°D 9	3° 3	24° 2	18°54	T 26
F 27	0 24 38	4°13'46	6♂32	19°13	5°24	20°49	16°18	27°35	20° 1	19°38	16°55	3°R 9	3° 0	24° 9	18°51	F 27
S 28	0 28 35	5°12'51	20°20	20°45	6°39	21°27	16°31	27°42	20° 4	19°40	16°55	3° 9	2°57	24°16	18°48	S 28
S 29	0 32 32	6°11'57	3♂47	22°17	7°54	22° 6	16°44	27°48	20° 7	19°43	16°54	3° 9	2°53	24°23	18°46	S 29
M30	0 36 28	7♂11'06	16♂54	23♂48	9♂9	22♂44	16♂56	27♂55	20♂10	19♂45	16♂53	3♂9	2♂50	24♂29	18♂43	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	8n17	8n 8	2s 1	11n48	1n47	11n40	1n21	11n 2	1n 7	8n30	1n 0	14n32	1n13	15n55	0n40	S 1
M 2	7 55	11 37	3 4	11 5	1 47	11 14	1 22	10 48	1 7	8 25	1 0	14 30	1 13	15 54	0 40	M 2
T 3	7 33	14 26	3 56	10 21	1 46	10 47	1 22	10 34	1 7	8 20	1 0	14 27	1 13	15 53	0 40	T 3
W 4	7 11	16 31	4 35	9 36	1 44	10 20	1 23	10 20	1 7	8 15	1 1	14 25	1 13	15 52	0 40	W 4
T 5	6 48	17 47	5 1	8 51	1 42	9 53	1 23	10 5	1 7	8 10	1 1	14 22	1 14	15 51	0 40	T 5
F 6	6 26	18 15	5 14	8 5	1 39	9 25	1 24	9 51	1 7	8 5	1 1	14 20	1 14	15 50	0 40	F 6
S 7	6 3	17 53	5 13	7 18	1 36	8 57	1 24	9 36	1 6	8 0	1 1	14 18	1 14	15 49	0 40	S 7
S 8	5 41	16 45	4 58	6 32	1 33	8 29	1 24	9 22	1 6	7 55	1 1	14 15	1 14	15 48	0 40	S 8
M 9	5 18	14 54	4 31	5 45	1 29	8 0	1 25	9 7	1 6	7 50	1 1	14 13	1 14	15 46	0 40	M 9
T 10	4 55	12 23	3 52	4 57	1 24	7 32	1 25	8 53	1 6	7 45	1 1	14 10	1 14	15 45	0 40	T 10
W11	4 32	9 18	3 2	4 10	1 19	7 3	1 25	8 38	1 6	7 40	1 1	14 8	1 14	15 44	0 40	W11
T 12	4 9	5 48	2 2	3 23	1 14	6 34	1 25	8 23	1 6	7 35	1 1	14 6	1 14	15 43	0 40	T 12
F 13	3 46	1 58	0 56	2 36	1 9	6 5	1 25	8 9	1 6	7 31	1 1	14 3	1 15	15 42	0 40	F 13
S 14	3 23	2s 0	0n13	1 49	1 3	5 35	1 25	7 54	1 5	7 26	1 1	14 1	1 15	15 41	0 40	S 14
S 15	3 0	5 57	1 24	1 2	0 57	5 6	1 25	7 39	1 5	7 21	1 1	13 59	1 15	15 40	0 40	S 15
M16	2 37	9 40	2 31	0 15	0 51	4 36	1 25	7 24	1 5	7 16	1 1	13 56	1 15	15 39	0 40	M16
T 17	2 13	12 58	3 31	0s31	0 45	4 6	1 24	7 9	1 5	7 11	1 1	13 54	1 15	15 38	0 40	T 17
W18	1 50	15 37	4 21	1 17	0 39	3 36	1 24	6 54	1 5	7 6	1 1	13 52	1 15	15 37	0 40	W18
T 19	1 27	17 24	4 56	2 3	0 32	3 6	1 24	6 39	1 5	7 1	1 1	13 50	1 15	15 36	0 40	T 19
F 20	1 3	18 11	5 15	2 49	0 25	2 36	1 23	6 24	1 5	6 56	1 1	13 47	1 15	15 35	0 40	F 20
S 21	0 40	17 51	5 15	3 34	0 19	2 5	1 23	6 9	1 4	6 51	1 2	13 45	1 16	15 34	0 41	S 21
S 22	0 16	16 22	4 55	4 18	0 12	1 35	1 22	5 54	1 4	6 46	1 2	13 43	1 16	15 33	0 41	S 22
M23	0s 7	13 51	4 17	5 3	0 5	1 5	1 21	5 38	1 4	6 41	1 2	13 41	1 16	15 33	0 41	M23
T 24	0 31	10 28	3 22	5 46	0s 2	0 34	1 21	5 23	1 4	6 36	1 2	13 38	1 16	15 32	0 41	T 24
W25	0 54	6 27	2 14	6 29	0 10	0 4	1 20	5 8	1 4	6 32	1 2	13 36	1 16	15 31	0 41	W25
T 26	1 18	2 6	0 59	7 12	0 17	0s27	1 19	4 52	1 3	6 27	1 2	13 34	1 16	15 30	0 41	T 26
F 27	1 41	2n19	0s19	7 54	0 24	0 57	1 18	4 37	1 3	6 22	1 2	13 32	1 16	15 29	0 41	F 27
S 28	2 5	6 31	1 34	8 36	0 31	1 28	1 17	4 22	1 3	6 17	1 2	13 30	1 17	15 28	0 41	S 28
S 29	2 28	10 16	2 42	9 17	0 38	1 59	1 16	4 6	1 3	6 12	1 2	13 28	1 17	15 27	0 41	S 29
M30	2s51	13n24	3s40	9s57	0s45	2s29	1n15	3n51	1n 3	6n 7	1n 2	13n25	1n17	15n26	0n41	M30

Julian Day Number = 2314457.5, Delta T = 62.38 sec
 Ecliptic obliquity = 23°29'08, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°30'06, Lahiri = 18°37'07Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

OCTOBER 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 40 25	8♌10'18	29♌41	25♌17	10♌24	23♍23	17♍9	28♌1	20♌12	19♌47	16♌R52	3♌R 8	2♌47	24♌36	18♌R40	T 1
W 2	0 44 21	9° 9'31	12♌8	26°46	11°39	24° 1	17°21	28° 8	20°15	19°49	16♌51	3♌ 7	2°44	24°43	18♌38	W 2
T 3	0 48 18	10° 8'47	24°21	28°15	12°54	24°40	17°34	28°14	20°18	19°51	16°50	3° 7	2°41	24°49	18°35	T 3
F 4	0 52 14	11° 8'05	6♌22	29°42	14° 9	25°18	17°46	28°20	20°21	19°54	16°50	3°D 6	2°38	24°56	18°33	F 4
S 5	0 56 11	12° 7'26	18°17	1♌ 8	15°24	25°57	17°59	28°26	20°23	19°56	16°49	3° 6	2°34	25° 3	18°30	S 5
S 6	1 0 7	13° 6'49	0♌ 9	2°34	16°39	26°36	18°11	28°33	20°26	19°58	16°48	3° 7	2°31	25°10	18°27	S 6
M 7	1 4 4	14° 6'14	12° 3	3°59	17°54	27°14	18°24	28°39	20°28	20° 0	16°47	3° 8	2°28	25°16	18°25	M 7
T 8	1 8 1	15° 5'41	24° 5	5°23	19° 9	27°53	18°36	28°45	20°31	20° 3	16°46	3° 9	2°25	25°23	18°23	T 8
W 9	1 11 57	16° 5'11	6♍17	6°46	20°24	28°31	18°48	28°51	20°33	20° 5	16°45	3°10	2°22	25°30	18°20	W 9
T 10	1 15 54	17° 4'42	18°43	8° 8	21°39	29°10	19° 0	28°57	20°36	20° 7	16°44	3°11	2°18	25°36	18°18	T 10
F 11	1 19 50	18° 4'16	1♌25	9°29	22°54	29°49	19°12	29° 3	20°38	20° 9	16°43	3°R12	2°15	25°43	18°15	F 11
S 12	1 23 47	19° 3'52	14°25	10°49	24° 9	0♌27	19°25	29° 9	20°41	20°12	16°42	3°11	2°12	25°50	18°13	S 12
S 13	1 27 43	20° 3'31	27°42	12° 8	25°24	1° 6	19°37	29°14	20°43	20°14	16°41	3°10	2° 9	25°57	18°11	S 13
M14	1 31 40	21° 3'11	11♌14	13°25	26°40	1°45	19°49	29°20	20°45	20°16	16°40	3° 8	2° 6	26° 3	18° 8	M14
T 15	1 35 36	22° 2'53	25° 1	14°41	27°55	2°24	20° 1	29°26	20°48	20°18	16°39	3° 6	2° 3	26°10	18° 6	T 15
W16	1 39 33	23° 2'37	8♌58	15°56	29°10	3° 2	20°13	29°31	20°50	20°20	16°38	3° 3	1°59	26°17	18° 4	W16
T 17	1 43 29	24° 2'23	23° 4	17° 9	0♌25	3°41	20°24	29°37	20°52	20°23	16°37	3° 0	1°56	26°23	18° 2	T 17
F 18	1 47 26	25° 2'10	7♌31	18°21	1°40	4°20	20°36	29°42	20°54	20°25	16°36	2°58	1°53	26°30	18° 0	F 18
S 19	1 51 23	26° 2'00	21°26	19°31	2°55	4°59	20°48	29°48	20°56	20°27	16°35	2°D57	1°50	26°37	17°58	S 19
S 20	1 55 19	27° 1'50	5♌37	20°39	4°10	5°37	21° 0	29°53	20°58	20°29	16°34	2°58	1°47	26°44	17°56	S 20
M21	1 59 16	28° 1'43	19°45	21°44	5°25	6°16	21°11	29°58	21° 0	20°32	16°33	2°59	1°44	26°50	17°54	M21
T 22	2 3 12	29° 1'37	3♌50	22°48	6°40	6°55	21°23	0♍3	21° 2	20°34	16°32	3° 0	1°40	26°57	17°52	T 22
W23	2 7 9	0♌133	17°48	23°48	7°55	7°34	21°34	0° 8	21° 4	20°36	16°31	3° 1	1°37	27° 4	17°50	W23
T 24	2 11 5	1° 1'30	1♍37	24°46	9°10	8°13	21°46	0°13	21° 6	20°38	16°30	3°R 2	1°34	27°10	17°48	T 24
F 25	2 15 2	2° 1'29	15°16	25°40	10°26	8°52	21°57	0°18	21° 8	20°41	16°29	3° 2	1°31	27°17	17°46	F 25
S 26	2 18 58	3° 1'30	28°43	26°30	11°41	9°30	22° 8	0°23	21° 9	20°43	16°28	3° 0	1°28	27°24	17°44	S 26
S 27	2 22 55	4° 1'33	11♌56	27°17	12°56	10° 9	22°19	0°28	21°11	20°45	16°26	2°56	1°24	27°30	17°43	S 27
M28	2 26 52	5° 1'38	24°53	27°58	14°11	10°48	22°31	0°33	21°13	20°47	16°25	2°51	1°21	27°37	17°41	M28
T 29	2 30 48	6° 1'45	7♌34	28°35	15°26	11°27	22°42	0°37	21°14	20°49	16°24	2°45	1°18	27°44	17°39	T 29
W30	2 34 45	7° 1'54	20° 0	29° 6	16°41	12° 6	22°53	0°42	21°16	20°51	16°23	2°39	1°15	27°51	17°38	W30
T 31	2 38 41	8♌2'05	2♌12	29♌31	17♌56	12♌45	23♍4	0♍46	21♌17	20♌54	16♌R22	2♌34	1♌12	27♌36	17♌36	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	3s15	15n49	4s25	10s37	0s53	3s 0	1n14	3n35	1n 3	6n 3	1n 2	13n23	1n17	15n25	0n41	6s12
W 2	3 38	17 24	4 56	11 16	1 0	3 30	1 13	3 20	1 2	5 58	1 2	13 21	1 17	15 24	0 41	6 13
T 3	4 2	18 9	5 13	11 54	1 7	4 1	1 11	3 5	1 2	5 53	1 3	13 19	1 17	15 24	0 41	6 14
F 4	4 25	18 4	5 16	12 32	1 14	4 31	1 10	2 49	1 2	5 48	1 3	13 17	1 18	15 23	0 41	6 15
S 5	4 48	17 11	5 6	13 9	1 21	5 1	1 9	2 33	1 2	5 43	1 3	13 15	1 18	15 22	0 41	6 16
S 6	5 11	15 33	4 42	13 45	1 27	5 31	1 7	2 18	1 2	5 39	1 3	13 13	1 18	15 21	0 41	6 17
M 7	5 34	13 16	4 7	14 21	1 34	6 1	1 6	2 2	1 1	5 34	1 3	13 11	1 18	15 20	0 41	6 18
T 8	5 57	10 22	3 20	14 55	1 41	6 31	1 4	1 47	1 1	5 29	1 3	13 9	1 18	15 20	0 41	6 18
W 9	6 20	7 0	2 23	15 29	1 47	7 1	1 3	1 31	1 1	5 24	1 3	13 7	1 18	15 19	0 41	6 19
T 10	6 43	3 15	1 19	16 2	1 53	7 31	1 1	1 16	1 1	5 20	1 3	13 5	1 19	15 18	0 41	6 20
F 11	7 6	0s43	0 10	16 34	2 0	8 0	0 59	1 0	1 0	5 15	1 3	13 3	1 19	15 17	0 41	6 21
S 12	7 29	4 45	1n 2	17 5	2 6	8 29	0 58	0 44	1 0	5 10	1 4	13 2	1 19	15 17	0 41	6 22
S 13	7 51	8 38	2 11	17 35	2 11	8 59	0 56	0 29	1 0	5 6	1 4	13 0	1 19	15 16	0 41	6 23
M14	8 14	12 9	3 15	18 4	2 17	9 28	0 54	0 13	1 0	5 1	1 4	12 58	1 19	15 15	0 41	6 23
T 15	8 36	15 2	4 8	18 32	2 22	9 56	0 52	0s 3	1 0	4 57	1 4	12 56	1 19	15 15	0 41	6 24
W16	8 58	17 6	4 48	18 59	2 27	10 25	0 50	0 18	0 59	4 52	1 4	12 54	1 20	15 14	0 41	6 25
T 17	9 21	18 9	5 10	19 25	2 32	10 53	0 48	0 34	0 59	4 47	1 4	12 52	1 20	15 13	0 41	6 26
F 18	9 43	18 4	5 14	19 49	2 36	11 21	0 47	0 49	0 59	4 43	1 4	12 51	1 20	15 13	0 41	6 27
S 19	10 4	16 52	4 59	20 13	2 40	11 49	0 45	1 5	0 59	4 38	1 4	12 49	1 20	15 12	0 41	6 28
S 20	10 26	14 37	4 25	20 35	2 44	12 16	0 42	1 21	0 58	4 34	1 5	12 47	1 20	15 11	0 41	6 28
M21	10 48	11 30	3 36	20 55	2 47	12 43	0 40	1 36	0 58	4 29	1 5	12 46	1 21	15 11	0 42	6 29
T 22	11 9	7 44	2 34	21 14	2 50	13 10	0 38	1 52	0 58	4 25	1 5	12 44	1 21	15 10	0 42	6 30
W23	11 30	3 34	1 23	21 32	2 52	13 36	0 36	2 8	0 58	4 21	1 5	12 42	1 21	15 10	0 42	6 31
T 24	11 51	0n46	0 8	21 48	2 54	14 3	0 34	2 23	0 57	4 16	1 5	12 41	1 21	15 9	0 42	6 32
F 25	12 12	5 0	1s 7	22 2	2 55	14 28	0 32	2 39	0 57	4 12	1 5	12 39	1 21	15 9	0 42	6 33
S 26	12 33	8 55	2 16	22 15	2 55	14 54	0 29	2 54	0 57	4 8	1 5	12 38	1 22	15 8	0 42	6 33
S 27	12 53	12 19	3 17	22 25	2 55	15 19	0 27	3 10	0 56	4 3	1 6	12 36	1 22	15 8	0 42	6 34
M28	13 13	15 3	4 6	22 34	2 53	15 44	0 25	3 25	0 56	3 59	1 6	12 35	1 22	15 7	0 42	6 35
T 29	13 33	16 59	4 42	22 40	2 51	16 8	0 23	3 41	0 56	3 55	1 6	12 33	1 22	15 7	0 42	6 36
W30	13 53	18 4	5 4	22 44	2 48	16 32	0 20	3 56	0 56	3 51	1 6	12 32	1 22	15 6	0 42	6 37
T 31	14s13	18n17	5s11	22s45	2s44	16s55	0n18	4s12	0n55	3n46	1n 6	12n30	1n23	15n 6	0n42	6s37

Julian Day Number = 2314487.5, Delta T = 62.31 sec
 Ecliptic obliquity = 23°29'08", Nutation = 0°00'00", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°30'10", Lahiri = 18°37'11"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1624

geocentric

NOVEMBER 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 42 38	9♉ 2'18	14♊13	29♉48	19♉11	13♊24	23♉14	0♉50	21♉19	20♊56	16°R21	2°R29	1♊9	28♊4	17°R35	F 1
S 2	2 46 34	10° 2'33	26° 6	29°58	20°26	14° 3	23°25	0°55	21°20	20°58	16♊20	2♊26	1° 5	28°11	17♊33	S 2
S 3	2 50 31	11° 2'50	7♊58	0°R 0	21°42	14°42	23°36	0°59	21°21	21° 0	16°19	2°D25	1° 2	28°17	17°32	S 3
M 4	2 54 27	12° 3'09	19°51	29°53	22°57	15°21	23°46	1° 3	21°23	21° 2	16°18	2°25	0°59	28°24	17°30	M 4
T 5	2 58 24	13° 3'29	1♉51	29°36	24°12	16° 0	23°57	1° 7	21°24	21° 4	16°16	2°27	0°56	28°31	17°29	T 5
W 6	3 2 21	14° 3'52	14° 4	29° 9	25°27	16°39	24° 7	1°11	21°25	21° 6	16°15	2°28	0°53	28°38	17°28	W 6
T 7	3 6 17	15° 4'17	26°33	28°32	26°42	17°18	24°18	1°15	21°26	21° 9	16°14	2°R29	0°49	28°44	17°27	T 7
F 8	3 10 14	16° 4'43	9♊23	27°46	27°57	17°57	24°28	1°18	21°27	21°11	16°13	2°29	0°46	28°51	17°26	F 8
S 9	3 14 10	17° 5'12	22°35	26°49	29°12	18°36	24°38	1°22	21°28	21°13	16°12	2°27	0°43	28°58	17°24	S 9
S 10	3 18 7	18° 5'42	6♉11	25°44	0♊28	19°15	24°48	1°25	21°29	21°15	16°11	2°23	0°40	29° 4	17°23	S 10
M 11	3 22 3	19° 6'14	20° 9	24°31	1°43	19°55	24°58	1°29	21°30	21°17	16°10	2°17	0°37	29°11	17°22	M 11
T 12	3 26 0	20° 6'47	4♊24	23°14	2°58	20°34	25° 8	1°32	21°31	21°19	16° 9	2°10	0°34	29°18	17°21	T 12
W 13	3 29 56	21° 7'22	18°52	21°53	4°13	21°13	25°18	1°35	21°32	21°21	16° 7	2° 1	0°30	29°25	17°21	W 13
T 14	3 33 53	22° 7'59	3♊24	20°32	5°28	21°52	25°27	1°39	21°32	21°23	16° 6	1°54	0°27	29°31	17°20	T 14
F 15	3 37 50	23° 8'37	17°56	19°13	6°43	22°31	25°37	1°42	21°33	21°25	16° 5	1°47	0°24	29°38	17°19	F 15
S 16	3 41 46	24° 9'15	2♊21	17°59	7°58	23°11	25°46	1°45	21°34	21°27	16° 4	1°43	0°21	29°45	17°18	S 16
S 17	3 45 43	25° 9'55	16°36	16°52	9°14	23°50	25°56	1°47	21°34	21°29	16° 3	1°41	0°18	29°51	17°18	S 17
M 18	3 49 39	26°10'36	0♊39	15°54	10°29	24°29	26° 5	1°50	21°35	21°31	16° 2	1°D41	0°15	29°58	17°17	M 18
T 19	3 53 36	27°11'18	14°29	15° 7	11°44	25° 8	26°14	1°53	21°35	21°33	16° 1	1°41	0°11	0°Ω 5	17°17	T 19
W 20	3 57 32	28°12'01	28° 6	14°31	12°59	25°48	26°23	1°55	21°36	21°35	16° 0	1°R42	0° 8	0°11	17°16	W 20
T 21	4 1 29	29°12'46	11°V31	14° 7	14°14	26°27	26°32	1°58	21°36	21°36	15°59	1°42	0° 5	0°18	17°16	T 21
F 22	4 5 25	0♊13'31	24°45	13°54	15°29	27° 6	26°41	2° 0	21°36	21°38	15°57	1°39	0° 2	0°25	17°15	F 22
S 23	4 9 22	1°14'17	7♊48	13°D52	16°44	27°45	26°49	2° 2	21°36	21°40	15°56	1°34	29°59	0°32	17°15	S 23
S 24	4 13 19	2°15'05	20°40	14° 1	17°59	28°25	26°58	2° 4	21°37	21°42	15°55	1°26	29°55	0°38	17°15	S 24
M 25	4 17 15	3°15'53	3♊20	14°20	19°14	29° 4	27° 6	2° 6	21°37	21°44	15°54	1°16	29°52	0°45	17°15	M 25
T 26	4 21 12	4°16'43	15°50	14°47	20°30	29°43	27°15	2° 8	21°37	21°45	15°53	1° 4	29°49	0°52	17°14	T 26
W 27	4 25 8	5°17'34	28° 8	15°23	21°45	0♉23	27°23	2°10	21°R37	21°47	15°52	0°52	29°46	0°58	17°14	W 27
T 28	4 29 5	6°18'27	10♊15	16° 5	23° 0	1° 2	27°31	2°12	21°37	21°49	15°51	0°40	29°43	1° 5	17°D14	T 28
F 29	4 33 1	7°19'20	22°14	16°54	24°15	1°42	27°39	2°13	21°37	21°51	15°50	0°29	29°40	1°12	17°14	F 29
S 30	4 36 58	8♊20'15	4♊6	17♉48	25♊30	2♉21	27°47	2°15	21♉36	21♊52	15♊49	0♊21	29°36	1♊18	17♊14	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	14s32	17n41	5s 5	22s43	2s38	17s18	0n16	4s27	0n55	3n42	1n 6	12n29	1n23	15n 5	0n42	6s38	1n40	2n14	15s 8	0s59	0s27	16n 5	0s58	4n18	
S 2	14 51	16 18	4 45	22 39	2 31	17 41	0 13	4 43	0 55	3 38	1 6	12 28	1 23	15 5	0 42	6 39	1 40	2 13	15 8	0 58	0 26	16 4	0 58	4 18	
S 3	15 10	14 14	4 13	22 31	2 23	18 3	0 11	4 58	0 54	3 34	1 7	12 27	1 23	15 4	0 42	6 40	1 40	2 13	15 8	0 58	0 25	16 3	0 59	4 17	
M 4	15 29	11 33	3 31	22 20	2 14	18 25	0 8	5 13	0 54	3 30	1 7	12 25	1 23	15 4	0 42	6 40	1 40	2 13	15 8	0 58	0 24	16 3	1 0	4 17	
T 5	15 47	8 22	2 39	22 6	2 2	18 46	0 6	5 29	0 54	3 26	1 7	12 24	1 24	15 4	0 42	6 41	1 40	2 12	15 8	0 58	0 22	16 2	1 1	4 17	
W 6	16 5	4 46	1 38	21 47	1 49	19 6	0 3	5 44	0 54	3 22	1 7	12 23	1 24	15 3	0 42	6 42	1 40	2 12	15 8	0 59	0 21	16 1	1 2	4 16	
T 7	16 23	0 53	0 32	21 25	1 35	19 26	0 1	5 59	0 53	3 18	1 7	12 22	1 24	15 3	0 42	6 43	1 40	2 12	15 8	1 0	0 20	16 0	1 2	4 16	
F 8	16 41	3s 9	0n37	20 58	1 19	19 46	0s 1	6 14	0 53	3 14	1 7	12 21	1 24	15 3	0 42	6 44	1 40	2 12	15 8	1 0	0 18	15 59	1 3	4 16	
S 9	16 58	7 9	1 47	20 28	1 1	20 5	0 4	6 30	0 53	3 10	1 8	12 19	1 24	15 2	0 42	6 44	1 40	2 11	15 8	0 59	0 17	15 58	1 4	4 16	
S 10	17 15	10 54	2 52	19 55	0 42	20 23	0 6	6 45	0 52	3 6	1 8	12 18	1 25	15 2	0 42	6 45	1 40	2 11	15 8	0 57	0 16	15 57	1 4	4 15	
M 11	17 32	14 9	3 48	19 18	0 22	20 41	0 9	7 0	0 52	3 3	1 8	12 17	1 25	15 2	0 42	6 46	1 41	2 11	15 8	0 55	0 15	15 56	1 5	4 15	
T 12	17 48	16 36	4 32	18 39	0 2	20 59	0 11	7 15	0 52	2 59	1 8	12 16	1 25	15 2	0 42	6 47	1 41	2 11	15 8	0 52	0 13	15 55	1 6	4 15	
W 13	18 4	18 3	4 59	17 58	0n19	21 15	0 14	7 30	0 51	2 55	1 8	12 15	1 25	15 2	0 42	6 47	1 41	2 10	15 8	0 48	0 12	15 54	1 6	4 14	
T 14	18 20	18 20	5 7	17 17	0 39	21 31	0 16	7 45	0 51	2 52	1 9	12 15	1 26	15 1	0 43	6 48	1 41	2 10	15 8	0 45	0 11	15 53	1 7	4 14	
F 15	18 36	17 25	4 55	16 37	0 59	21 47	0 19	8 0	0 51	2 48	1 9	12 14	1 26	15 1	0 43	6 49	1 41	2 10	15 8	0 43	0 10	15 52	1 7	4 14	
S 16	18 51	15 23	4 24	15 59	1 17	22 2	0 21	8 15	0 50	2 44	1 9	12 13	1 26	15 1	0 43	6 49	1 41	2 10	15 8	0 41	0 8	15 51	1 8	4 14	
S 17	19 6	12 26	3 38	15 25	1 34	22 16	0 24	8 30	0 50	2 41	1 9	12 12	1 26	15 1	0 43	6 50	1 41	2 9	15 8	0 40	0 7	15 50	1 8	4 13	
M 18	19 20	8 47	2 39	14 54	1 48	22 29	0 26	8 44	0 50	2 37	1 9	12 11	1 27	15 1	0 43	6 51	1 41	2 9	15 8	0 40	0 6	15 49	1 9	4 13	
T 19	19 34	4 43	1 31	14 28	2 1	22 42	0 28	8 59	0 49	2 34	1 10	12 11	1 27	15 1	0 43	6 51	1 41	2 9	15 8	0 40	0 5	15 48	1 9	4 13	
W 20	19 48	0 28	0 19	14 8	2 12	22 55	0 31	9 14	0 49	2 30	1 10	12 10	1 27	15 1	0 43	6 52	1 41	2 9	15 7	0 41	0 3	15 48	1 10	4 12	
T 21	20 1	3n46	0s52	13 52	2 20	23 6	0 33	9 28	0 48	2 27	1 10	12 9	1 27	15 0	0 43	6 53	1 41	2 8	15 7	0 41	0 2	15 47	1 10	4 12	
F 22	20 14	7 44	2 0	13 42	2 27	23 17	0 36	9 43	0 48	2 24	1 10	12 9	1 27	15 0	0 43	6 53	1 41	2 8	15 7	0 40	0 1	15 46	1 11	4 12	
S 23	20 27	11 18	3 0	13 37	2 31	23 27	0 38	9 57	0 48	2 21	1 10	12 8	1 28	15 0	0 43	6 54	1 41	2 8	15 7	0 38	0n 1	15 45	1 11	4 12	
S 24	20 39	14 15	3 50	13 37	2 34	23 37	0 40	10 12	0 47	2 17	1 11	12 8	1 28	15 0	0 43	6 55	1 41	2 8	15 7	0 34	0 2	15 44	1 11	4 11	
M 25	20 51	16 29	4 28	13 41	2 36	23 45	0 43	10 26	0 47	2 14	1 11	12 7	1 28	15 0	0 43	6 55	1 41	2 8	15 7	0 30	0 3	15 43	1 12	4 11	
T 26	21 2	17 53	4 52	13 50	2 36	23 53	0 45	10 40	0 47	2 11	1 11	12 7	1 28	15 0	0 43	6 56	1 41	2 8	15 7	0 26	0 4	15 42	1 12	4 11	
W 27	21 14	18 26	5 2	14 1	2 34	24 1	0 47	10 54	0 46	2 8	1 11	12 6	1 29	15 0	0 43	6 57	1 41	2 7	15 7	0 21	0 6	15 41	1 12	4 10	
T 28	21 24	18 8	4 58	14 15	2 32	24 7	0 49	11 9	0 46	2 5	1 11	12 6	1 29	15 0	0 43	6 57	1 41	2 7	15 7	0 16	0 7	15 40	1 13	4 10	
F 29	21 34	17 1	4 41	14 32	2 29	24 13	0 52	11 23	0 45	2 2	1 12	12 5	1 29	15 1	0 43	6 58	1 41	2 7	15 6	0 12	0 8	15 39	1 13	4 10	
S 30	21s44	15n11	4s12	14s51	2n25	24s18	0s54	11s37	0n45	1n59	1n12	12n 5	1n29	15n 1	0n43	6s58	1n41	2n 7	15s 6	0s 9	0n 9	15n38	1s13	4n 4	

ASTRODIENST EPHEMERIS for the year 1624
geocentric

DECEMBER 1624 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 40 54	9°21'11"	15°55'	18°47'	26°45'	3°11'	27°54'	2°16'	21°R36	21°54'	15°R48	0°R16	29°33'	1°25'	17°15'	S 1
M 2	4 44 51	10°22'08"	27°46'	19°51'	28° 0'	3°40'	28° 2'	2°17'	21°36'	21°56'	15°47'	0°13'	29°30'	1°32'	17°15'	M 2
T 3	4 48 48	11°23'07"	9°43'	20°58'	29°15'	4°19'	28° 9'	2°18'	21°36'	21°57'	15°46'	0°D12	29°27'	1°39'	17°15'	T 3
W 4	4 52 44	12°24'06"	21°52'	22° 8'	0°30'	4°59'	28°16'	2°19'	21°35'	21°59'	15°45'	0°13'	29°24'	1°45'	17°15'	W 4
T 5	4 56 41	13°25'07"	4°18'	23°21'	1°45'	5°38'	28°24'	2°20'	21°35'	22° 0'	15°44'	0°R13	29°21'	1°52'	17°16'	T 5
F 6	5 0 37	14°26'09"	17° 7'	24°37'	3° 0'	6°18'	28°31'	2°21'	21°34'	22° 2'	15°43'	0°11'	29°17'	1°59'	17°16'	F 6
S 7	5 4 34	15°27'11"	0°22'	25°55'	4°15'	6°58'	28°37'	2°22'	21°34'	22° 4'	15°42'	0° 8'	29°14'	2° 5'	17°17'	S 7
S 8	5 8 30	16°28'15"	14° 5'	27°14'	5°30'	7°37'	28°44'	2°22'	21°33'	22° 5'	15°41'	0° 2'	29°11'	2°12'	17°17'	S 8
M 9	5 12 27	17°29'20"	28°16'	28°35'	6°45'	8°17'	28°51'	2°23'	21°32'	22° 6'	15°40'	29°53'	29° 8'	2°19'	17°18'	M 9
T 10	5 16 23	18°30'26"	12°51'	29°57'	8° 0'	8°56'	28°57'	2°23'	21°32'	22° 8'	15°39'	29°42'	29° 5'	2°26'	17°19'	T 10
W11	5 20 20	19°31'33"	27°43'	1°21'	9°15'	9°36'	29° 3'	2°23'	21°31'	22° 9'	15°38'	29°30'	29° 1'	2°32'	17°19'	W11
T 12	5 24 17	20°32'40"	12°34'	2°45'	10°30'	10°16'	29° 9'	2°24'	21°30'	22°11'	15°37'	29°19'	28°58'	2°39'	17°20'	T 12
F 13	5 28 13	21°33'47"	27°41'	4°11'	11°45'	10°55'	29°15'	2°R24	21°29'	22°12'	15°36'	29° 9'	28°55'	2°46'	17°21'	F 13
S 14	5 32 10	22°34'55"	12°29'	5°37'	13° 0'	11°35'	29°21'	2°24'	21°28'	22°13'	15°36'	29° 2'	28°52'	2°52'	17°22'	S 14
S 15	5 36 6	23°36'03"	27° 0'	7° 4'	14°15'	12°15'	29°27'	2°23'	21°27'	22°15'	15°35'	28°57'	28°49'	2°59'	17°23'	S 15
M16	5 40 3	24°37'11"	11°11'	8°32'	15°30'	12°54'	29°32'	2°23'	21°26'	22°16'	15°34'	28°55'	28°46'	3° 6'	17°24'	M16
T 17	5 43 59	25°38'20"	25° 1'	10° 0'	16°45'	13°34'	29°38'	2°23'	21°25'	22°17'	15°33'	28°55'	28°42'	3°12'	17°25'	T 17
W18	5 47 56	26°39'28"	8°31'	11°28'	18° 0'	14°14'	29°43'	2°22'	21°24'	22°18'	15°32'	28°55'	28°39'	3°19'	17°26'	W18
T 19	5 51 52	27°40'36"	21°43'	12°58'	19°15'	14°53'	29°48'	2°21'	21°23'	22°20'	15°31'	28°54'	28°36'	3°26'	17°27'	T 19
F 20	5 55 49	28°41'45"	4°40'	14°27'	20°30'	15°33'	29°52'	2°21'	21°22'	22°21'	15°31'	28°50'	28°33'	3°32'	17°29'	F 20
S 21	5 59 46	29°42'54"	17°24'	15°57'	21°45'	16°13'	29°57'	2°20'	21°20'	22°22'	15°30'	28°44'	28°30'	3°39'	17°30'	S 21
S 22	6 3 42	0°34'03"	29°57'	17°27'	23° 0'	16°53'	0°2'	2°19'	21°19'	22°23'	15°29'	28°34'	28°27'	3°46'	17°31'	S 22
M23	6 7 39	1°45'11"	12°11'	18°58'	24°15'	17°32'	0° 6'	2°18'	21°18'	22°24'	15°28'	28°22'	28°23'	3°53'	17°33'	M23
T 24	6 11 35	2°46'20"	24°36'	20°29'	25°30'	18°12'	0°10'	2°16'	21°16'	22°25'	15°28'	28° 7'	28°20'	3°59'	17°34'	T 24
W25	6 15 32	3°47'29"	6°43'	22° 1'	26°45'	18°52'	0°14'	2°15'	21°15'	22°26'	15°27'	27°52'	28°17'	4° 6'	17°36'	W25
T 26	6 19 28	4°48'39"	18°44'	23°32'	27°59'	19°32'	0°18'	2°14'	21°13'	22°27'	15°26'	27°38'	28°14'	4°13'	17°37'	T 26
F 27	6 23 25	5°49'48"	0°38'	25° 5'	29°14'	20°12'	0°21'	2°12'	21°12'	22°28'	15°26'	27°25'	28°11'	4°19'	17°39'	F 27
S 28	6 27 21	6°50'57"	12°28'	26°37'	0°29'	20°52'	0°25'	2°11'	21°10'	22°29'	15°25'	27°15'	28° 7'	4°26'	17°40'	S 28
S 29	6 31 18	7°52'07"	24°17'	28°10'	1°44'	21°32'	0°28'	2° 9'	21° 9'	22°30'	15°24'	27° 8'	28° 4'	4°33'	17°42'	S 29
M30	6 35 15	8°53'17"	6°17'	29°43'	2°58'	22°11'	0°31'	2° 7'	21° 7'	22°31'	15°24'	27° 4'	28° 1'	4°39'	17°44'	M30
T 31	6 39 11	9°54'26"	18°17'	1°17'	4°13'	22°15'	0°34'	2°17'	21°15'	22°31'	15°23'	27°17'	27°58'	4°46'	17°46'	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s54	12n43	3s33	15s12	2n20	24s23	0s56	11s50	0n45	1n56	1n12	12n 5	1n30	15n 1	0n43	6s59
M 2	22 3	9 43	2 43	15 34	2 15	24 26	0 58	12 4	0 44	1 53	1 12	12 5	1 30	15 1	0 43	7 0
T 3	22 11	6 18	1 47	15 58	2 9	24 29	1 0	12 18	0 44	1 51	1 13	12 4	1 30	15 1	0 43	7 0
W 4	22 20	2 33	0 44	16 22	2 3	24 31	1 2	12 32	0 43	1 48	1 13	12 4	1 30	15 1	0 43	7 1
T 5	22 27	1s23	0n22	16 46	1 56	24 33	1 4	12 45	0 43	1 45	1 13	12 4	1 31	15 1	0 43	7 1
F 6	22 35	5 22	1 18	17 11	1 49	24 33	1 6	12 59	0 42	1 43	1 13	12 4	1 31	15 2	0 43	7 2
S 7	22 41	9 14	2 33	17 37	1 42	24 33	1 8	13 12	0 42	1 40	1 14	12 4	1 31	15 2	0 44	7 2
S 8	22 48	12 45	3 30	18 2	1 35	24 32	1 10	13 25	0 42	1 38	1 14	12 4	1 31	15 2	0 44	7 3
M 9	22 54	15 38	4 17	18 27	1 28	24 30	1 12	13 39	0 41	1 36	1 14	12 4	1 32	15 2	0 44	7 3
T 10	22 59	17 37	4 48	18 52	1 20	24 28	1 14	13 52	0 41	1 33	1 14	12 4	1 32	15 3	0 44	7 4
W11	23 4	18 28	5 0	19 17	1 13	24 25	1 15	14 5	0 40	1 31	1 15	12 4	1 32	15 3	0 44	7 4
T 12	23 9	18 1	4 52	19 41	1 5	24 21	1 17	14 18	0 40	1 29	1 15	12 5	1 32	15 3	0 44	7 5
F 13	23 13	16 20	4 25	20 5	0 57	24 16	1 19	14 31	0 39	1 27	1 15	12 5	1 33	15 3	0 44	7 5
S 14	23 17	13 35	3 39	20 28	0 50	24 11	1 20	14 43	0 39	1 25	1 15	12 5	1 33	15 4	0 44	7 6
S 15	23 20	10 2	2 40	20 50	0 42	24 5	1 22	14 56	0 38	1 23	1 16	12 5	1 33	15 4	0 44	7 6
M16	23 23	5 58	1 32	21 12	0 34	23 58	1 23	15 8	0 38	1 21	1 16	12 6	1 33	15 5	0 44	7 6
T 17	23 25	1 40	0 21	21 33	0 27	23 50	1 25	15 21	0 37	1 19	1 16	12 6	1 34	15 5	0 44	7 7
W18	23 27	2n37	0s51	21 53	0 19	23 42	1 26	15 33	0 37	1 17	1 16	12 7	1 34	15 5	0 44	7 7
T 19	23 28	6 40	1 57	22 12	0 12	23 33	1 27	15 45	0 36	1 15	1 17	12 7	1 34	15 6	0 44	7 8
F 20	23 29	10 19	2 57	22 30	0 5	23 23	1 29	15 57	0 36	1 13	1 17	12 8	1 34	15 6	0 44	7 8
S 21	23 29	13 26	3 46	22 47	0s 3	23 12	1 30	16 9	0 35	1 12	1 17	12 8	1 34	15 7	0 44	7 8
S 22	23 29	15 53	4 24	23 3	0 10	23 1	1 31	16 21	0 35	1 10	1 17	12 9	1 35	15 7	0 44	7 9
M23	23 28	17 33	4 48	23 18	0 17	22 49	1 32	16 33	0 34	1 9	1 18	12 9	1 35	15 8	0 44	7 9
T 24	23 27	18 24	4 59	23 32	0 24	22 36	1 33	16 45	0 34	1 7	1 18	12 10	1 35	15 8	0 44	7 9
W25	23 26	18 23	4 56	23 45	0 30	22 23	1 34	16 56	0 33	1 6	1 18	12 11	1 35	15 9	0 44	7 10
T 26	23 24	17 33	4 40	23 57	0 37	22 9	1 35	17 7	0 33	1 5	1 18	12 11	1 36	15 9	0 44	7 10
F 27	23 21	15 57	4 12	24 7	0 43	21 55	1 36	17 19	0 32	1 4	1 19	12 12	1 36	15 10	0 44	7 10
S 28	23 18	13 42	3 32	24 16	0 50	21 39	1 36	17 30	0 32	1 2	1 19	12 13	1 36	15 10	0 44	7 11
S 29	23 15	10 52	2 44	24 24	0 56	21 23	1 37	17 41	0 31	1 1	1 19	12 14	1 36	15 11	0 44	7 11
M30	23 11	7 36	1 48	24 31	1 2	21 7	1 38	17 52	0 30	1 0	1 20	12 15	1 37	15 11	0 44	7 11
T 31	23s 7	4n 1	0s48	24s36	1s 7	20s50	1s38	18s 2	0n30	1n 0	1n20	12n16	1n37	15n12	0n44	7s11

Julian Day Number = 2314548.5, Delta T = 62.17 sec
Ecliptic obliquity = 23°29'07", Nutation = - 0°00'01", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'19", Lahiri = 18°37'19"Greg. Calendar