



Astrodienst Ephemeris Tables for the year 1600

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 1600
geocentric

JANUARY 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 25	9♂59'07	14♂47	17♂28	17°R57	17°R29	20°R54	27♂23	27°R14	27°R43	21°R17	0°R24	1♂30	7♂20	3°R38	S 1
S 2	6 43 22	11° 0'16	27°54	19° 7	17♂45	17♂19	20♂50	27°27	27♂14	27♂42	21♂17	0°D23	1°27	7°27	3♂34	S 2
M 3	6 47 18	12° 1'24	10♂42	20°46	17°35	17° 8	20°45	27°30	27°14	27°41	21°17	0♂23	1°23	7°33	3°30	M 3
T 4	6 51 15	13° 2'33	23°13	22°26	17°27	16°56	20°40	27°34	27°14	27°40	21°17	0°25	1°20	7°40	3°26	T 4
W 5	6 55 11	14° 3'41	5♂29	24° 5	17°22	16°44	20°35	27°37	27°14	27°39	21°D17	0°26	1°17	7°47	3°22	W 5
T 6	6 59 8	15° 4'50	17°33	25°45	17°19	16°30	20°30	27°40	27°D14	27°38	21°17	0°27	1°14	7°53	3°18	T 6
F 7	7 3 5	16° 5'58	29°28	27°24	17°D19	16°16	20°24	27°44	27°14	27°37	21°17	0°29	1°11	8° 0	3°14	F 7
S 8	7 7 1	17° 7'06	11♂20	29° 4	17°21	16° 1	20°19	27°47	27°14	27°36	21°17	0°29	1° 7	8° 7	3° 9	S 8
S 9	7 10 58	18° 8'14	23°13	0♂43	17°26	15°46	20°13	27°50	27°14	27°35	21°17	0°R29	1° 4	8°14	3° 5	S 9
M10	7 14 54	19° 9'22	5♂12	2°22	17°33	15°30	20° 7	27°52	27°14	27°33	21°17	0°29	1° 1	8°20	3° 1	M10
T 11	7 18 51	20°10'30	17°22	4° 0	17°42	15°13	20° 1	27°55	27°14	27°32	21°17	0°28	0°58	8°27	2°56	T 11
W12	7 22 47	21°11'37	29°45	5°38	17°54	14°55	19°55	27°58	27°15	27°31	21°17	0°26	0°55	8°34	2°52	W12
T 13	7 26 44	22°12'44	12♂27	7°14	18° 7	14°36	19°49	28° 1	27°15	27°30	21°17	0°25	0°52	8°40	2°48	T 13
F 14	7 30 40	23°13'51	25°29	8°49	18°23	14°17	19°43	28° 3	27°15	27°28	21°18	0°24	0°48	8°47	2°43	F 14
S 15	7 34 37	24°14'58	8♂51	10°23	18°41	13°58	19°36	28° 5	27°16	27°27	21°18	0°24	0°45	8°54	2°39	S 15
S 16	7 38 34	25°16'03	22°32	11°54	19° 1	13°38	19°29	28° 8	27°16	27°26	21°18	0°23	0°42	9° 1	2°34	S 16
M17	7 42 30	26°17'08	6♂31	13°23	19°23	13°17	19°23	28°10	27°17	27°24	21°18	0°D23	0°39	9° 7	2°30	M17
T 18	7 46 27	27°18'12	20°43	14°48	19°46	12°56	19°16	28°12	27°18	27°23	21°19	0°23	0°36	9°14	2°25	T 18
W19	7 50 23	28°19'15	5♂3	16°11	20°12	12°34	19° 9	28°14	27°18	27°21	21°19	0°24	0°32	9°21	2°21	W19
T 20	7 54 20	29°20'17	19°28	17°29	20°39	12°12	19° 2	28°16	27°19	27°20	21°19	0°24	0°29	9°27	2°16	T 20
F 21	7 58 16	0♂21'18	3♂51	18°41	21° 7	11°49	18°55	28°18	27°20	27°19	21°20	0°R24	0°26	9°34	2°12	F 21
S 22	8 2 13	1°22'18	18°11	19°49	21°38	11°26	18°47	28°19	27°21	27°17	21°20	0°24	0°23	9°41	2° 7	S 22
S 23	8 6 10	2°23'17	2♂22	20°49	22° 9	11° 3	18°40	28°21	27°21	27°16	21°20	0°D24	0°20	9°48	2° 2	S 23
M24	8 10 6	3°24'14	16°24	21°43	22°43	10°40	18°33	28°22	27°22	27°14	21°21	0°24	0°17	9°54	1°58	M24
T 25	8 14 3	4°25'11	0♂14	22°28	23°17	10°16	18°25	28°24	27°23	27°13	21°21	0°24	0°13	10° 1	1°53	T 25
W26	8 17 59	5°26'05	13°52	23° 4	23°53	9°52	18°18	28°25	27°24	27°11	21°22	0°25	0°10	10° 8	1°49	W26
T 27	8 21 56	6°26'59	27°18	23°31	24°31	9°29	18°10	28°26	27°25	27°10	21°22	0°25	0° 7	10°14	1°44	T 27
F 28	8 25 52	7°27'51	10♂31	23°47	25° 9	9° 5	18° 2	28°27	27°27	27° 8	21°23	0°26	0° 4	10°21	1°40	F 28
S 29	8 29 49	8°28'43	23°31	23°R53	25°49	8°41	17°55	28°28	27°28	27° 7	21°23	0°26	0° 1	10°28	1°35	S 29
S 30	8 33 45	9°29'32	6♂18	23°47	26°30	8°17	17°47	28°29	27°29	27° 5	21°24	0°R26	29♂58	10°35	1°31	S 30
M31	8 37 42	10♂30'21	18♂53	23♂31	27♂12	7♂53	17♂39	28♂30	27♂30	27♂ 3	21♂24	0♂26	29♂54	10♂41	1♂26	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	23s 7	24n 5	1n25	24s27	2s 7	18s 9	4n49	19n15	3n49	15n27	0n57	8s17	2n26	10n 1	0s31	12n51
S 2	23 2	20 51	0 14	24 14	2 8	18 1	4 56	19 21	3 51	15 29	0 57	8 18	2 27	10 1	0 31	12 52
M 3	22 57	16 41	0s57	23 59	2 7	17 53	5 2	19 26	3 53	15 31	0 57	8 19	2 27	10 1	0 31	12 52
T 4	22 51	11 52	2 3	23 42	2 7	17 47	5 8	19 32	3 56	15 33	0 58	8 20	2 27	10 1	0 31	12 52
W 5	22 45	6 42	3 2	23 24	2 6	17 41	5 14	19 38	3 58	15 34	0 58	8 21	2 27	10 1	0 31	12 53
T 6	22 38	1 22	3 52	23 5	2 4	17 36	5 18	19 44	4 0	15 36	0 58	8 22	2 28	10 1	0 31	12 53
F 7	22 31	3s56	4 31	22 43	2 2	17 32	5 22	19 51	4 2	15 38	0 58	8 23	2 28	10 1	0 31	12 54
S 8	22 24	9 5	4 59	22 20	1 59	17 29	5 26	19 57	4 5	15 40	0 58	8 24	2 28	10 1	0 31	12 54
S 9	22 16	13 54	5 14	21 56	1 56	17 26	5 29	20 4	4 7	15 42	0 59	8 25	2 28	10 2	0 31	12 54
M10	22 7	18 14	5 15	21 30	1 52	17 24	5 32	20 11	4 9	15 44	0 59	8 26	2 29	10 2	0 31	12 55
T 11	21 58	21 53	5 3	21 2	1 48	17 23	5 34	20 18	4 11	15 46	0 59	8 26	2 29	10 2	0 31	12 55
W12	21 49	24 38	4 36	20 33	1 42	17 22	5 35	20 25	4 13	15 49	0 59	8 27	2 29	10 2	0 31	12 56
T 13	21 39	26 14	3 55	20 3	1 36	17 22	5 36	20 32	4 15	15 51	0 59	8 28	2 29	10 2	0 31	12 56
F 14	21 29	26 26	3 2	19 32	1 29	17 23	5 37	20 40	4 16	15 53	1 0	8 28	2 30	10 2	0 31	12 57
S 15	21 19	25 8	1 57	18 59	1 22	17 24	5 38	20 47	4 18	15 55	1 0	8 29	2 30	10 2	0 31	12 57
S 16	21 8	22 19	0 43	18 26	1 13	17 26	5 38	20 55	4 20	15 57	1 0	8 30	2 30	10 3	0 31	12 58
M17	20 56	18 8	0n34	17 52	1 4	17 28	5 37	21 2	4 21	16 0	1 0	8 30	2 30	10 3	0 31	12 58
T 18	20 45	12 53	1 50	17 17	0 54	17 30	5 37	21 10	4 23	16 2	1 0	8 31	2 31	10 3	0 31	12 59
W19	20 33	6 53	3 1	16 42	0 42	17 33	5 36	21 17	4 24	16 4	1 1	8 31	2 31	10 3	0 31	12 59
T 20	20 20	0 30	4 0	16 7	0 30	17 36	5 34	21 25	4 25	16 7	1 1	8 32	2 31	10 4	0 31	13 0
F 21	20 7	5n53	4 44	15 32	0 17	17 39	5 33	21 32	4 26	16 9	1 1	8 32	2 31	10 4	0 31	13 0
S 22	19 54	11 55	5 10	14 58	0 4	17 43	5 31	21 40	4 27	16 12	1 1	8 32	2 32	10 4	0 31	13 1
S 23	19 40	17 16	5 17	14 25	0n11	17 47	5 29	21 47	4 28	16 14	1 1	8 33	2 32	10 5	0 31	13 1
M24	19 26	21 38	5 5	13 53	0 26	17 51	5 27	21 55	4 29	16 17	1 1	8 33	2 32	10 5	0 31	13 2
T 25	19 12	24 44	4 35	13 23	0 42	17 56	5 24	22 2	4 30	16 19	1 2	8 33	2 33	10 5	0 31	13 2
W26	18 57	26 20	3 51	12 56	0 59	18 0	5 21	22 9	4 31	16 22	1 2	8 33	2 33	10 6	0 31	13 3
T 27	18 42	26 21	2 54	12 31	1 16	18 5	5 18	22 16	4 31	16 24	1 2	8 34	2 33	10 6	0 31	13 3
F 28	18 27	24 52	1 48	12 9	1 33	18 9	5 15	22 23	4 32	16 27	1 2	8 34	2 33	10 7	0 31	13 4
S 29	18 11	22 4	0 38	11 51	1 51	18 14	5 12	22 30	4 32	16 29	1 2	8 34	2 34	10 7	0 30	13 5
S 30	17 55	18 13	0s32	11 37	2 8	18 19	5 8	22 37	4 32	16 32	1 2	8 34	2 34	10 8	0 30	13 5
M31	17s39	13n37	1s40	11s26	2n24	18s23	5n 4	22n43	4n32	16n34	1n 3	8s34	2n34	10n 8	0s30	13n 6

Julian Day Number = 2305447.5, Delta T = 88.81 sec
Ecliptic obliquity = 23°29'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'28, Lahiri = 18°16'28Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1600
geocentric

FEBRUARY 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 41 39	11 ³¹ 08	1 ¹¹ 15	23°R 3	27 ²⁷ 56	7°R29	17°R31	28 ²⁸ 31	27 ²⁷ 32	27°R 2	21 ²¹ 25	0°R24	29 ²⁹ 51	10 ¹⁰ 48	1°R22	T 1
W 2	8 45 35	12°31'54	13°26	22 ²² 26	28°40	7 ⁷ Ω 5	17 ¹⁷ Ω23	28°31	27°33	27 ²⁷ Ω 0	21°25	0 ⁰ 23	29°48	10°55	1 ¹ Ω17	W 2
T 3	8 49 32	13°32'39	25°27	21°39	29°25	6°42	17°15	28°32	27°34	26°59	21°26	0°21	29°45	11° 1	1°13	T 3
F 4	8 53 28	14°33'23	7 ⁷ Ω23	20°44	0 ⁰ Ω11	6°18	17° 8	28°32	27°36	26°57	21°27	0°19	29°42	11° 8	1° 8	F 4
S 5	8 57 25	15°34'06	19°15	19°42	0°58	5°55	17° 0	28°32	27°37	26°55	21°27	0°17	29°38	11°15	1° 4	S 5
S 6	9 1 21	16°34'48	1 ¹ Ω 7	18°36	1°46	5°33	16°52	28°32	27°39	26°54	21°28	0°15	29°35	11°22	1° 0	S 6
M 7	9 5 18	17°35'28	13° 5	17°26	2°35	5°11	16°44	28°R32	27°40	26°52	21°29	0°D15	29°32	11°28	0°55	M 7
T 8	9 9 14	18°36'08	25°11	16°16	3°25	4°49	16°36	28°32	27°42	26°50	21°29	0°15	29°29	11°35	0°51	T 8
W 9	9 13 11	19°36'46	7 ⁷ Ω32	15° 7	4°15	4°27	16°28	28°32	27°44	26°49	21°30	0°15	29°26	11°42	0°47	W 9
T 10	9 17 8	20°37'23	20°12	14° 0	5° 6	4° 6	16°20	28°32	27°46	26°47	21°31	0°17	29°23	11°48	0°43	T 10
F 11	9 21 4	21°37'59	3 ³ Ω13	12°58	5°58	3°46	16°12	28°31	27°47	26°45	21°32	0°18	29°19	11°55	0°38	F 11
S 12	9 25 1	22°38'34	16°39	12° 0	6°51	3°26	16° 4	28°31	27°49	26°44	21°32	0°20	29°16	12° 2	0°34	S 12
S 13	9 28 57	23°39'07	0 ⁰ Ω31	11° 9	7°44	3° 7	15°56	28°30	27°51	26°42	21°33	0°R20	29°13	12° 9	0°30	S 13
M14	9 32 54	24°39'39	14°47	10°25	8°38	2°48	15°48	28°29	27°53	26°40	21°34	0°20	29°10	12°15	0°26	M14
T 15	9 36 50	25°40'09	29°22	9°48	9°32	2°30	15°41	28°29	27°55	26°39	21°35	0°18	29° 7	12°22	0°22	T 15
W16	9 40 47	26°40'38	14 ¹⁴ Ω10	9°19	10°27	2°12	15°33	28°28	27°57	26°37	21°36	0°15	29° 4	12°29	0°19	W16
T 17	9 44 43	27°41'05	29° 4	8°57	11°23	1°56	15°25	28°27	27°59	26°35	21°37	0°11	29° 0	12°35	0°15	T 17
F 18	9 48 40	28°41'29	13 ¹³ Ω55	8°43	12°19	1°40	15°18	28°26	28° 1	26°34	21°37	0° 7	28°57	12°42	0°11	F 18
S 19	9 52 37	29°41'52	28°35	8°35	13°15	1°24	15°10	28°24	28° 3	26°32	21°38	0° 3	28°54	12°49	0° 7	S 19
S 20	9 56 33	0 ⁰ Ω42'13	12 ¹² Ω59	8°D35	14°12	1°10	15° 3	28°23	28° 5	26°30	21°39	0° 0	28°51	12°56	0° 4	S 20
M21	10 0 30	1°42'32	27° 5	8°41	15°10	0°56	14°55	28°22	28° 8	26°29	21°40	29°D59	28°48	13° 2	0° 0	M21
T 22	10 4 26	2°42'50	10 ¹⁰ Ω49	8°54	16° 8	0°43	14°48	28°20	28°10	26°27	21°41	29 ²⁹ Ω59	28°44	13° 9	29 ²⁹ Ω57	T 22
W23	10 8 23	3°43'05	24°15	9°12	17° 6	0°30	14°41	28°18	28°12	26°25	21°42	0 ⁰ Ω 1	28°41	13°16	29°53	W23
T 24	10 12 19	4°43'17	7 ⁷ Ω22	9°35	18° 5	0°19	14°34	28°17	28°15	26°24	21°43	0° 2	28°38	13°23	29°50	T 24
F 25	10 16 16	5°43'28	20°14	10° 4	19° 5	0° 8	14°27	28°15	28°17	26°22	21°44	0° 4	28°35	13°29	29°46	F 25
S 26	10 20 12	6°43'37	2 ² Ω53	10°37	20° 4	29 ²⁹ Ω58	14°20	28°13	28°19	26°20	21°45	0°R 4	28°32	13°36	29°43	S 26
S 27	10 24 9	7°43'44	15°20	11°15	21° 4	29°49	14°13	28°11	28°22	26°19	21°46	0° 3	28°29	13°43	29°40	S 27
M28	10 28 6	8°43'49	27°38	11°57	22° 5	29°41	14° 7	28° 9	28°24	26°17	21°47	29 ²⁹ Ω59	28°25	13°49	29°37	M28
T 29	10 32 2	9 ⁹ Ω43'51	9 ⁹ Ω48	12 ¹² Ω43	23 ²³ Ω 6	29 ²⁹ Ω33	14 ¹⁴ Ω 0	28 ²⁸ Ω 7	28 ²⁸ Ω27	26 ²⁶ Ω15	21 ²¹ Ω48	29 ²⁹ Ω54	28 ²⁸ Ω22	13 ¹³ Ω56	29 ²⁹ Ω34	T 29

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	
T 1	17s22	8n32 2s42	11s20 2n40	18s28 5n 1	22n49 4n32	16n37 1n 3	8s34 2n34	10n 9 0s30	13n 6 0n37	7s20 16s55	20s 6 20s14	8s45 12n23	7s42			
W 2	17 5 3 12	3 36 11 19	2 55 18 33	4 57 22 55	4 32 16 39	1 3 8 34	2 35 10 9	0 30 13 7	0 37 7 19	16 54 20 7	20 14 8 48	12 24 7 42				
T 3	16 48 2s 9	4 19 11 21	3 8 18 37	4 52 23 1	4 32 16 42	1 3 8 34	2 35 10 10	0 30 13 7	0 37 7 19	16 54 20 7	20 15 8 51	12 26 7 41				
F 4	16 30 7 23	4 51 11 28	3 20 18 41	4 48 23 7	4 31 16 44	1 3 8 34	2 35 10 10	0 30 13 8	0 37 7 18	16 54 20 8	20 16 8 54	12 27 7 41				
S 5	16 12 12 19	5 10 11 38	3 29 18 46	4 44 23 12	4 31 16 47	1 3 8 33	2 35 10 11	0 30 13 9	0 37 7 17	16 53 20 8	20 16 8 57	12 28 7 41				
S 6	15 54 16 49	5 16 11 52	3 36 18 50	4 39 23 18	4 30 16 49	1 3 8 33	2 36 10 11	0 30 13 9	0 37 7 17	16 53 20 8	20 17 9 0	12 29 7 41				
M 7	15 36 20 41	5 8 12 8	3 41 18 53	4 35 23 22	4 30 16 52	1 3 8 33	2 36 10 12	0 30 13 10	0 37 7 16	16 53 20 9	20 18 9 3	12 30 7 40				
T 8	15 17 23 44	4 46 12 26	3 43 18 57	4 30 23 27	4 29 16 54	1 3 8 33	2 36 10 13	0 30 13 10	0 37 7 16	16 52 20 9	20 18 9 6	12 31 7 40				
W 9	14 58 25 45	4 11 12 47	3 43 19 0	4 25 23 32	4 28 16 57	1 4 8 32	2 36 10 13	0 30 13 11	0 37 7 15	16 52 20 8	20 19 9 9	12 32 7 40				
T 10	14 39 26 31	3 24 13 8	3 41 19 4	4 20 23 36	4 27 16 59	1 4 8 32	2 37 10 14	0 30 13 11	0 37 7 15	16 52 20 8	20 20 9 11	12 34 7 39				
F 11	14 20 25 51	2 24 13 29	3 37 19 6	4 15 23 40	4 26 17 2	1 4 8 32	2 37 10 15	0 30 13 12	0 37 7 14	16 51 20 8	20 20 9 14	12 35 7 39				
S 12	14 0 23 41	1 15 13 51	3 31 19 9	4 10 23 43	4 25 17 4	1 4 8 31	2 37 10 15	0 30 13 13	0 37 7 14	16 51 20 8	20 21 9 17	12 36 7 39				
S 13	13 40 20 4	0n 1 14 13	3 23 19 11	4 5 23 47	4 24 17 7	1 4 8 31	2 38 10 16	0 30 13 13	0 37 7 13	16 51 20 7	20 22 9 20	12 37 7 38				
M14	13 20 15 11	1 19 14 33	3 14 19 13	4 0 23 50	4 23 17 9	1 4 8 30	2 38 10 17	0 30 13 14	0 37 7 12	16 50 20 8	20 22 9 23	12 38 7 38				
T 15	13 0 9 20	2 33 14 53	3 3 19 15	3 55 23 53	4 21 17 11	1 4 8 30	2 38 10 17	0 30 13 14	0 37 7 12	16 50 20 8	20 23 9 26	12 39 7 38				
W16	12 39 2 54	3 38 15 12	2 52 19 16	3 49 23 56	4 20 17 14	1 4 8 29	2 38 10 18	0 30 13 15	0 37 7 11	16 50 20 9	20 24 9 29	12 41 7 37				
T 17	12 18 3n44	4 28 15 29	2 40 19 17	3 44 23 58	4 18 17 16	1 4 8 29	2 39 10 19	0 30 13 16	0 37 7 11	16 49 20 9	20 24 9 32	12 42 7 37				
F 18	11 57 10 7	5 1 15 45	2 28 19 18	3 39 24 0	4 17 17 18	1 4 8 28	2 39 10 20	0 30 13 16	0 37 7 10	16 49 20 10	20 25 9 34	12 43 7 36				
S 19	11 36 15 51	5 13 15 59	2 15 19 18	3 33 24 2	4 15 17 21	1 4 8 27	2 39 10 20	0 30 13 17	0 37 7 9	16 49 20 11	20 26 9 37	12 44 7 36				
S 20	11 15 20 37	5 5 16 12	2 2 19 17	3 28 24 4	4 13 17 23	1 4 8 27	2 39 10 21	0 30 13 17	0 37 7 9	16 49 20 12	20 26 9 40	12 45 7 36				
M21	10 53 24 4	4 39 16 23	1 49 19 17	3 22 24 5	4 12 17 25	1 4 8 26	2 39 10 22	0 30 13 18	0 37 7 8	16 48 20 12	20 27 9 43	12 47 7 35				
T 22	10 32 26 2	3 57 16 32	1 35 19 16	3 17 24 6	4 10 17 27	1 4 8 25	2 40 10 23	0 30 13 18	0 37 7 8	16 48 20 12	20 27 9 46	12 48 7 35				
W23	10 10 26 25	3 3 16 40	1 22 19 14	3 11 24 7	4 8 17 29	1 4 8 24	2 40 10 24	0 30 13 19	0 37 7 7	16 48 20 12	20 28 9 49	12 49 7 34				
T 24	9 48 25 18	2 1 16 47	1 9 19 12	3 6 24 8	4 6 17 31	1 4 8 23	2 40 10 25	0 30 13 20	0 37 7 6	16 48 20 11	20 29 9 52	12 50 7 34				
F 25	9 26 22 51	0 53 16 51	0 57 19 10	3 0 24 9	4 4 17 34	1 4 8 23	2 40 10 26	0 30 13 20	0 37 7 6	16 47 20 11	20 29 9 54	12 51 7 33				
S 26	9 4 19 19	0s15 16 54	0 44 19 7	2 54 24 9	4 2 17 36	1 4 8 22	2 41 10 26	0 30 13 21	0 37 7 5	16 47 20 11	20 30 9 57	12 52 7 33				
S 27	8 41 14 58	1 22 16 55	0 32 19 3	2 49 24 9	4 0 17 38	1 4 8 21	2 41 10 27	0 30 13 21	0 37 7 5	16 47 20 11	20 31 10 0	12 54 7 32				
M28	8 19 10 4	2 24 16 55	0 20 19 0	2 43 24 9	3 58 17 40	1 4 8 20	2 41 10 28	0 30 13 22	0 37 7 4	16 46 20 12	20 31 10 3	12 55 7 32				
T 29	7s56 4n51	3s19 16s53	0n 9 18s55	2n38 24n 8	3n56 17n41	1n 4 8s19	2n41 10n29	0s30 13n22	0n37 7s 3	16s46 20s13	20s32 10s 6	12n56 7s31				

Julian Day Number = 2305478.5, Delta T = 88.69 sec
Ecliptic obliquity = 23°29'33", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'32", Lahiri = 18°16'33"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1600
geocentric

MARCH 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 35 59	10 ^h 43'52	21 ^m 51	13 ^s 32	24 ^h 37	29 ^m 26	13 ^s 54	28 ^m 4	28 ^m 29	26 ^m 14	21 ^m 49	29 ^m 48	28 ^m 19	14 ^m 3	29 ^m 31	W 1
T 2	10 39 55	11 ^h 43'51	3 ^m 49	14 ^s 24	25 ^m 8	29 ^m 20	13 ^s 47	28 ^m 2	28 ^m 32	26 ^m 12	21 ^m 51	29 ^m 40	28 ^m 16	14 ^m 10	29 ^m 28	T 2
F 3	10 43 52	12 ^h 43'48	15 ^m 42	15 ^s 20	26 ^m 10	29 ^m 15	13 ^s 41	28 ^m 0	28 ^m 34	26 ^m 11	21 ^m 52	29 ^m 31	28 ^m 13	14 ^m 16	29 ^m 26	F 3
S 4	10 47 48	13 ^h 43'44	27 ^m 34	16 ^s 18	27 ^m 13	29 ^m 11	13 ^s 35	27 ^m 57	28 ^m 37	26 ^m 9	21 ^m 53	29 ^m 23	28 ^m 10	14 ^m 23	29 ^m 23	S 4
S 5	10 51 45	14 ^h 43'38	9 ^m 27	17 ^s 19	28 ^m 15	29 ^m 7	13 ^s 29	27 ^m 54	28 ^m 40	26 ^m 7	21 ^m 54	29 ^m 16	28 ^m 6	14 ^m 30	29 ^m 21	S 5
M 6	10 55 41	15 ^h 43'30	21 ^m 24	18 ^s 23	29 ^m 18	29 ^m 4	13 ^s 23	27 ^m 52	28 ^m 43	26 ^m 6	21 ^m 55	29 ^m 11	28 ^m 3	14 ^m 36	29 ^m 18	M 6
T 7	10 59 38	16 ^h 43'20	3 ^m 28	19 ^s 29	0 ^m 21	29 ^m 2	13 ^s 18	27 ^m 49	28 ^m 45	26 ^m 4	21 ^m 56	29 ^m 8	28 ^m 0	14 ^m 43	29 ^m 16	T 7
W 8	11 3 34	17 ^h 43'09	15 ^m 45	20 ^s 37	1 ^m 24	29 ^m 1	13 ^s 12	27 ^m 46	28 ^m 48	26 ^m 3	21 ^m 57	29 ^m D 7	27 ^m 57	14 ^m 50	29 ^m 13	W 8
T 9	11 7 31	18 ^h 42'56	28 ^m 19	21 ^s 47	2 ^m 28	29 ^m D 0	13 ^s 7	27 ^m 43	28 ^m 51	26 ^m 1	21 ^m 59	29 ^m 7	27 ^m 54	14 ^m 57	29 ^m 11	T 9
F 10	11 11 28	19 ^h 42'41	11 ^m 35	23 ^s 0	3 ^m 32	29 ^m 0	13 ^s 2	27 ^m 40	28 ^m 54	26 ^m 0	22 ^m 0	29 ^m 9	27 ^m 50	15 ^m 3	29 ^m 9	F 10
S 11	11 15 24	20 ^h 42'24	24 ^m 36	24 ^s 14	4 ^m 36	29 ^m 1	12 ^s 57	27 ^m 37	28 ^m 57	25 ^m 58	22 ^m 1	29 ^m R 9	27 ^m 47	15 ^m 10	29 ^m 7	S 11
S 12	11 19 21	21 ^h 42'06	8 ^m 25	25 ^s 30	5 ^m 40	29 ^m 2	12 ^s 52	27 ^m 34	28 ^m 59	25 ^m 57	22 ^m 2	29 ^m 9	27 ^m 44	15 ^m 17	29 ^m 5	S 12
M13	11 23 17	22 ^h 41'46	22 ^m 43	26 ^s 48	6 ^m 45	29 ^m 5	12 ^s 47	27 ^m 30	29 ^m 2	25 ^m 55	22 ^m 3	29 ^m 7	27 ^m 41	15 ^m 23	29 ^m 3	M13
T 14	11 27 14	23 ^h 41'24	7 ^m 26	28 ^s 8	7 ^m 50	29 ^m 8	12 ^s 42	27 ^m 27	29 ^m 5	25 ^m 54	22 ^m 5	29 ^m 2	27 ^m 38	15 ^m 30	29 ^m 2	T 14
W15	11 31 10	24 ^h 41'00	22 ^m 30	29 ^s 30	8 ^m 55	29 ^m 11	12 ^s 38	27 ^m 24	29 ^m 8	25 ^m 52	22 ^m 6	28 ^m 55	27 ^m 35	15 ^m 37	29 ^m 0	W15
T 16	11 35 7	25 ^h 40'34	7 ^m 43	0 ^m 53	10 ^m 0	29 ^m 16	12 ^s 34	27 ^m 20	29 ^m 11	25 ^m 51	22 ^m 7	28 ^m 47	27 ^m 31	15 ^m 44	28 ^m 59	T 16
F 17	11 39 3	26 ^h 40'05	22 ^m 56	2 ^s 17	11 ^m 5	29 ^m 21	12 ^s 30	27 ^m 17	29 ^m 14	25 ^m 50	22 ^m 8	28 ^m 38	27 ^m 28	15 ^m 50	28 ^m 57	F 17
S 18	11 43 0	27 ^h 39'35	7 ^m 59	3 ^s 43	12 ^m 11	29 ^m 26	12 ^s 26	27 ^m 13	29 ^m 17	25 ^m 48	22 ^m 10	28 ^m 30	27 ^m 25	15 ^m 57	28 ^m 56	S 18
S 19	11 46 57	28 ^h 39'03	22 ^m 41	5 ^s 11	13 ^m 17	29 ^m 33	12 ^s 22	27 ^m 9	29 ^m 20	25 ^m 47	22 ^m 11	28 ^m 23	27 ^m 22	16 ^m 4	28 ^m 55	S 19
M20	11 50 53	29 ^h 38'28	6 ^m 15	6 ^s 40	14 ^m 22	29 ^m 40	12 ^s 19	27 ^m 6	29 ^m 23	25 ^m 45	22 ^m 12	28 ^m 19	27 ^m 19	16 ^m 10	28 ^m 54	M20
T 21	11 54 50	0 ^m 37'51	20 ^m 50	8 ^s 10	15 ^m 29	29 ^m 47	12 ^s 15	27 ^m 2	29 ^m 27	25 ^m 44	22 ^m 14	28 ^m 16	27 ^m 15	16 ^m 17	28 ^m 53	T 21
W22	11 58 46	1 ^h 37'11	4 ^m 15	9 ^s 42	16 ^m 35	29 ^m 55	12 ^s 12	26 ^m 58	29 ^m 30	25 ^m 43	22 ^m 15	28 ^m D16	27 ^m 12	16 ^m 24	28 ^m 52	W22
T 23	12 2 43	2 ^h 36'29	17 ^m 17	11 ^s 16	17 ^m 41	0 ^m 4	12 ^s 9	26 ^m 54	29 ^m 33	25 ^m 42	22 ^m 16	28 ^m 16	27 ^m 9	16 ^m 31	28 ^m 51	T 23
F 24	12 6 39	3 ^h 35'45	29 ^m 59	12 ^s 51	18 ^m 48	0 ^m 14	12 ^s 6	26 ^m 50	29 ^m 36	25 ^m 40	22 ^m 18	28 ^m R17	27 ^m 6	16 ^m 37	28 ^m 50	F 24
S 25	12 10 36	4 ^h 34'58	12 ^m 25	14 ^s 27	19 ^m 55	0 ^m 24	12 ^s 4	26 ^m 46	29 ^m 39	25 ^m 39	22 ^m 19	28 ^m 16	27 ^m 3	16 ^m 44	28 ^m 50	S 25
S 26	12 14 32	5 ^h 34'09	24 ^m 39	16 ^s 4	21 ^m 2	0 ^m 34	12 ^s 1	26 ^m 42	29 ^m 42	25 ^m 38	22 ^m 20	28 ^m 13	27 ^m 0	16 ^m 51	28 ^m 49	S 26
M27	12 18 29	6 ^h 33'18	6 ^m 45	17 ^s 44	22 ^m 9	0 ^m 45	11 ^s 59	26 ^m 38	29 ^m 46	25 ^m 37	22 ^m 22	28 ^m 7	26 ^m 56	16 ^m 58	28 ^m 49	M27
T 28	12 22 26	7 ^h 32'25	18 ^m 45	19 ^s 24	23 ^m 16	0 ^m 57	11 ^s 57	26 ^m 34	29 ^m 49	25 ^m 36	22 ^m 23	27 ^m 58	26 ^m 53	17 ^m 4	28 ^m 48	T 28
W29	12 26 22	8 ^h 31'29	0 ^m 40	21 ^s 6	24 ^m 23	1 ^m 9	11 ^s 55	26 ^m 29	29 ^m 52	25 ^m 34	22 ^m 24	27 ^m 47	26 ^m 50	17 ^m 11	28 ^m 48	W29
T 30	12 30 19	9 ^h 30'32	12 ^m 34	22 ^s 49	25 ^m 31	1 ^m 22	11 ^s 54	26 ^m 25	29 ^m 55	25 ^m 33	22 ^m 26	27 ^m 34	26 ^m 47	17 ^m 18	28 ^m D48	T 30
F 31	12 34 15	10 ^h 29'32	24 ^m 27	24 ^s 34	26 ^m 38	1 ^m 35	11 ^s 52	26 ^m 21	29 ^m 59	25 ^m 32	22 ^m 27	27 ^m 31	26 ^m 44	17 ^m 24	28 ^m 48	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7s34	0s30	4s 4	16s50	0s 2	18s50	2n32	24n 8	3n54	17n43	1n 4	8s18	2n42	10n30	0s30	13n23	0n37	7s 3	16s46	20s14	20s33	10s 9	12n57	7s30					
T 2	7 11	5 46	4 38	16 45	0 13	18 45	2 26	24 7	3 52	17 45	1 4	8 17	2 42	10 31	0 30	13 24	0 37	7 2	16 46	20 16	20 33	10 11	12 58	7 30					
F 3	6 48	10 47	4 59	16 38	0 23	18 39	2 21	24 6	3 50	17 47	1 4	8 16	2 42	10 32	0 29	13 24	0 37	7 2	16 46	20 18	20 34	10 14	12 59	7 29					
S 4	6 25	15 25	5 8	16 31	0 33	18 33	2 15	24 5	3 48	17 49	1 4	8 15	2 42	10 33	0 29	13 25	0 37	7 1	16 45	20 19	20 35	10 17	13 0	7 29					
S 5	6 2	19 27	5 3	16 21	0 42	18 26	2 10	24 4	3 46	17 50	1 4	8 13	2 42	10 34	0 29	13 25	0 37	7 0	16 45	20 21	20 35	10 20	13 1	7 28					
M 6	5 38	22 44	4 45	16 10	0 51	18 19	2 4	24 2	3 44	17 52	1 4	8 12	2 43	10 35	0 29	13 26	0 37	7 0	16 45	20 22	20 36	10 23	13 3	7 27					
T 7	5 15	25 4	4 15	15 58	1 0	18 11	1 59	24 1	3 42	17 54	1 4	8 11	2 43	10 36	0 29	13 26	0 37	6 59	16 45	20 23	20 36	10 26	13 4	7 27					
W 8	4 52	26 15	3 32	15 44	1 8	18 3	1 53	23 59	3 39	17 55	1 4	8 10	2 43	10 37	0 29	13 27	0 37	6 58	16 44	20 23	20 37	10 28	13 5	7 26					
T 9	4 28	26 7	2 38	15 29	1 16	17 55	1 47	23 57	3 37	17 57	1 4	8 9	2 43	10 38	0 29	13 27	0 37	6 58	16 44	20 23	20 38	10 31	13 6	7 25					
F 10	4 5	24 36	1 35	15 12	1 24	17 45	1 42	23 55	3 35	17 58	1 4	8 7	2 43	10 39	0 29	13 28	0 37	6 57	16 44	20 23	20 38	10 34	13 7	7 25					
S 11	3 41	21 39	0 25	14 54	1 31	17 36	1 37	23 52	3 33	17 59	1 4	8 6	2 44	10 40	0 29	13 28	0 37	6 57	16 44	20 22	20 39	10 37	13 8	7 24					
S 12	3 18	17 24	0n50	14 34	1 37	17 25	1 31	23 50	3 31	18 1	1 4	8 5	2 44	10 41	0 29	13 29	0 37	6 56	16 44	20 22	20 40	10 40	13 9	7 23					
M13	2 54	12 2	2 3	14 13	1 43	17 15	1 26	23 47	3 29	18 2	1 4	8 4	2 44	10 42	0 29	13 29	0 37	6 55	16 43	20 23	20 40	10 42	13 10	7 23					
T 14	2 31	5 51	3 10	13 51	1 49	17 3	1 20	23 45	3 27	18 3	1 4	8 2	2 44	10 43	0 29	13 30	0 37	6 55	16 43	20 24	20 41	10 45	13 11	7 22					
W15	2 7	0n47	4 6	13 27	1 54	16 52	1 15	23 42	3 24	18 5	1 4	8 1	2 44	10 44	0 29	13 30	0 37	6 54	16 43	20 25	20 42	10 48	13 12	7 21					
T 16	1 43	7 25	4 44	13 2	1 59	16 39	1 10	23 39	3 22	18 6	1 4	7 59	2 44	10 45	0 29	13 31	0 37	6 54	16 43	20 27	20 42	10 51	13 13	7 21					
F 17	1 20	13 37	5 3	12 36	2 3	16 27	1 5	23 36	3 20	18 7	1 4	7 58	2 45	10 46	0 29	13 31	0 37	6 53	16 43	20 29	20 43	10 53	13 14	7 20					
S 18	0 56	18 56	5 0	12 8	2 7	16 14	1 0	23 32	3 18	18 8	1 4	7 57	2 45	10 47	0 29	13 32	0 37	6 52	16 43	20 30	20 43	10 56	13 15	7 19					
S 19	0 32	22 58	4 38	11 39	2 11	16 0	0 54	23 29	3 16	18 9	1 4	7 55	2 45	10 49	0 29	13 32	0 37	6 52	16 42	20 32	20 44	10 59	13 16	7 19					
M20	0 9	25 26	3 58	11 9	2 14	15 46	0 49	23 25	3 14	18 10	1 4	7 54	2 45	10 50	0 29	13 33	0 37	6 51	16 42	20 33	20 45	11 2	13 17	7 18					
T 21	0n15	26 16	3 6	10 38	2 16	15 31	0 44	23 22	3 12	18 11	1 4	7 52	2 45	10 51	0 29	13 33	0 37	6 51	16 42	20 33	20 45	11 5	13 18	7 17					
W22	0 39	25 30	2 4	10 5	2 18	15 16	0 39	23 18	3 10	18 11	1 4	7 51	2 45	10 52	0 29	13 34	0 37	6 50	16 42	20 33	20 46	11 7	13 19	7 16					
T 23	1 2	23 20	0 58	9 31	2 20	15 1	0 35	23 14	3 8	18 12	1 3	7 49	2 45	10 53	0 29	13 34	0 37	6 49	16 42	20 33	20 47	11 10	13 19	7 16					
F 24	1 26	20 3	0s 9	8 56	2 21	14 45	0 30	23 10	3 6	18 13	1 3	7 48	2 46	10 54	0 29	13 34	0 37	6 49	16 42	20 33	20 47	11 11	13 20	7 15					
S 25	1 50	15 55	1 15	8 19	2 22	14 29	0 25	23 6	3 6	18 14	1 3	7 46	2 46	10 55	0 29	13 35	0 37	6 48	16 42	20 33	20 48	11 16	13 21	7 14					
S 26	2 13	11 12	2 15	7 41	2 22	14 12	0 20	23 2	3 1	18 14	1 3	7 44	2 46	10 56	0 29	13 35	0 37	6 48	16 42	20 34	20 48	11 18	13 22	7 13					
M27	2 36	6 7	3 9	7 2	2 22	13 55	0 16	22 57	2 59	18 15	1 3	7 43	2 46	10 58	0 29	13 36	0 37	6 47	16 41	20 35	20 49	11 21	13 23	7 13					
T 28	3 0	0 52	3 54	6 22	2 21	13 37	0 11	22 53	2 57	18 15	1 3	7 41	2 46	10 59	0 29	13 36	0 37	6 46	16 41	20 37	20 50	11 24	13 24	7 12					
W29	3 23	4s22	4 28	5 41	2 20	13 19	0 6	22 48	2 56	18 16	1 3	7 40	2 46	11 0	0 29	13 36	0 37	6 46	16 41	20 39	20 50	11 27	13 24	7 11					
T 30	3 47	9 26	4 51	4 58	2 18	13 1	0 2	22 43	2 54	18 16	1 3	7 38	2 46	11 1	0 29	13 37	0 37	6 45	16 41	20 42	20 51	11 29	13 25	7 10					
F 31	4n10	14s 8	5s 0	4s15	2s16	12s42	0s 2	22n38	2n52	18n16	1n 3	7s36	2n46	11n 2	0s29	13n37	0n37	6s45	16s41	20s44	20s51	11s32	13n26	7s10					

ASTRODIENST EPHEMERIS for the year 1600
geocentric

APRIL 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 12	11°28'30	6♈20	26♈20	27♈46	1♈49	11°R51	26°R17	0♈ 2	25°R31	22°V28	27°R 7	26♈41	17♈31	28♈48	S 1
S 2	12 42 8	12°27'27	18°15	28° 8	28°54	2° 3	11♈50	26♈12	0° 5	25♈30	22°30	26♈56	26°37	17°38	28°49	S 2
M 3	12 46 5	13°26'21	0♈14	29°57	0♈ 2	2°17	11°49	26° 8	0° 9	25°29	22°31	26°46	26°34	17°45	28°49	M 3
T 4	12 50 1	14°25'14	12°21	1°Y48	1°10	2°33	11°48	26° 3	0°12	25°28	22°33	26°40	26°31	17°51	28°49	T 4
W 5	12 53 58	15°24'05	24°38	3°40	2°18	2°48	11°47	25°59	0°15	25°27	22°34	26°36	26°28	17°58	28°50	W 5
T 6	12 57 55	16°22'54	7♈10	5°34	3°27	3° 4	11°47	25°55	0°19	25°26	22°35	26°34	26°25	18° 5	28°51	T 6
F 7	13 1 51	17°21'42	20° 1	7°29	4°35	3°21	11°D47	25°50	0°22	25°25	22°37	26°34	26°21	18°11	28°51	F 7
S 8	13 5 48	18°20'28	3♈15	9°26	5°44	3°37	11°47	25°46	0°26	25°24	22°38	26°34	26°18	18°18	28°52	S 8
S 9	13 9 44	19°19'12	16°55	11°24	6°52	3°55	11°47	25°41	0°29	25°24	22°40	26°33	26°15	18°25	28°53	S 9
M10	13 13 41	20°17'54	1♈ 5	13°23	8° 1	4°12	11°47	25°37	0°32	25°23	22°41	26°30	26°12	18°32	28°54	M10
T 11	13 17 37	21°16'35	15°42	15°24	9°10	4°31	11°48	25°32	0°36	25°22	22°42	26°24	26° 9	18°38	28°56	T 11
W12	13 21 34	22°15'13	0°Y42	17°27	10°19	4°49	11°49	25°27	0°39	25°21	22°44	26°16	26° 6	18°45	28°57	W12
T 13	13 25 30	23°13'50	15°58	19°30	11°28	5° 8	11°50	25°23	0°43	25°20	22°45	26° 5	26° 2	18°52	28°58	T 13
F 14	13 29 27	24°12'25	1♈18	21°35	12°37	5°27	11°51	25°18	0°46	25°20	22°46	25°54	25°59	18°59	29° 0	F 14
S 15	13 33 24	25°10'59	16°31	23°41	13°46	5°47	11°52	25°14	0°50	25°19	22°48	25°43	25°56	19° 5	29° 1	S 15
S 16	13 37 20	26° 9'30	1♈27	25°48	14°55	6° 7	11°54	25° 9	0°53	25°18	22°49	25°34	25°53	19°12	29° 3	S 16
M17	13 41 17	27° 7'59	15°57	27°55	16° 5	6°27	11°55	25° 5	0°56	25°18	22°51	25°28	25°50	19°19	29° 5	M17
T 18	13 45 13	28° 6'26	29°58	0♈ 3	17°14	6°48	11°57	25° 0	1° 0	25°17	22°52	25°24	25°47	19°25	29° 7	T 18
W19	13 49 10	29° 4'51	13♈30	2°12	18°24	7° 9	11°59	24°55	1° 3	25°17	22°53	25°23	25°43	19°32	29° 9	W19
T 20	13 53 6	0♈ 3'14	26°34	4°20	19°33	7°31	12° 2	24°51	1° 7	25°16	22°55	25°22	25°40	19°39	29°11	T 20
F 21	13 57 3	1° 1'34	9♈16	6°29	20°43	7°52	12° 4	24°46	1°10	25°16	22°56	25°22	25°37	19°46	29°13	F 21
S 22	14 0 59	1°59'52	21°39	8°37	21°52	8°14	12° 7	24°42	1°14	25°15	22°58	25°21	25°34	19°52	29°16	S 22
S 23	14 4 56	2°58'09	3♈49	10°44	23° 2	8°37	12° 9	24°37	1°17	25°15	22°59	25°18	25°31	19°59	29°18	S 23
M24	14 8 53	3°56'23	15°49	12°50	24°12	8°59	12°12	24°33	1°21	25°14	23° 0	25°12	25°27	20° 6	29°20	M24
T 25	14 12 49	4°54'35	27°43	14°55	25°22	9°22	12°15	24°28	1°24	25°14	23° 2	25° 3	25°24	20°12	29°23	T 25
W26	14 16 46	5°52'45	9♈35	16°58	26°32	9°46	12°19	24°24	1°28	25°14	23° 3	24°52	25°21	20°19	29°26	W26
T 27	14 20 42	6°50'54	21°27	18°59	27°42	10° 9	12°22	24°19	1°31	25°13	23° 4	24°39	25°18	20°26	29°29	T 27
F 28	14 24 39	7°49'00	3♈21	20°58	28°52	10°33	12°26	24°15	1°34	25°13	23° 6	24°26	25°15	20°33	29°31	F 28
S 29	14 28 35	8°47'05	15°18	22°55	0°Y 2	10°57	12°29	24°11	1°38	25°13	23° 7	24°13	25°12	20°39	29°34	S 29
S 30	14 32 32	9♈45'09	27♈19	24♈48	1°Y12	11♈21	12♈33	24♈ 6	1♈41	25♈13	23°Y 9	24♈ 1	25♈ 8	20♈46	29♈38	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n33	18s19	4s57	3s30	2s13	12s23	0s 7	22n33	2n50	18n17	1n 3	7s35	2n46	11n 3	0s29	13n37	0n37	6s44	16s41	20s47	20s52	11s35	13n27	7s 9					
S 2	4 56	21 47	4 40	2 44	2 10	12 3	0 11	22 28	2 48	18 17	1 3	7 33	2 46	11 5	0 29	13 38	0 37	6 44	16 41	20 49	20 53	11 38	13 27	7 8					
M 3	5 19	24 20	4 12	1 57	2 7	11 43	0 15	22 23	2 46	18 17	1 2	7 32	2 46	11 6	0 29	13 38	0 37	6 43	16 41	20 51	20 53	11 40	13 28	7 7					
T 4	5 42	25 49	3 31	1 9	2 2	11 23	0 19	22 18	2 44	18 17	1 2	7 30	2 47	11 7	0 29	13 38	0 37	6 43	16 41	20 52	20 54	11 43	13 29	7 6					
W 5	6 5	26 3	2 40	0 20	1 58	11 2	0 23	22 12	2 42	18 17	1 2	7 28	2 47	11 8	0 29	13 39	0 37	6 42	16 41	20 53	20 54	11 46	13 29	7 6					
T 6	6 27	24 58	1 41	0n30	1 52	10 41	0 27	22 7	2 40	18 17	1 2	7 27	2 47	11 9	0 29	13 39	0 37	6 41	16 41	20 53	20 55	11 48	13 30	7 5					
F 7	6 50	22 34	0 35	1 21	1 47	10 20	0 31	22 1	2 38	18 17	1 2	7 25	2 47	11 11	0 29	13 39	0 37	6 41	16 41	20 53	20 56	11 51	13 31	7 4					
S 8	7 12	18 54	0n35	2 12	1 40	9 58	0 35	21 55	2 37	18 17	1 2	7 23	2 47	11 12	0 29	13 40	0 37	6 40	16 41	20 53	20 56	11 54	13 31	7 3					
S 9	7 35	14 7	1 45	3 5	1 33	9 36	0 38	21 50	2 35	18 17	1 2	7 22	2 47	11 13	0 29	13 40	0 37	6 40	16 41	20 53	20 57	11 57	13 32	7 3					
M10	7 57	8 27	2 51	3 58	1 26	9 14	0 42	21 44	2 33	18 17	1 2	7 20	2 47	11 14	0 29	13 40	0 37	6 39	16 41	20 54	20 57	11 59	13 32	7 2					
T 11	8 19	2 9	3 48	4 52	1 19	8 51	0 46	21 38	2 31	18 17	1 2	7 18	2 47	11 15	0 29	13 41	0 37	6 39	16 40	20 55	20 58	12 2	13 33	7 1					
W12	8 41	4n25	4 31	5 47	1 10	8 28	0 49	21 31	2 30	18 16	1 2	7 17	2 47	11 17	0 29	13 41	0 37	6 38	16 40	20 57	20 59	12 5	13 33	7 0					
T 13	9 3	10 50	4 55	6 42	1 2	8 5	0 52	21 25	2 28	18 16	1 2	7 15	2 47	11 18	0 29	13 41	0 37	6 38	16 40	20 59	20 59	12 7	13 34	7 0					
F 14	9 24	16 37	4 59	7 37	0 53	7 42	0 56	21 19	2 26	18 15	1 1	7 13	2 47	11 19	0 29	13 41	0 37	6 37	16 40	21 1	21 0	12 10	13 34	6 59					
S 15	9 46	21 18	4 41	8 33	0 43	7 18	0 59	21 12	2 24	18 15	1 1	7 12	2 47	11 20	0 29	13 41	0 37	6 37	16 40	21 3	21 0	12 13	13 35	6 58					
S 16	10 7	24 28	4 4	9 28	0 33	6 54	1 2	21 5	2 23	18 14	1 1	7 10	2 47	11 21	0 29	13 42	0 37	6 36	16 40	21 4	21 1	12 15	13 35	6 57					
M17	10 28	25 56	3 12	10 24	0 23	6 30	1 5	20 59	2 21	18 14	1 1	7 8	2 47	11 23	0 29	13 42	0 37	6 36	16 40	21 6	21 2	12 18	13 35	6 56					
T 18	10 49	25 39	2 10	11 19	0 13	6 6	1 8	20 52	2 19	18 13	1 1	7 7	2 47	11 24	0 29	13 42	0 37	6 35	16 40	21 6	21 2	12 21	13 36	6 56					
W19	11 10	23 50	1 2	12 13	0 2	5 41	1 11	20 45	2 18	18 13	1 1	7 5	2 47	11 25	0 29	13 42	0 37	6 35	16 41	21 7	21 3	12 23	13 36	6 55					
T 20	11 31	20 47	0s 6	13 7	0n 8	5 16	1 13	20 38	2 16	18 12	1 1	7 3	2 47	11 26	0 29	13 42	0 37	6 34	16 41	21 7	21 3	12 26	13 37	6 54					
F 21	11 51	16 48	1 13	14 0	0 19	4 51	1 16	20 30	2 15	18 11	1 1	7 2	2 47	11 28	0 29	13 43	0 37	6 34	16 41	21 7	21 4	12 29	13 37	6 53					
S 22	12 12	12 12	2 14	14 52	0 30	4 26	1 19	20 23	2 13	18 10	1 1	7 0	2 47	11 29	0 29	13 43	0 37	6 34	16 41	21 7	21 5	12 31	13 37	6 53					
S 23	12 32	7 13	3 8	15 43	0 40	4 1	1 21	20 16	2 11	18 9	1 0	6 59	2 47	11 30	0 29	13 43	0 37	6 33	16 41	21 7	21 5	12 34	13 37	6 52					
M24	12 52	2 2	3 53	16 32	0 51	3 35	1 23	20 8	2 10	18 8	1 0	6 57	2 47	11 31	0 29	13 43	0 37	6 33	16 41	21 9	21 6	12 37	13 38	6 51					
T 25	13 11	3s10	4 27	17 19	1 1	3 9	1 26	20 1	2 8	18 7	1 0	6 55	2 47	11 32	0 29	13 43	0 37	6 32	16 41	21 10	21 6	12 39	13 38	6 50					
W26	13 31	8 14	4 50	18 5	1 11	2 44	1 28	19 53	2 7	18 6	1 0	6 54	2 46	11 34	0 29	13 43	0 37	6 32	16 41	21 12	21 7	12 42	13 38	6 50					
T 27	13 50	13 0	5 0	18 48	1 21	2 18	1 30	19 45	2 5	18 5	1 0	6 52	2 46	11 35	0 29	13 43	0 37	6 31	16 41	21 14	21 7	12 45	13 38	6 49					
F 28	14 9	17 18	4 56	19 29	1 30	1 52	1 32	19 37	2 4	18 4	1 0	6 51	2 46	11 36	0 29	13 43	0 37	6 31	16 41	21 17	21 8	12 47	13 38	6 48					
S 29	14 28	20 55	4 40	20 8	1 39	1 25	1 34	19 29	2 2	18 3	1 0	6 49	2 46	11 37	0 29	13 43	0 37	6 31	16 41	21 19	21 9	12 50	13 38	6 47					
S 30	14n46	23s41	4s12	20n44	1n47	0s59	1s36	19n21	2n 1	18n 2	1n 0	6s48	2n46	11n38	0s29	13n44	0n37	6s30	16s41	21s21	21s 9	12s52	13n38	6s47					

ASTRODIENST EPHEMERIS for the year 1600
geocentric

MAY 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	14 36 28	10♈43'11	9♊26	26♈39	2♊22	11♈46	12♈37	24°R 2	1♈45	25°R12	23♊10	23°R51	25♈5	20♈53	29♈41	M 1
T 2	14 40 25	11°41'11	21°41	28°27	3°33	12°11	12°42	23♈58	1°48	25♈12	23°11	23♈44	25°2	21°0	29°44	T 2
W 3	14 44 21	12°39'10	4♋5	0♈12	4°43	12°36	12°46	23°54	1°52	25°12	23°13	23°41	24°59	21°6	29°47	W 3
T 4	14 48 18	13°37'07	16°42	1°54	5°53	13°1	12°51	23°50	1°55	25°12	23°14	23°39	24°56	21°13	29°51	T 4
F 5	14 52 15	14°35'03	29°35	3°32	7°4	13°27	12°55	23°45	1°58	25°12	23°15	23°D39	24°53	21°20	29°54	F 5
S 6	14 56 11	15°32'58	12♋47	5°6	8°14	13°53	13°0	23°41	2°2	25°D12	23°17	23°R39	24°49	21°26	29°58	S 6
S 7	15 0 8	16°30'52	26°22	6°37	9°25	14°19	13°5	23°37	2°5	25°12	23°18	23°39	24°46	21°33	0♉2	S 7
M 8	15 4 4	17°28'44	10♋21	8°5	10°36	14°45	13°11	23°33	2°9	25°12	23°19	23°37	24°43	21°40	0°5	M 8
T 9	15 8 1	18°26'35	24°45	9°28	11°46	15°12	13°16	23°29	2°12	25°12	23°20	23°33	24°40	21°47	0°9	T 9
W10	15 11 57	19°24'25	9♊31	10°48	12°57	15°38	13°22	23°25	2°15	25°12	23°22	23°26	24°37	21°53	0°13	W10
T 11	15 15 54	20°22'13	24°33	12°4	14°8	16°5	13°27	23°22	2°19	25°12	23°23	23°18	24°33	22°0	0°17	T 11
F 12	15 19 50	21°20'01	9♋42	13°17	15°19	16°32	13°33	23°18	2°22	25°13	23°24	23°8	24°30	22°7	0°22	F 12
S 13	15 23 47	22°17'47	24°49	14°25	16°29	17°0	13°39	23°14	2°25	25°13	23°25	23°0	24°27	22°14	0°26	S 13
S 14	15 27 44	23°15'32	9♈42	15°29	17°40	17°27	13°45	23°10	2°29	25°13	23°27	22°52	24°24	22°20	0°30	S 14
M15	15 31 40	24°13'15	24°15	16°30	18°51	17°55	13°51	23°7	2°32	25°13	23°28	22°47	24°21	22°27	0°34	M15
T 16	15 35 37	25°10'57	8♋21	17°26	20°2	18°23	13°58	23°3	2°35	25°14	23°29	22°44	24°18	22°34	0°39	T 16
W17	15 39 33	26°8'37	21°59	18°18	21°13	18°51	14°4	23°0	2°38	25°14	23°30	22°D43	24°14	22°40	0°44	W17
T 18	15 43 30	27°6'16	5♉9	19°6	22°24	19°20	14°11	22°57	2°42	25°14	23°32	22°43	24°11	22°47	0°48	T 18
F 19	15 47 26	28°3'53	17°55	19°49	23°35	19°48	14°18	22°53	2°45	25°15	23°33	22°44	24°8	22°54	0°53	F 19
S 20	15 51 23	29°1'29	0♈21	20°28	24°46	20°17	14°25	22°50	2°48	25°15	23°34	22°R45	24°5	23°1	0°58	S 20
S 21	15 55 20	29°59'03	12°31	21°3	25°57	20°46	14°32	22°47	2°51	25°16	23°35	22°44	24°2	23°7	1°3	S 21
M22	15 59 16	0♈56'36	24°31	21°33	27°9	21°15	14°39	22°44	2°54	25°16	23°36	22°41	23°58	23°14	1°7	M22
T 23	16 3 13	1°54'07	6♈25	21°59	28°20	21°44	14°46	22°41	2°57	25°17	23°37	22°36	23°55	23°21	1°12	T 23
W24	16 7 9	2°51'37	18°16	22°19	29°31	22°14	14°54	22°38	3°1	25°17	23°39	22°29	23°52	23°27	1°18	W24
T 25	16 11 6	3°49'06	0♈9	22°36	0♋42	22°43	15°2	22°35	3°4	25°18	23°40	22°21	23°49	23°34	1°23	T 25
F 26	16 15 2	4°46'34	12°6	22°47	1°54	23°13	15°9	22°32	3°7	25°19	23°41	22°12	23°46	23°41	1°28	F 26
S 27	16 18 59	5°44'00	24°9	22°54	3°5	23°43	15°17	22°29	3°10	25°19	23°42	22°3	23°43	23°48	1°33	S 27
S 28	16 22 55	6°41'26	6♊19	22°R56	4°16	24°13	15°25	22°27	3°13	25°20	23°43	21°56	23°39	23°54	1°39	S 28
M29	16 26 52	7°38'51	18°38	22°54	5°28	24°43	15°33	22°24	3°16	25°21	23°44	21°50	23°36	24°1	1°44	M29
T 30	16 30 49	8°36'14	1♈7	22°48	6°39	25°14	15°41	22°22	3°19	25°21	23°45	21°46	23°33	24°8	1°50	T 30
W31	16 34 45	9♈33'37	13♋46	22♈37	7♋51	25♈44	15♈50	22♈19	3♋22	25♈22	23♊46	21♋44	23♋30	24♈15	1♈55	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 4	25s24	3s31	21n18	1n54	0s33	1s38	19n13	1n59	18n 1	1n 0	6s46	2n46	11n40	0s29	13n44	0n37	6s30	16s41	21s23	21s10	12s55	13n39	6s46
T 2	15 22	25 54	2 41	21 49	2 1	0 6	1 39	19 4	1 58	17 59	1 0	6 45	2 46	11 41	0 29	13 44	0 37	6 29	16 41	21 24	21 10	12 58	13 39	6 45
W 3	15 40	25 8	1 42	22 18	2 7	0n20	1 41	18 56	1 57	17 58	0 59	6 43	2 46	11 42	0 29	13 44	0 37	6 29	16 41	21 25	21 11	13 0	13 39	6 45
T 4	15 58	23 3	0 37	22 45	2 12	0 47	1 42	18 47	1 55	17 57	0 59	6 42	2 46	11 43	0 29	13 44	0 37	6 29	16 41	21 25	21 12	13 3	13 39	6 44
F 5	16 15	19 46	0n32	23 9	2 17	1 14	1 44	18 38	1 54	17 55	0 59	6 40	2 46	11 44	0 29	13 44	0 37	6 28	16 42	21 25	21 12	13 5	13 39	6 43
S 6	16 32	15 25	1 40	23 30	2 20	1 40	1 45	18 29	1 52	17 54	0 59	6 39	2 46	11 45	0 29	13 44	0 37	6 28	16 42	21 25	21 13	13 8	13 39	6 42
S 7	16 49	10 10	2 45	23 49	2 23	2 7	1 46	18 21	1 51	17 52	0 59	6 38	2 45	11 47	0 29	13 44	0 37	6 28	16 42	21 25	21 13	13 11	13 38	6 42
M 8	17 5	4 17	3 42	24 6	2 25	2 34	1 47	18 11	1 50	17 50	0 59	6 36	2 45	11 48	0 29	13 44	0 37	6 27	16 42	21 25	21 14	13 13	13 38	6 41
T 9	17 21	1n59	4 26	24 20	2 26	3 0	1 48	18 2	1 48	17 49	0 59	6 35	2 45	11 49	0 29	13 44	0 37	6 27	16 42	21 26	21 14	13 16	13 38	6 40
W10	17 37	8 17	4 55	24 32	2 27	3 27	1 49	17 53	1 47	17 47	0 59	6 34	2 45	11 50	0 29	13 44	0 37	6 27	16 42	21 27	21 15	13 18	13 38	6 40
T11	17 53	14 14	5 3	24 42	2 26	3 54	1 50	17 44	1 46	17 45	0 59	6 32	2 45	11 51	0 29	13 43	0 37	6 26	16 42	21 29	21 15	13 21	13 38	6 39
F 12	18 8	19 21	4 51	24 50	2 24	4 21	1 50	17 34	1 44	17 44	0 59	6 31	2 45	11 52	0 29	13 43	0 37	6 26	16 42	21 30	21 16	13 24	13 38	6 38
S 13	18 23	23 11	4 18	24 56	2 22	4 47	1 51	17 25	1 43	17 42	0 58	6 30	2 45	11 54	0 29	13 43	0 37	6 26	16 43	21 32	21 17	13 26	13 38	6 38
S 14	18 38	25 23	3 28	25 0	2 19	5 14	1 52	17 15	1 42	17 40	0 58	6 29	2 44	11 55	0 29	13 43	0 37	6 25	16 43	21 33	21 17	13 29	13 37	6 37
M15	18 52	25 48	2 26	25 2	2 14	5 40	1 52	17 5	1 40	17 38	0 58	6 28	2 44	11 56	0 29	13 43	0 37	6 25	16 43	21 34	21 18	13 31	13 37	6 36
T 16	19 6	24 30	1 16	25 2	2 9	6 7	1 52	16 55	1 39	17 36	0 58	6 26	2 44	11 57	0 29	13 43	0 37	6 25	16 43	21 34	21 18	13 34	13 37	6 36
W17	19 20	21 46	0 4	25 1	2 3	6 33	1 53	16 45	1 38	17 34	0 58	6 25	2 44	11 58	0 29	13 43	0 37	6 24	16 43	21 34	21 19	13 36	13 36	6 35
T 18	19 33	17 57	1s 6	24 58	1 56	6 59	1 53	16 35	1 37	17 32	0 58	6 24	2 44	11 59	0 29	13 43	0 37	6 24	16 43	21 34	21 19	13 39	13 36	6 34
F 19	19 46	13 25	2 11	24 53	1 48	7 26	1 53	16 25	1 35	17 30	0 58	6 23	2 44	12 0	0 29	13 43	0 37	6 24	16 44	21 34	21 20	13 42	13 36	6 34
S 20	19 59	8 27	3 8	24 47	1 39	7 52	1 53	16 15	1 34	17 28	0 58	6 22	2 43	12 1	0 29	13 42	0 37	6 24	16 44	21 34	21 21	13 44	13 35	6 33
S 21	20 12	3 16	3 55	24 40	1 29	8 18	1 53	16 4	1 33	17 26	0 58	6 21	2 43	12 2	0 29	13 42	0 37	6 23	16 44	21 34	21 21	13 47	13 35	6 33
M22	20 24	1s57	4 31	24 31	1 18	8 43	1 53	15 54	1 32	17 24	0 58	6 20	2 43	12 3	0 29	13 42	0 37	6 23	16 44	21 35	21 22	13 49	13 34	6 32
T 23	20 35	7 3	4 54	24 21	1 6	9 9	1 53	15 43	1 30	17 21	0 58	6 19	2 43	12 5	0 29	13 42	0 37	6 23	16 44	21 36	21 22	13 52	13 34	6 31
W24	20 47	11 53	5 6	24 10	0 54	9 34	1 52	15 32	1 29	17 19	0 57	6 18	2 43	12 6	0 29	13 42	0 37	6 23	16 45	21 37	21 23	13 54	13 33	6 31
T 25	20 58	16 17	5 4	23 58	0 41	10 0	1 52	15 21	1 28	17 17	0 57	6 17	2 42	12 7	0 29	13 41	0 37	6 23	16 45	21 38	21 23	13 57	13 33	6 30
F 26	21 8	20 4	4 48	23 44	0 27	10 25	1 52	15 11	1 27	17 14	0 57	6 17	2 42	12 8	0 29	13 41	0 37	6 22	16 45	21 40	21 24	13 59	13 32	6 30
S 27	21 19	23 3	4 20	23 30	0 12	10 50	1 51	15 0	1 26	17 12	0 57	6 16	2 42	12 9	0 29	13 41	0 37	6 22	16 45	21 41	21 24	14 2	13 32	6 29
S 28	21 28	25 1	3 40	23 15	0s 3	11 14	1 50	14 48	1 25	17 9	0 57	6 15	2 42	12 10	0 29	13 41	0 37	6 22	16 45	21 42	21 25	14 4	13 31	6 28
M29	21 38	25 49	2 49	22 59	0 19	11 39	1 50	14 37	1 23	17 7	0 57	6 14	2 42	12 11	0 29	13 41	0 37	6 22	16 46	21 43	21 25	14 7	13 31	6 28
T 30	21 47	25 18	1 49	22 42	0 36	12 3	1 49	14 26	1 22	17 5	0 57	6 14	2 42	12 12	0 29	13 40	0 37	6 22	16 46	21 44	21 26	14 9	13 30	6 27
W31	21n56	23s30	0s43	22n25	0s53	12n27	1s48	14n14	1n21	17n 2	0n57	6s13	2n41	12n13	0s29	13n40	0n37	6s22	16s46	21s44	21s27	14s12	13n29	6s27

ASTRODIENST EPHEMERIS for the year 1600
geocentric

JUNE 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	16 38 42	10 ^{II} 31'00	26 [♈] 37	22°R22	9 [♉] 2	26 [♊] 15	15 [♋] 58	22°R17	3 [♌] 25	25 [♍] 23	23 [♎] 47	21°D44	23 [♏] 27	24 [♐] 21	2 [♑] 1	T 1
F 2	16 42 38	11°28'21	9 [♈] 42	22 ^{II} 3	10°14	26°46	16° 7	22 [♊] 15	3°28	25°24	23°48	21 [♋] 45	23°24	24°28	2° 7	F 2
S 3	16 46 35	12°25'42	23° 2	21°41	11°25	27°17	16°15	22°13	3°30	25°25	23°49	21°46	23°20	24°35	2°12	S 3
S 4	16 50 31	13°23'02	6 [♈] 39	21°15	12°37	27°48	16°24	22°11	3°33	25°26	23°50	21°47	23°17	24°41	2°18	S 4
M 5	16 54 28	14°20'22	20°35	20°47	13°49	28°19	16°33	22° 9	3°36	25°27	23°51	21°R47	23°14	24°48	2°24	M 5
T 6	16 58 24	15°17'42	4 [♉] 47	20°17	15° 0	28°51	16°42	22° 7	3°39	25°28	23°52	21°46	23°11	24°55	2°30	T 6
W 7	17 2 21	16°15'01	19°16	19°45	16°12	29°22	16°51	22° 5	3°42	25°29	23°53	21°43	23° 8	25° 2	2°36	W 7
T 8	17 6 18	17°12'19	3 [♊] 57	19°12	17°24	29°54	17° 0	22° 3	3°44	25°30	23°54	21°39	23° 4	25° 8	2°42	T 8
F 9	17 10 14	18° 9'38	18°44	18°38	18°36	0 [♋] 26	17° 9	22° 2	3°47	25°31	23°55	21°34	23° 1	25°15	2°48	F 9
S 10	17 14 11	19° 6'56	3 ^{II} 29	18° 4	19°47	0°58	17°19	22° 0	3°50	25°32	23°56	21°29	22°58	25°22	2°54	S 10
S 11	17 18 7	20° 4'13	18° 6	17°31	20°59	1°30	17°28	21°59	3°52	25°33	23°57	21°25	22°55	25°29	3° 1	S 11
M12	17 22 4	21° 1'30	2 [♋] 26	16°59	22°11	2° 2	17°38	21°58	3°55	25°34	23°57	21°23	22°52	25°35	3° 7	M12
T 13	17 26 0	21°58'47	16°26	16°28	23°23	2°34	17°48	21°56	3°58	25°35	23°58	21°D21	22°49	25°42	3°13	T 13
W14	17 29 57	22°56'03	0 [♌] 2	16° 0	24°35	3° 7	17°57	21°55	4° 0	25°36	23°59	21°22	22°45	25°49	3°20	W14
T 15	17 33 53	23°53'18	13°14	15°34	25°47	3°39	18° 7	21°54	4° 3	25°38	24° 0	21°23	22°42	25°55	3°26	T 15
F 16	17 37 50	24°50'32	26° 3	15°11	26°59	4°12	18°17	21°53	4° 5	25°39	24° 1	21°24	22°39	26° 2	3°33	F 16
S 17	17 41 47	25°47'46	8 [♎] 32	14°52	28°11	4°45	18°27	21°53	4° 8	25°40	24° 1	21°26	22°36	26° 9	3°39	S 17
S 18	17 45 43	26°44'59	20°45	14°36	29°23	5°18	18°37	21°52	4°10	25°42	24° 2	21°27	22°33	26°16	3°46	S 18
M19	17 49 40	27°42'11	2 [♍] 47	14°25	0 ^{II} 35	5°51	18°48	21°51	4°12	25°43	24° 3	21°R27	22°30	26°22	3°52	M19
T 20	17 53 36	28°39'23	14°42	14°18	1°47	6°24	18°58	21°51	4°15	25°44	24° 4	21°26	22°26	26°29	3°59	T 20
W21	17 57 33	29°36'35	26°35	14°D16	2°59	6°57	19° 8	21°50	4°17	25°46	24° 4	21°24	22°23	26°36	4° 6	W21
T 22	18 1 29	0 [♎] 33'46	8 [♎] 30	14°18	4°12	7°31	19°19	21°50	4°19	25°47	24° 5	21°21	22°20	26°43	4°13	T 22
F 23	18 5 26	1°30'57	20°30	14°25	5°24	8° 4	19°29	21°50	4°22	25°49	24° 6	21°18	22°17	26°49	4°19	F 23
S 24	18 9 22	2°28'07	2 [♊] 39	14°37	6°36	8°38	19°40	21°50	4°24	25°50	24° 6	21°15	22°14	26°56	4°26	S 24
S 25	18 13 19	3°25'17	14°59	14°54	7°48	9°12	19°51	21°D50	4°26	25°51	24° 7	21°13	22°10	27° 3	4°33	S 25
M26	18 17 16	4°22'27	27°31	15°15	9° 1	9°46	20° 1	21°50	4°28	25°53	24° 7	21°11	22° 7	27° 9	4°40	M26
T 27	18 21 12	5°19'37	10 [♈] 17	15°42	10°13	10°20	20°12	21°50	4°30	25°55	24° 8	21°10	22° 4	27°16	4°47	T 27
W28	18 25 9	6°16'47	23°16	16°13	11°25	10°54	20°23	21°50	4°32	25°56	24° 9	21°D 9	22° 1	27°23	4°54	W28
T 29	18 29 5	7°13'57	6 [♎] 29	16°50	12°38	11°28	20°34	21°51	4°34	25°58	24° 9	21°10	21°58	27°30	5° 1	T 29
F 30	18 33 2	8 [♎] 11'08	19 [♎] 55	17 ^{II} 31	13 ^{II} 50	12 [♎] 2	20 [♌] 45	21 [♍] 51	4 [♎] 36	25 [♎] 59	24 [♎] 10	21 [♈] 11	21 [♈] 55	27 [♈] 36	5 [♉] 8	F 30

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	22n 4	20s27	0n27	22n 7	1s10	12n51	1s47	14n 3	1n20	16n59	0n57	6s12	2n41	12n14
F 2	22 12	16 19	1 36	21 49	1 27	13 14	1 46	13 51	1 19	16 57	0 57	6 12	2 41	12 15
S 3	22 20	11 19	2 42	21 30	1 44	13 37	1 45	13 40	1 18	16 54	0 57	6 11	2 40	12 16
S 4	22 27	5 41	3 40	21 11	2 1	14 0	1 44	13 28	1 17	16 51	0 57	6 11	2 40	12 17
M 5	22 34	0n20	4 26	20 53	2 18	14 23	1 43	13 16	1 16	16 49	0 57	6 10	2 40	12 18
T 6	22 41	6 27	4 58	20 35	2 34	14 45	1 42	13 4	1 14	16 46	0 56	6 10	2 40	12 19
W 7	22 47	12 21	5 11	20 17	2 50	15 7	1 40	12 52	1 13	16 43	0 56	6 9	2 40	12 19
T 8	22 53	17 37	5 4	19 59	3 5	15 29	1 39	12 40	1 12	16 40	0 56	6 9	2 39	12 20
F 9	22 58	21 52	4 37	19 42	3 19	15 50	1 37	12 27	1 11	16 37	0 56	6 8	2 39	12 21
S 10	23 3	24 41	3 52	19 26	3 32	16 11	1 36	12 15	1 10	16 34	0 56	6 8	2 39	12 22
S 11	23 7	25 48	2 52	19 12	3 44	16 32	1 34	12 3	1 9	16 31	0 56	6 8	2 39	12 23
M12	23 11	25 10	1 42	18 58	3 54	16 52	1 33	11 50	1 8	16 28	0 56	6 8	2 38	12 24
T 13	23 15	22 55	0 27	18 46	4 4	17 11	1 31	11 37	1 7	16 25	0 56	6 7	2 38	12 25
W14	23 18	19 25	0s47	18 35	4 12	17 31	1 29	11 25	1 6	16 22	0 56	6 7	2 38	12 26
T 15	23 21	15 1	1 57	18 26	4 18	17 50	1 28	11 12	1 5	16 19	0 56	6 7	2 38	12 27
F 16	23 23	10 4	2 59	18 18	4 23	18 8	1 26	10 59	1 4	16 16	0 56	6 7	2 37	12 27
S 17	23 26	4 50	3 50	18 12	4 27	18 26	1 24	10 46	1 3	16 13	0 56	6 7	2 37	12 28
S 18	23 27	0s28	4 30	18 8	4 29	18 44	1 22	10 33	1 2	16 10	0 56	6 7	2 37	12 29
M19	23 28	5 40	4 58	18 6	4 30	19 1	1 20	10 20	1 1	16 6	0 56	6 7	2 36	12 30
T 20	23 29	10 36	5 12	18 6	4 30	19 18	1 18	10 7	1 0	16 3	0 56	6 7	2 36	12 31
W21	23 29	15 8	5 13	18 7	4 28	19 34	1 16	9 53	0 59	16 0	0 56	6 7	2 36	12 31
T 22	23 29	19 6	5 0	18 11	4 25	19 49	1 14	9 40	0 58	15 56	0 56	6 7	2 36	12 32
F 23	23 29	22 19	4 35	18 15	4 21	20 5	1 11	9 27	0 57	15 53	0 55	6 7	2 35	12 33
S 24	23 28	24 36	3 56	18 22	4 16	20 19	1 9	9 13	0 56	15 50	0 55	6 7	2 35	12 34
S 25	23 27	25 44	3 6	18 30	4 10	20 33	1 7	8 59	0 55	15 46	0 55	6 8	2 35	12 34
M26	23 25	25 35	2 7	18 39	4 2	20 47	1 5	8 46	0 54	15 43	0 55	6 8	2 35	12 35
T 27	23 23	24 5	1 0	18 50	3 54	21 0	1 2	8 32	0 53	15 39	0 55	6 8	2 34	12 36
W28	23 21	21 17	0n12	19 2	3 46	21 12	1 0	8 18	0 52	15 36	0 55	6 9	2 34	12 36
T 29	23 18	17 21	1 24	19 15	3 36	21 24	0 58	8 4	0 51	15 32	0 55	6 9	2 34	12 37
F 30	23n14	12s28	2n32	19n29	3s26	21n36	0s55	7n50	0n50	15n29	0n55	6s 9	2n34	12n38

Julian Day Number = 2305599.5, Delta T = 88.25 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'49, Lahiri = 18°16'49Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1600
geocentric

JULY 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 58	9♉8'18	3♊34	18♊17	15♊3	12♊36	20♊56	21♊52	4♊38	26♊1	24♊10	21♊32	21♊51	27♊43	5♊16	S 1
S 2	18 40 55	10° 5'29	17°24	19° 8	16°15	13°11	21° 8	21°52	4°40	26° 3	24°11	21°13	21°48	27°50	5°23	S 2
M 3	18 44 51	11° 2'40	17°25	20° 3	17°28	13°45	21°19	21°53	4°42	26° 4	24°11	21°13	21°45	27°56	5°30	M 3
T 4	18 48 48	11°59'51	15°35	21° 3	18°40	14°20	21°30	21°54	4°43	26° 6	24°11	21°R13	21°42	28° 3	5°37	T 4
W 5	18 52 45	12°57'03	29°52	22° 7	19°53	14°55	21°42	21°55	4°45	26° 8	24°12	21°13	21°39	28°10	5°44	W 5
T 6	18 56 41	13°54'16	14♊13	23°16	21° 5	15°30	21°53	21°56	4°47	26° 9	24°12	21°12	21°36	28°17	5°52	T 6
F 7	19 0 38	14°51'29	28°35	24°30	22°18	16° 5	22° 5	21°57	4°49	26°11	24°13	21°12	21°32	28°23	5°59	F 7
S 8	19 4 34	15°48'43	12♊53	25°47	23°31	16°40	22°16	21°58	4°50	26°13	24°13	21°11	21°29	28°30	6° 6	S 8
S 9	19 8 31	16°45'58	27° 4	27° 9	24°43	17°15	22°28	22° 0	4°52	26°15	24°13	21°11	21°26	28°37	6°14	S 9
M10	19 12 27	17°43'13	11♊2	28°36	25°56	17°50	22°40	22° 1	4°53	26°16	24°14	21°10	21°23	28°44	6°21	M10
T 11	19 16 24	18°40'28	24°44	0♉6	27° 9	18°26	22°51	22° 3	4°55	26°18	24°14	21°D10	21°20	28°50	6°29	T 11
W12	19 20 21	19°37'44	8♊8	1°40	28°22	19° 1	23° 3	22° 4	4°56	26°20	24°14	21°10	21°16	28°57	6°36	W12
T 13	19 24 17	20°34'59	21°14	3°18	29°35	19°37	23°15	22° 6	4°58	26°22	24°14	21°10	21°13	29° 4	6°44	T 13
F 14	19 28 14	21°32'16	4♊0	5° 0	0♉48	20°12	23°27	22° 8	4°59	26°24	24°15	21°R10	21°10	29°10	6°51	F 14
S 15	19 32 10	22°29'32	16°28	6°45	2° 1	20°48	23°39	22°10	5° 0	26°26	24°15	21°10	21° 7	29°17	6°59	S 15
S 16	19 36 7	23°26'49	28°43	8°34	3°14	21°24	23°51	22°12	5° 2	26°28	24°15	21°10	21° 4	29°24	7° 6	S 16
M17	19 40 3	24°24'06	10♊45	10°26	4°27	22° 0	24° 3	22°14	5° 3	26°30	24°15	21°10	21° 1	29°31	7°14	M17
T 18	19 44 0	25°21'24	22°41	12°20	5°40	22°36	24°15	22°16	5° 4	26°32	24°15	21°D10	20°57	29°37	7°21	T 18
W19	19 47 56	26°18'42	4♊35	14°17	6°53	23°12	24°27	22°18	5° 5	26°34	24°16	21°10	20°54	29°44	7°29	W19
T 20	19 51 53	27°16'00	16°30	16°16	8° 6	23°48	24°40	22°21	5° 6	26°36	24°16	21°10	20°51	29°51	7°37	T 20
F 21	19 55 50	28°13'19	28°32	18°18	9°19	24°24	24°52	22°23	5° 7	26°38	24°16	21°11	20°48	29°57	7°44	F 21
S 22	19 59 46	29°10'39	10♊45	20°20	10°32	25° 1	25° 4	22°26	5° 8	26°40	24°16	21°12	20°45	0♊4	7°52	S 22
S 23	20 3 43	0♊7'59	23°12	22°24	11°45	25°37	25°17	22°28	5° 9	26°42	24°16	21°12	20°42	0°11	8° 0	S 23
M24	20 7 39	1° 5'20	5♉55	24°29	12°58	26°14	25°29	22°31	5°10	26°44	24°R16	21°13	20°38	0°18	8° 7	M24
T 25	20 11 36	2° 2'41	18°56	26°35	14°12	26°50	25°41	22°34	5°11	26°46	24°16	21°R13	20°35	0°24	8°15	T 25
W26	20 15 32	3° 0'03	2♉16	28°40	15°25	27°27	25°54	22°37	5°12	26°48	24°16	21°13	20°32	0°31	8°23	W26
T 27	20 19 29	3°57'26	15°54	0♊46	16°38	28° 4	26° 6	22°40	5°12	26°50	24°16	21°12	20°29	0°38	8°30	T 27
F 28	20 23 25	4°54'50	29°47	2°52	17°51	28°41	26°19	22°43	5°13	26°52	24°16	21°11	20°26	0°45	8°38	F 28
S 29	20 27 22	5°52'15	13♊51	4°57	19° 5	29°18	26°31	22°46	5°14	26°54	24°16	21° 9	20°22	0°51	8°46	S 29
S 30	20 31 19	6°49'41	28° 4	7° 1	20°18	29°55	26°44	22°50	5°14	26°56	24°15	21° 7	20°19	0°58	8°53	S 30
M31	20 35 15	7♊47'09	12♊22	9♊4	21♉32	0♉32	26♊57	22♊53	5♊15	26♊58	24°Y15	21♉6	20♉16	1♊5	9♊1	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n11	6s54	3n33	19n44	3s15	21n46	0s53	7n36	0n49	15n25	0n55	6s10	2n33	12n38	0s29	13n27	0n36
S 2	23 6 0 57	4 23 20 0	3 3 21 57	0 50 7 22	0 48 15 21	0 55 6 10	2 33 12 39	0 29 13 26	0 36 6 22	16 55 21 49	21 43 15 30	12 56 6 13					
M 3	23 2 5n 7	4 58 20 16	2 52 22 6	0 48 7 8	0 48 15 18	0 55 6 11	2 33 12 39	0 29 13 26	0 36 6 22	16 56 21 49	21 44 15 32	12 55 6 13					
T 4	22 57 10 59	5 15 20 32	2 39 22 15	0 45 6 54	0 47 15 14	0 55 6 11	2 33 12 40	0 29 13 25	0 36 6 22	16 56 21 49	21 44 15 34	12 53 6 12					
W 5	22 52 16 19	5 13 20 49	2 27 22 23	0 43 6 39	0 46 15 10	0 55 6 12	2 32 12 41	0 29 13 24	0 36 6 22	16 56 21 49	21 45 15 37	12 52 6 12					
T 6	22 46 20 46	4 51 21 6	2 14 22 31	0 40 6 25	0 45 15 7	0 55 6 13	2 32 12 41	0 29 13 24	0 36 6 22	16 57 21 49	21 45 15 39	12 50 6 12					
F 7	22 40 23 59	4 12 21 22	2 1 22 38	0 38 6 11	0 44 15 3	0 55 6 13	2 32 12 42	0 29 13 23	0 36 6 22	16 57 21 49	21 46 15 41	12 49 6 11					
S 8	22 33 25 39	3 16 21 38	1 47 22 45	0 35 5 56	0 43 14 59	0 55 6 14	2 31 12 42	0 29 13 22	0 36 6 23	16 57 21 49	21 46 15 44	12 47 6 11					
S 9	22 26 25 37	2 10 21 54	1 34 22 50	0 33 5 42	0 42 14 55	0 55 6 15	2 31 12 43	0 29 13 23	0 36 6 23	16 58 21 49	21 47 15 46	12 46 6 11					
M10	22 19 23 58	0 56 22 9	1 20 22 56	0 30 5 27	0 41 14 51	0 55 6 16	2 31 12 43	0 29 13 21	0 36 6 23	16 58 21 49	21 47 15 48	12 44 6 11					
T 11	22 11 20 54	0s20 22 23	1 7 23 0	0 28 5 12	0 40 14 47	0 55 6 16	2 31 12 44	0 29 13 21	0 36 6 23	16 58 21 49	21 48 15 51	12 43 6 10					
W12	22 3 16 47	1 33 22 35	0 54 23 4	0 25 4 58	0 39 14 44	0 55 6 17	2 30 12 44	0 29 13 20	0 36 6 23	16 59 21 49	21 48 15 53	12 41 6 10					
T 13	21 55 11 57	2 39 22 47	0 40 23 7	0 22 4 43	0 39 14 40	0 55 6 18	2 30 12 45	0 29 13 19	0 36 6 24	16 59 21 49	21 49 15 55	12 40 6 10					
F 14	21 46 6 43	3 36 22 56	0 27 23 10	0 20 4 28	0 38 14 36	0 55 6 19	2 30 12 45	0 29 13 19	0 36 6 24	16 59 21 49	21 49 15 58	12 38 6 10					
S 15	21 37 1 21	4 21 23 4	0 15 23 11	0 17 4 13	0 37 14 32	0 55 6 20	2 30 12 46	0 29 13 18	0 36 6 24	17 0 21 49	21 50 16 0	12 36 6 10					
S 16	21 27 3s58	4 53 23 10	0 2 23 13	0 15 3 58	0 36 14 28	0 55 6 21	2 29 12 46	0 29 13 17	0 36 6 24	17 0 21 49	21 50 16 2	12 35 6 9					
M17	21 17 9 2	5 12 23 14	0n10 23 13	0 12 3 43	0 35 14 24	0 55 6 22	2 29 12 46	0 29 13 17	0 36 6 25	17 0 21 49	21 51 16 5	12 33 6 9					
T 18	21 7 13 44	5 17 23 16	0 21 23 13	0 9 3 28	0 34 14 20	0 55 6 23	2 29 12 47	0 29 13 16	0 36 6 25	17 1 21 49	21 51 16 7	12 31 6 9					
W19	20 56 17 54	5 8 23 15	0 32 23 12	0 7 3 13	0 33 14 16	0 55 6 24	2 29 12 47	0 29 13 15	0 36 6 25	17 1 21 49	21 52 16 9	12 30 6 9					
T 20	20 45 21 23	4 46 23 12	0 42 23 11	0 4 2 58	0 32 14 11	0 55 6 25	2 28 12 47	0 29 13 15	0 36 6 26	17 1 21 49	21 52 16 11	12 28 6 9					
F 21	20 34 23 58	4 12 23 5	0 52 23 8	0 2 2 43	0 32 14 7	0 55 6 27	2 28 12 48	0 29 13 14	0 36 6 26	17 2 21 49	21 53 16 14	12 26 6 8					
S 22	20 22 25 30	3 26 22 57	1 0 23 5	0n 1 2 27	0 31 14 3	0 55 6 28	2 28 12 48	0 29 13 13	0 36 6 26	17 2 21 49	21 53 16 16	12 24 6 8					
S 23	20 10 25 48	2 29 22 45	1 9 23 2	0 4 2 12	0 30 13 59	0 55 6 29	2 28 12 48	0 29 13 13	0 36 6 26	17 2 21 49	21 54 16 18	12 23 6 8					
M24	19 58 24 45	1 24 22 31	1 16 22 58	0 6 1 57	0 29 13 55	0 55 6 30	2 27 12 49	0 29 13 12	0 36 6 27	17 3 21 49	21 54 16 21	12 21 6 8					
T 25	19 45 22 22	0 13 22 14	1 22 22 53	0 9 1 42	0 28 13 51	0 55 6 31	2 27 12 49	0 29 13 11	0 36 6 27	17 3 21 49	21 55 16 23	12 19 6 8					
W26	19 32 18 43	1n 1 21 55	1 28 22 47	0 11 1 26	0 27 13 46	0 55 6 33	2 27 12 49	0 29 13 11	0 36 6 27	17 4 21 49	21 55 16 25	12 17 6 8					
T 27	19 18 14 0	2 12 21 33	1 33 22 41	0 14 1 11	0 27 13 42	0 55 6 34	2 27 12 49	0 30 13 10	0 36 6 28	17 4 21 49	21 56 16 27	12 15 6 8					
F 28	19 5 8 30	3 17 21 8	1 37 22 34	0 16 0 55	0 26 13 38	0 55 6 36	2 26 12 50	0 30 13 9	0 36 6 28	17 4 21 49	21 56 16 30	12 13 6 8					
S 29	18 51 2 30	4 11 20 42	1 41 22 26	0 19 0 40	0 25 13 34	0 55 6 37	2 26 12 50	0 30 13 9	0 36 6 28	17 5 21 49	21 57 16 32	12 12 6 8					
S 30	18 36 3n40	4 50 20 13	1 43 22 18	0 21 0 24	0 24 13 29	0 55 6 38	2 26 12 50	0 30 13 8	0 36 6 29	17 5 21 50	21 57 16 34	12 10 6 7					
M31	18n22 9n40	5n12 19n43	1n45 22n 9	0n23 0n 9	0n23 13n25	0n55 6s40	2n26 12n50	0s30 13n 7	0n36 6s29	17s 5 21s50	21s58 16s36	12n 8 6s 7					

Julian Day Number = 2305629.5, Delta T

ASTRODIENST EPHEMERIS for the year 1600
geocentric

AUGUST 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 12	8♌44'37	26♋39	11♌ 7	22♌45	1♌ 9	27♌ 9	22♌56	5♌15	27♌ 0	24♌R15	21♌R 5	20♌13	1♌11	9♌ 9	T 1
W 2	20 43 8	9°42'08	10♌54	13° 8	23°59	1°46	27°22	23° 0	5°16	27° 3	24♋15	21°D 4	20°10	1°18	9°17	W 2
T 3	20 47 5	10°39'39	25° 4	15° 8	25°12	2°24	27°35	23° 3	5°16	27° 5	24°15	21♌ 5	20° 7	1°25	9°24	T 3
F 4	20 51 1	11°37'12	9♌ 6	17° 7	26°26	3° 1	27°47	23° 7	5°16	27° 7	24°15	21° 6	20° 3	1°32	9°32	F 4
S 5	20 54 58	12°34'47	23° 0	19° 4	27°40	3°39	28° 0	23°11	5°17	27° 9	24°14	21° 7	20° 0	1°38	9°40	S 5
S 6	20 58 54	13°32'23	6♌43	21° 0	28°53	4°16	28°13	23°15	5°17	27°11	24°14	21° 8	19°57	1°45	9°48	S 6
M 7	21 2 51	14°30'00	20°15	22°55	0♌ 7	4°54	28°26	23°19	5°17	27°13	24°14	21°R 9	19°54	1°52	9°55	M 7
T 8	21 6 48	15°27'39	3♌24	24°48	1°21	5°32	28°39	23°23	5°17	27°16	24°14	21° 8	19°51	1°58	10° 3	T 8
W 9	21 10 44	16°25'19	16°39	26°40	2°34	6°10	28°51	23°27	5°17	27°18	24°13	21° 7	19°48	2° 5	10°11	W 9
T 10	21 14 41	17°23'00	29°31	28°30	3°48	6°48	29° 4	23°31	5°R17	27°20	24°13	21° 4	19°44	2°12	10°19	T 10
F 11	21 18 37	18°20'42	12♌ 8	0♌19	5° 2	7°26	29°17	23°35	5°17	27°22	24°13	21° 0	19°41	2°19	10°26	F 11
S 12	21 22 34	19°18'26	24°31	2° 7	6°16	8° 4	29°30	23°40	5°17	27°24	24°12	20°55	19°38	2°25	10°34	S 12
S 13	21 26 30	20°16'11	6♌42	3°53	7°30	8°42	29°43	23°44	5°17	27°27	24°12	20°50	19°35	2°32	10°42	S 13
M14	21 30 27	21°13'57	18°44	5°37	8°44	9°20	29°56	23°48	5°17	27°29	24°11	20°46	19°32	2°39	10°49	M14
T 15	21 34 23	22°11'44	0♌38	7°20	9°58	9°59	0♌ 9	23°53	5°17	27°31	24°11	20°43	19°28	2°46	10°57	T 15
W16	21 38 20	23° 9'32	12°31	9° 2	11°12	10°37	0°22	23°58	5°17	27°33	24°11	20°41	19°25	2°52	11° 5	W16
T 17	21 42 17	24° 7'22	24°25	10°42	12°26	11°16	0°35	24° 2	5°16	27°35	24°10	20°D40	19°22	2°59	11°12	T 17
F 18	21 46 13	25° 5'13	6♌25	12°21	13°40	11°54	0°48	24° 7	5°16	27°38	24°10	20°41	19°19	3° 6	11°20	F 18
S 19	21 50 10	26° 3'05	18°37	13°59	14°54	12°33	1° 1	24°12	5°16	27°40	24° 9	20°42	19°16	3°12	11°28	S 19
S 20	21 54 6	27° 0'58	1♌ 6	15°35	16° 8	13°12	1°14	24°17	5°15	27°42	24° 9	20°44	19°13	3°19	11°35	S 20
M21	21 58 3	27°58'53	13°54	17°10	17°22	13°50	1°27	24°22	5°15	27°44	24° 8	20°45	19° 9	3°26	11°43	M21
T 22	22 1 59	28°56'49	27° 5	18°44	18°36	14°29	1°40	24°27	5°14	27°47	24° 7	20°R45	19° 6	3°33	11°50	T 22
W23	22 5 56	29°54'47	10♌40	20°16	19°50	15° 8	1°53	24°32	5°13	27°49	24° 7	20°43	19° 3	3°39	11°58	W23
T 24	22 9 52	0♌52'46	24°38	21°47	21° 4	15°47	2° 6	24°37	5°13	27°51	24° 6	20°40	19° 0	3°46	12° 6	T 24
F 25	22 13 49	1°50'46	8♌56	23°17	22°19	16°26	2°19	24°42	5°12	27°53	24° 6	20°35	18°57	3°53	12°13	F 25
S 26	22 17 46	2°48'48	23°29	24°45	23°33	17° 6	2°32	24°48	5°11	27°55	24° 5	20°29	18°54	3°59	12°21	S 26
S 27	22 21 42	3°46'52	8♋10	26°12	24°47	17°45	2°45	24°53	5°11	27°58	24° 4	20°22	18°50	4° 6	12°28	S 27
M28	22 25 39	4°44'58	22°51	27°37	26° 1	18°24	2°58	24°58	5°10	28° 0	24° 4	20°16	18°47	4°13	12°35	M28
T 29	22 29 35	5°43'06	7♌26	29° 2	27°16	19° 4	3°11	25° 4	5° 9	28° 2	24° 3	20°11	18°44	4°20	12°43	T 29
W30	22 33 32	6°41'16	21°49	0♌24	28°30	19°43	3°24	25° 9	5° 8	28° 4	24° 2	20° 9	18°41	4°26	12°50	W30
T 31	22 37 28	7♌39'28	5♌58	1♌46	29♌45	20♌23	3♌37	25♌15	5♌ 7	28♌ 6	24♋ 2	20°D 8	18♌38	4♌33	12♌58	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 7	15n10	5n14	19n11	1n46	22n 0	0n26	0s 7	0n23	13n21	0n55	6s41	2n25	12n50	0s30	13n 6
W 2	17 52	19 49	4 57	18 37	1 46	21 49	0 28	0 22	0 22	13 16	0 55	6 43	2 25	12 50	0 30	13 6
T 3	17 36	23 18	4 22	18 1	1 46	21 39	0 31	0 38	0 21	13 12	0 55	6 44	2 25	12 50	0 30	13 5
F 4	17 20	25 20	3 31	17 25	1 45	21 27	0 33	0 54	0 20	13 8	0 55	6 46	2 25	12 51	0 30	13 4
S 5	17 4	25 47	2 29	16 47	1 44	21 15	0 35	1 9	0 19	13 3	0 55	6 48	2 24	12 51	0 30	13 3
S 6	16 48	24 38	1 19	16 8	1 42	21 2	0 37	1 25	0 19	12 59	0 55	6 49	2 24	12 51	0 30	13 3
M 7	16 31	22 3	0 5	15 28	1 39	20 49	0 40	1 41	0 18	12 54	0 55	6 51	2 24	12 51	0 30	13 2
T 8	16 14	18 18	1s 8	14 47	1 36	20 35	0 42	1 57	0 17	12 50	0 55	6 53	2 24	12 51	0 30	13 1
W 9	15 57	13 44	2 15	14 6	1 32	20 20	0 44	2 12	0 16	12 45	0 55	6 54	2 23	12 51	0 30	13 0
T 10	15 40	8 37	3 15	13 24	1 28	20 5	0 46	2 28	0 15	12 41	0 55	6 56	2 23	12 51	0 30	13 0
F 11	15 22	3 16	4 4	12 41	1 24	19 49	0 48	2 44	0 15	12 36	0 55	6 58	2 23	12 51	0 30	12 59
S 12	15 4	2s 6	4 40	11 58	1 19	19 33	0 50	3 0	0 14	12 32	0 55	7 0	2 23	12 51	0 30	12 58
S 13	14 46	7 18	5 3	11 15	1 14	19 16	0 52	3 15	0 13	12 27	0 55	7 1	2 23	12 51	0 30	12 57
M14	14 27	12 9	5 12	10 32	1 8	18 59	0 54	3 31	0 12	12 23	0 55	7 3	2 22	12 51	0 30	12 57
T 15	14 9	16 31	5 7	9 48	1 2	18 41	0 56	3 47	0 11	12 18	0 55	7 5	2 22	12 51	0 30	12 56
W16	13 50	20 13	4 50	8 4	0 56	18 22	0 57	4 3	0 11	12 14	0 55	7 7	2 22	12 50	0 30	12 55
T 17	13 31	23 7	4 20	8 20	0 50	18 3	0 59	4 19	0 10	12 9	0 55	7 9	2 22	12 50	0 30	12 54
F 18	13 11	25 1	3 38	7 36	0 43	17 44	1 1	4 34	0 9	12 5	0 55	7 11	2 22	12 50	0 30	12 54
S 19	12 52	25 46	2 46	6 52	0 36	17 24	1 2	4 50	0 8	12 0	0 55	7 13	2 21	12 50	0 30	12 53
S 20	12 32	25 14	1 45	6 8	0 29	17 3	1 4	5 6	0 8	11 55	0 55	7 15	2 21	12 50	0 30	12 52
M21	12 12	23 23	0 37	5 24	0 21	16 42	1 6	5 22	0 7	11 51	0 55	7 17	2 21	12 50	0 30	12 51
T 22	11 52	20 14	0n34	4 41	0 14	16 21	1 7	5 38	0 6	11 46	0 55	7 19	2 21	12 49	0 30	12 51
W23	11 32	15 54	1 46	3 57	0 6	15 59	1 9	5 53	0 5	11 41	0 55	7 21	2 21	12 49	0 30	12 50
T 24	11 11	10 37	2 53	3 14	0s 2	15 37	1 10	6 9	0 5	11 37	0 56	7 23	2 20	12 49	0 30	12 49
F 25	10 50	4 40	3 51	2 31	0 10	15 14	1 11	6 25	0 4	11 32	0 56	7 25	2 20	12 49	0 30	12 48
S 26	10 30	1n37	4 35	1 49	0 18	14 51	1 13	6 41	0 3	11 28	0 56	7 27	2 20	12 49	0 30	12 48
S 27	10 9	7 51	5 1	1 7	0 26	14 27	1 14	6 56	0 3	11 23	0 56	7 29	2 20	12 48	0 30	12 47
M28	9 47	13 40	5 8	0 25	0 35	14 3	1 15	7 12	0 2	11 18	0 56	7 31	2 20	12 48	0 30	12 46
T 29	9 26	18 39	4 55	0s16	0 43	13 38	1 16	7 28	0 1	11 14	0 56	7 34	2 19	12 48	0 30	12 45
W30	9 5	22 29	4 23	0 57	0 52	13 14	1 17	7 43	0 0	11 9	0 56	7 36	2 19	12 47	0 30	12 45
T 31	8n43	24n53	3n35	1s37	1s 0	12n48	1n18	7s59	0s 0	11n 4	0n56	7s38	2n19	12n47	0s30	12n44

Julian Day Number = 2305660.5, Delta T = 88.03 sec
Ecliptic obliquity = 23°29'32", Nutation = 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'57", Lahiri = 18°16'58"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1600

geocentric

SEPTEMBER 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 41 25	8 ^h 37'42"	19 ^h 11'51"	3 ^h 5'5"	0 ^h 59'59"	21 ^h 5'2"	3 ^h 50'50"	25 ^h 5'20"	5°R 6	28 ^h 9'9"	24°R 1	20 ^h 3'8"	18 ^h 3'34"	4 ^h 40'40"	13 ^h 5'5"	F 1
S 2	22 45 21	9°35'58"	3 ^h 52'29"	4°24'	2°13'	21°42'	4°3'	25°26'	5 ^h 8'5"	28°11'	24°0'	20°9'	18°31'	4°46'	13°12'	S 2
S 3	22 49 18	10°34'16"	16°51'	5°40'	3°28'	22°22'	4°16'	25°32'	5°4'	28°13'	23°59'	20°R10	18°28'	4°53'	13°20'	S 3
M 4	22 53 15	11°32'37"	0 ^h 0'0"	6°56'	4°42'	23°2'	4°29'	25°38'	5°3'	28°15'	23°58'	20°9'	18°25'	5°0'	13°27'	M 4
T 5	22 57 11	12°30'59"	12°57'	8°9'	5°57'	23°42'	4°42'	25°44'	5°2'	28°17'	23°58'	20°7'	18°22'	5°7'	13°34'	T 5
W 6	23 1 8	13°29'23"	25°42'	9°21'	7°12'	24°22'	4°55'	25°50'	5°0'	28°20'	23°57'	20°2'	18°19'	5°13'	13°41'	W 6
T 7	23 5 4	14°27'49"	8 ^h 16'	10°30'	8°26'	25°2'	5°8'	25°56'	4°59'	28°22'	23°56'	19°55'	18°15'	5°20'	13°48'	T 7
F 8	23 9 1	15°26'17"	20°40'	11°38'	9°41'	25°42'	5°21'	26°2'	4°58'	28°24'	23°55'	19°46'	18°12'	5°27'	13°56'	F 8
S 9	23 12 57	16°24'47"	2 ^h 55'	12°44'	10°55'	26°22'	5°34'	26°8'	4°56'	28°26'	23°54'	19°35'	18°9'	5°33'	14°3'	S 9
S 10	23 16 54	17°23'19"	15°0'	13°47'	12°10'	27°3'	5°47'	26°14'	4°55'	28°28'	23°53'	19°24'	18°6'	5°40'	14°10'	S 10
M 11	23 20 50	18°21'52"	26°57'	14°49'	13°25'	27°43'	6°0'	26°20'	4°53'	28°30'	23°53'	19°14'	18°3'	5°47'	14°17'	M 11
T 12	23 24 47	19°20'28"	8 ^h 50'	15°47'	14°39'	28°23'	6°13'	26°26'	4°52'	28°32'	23°52'	19°5'	17°59'	5°54'	14°24'	T 12
W 13	23 28 43	20°19'05"	20°40'	16°43'	15°54'	29°4'	6°25'	26°32'	4°50'	28°35'	23°51'	18°59'	17°56'	6°0'	14°30'	W 13
T 14	23 32 40	21°17'44"	2 ^h 32'	17°36'	17°9'	29°45'	6°38'	26°39'	4°49'	28°37'	23°50'	18°54'	17°53'	6°7'	14°37'	T 14
F 15	23 36 37	22°16'24"	14°29'	18°26'	18°23'	0 ^h 25'	6°51'	26°45'	4°47'	28°39'	23°49'	18°52'	17°50'	6°14'	14°44'	F 15
S 16	23 40 33	23°15'07"	26°38'	19°13'	19°38'	1°6'	7°4'	26°51'	4°46'	28°41'	23°48'	18°D52	17°47'	6°20'	14°51'	S 16
S 17	23 44 30	24°13'51"	9 ^h 3'	19°56'	20°53'	1°47'	7°17'	26°58'	4°44'	28°43'	23°47'	18°53'	17°44'	6°27'	14°58'	S 17
M 18	23 48 26	25°12'36"	21°49'	20°35'	22°8'	2°28'	7°29'	27°4'	4°42'	28°45'	23°46'	18°R53	17°40'	6°34'	15°4'	M 18
T 19	23 52 23	26°11'24"	5 ^h 0'	21°10'	23°23'	3°9'	7°42'	27°11'	4°40'	28°47'	23°45'	18°52'	17°37'	6°41'	15°11'	T 19
W 20	23 56 19	27°10'13"	18°39'	21°40'	24°37'	3°50'	7°55'	27°17'	4°39'	28°49'	23°44'	18°49'	17°34'	6°47'	15°18'	W 20
T 21	0 0 16	28°9'04"	2 ^h 47'	22°5'	25°52'	4°31'	8°7'	27°24'	4°37'	28°51'	23°43'	18°43'	17°31'	6°54'	15°24'	T 21
F 22	0 4 12	29°7'57"	17°21'	22°25'	27°7'	5°12'	8°20'	27°31'	4°35'	28°53'	23°42'	18°34'	17°28'	7°1'	15°31'	F 22
S 23	0 8 9	0 ^h 52'	2 ^h 15'	22°39'	28°22'	5°53'	8°32'	27°37'	4°33'	28°55'	23°41'	18°24'	17°25'	7°8'	15°37'	S 23
S 24	0 12 6	1°5'48"	17°20'	22°47'	29°37'	6°35'	8°45'	27°44'	4°31'	28°57'	23°40'	18°14'	17°21'	7°14'	15°43'	S 24
M 25	0 16 2	2°4'47"	2 ^h 26'	22°R48	0 ^h 52'	7°16'	8°57'	27°51'	4°29'	28°59'	23°39'	18°4'	17°18'	7°21'	15°50'	M 25
T 26	0 19 59	3°3'49"	17°23'	22°42'	2°7'	7°58'	9°10'	27°57'	4°27'	29°1'	23°38'	17°56'	17°15'	7°28'	15°56'	T 26
W 27	0 23 55	4°2'52"	2 ^h 3'	22°29'	3°22'	8°39'	9°22'	28°4'	4°25'	29°3'	23°37'	17°50'	17°12'	7°34'	16°2'	W 27
T 28	0 27 52	5°1'58"	16°22'	22°8'	4°36'	9°21'	9°35'	28°11'	4°23'	29°5'	23°36'	17°47'	17°9'	7°41'	16°8'	T 28
F 29	0 31 48	6°1'07"	0 ^h 17'	21°40'	5°51'	10°2'	9°47'	28°18'	4°21'	29°6'	23°35'	17°46'	17°5'	7°48'	16°14'	F 29
S 30	0 35 45	7 ^h 0'17"	13 ^h 50'	21 ^h 3'	7 ^h 6'	10 ^h 44'	9 ^h 59'	28 ^h 25'	4 ^h 19'	29 ^h 8'	23 ^h 34'	17 ^h 34'	17 ^h 3'	7 ^h 55'	16 ^h 20'	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	8n21	25n42	2n36	2s17	1s 9	12n23	1n19	8s15	0s 1	11n 0	0n56	7s40	2n19	12n47	0s30	12n43	0n37	6s43	17s15	21s59	22s12	17s45	11n 1	6s 9	
S 2	7 59	24 55	1 29	2 56	1 17	11 57	1 20	8 30	0 2	10 55	0 56	7 42	2 19	12 46	0 30	12 42	0 37	6 44	17 15	21 59	22 13	17 47	10 59	6 10	
S 3	7 37	22 43	0 18	3 34	1 26	11 31	1 21	8 46	0 3	10 50	0 56	7 45	2 19	12 46	0 30	12 42	0 37	6 44	17 15	21 58	22 13	17 49	10 57	6 10	
M 4	7 15	19 20	0s53	4 12	1 34	11 4	1 21	9 1	0 3	10 45	0 56	7 47	2 18	12 45	0 30	12 41	0 37	6 45	17 16	21 59	22 13	17 51	10 54	6 10	
T 5	6 53	15 4	1 59	4 49	1 43	10 37	1 22	9 17	0 4	10 41	0 56	7 49	2 18	12 45	0 30	12 40	0 37	6 45	17 16	21 59	22 14	17 53	10 52	6 10	
W 6	6 30	10 11	2 59	5 25	1 51	10 10	1 23	9 32	0 5	10 36	0 56	7 51	2 18	12 45	0 30	12 39	0 37	6 46	17 16	22 0	22 14	17 56	10 50	6 10	
T 7	6 8	4 57	3 48	6 0	1 59	9 43	1 23	9 48	0 5	10 31	0 56	7 54	2 18	12 44	0 30	12 39	0 37	6 46	17 16	22 1	22 15	17 58	10 48	6 11	
F 8	5 45	0s22	4 26	6 34	2 8	9 15	1 24	10 3	0 6	10 27	0 56	7 56	2 18	12 44	0 30	12 38	0 37	6 47	17 16	22 2	22 15	18 0	10 45	6 11	
S 9	5 22	5 37	4 51	7 7	2 16	8 47	1 24	10 18	0 7	10 22	0 57	7 58	2 18	12 43	0 30	12 37	0 37	6 47	17 17	22 4	22 16	18 2	10 43	6 11	
S 10	5 0	10 34	5 3	7 40	2 24	8 19	1 24	10 33	0 7	10 17	0 57	8 1	2 17	12 43	0 30	12 36	0 37	6 48	17 17	22 5	22 16	18 4	10 41	6 11	
M11	4 37	15 5	5 1	8 11	2 32	7 50	1 25	10 49	0 8	10 13	0 57	8 3	2 17	12 42	0 30	12 36	0 37	6 48	17 17	22 7	22 16	18 6	10 39	6 12	
T 12	4 14	18 59	4 46	8 41	2 39	7 22	1 25	11 4	0 9	10 8	0 57	8 5	2 17	12 42	0 30	12 35	0 37	6 49	17 17	22 8	22 17	18 8	10 37	6 12	
W13	3 51	22 7	4 19	9 9	2 47	6 53	1 25	11 19	0 9	10 3	0 57	8 8	2 17	12 41	0 30	12 34	0 37	6 49	17 17	22 9	22 17	18 10	10 34	6 12	
T 14	3 28	24 19	3 41	9 36	2 54	6 24	1 25	11 34	0 10	9 59	0 57	8 10	2 17	12 41	0 30	12 33	0 37	6 50	17 18	22 9	22 18	18 12	10 32	6 13	
F 15	3 4	25 27	2 52	10 2	3 1	5 54	1 25	11 49	0 11	9 54	0 57	8 13	2 17	12 40	0 30	12 33	0 37	6 50	17 18	22 10	22 18	18 14	10 30	6 13	
S 16	2 41	25 23	1 56	10 26	3 8	5 25	1 25	12 4	0 11	9 49	0 57	8 15	2 17	12 40	0 30	12 32	0 37	6 51	17 18	22 10	22 18	18 16	10 28	6 13	
S 17	2 18	24 3	0 52	10 48	3 14	4 55	1 25	12 19	0 12	9 45	0 57	8 17	2 17	12 39	0 30	12 31	0 37	6 51	17 18	22 10	22 19	18 18	10 25	6 14	
M18	1 54	21 28	0n16	11 8	3 19	4 26	1 25	12 33	0 13	9 40	0 57	8 20	2 16	12 38	0 30	12 31	0 37	6 52	17 18	22 10	22 19	18 20	10 23	6 14	
T 19	1 31	17 41	1 25	11 26	3 25	3 56	1 25	12 48	0 13	9 35	0 57	8 22	2 16	12 38	0 30	12 30	0 37	6 52	17 19	22 10	22 20	18 22	10 21	6 14	
W20	1 8	12 52	2 31	11 42	3 29	3 26	1 24	13 3	0 14	9 31	0 57	8 25	2 16	12 37	0 30	12 29	0 37	6 53	17 19	22 10	22 20	18 24	10 19	6 15	
T 21	0 44	7 13	3 31	11 55	3 33	2 56	1 24	13 17	0 15	9 26	0 58	8 27	2 16	12 37	0 30	12 29	0 37	6 53	17 19	22 11	22 21	18 26	10 17	6 15	
F 22	0 21	1 2	4 18	12 5	3 36	2 26	1 24	13 32	0 15	9 21	0 58	8 30	2 16	12 36	0 30	12 28	0 37	6 54	17 19	22 12	22 21	18 28	10 14	6 15	
S 23	0s 3	5n19	4 50	12 13	3 39	1 55	1 23	13 46	0 16	9 17	0 58	8 32	2 16	12 35	0 30	12 27	0 37	6 54	17 19	22 13	22 21	18 30	10 12	6 16	
S 24	0 26	11 27	5 1	12 17	3 40	1 25	1 22	14 0	0 17	9 12	0 58	8 35	2 16	12 35	0 30	12 27	0 37	6 55	17 19	22 15	22 22	18 32	10 10	6 16	
M25	0 50	16 54	4 52	12 18	3 41	0 54	1 22	14 15	0 17	9 8	0 58	8 37	2 16	12 34	0 30	12 26	0 37	6 55	17 19	22 16	22 22	18 34	10 8	6 16	
T 26	1 13	21 15	4 23	12 15	3 40	0 24	1 21	14 29	0 18	9 3	0 58	8 40	2 16	12 33	0 30	12 25	0 37	6 56	17 20	22 17	22 23	18 35	10 6	6 17	
W27	1 37	24 9	3 37	12 8	3 38	0s 7	1 20	14 43	0 19	8 58	0 58	8 42	2 15	12 33	0 30	12 25	0 37	6 56	17 20	22 18	22 23	18 37	10 3	6 17	
T 28	2 0	25 25	2 38	11 57	3 34	0 37	1 20	14 57	0 19	8 54	0 58	8 45	2 15	12 32	0 30	12 24	0 37	6 56	17 20	22 18	22 23	18 39	10 1	6 18	
F 29	2 24	25 1	1 31	11 42	3 39	1 8	1 19	15 11	0 20	8 49	0 58	8 47	2 15	12 31	0 30	12 23	0 37	6 57	17 20	22 19	22 24	18 41	9 59	6 18	
S 30	2s47	23n 7	0n21	11s21	3s22	1s38	1n18	15s24	0s21	8n45	0n59	8s50	2n15	12n31	0s30	12n23	0n37	6s57	17s20	22s19	22s24	18s43	9n57	6s18	

ASTRODIENST EPHEMERIS for the year 1600
geocentric

OCTOBER 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 41	7♂59°30	27☾ 3	20°R19	8♂21	11♂26	10♂11	28♂32	4°R17	29♂10	23°R32	17°R45	16♂59	8♂ 1	16♂26	S 1
M 2	0 43 38	8°58'46	9♂58	19♂27	9°36	12° 8	10°24	28°39	4♂15	29°12	23°Y31	17♂44	16°56	8° 8	16°32	M 2
T 3	0 47 35	9°58'03	22°38	18°29	10°51	12°50	10°36	28°45	4°13	29°14	23°30	17°40	16°53	8°15	16°38	T 3
W 4	0 51 31	10°57'23	5♂ 7	17°25	12° 6	13°32	10°48	28°52	4°10	29°15	23°29	17°33	16°50	8°21	16°44	W 4
T 5	0 55 28	11°56'45	17°26	16°17	13°21	14°14	11° 0	28°59	4° 8	29°17	23°28	17°23	16°46	8°28	16°50	T 5
F 6	0 59 24	12°56'09	29°37	15° 5	14°37	14°56	11°12	29° 6	4° 6	29°19	23°27	17°10	16°43	8°35	16°55	F 6
S 7	1 3 21	13°55'36	11♂41	13°53	15°52	15°38	11°24	29°14	4° 4	29°21	23°26	16°56	16°40	8°41	17° 1	S 7
S 8	1 7 17	14°55'04	23°40	12°42	17° 7	16°21	11°36	29°21	4° 1	29°22	23°25	16°42	16°37	8°48	17° 6	S 8
M 9	1 11 14	15°54'34	5♂33	11°33	18°22	17° 3	11°48	29°28	3°59	29°24	23°24	16°28	16°34	8°55	17°12	M 9
T 10	1 15 10	16°54'07	17°24	10°30	19°37	17°46	11°59	29°35	3°57	29°26	23°22	16°15	16°31	9° 2	17°17	T 10
W11	1 19 7	17°53'41	29°13	9°34	20°52	18°28	12°11	29°42	3°54	29°27	23°21	16° 6	16°27	9° 8	17°22	W11
T 12	1 23 4	18°53'17	11♂ 4	8°46	22° 7	19°11	12°23	29°49	3°52	29°29	23°20	15°59	16°24	9°15	17°27	T 12
F 13	1 27 0	19°52'55	23° 1	8° 9	23°22	19°53	12°34	29°56	3°50	29°30	23°19	15°55	16°21	9°22	17°33	F 13
S 14	1 30 57	20°52'35	5♂ 7	7°41	24°37	20°36	12°46	0♂ 3	3°47	29°32	23°18	15°53	16°18	9°28	17°38	S 14
S 15	1 34 53	21°52'17	17°28	7°25	25°52	21°19	12°57	0°10	3°45	29°34	23°17	15°53	16°15	9°35	17°43	S 15
M16	1 38 50	22°52'00	0♂ 8	7°D20	27° 7	22° 2	13° 9	0°18	3°42	29°35	23°16	15°53	16°11	9°42	17°47	M16
T 17	1 42 46	23°51'45	13°13	7°27	28°23	22°45	13°20	0°25	3°40	29°37	23°14	15°52	16° 8	9°49	17°52	T 17
W18	1 46 43	24°51'32	26°47	7°44	29°38	23°28	13°31	0°32	3°38	29°38	23°13	15°49	16° 5	9°55	17°57	W18
T 19	1 50 39	25°51'20	10♂51	8°11	0♂53	24°11	13°43	0°39	3°35	29°39	23°12	15°43	16° 2	10° 2	18° 2	T 19
F 20	1 54 36	26°51'10	25°25	8°48	2° 8	24°54	13°54	0°46	3°33	29°41	23°11	15°35	15°59	10° 9	18° 6	F 20
S 21	1 58 33	27°51'02	10°Y24	9°33	3°23	25°37	14° 5	0°54	3°30	29°42	23°10	15°25	15°56	10°15	18°11	S 21
S 22	2 2 29	28°50'56	25°39	10°26	4°38	26°20	14°16	1° 1	3°28	29°44	23° 9	15°13	15°52	10°22	18°15	S 22
M23	2 6 26	29°50'52	10♂59	11°25	5°53	27° 4	14°27	1° 8	3°25	29°45	23° 8	15° 3	15°49	10°29	18°19	M23
T 24	2 10 22	0♂50'49	26°13	12°31	7° 9	27°47	14°37	1°15	3°23	29°46	23° 7	14°54	15°46	10°36	18°23	T 24
W25	2 14 19	1°50'49	11♂11	13°42	8°24	28°31	14°48	1°22	3°20	29°47	23° 5	14°48	15°43	10°42	18°28	W25
T 26	2 18 15	2°50'51	25°46	14°58	9°39	29°14	14°59	1°30	3°18	29°49	23° 4	14°44	15°40	10°49	18°32	T 26
F 27	2 22 12	3°50'55	9☾53	16°17	10°54	29°58	15° 9	1°37	3°15	29°50	23° 3	14°D43	15°37	10°56	18°36	F 27
S 28	2 26 8	4°51'02	23°33	17°40	12° 9	0♂41	15°20	1°44	3°13	29°51	23° 2	14°43	15°33	11° 2	18°39	S 28
S 29	2 30 5	5°51'10	6♂47	19° 5	13°24	1°25	15°30	1°51	3°10	29°52	23° 1	14°R43	15°30	11° 9	18°43	S 29
M30	2 34 2	6°51'20	19°39	20°33	14°40	2° 9	15°40	1°59	3° 8	29°53	23° 0	14°42	15°27	11°16	18°47	M30
T 31	2 37 58	7♂51'33	2♂12	22♂ 3	15♂55	2♂53	15♂51	2♂ 6	3♂ 5	29♂54	22°Y59	14♂40	15♂24	11♂23	18♂50	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	3s11	20n 0	0s49	10s57	3s14	2s 9	1n17	15s38	0s21	8n40	0n59	8s52	2n15	12n30	0s30	12n22	0n37	6s58	17s20	22s19	22s25	18s45	9n55	6s19						
M 2	3 34	15 57	1 54	10 27	3 3	2 39	1 16	15 51	0 22	8 36	0 59	8 55	2 15	12 29	0 30	12 22	0 37	6 58	17 20	22 19	22 25	18 47	9 53	6 19						
T 3	3 57	11 16	2 53	9 54	2 51	3 10	1 15	16 5	0 22	8 31	0 59	8 57	2 15	12 28	0 30	12 21	0 37	6 59	17 20	22 19	22 25	18 49	9 51	6 20						
W 4	4 21	6 13	3 42	9 16	2 37	3 40	1 13	16 18	0 23	8 27	0 59	9 0	2 15	12 28	0 30	12 20	0 37	6 59	17 20	22 20	22 26	18 51	9 49	6 20						
T 5	4 44	0 59	4 20	8 35	2 21	4 10	1 12	16 31	0 24	8 22	0 59	9 2	2 15	12 27	0 30	12 20	0 37	7 0	17 20	22 22	22 26	18 53	9 46	6 21						
F 6	5 7	4s13	4 46	7 51	2 3	4 41	1 11	16 44	0 24	8 18	0 59	9 5	2 15	12 26	0 30	12 19	0 37	7 0	17 20	22 23	22 27	18 55	9 44	6 21						
S 7	5 30	9 12	4 58	7 6	1 44	5 11	1 10	16 57	0 25	8 13	0 59	9 7	2 15	12 25	0 30	12 19	0 37	7 1	17 20	22 25	22 27	18 57	9 42	6 22						
S 8	5 53	13 48	4 57	6 19	1 25	5 41	1 8	17 10	0 26	8 9	1 0	9 10	2 15	12 25	0 30	12 18	0 37	7 1	17 20	22 27	22 27	18 58	9 40	6 22						
M 9	6 16	17 51	4 43	5 34	1 4	6 11	1 7	17 23	0 26	8 4	1 0	9 13	2 15	12 24	0 30	12 17	0 37	7 1	17 21	22 29	22 28	19 0	9 38	6 22						
T 10	6 39	21 10	4 17	4 50	0 44	6 41	1 5	17 36	0 27	8 0	1 0	9 15	2 14	12 23	0 30	12 17	0 37	7 2	17 21	22 30	22 28	19 2	9 36	6 23						
W11	7 2	23 36	3 40	4 9	0 23	7 11	1 4	17 48	0 27	7 56	1 0	9 18	2 14	12 22	0 30	12 16	0 37	7 2	17 21	22 31	22 29	19 4	9 34	6 23						
T 12	7 25	25 0	2 53	3 32	0 3	7 40	1 2	18 0	0 28	7 51	1 0	9 20	2 14	12 21	0 30	12 16	0 37	7 3	17 21	22 32	22 29	19 6	9 32	6 24						
F 13	7 47	25 16	1 58	3 0	0n16	8 10	1 1	18 13	0 29	7 47	1 0	9 23	2 14	12 21	0 30	12 15	0 37	7 3	17 21	22 32	22 29	19 8	9 30	6 24						
S 14	8 10	24 20	0 57	2 33	0 34	8 39	0 59	18 25	0 29	7 43	1 0	9 25	2 14	12 20	0 30	12 15	0 38	7 4	17 21	22 33	22 30	19 10	9 28	6 25						
S 15	8 32	22 13	0n 8	2 11	0 50	9 8	0 57	18 36	0 30	7 38	1 1	9 28	2 14	12 19	0 30	12 14	0 38	7 4	17 21	22 33	22 30	19 11	9 26	6 26						
M16	8 55	18 57	1 15	1 55	1 5	9 37	0 55	18 48	0 30	7 34	1 1	9 30	2 14	12 18	0 30	12 14	0 38	7 4	17 21	22 33	22 30	19 13	9 24	6 26						
T 17	9 17	14 40	2 19	1 46	1 18	10 5	0 54	19 0	0 31	7 30	1 1	9 33	2 14	12 17	0 30	12 13	0 38	7 5	17 21	22 33	22 31	19 15	9 22	6 27						
W18	9 39	9 30	3 18	1 42	1 30	10 34	0 52	19 11	0 31	7 26	1 1	9 35	2 14	12 17	0 30	12 13	0 38	7 5	17 21	22 33	22 31	19 17	9 20	6 27						
T 19	10 1	3 42	4 8	1 43	1 40	11 2	0 50	19 23	0 32	7 22	1 1	9 38	2 14	12 16	0 30	12 12	0 38	7 6	17 21	22 34	22 32	19 19	9 18	6 28						
F 20	10 22	2n30	4 43	1 50	1 48	11 30	0 48	19 34	0 33	7 18	1 1	9 40	2 14	12 15	0 30	12 12	0 38	7 6	17 21	22 35	22 32	19 21	9 16	6 28						
S 21	10 44	8 43	5 0	2 2	1 55	11 57	0 46	19 45	0 33	7 13	1 1	9 43	2 14	12 14	0 30	12 11	0 38	7 6	17 21	22 36	22 32	19 22	9 15	6 29						
S 22	11 5	14 31	4 56	2 17	2 0	12 24	0 44	19 55	0 34	7 9	1 2	9 45	2 14	12 13	0 30	12 11	0 38	7 7	17 20	22 37	22 33	19 24	9 13	6 29						
M23	11 27	19 27	4 31	2 37	2 4	12 51	0 42	20 6	0 34	7 5	1 2	9 48	2 14	12 12	0 30	12 10	0 38	7 7	17 20	22 38	22 33	19 26	9 11	6 30						
T 24	11 48	23 1	3 47	3 0	2 7	13 18	0 40	20 16	0 35	7 1	1 2	9 51	2 14	12 12	0 30	12 10	0 38	7 7	17 20	22 39	22 33	19 28	9 9	6 30						
W25	12 9	24 56	2 48	3 26	2 9	13 44	0 38	20 27	0 35	6 57	1 2	9 53	2 14	12 11	0 30	12 10	0 38	7 8	17 20	22 40	22 34	19 30	9 7	6 31						
T 26	12 29	25 4	1 39	3 55	2 9	14 10	0 35	20 37	0 36	6 53	1 2	9 56	2 14	12 10	0 30	12 9	0 38	7 8	17 20	22 41	22 34	19 31	9 6	6 32						
F 27	12 50	23 33	0 26	4 26	2 9	14 36	0 33	20 47	0 36	6 49	1 2	9 58	2 14	12 9	0 30	12 9	0 38	7 8	17 20	22 41	22 35	19 33	9 4	6 32						
S 28	13 10	20 40	0s47	4 59	2 8	15 1	0 31	20 57	0 37	6 45	1 3	10 0	2 14	12 8	0 30	12 8	0 38	7 9	17 20	22 41	22 35	19 35	9 2	6 33						
S 29	13 30	16 46	1 54	5 33	2 6	15 26	0 29	21 6	0 38	6 42	1 3	10 3	2 14	12 7	0 30	12 8	0 38	7 9	17 20	22 41	22 35	19 37	9 0	6 33						
M30	13 50	12 12	2 54	6 9	2 3	15 51	0 27	21 15	0 38	6 38	1 3	10 5	2 14	12 7	0 30	12 8	0 38	7 9	17 20	22 41	22 36	19 39	8 59	6 34						
T 31	14s10	7n13	3s44	6s45	2n 0	16s15	0n24	21s25	0s39	6n34	1n 3	10s 8	2n14	12n 6	0s30	12n 7	0n38	7s10	17s20	22s41	22s36	19s40	8n57	6s35						

Julian Day Number = 2305721.5, Delta T = 87.81 sec
Ecliptic obliquity = 23°29'32", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'06", Lahiri = 18°17'06"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1600
geocentric

NOVEMBER 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 41 55	8♐51'47	14♐32	23♐34	17♐10	3♏36	16♐1	2♐13	3°R 3	29♐55	22°R58	14°R34	15♏21	11♐29	18♐54	W 1
T 2	2 45 51	9°52'04	26°41	25° 7	18°25	4°20	16°11	2°20	3♏ 1	29°56	22°57	14♏26	15°17	11°36	18°57	T 2
F 3	2 49 48	10°52'22	8♐43	26°40	19°40	5° 4	16°21	2°27	2°58	29°57	22°55	14°16	15°14	11°43	19° 0	F 3
S 4	2 53 44	11°52'43	20°39	28°15	20°56	5°49	16°31	2°34	2°56	29°58	22°54	14° 4	15°11	11°49	19° 4	S 4
S 5	2 57 41	12°53'05	2♐32	29°49	22°11	6°33	16°40	2°42	2°53	29°59	22°53	13°51	15° 8	11°56	19° 7	S 5
M 6	3 1 37	13°53'29	14°23	1♐25	23°26	7°17	16°50	2°49	2°51	0♐ 0	22°52	13°39	15° 5	12° 3	19°10	M 6
T 7	3 5 34	14°53'54	26°14	3° 0	24°41	8° 1	16°59	2°56	2°48	0° 1	22°51	13°29	15° 2	12°10	19°13	T 7
W 8	3 9 30	15°54'22	8♏ 6	4°36	25°56	8°46	17° 9	3° 3	2°46	0° 2	22°50	13°20	14°58	12°16	19°15	W 8
T 9	3 13 27	16°54'51	20° 2	6°12	27°12	9°30	17°18	3°10	2°44	0° 3	22°49	13°15	14°55	12°23	19°18	T 9
F 10	3 17 24	17°55'21	2♏ 3	7°48	28°27	10°14	17°27	3°17	2°41	0° 3	22°48	13°12	14°52	12°30	19°21	F 10
S 11	3 21 20	18°55'53	14°12	9°24	29°42	10°59	17°36	3°24	2°39	0° 4	22°47	13°D11	14°49	12°36	19°23	S 11
S 12	3 25 17	19°56'26	26°34	11° 0	0♏57	11°43	17°45	3°31	2°36	0° 5	22°46	13°12	14°46	12°43	19°25	S 12
M13	3 29 13	20°57'00	9♐13	12°36	2°12	12°28	17°54	3°38	2°34	0° 6	22°45	13°13	14°42	12°50	19°28	M13
T 14	3 33 10	21°57'36	22°13	14°12	3°28	13°13	18° 3	3°45	2°32	0° 6	22°44	13°R14	14°39	12°56	19°30	T 14
W15	3 37 6	22°58'12	5♏38	15°48	4°43	13°58	18°12	3°52	2°30	0° 7	22°43	13°13	14°36	13° 3	19°32	W15
T 16	3 41 3	23°58'50	19°31	17°23	5°58	14°42	18°20	3°59	2°27	0° 7	22°42	13°10	14°33	13°10	19°34	T 16
F 17	3 45 0	24°59'29	3♏52	18°59	7°13	15°27	18°28	4° 6	2°25	0° 8	22°41	13° 5	14°30	13°17	19°36	F 17
S 18	3 48 56	26° 0'09	18°38	20°34	8°28	16°12	18°37	4°13	2°23	0° 8	22°40	12°59	14°27	13°23	19°37	S 18
S 19	3 52 53	27° 0'50	3♏43	22° 9	9°43	16°57	18°45	4°20	2°21	0° 9	22°39	12°51	14°23	13°30	19°39	S 19
M20	3 56 49	28° 1'33	19° 0	23°44	10°59	17°42	18°53	4°27	2°18	0° 9	22°38	12°44	14°20	13°37	19°40	M20
T 21	4 0 46	29° 2'17	4♐16	25°19	12°14	18°27	19° 1	4°33	2°16	0°10	22°38	12°38	14°17	13°43	19°42	T 21
W22	4 4 42	0♏3'02	19°21	26°54	13°29	19°12	19° 8	4°40	2°14	0°10	22°37	12°34	14°14	13°50	19°43	W22
T 23	4 8 39	1° 3'49	4♏ 6	28°29	14°44	19°57	19°16	4°47	2°12	0°10	22°36	12°32	14°11	13°57	19°44	T 23
F 24	4 12 35	2° 4'37	18°25	0♏ 3	15°59	20°43	19°24	4°54	2°10	0°11	22°35	12°D32	14° 8	14° 4	19°45	F 24
S 25	4 16 32	3° 5'26	2♐17	1°37	17°15	21°28	19°31	5° 0	2° 8	0°11	22°34	12°33	14° 4	14°10	19°46	S 25
S 26	4 20 29	4° 6'17	15°40	3°12	18°30	22°13	19°38	5° 7	2° 6	0°11	22°33	12°35	14° 1	14°17	19°47	S 26
M27	4 24 25	5° 7'09	28°38	4°46	19°45	22°59	19°45	5°14	2° 4	0°11	22°33	12°36	13°58	14°24	19°48	M27
T 28	4 28 22	6° 8'03	11♐14	6°20	21° 0	23°44	19°52	5°20	2° 2	0°12	22°32	12°R36	13°55	14°30	19°48	T 28
W29	4 32 18	7° 8'58	23°33	7°55	22°15	24°30	19°59	5°27	2° 0	0°12	22°31	12°35	13°52	14°37	19°49	W29
T 30	4 36 15	8♏ 9'54	5♐39	9♏29	23♏30	25♏15	20♐ 6	5♐33	1♏58	0♐12	22°30	12♏32	13♏48	14♐44	19♐49	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	14s29	2n 4	4s23	7s23	1n56	16s39	0n22	21s34	0s39	6n30	1n 3	10s10	2n14	12n 5	0s30	12n 7	0n38	7s10	17s20	22s42	22s36	19s42	8n55	6s35	
T 2	14 48	3s 6	4 49	8 1	1 52	17 2	0 20	21 42	0 40	6 26	1 4	10 13	2 14	12 4	0 30	12 7	0 38	7 10	17 20	22 42	22 37	19 44	8 54	6 36	
F 3	15 7	8 4	5 1	8 39	1 47	17 25	0 17	21 51	0 40	6 23	1 4	10 15	2 14	12 3	0 30	12 6	0 38	7 10	17 19	22 44	22 37	19 46	8 52	6 36	
S 4	15 26	12 43	5 1	9 17	1 42	17 47	0 15	21 59	0 41	6 19	1 4	10 18	2 14	12 2	0 30	12 6	0 38	7 11	17 19	22 45	22 38	19 47	8 51	6 37	
S 5	15 44	16 52	4 47	9 56	1 36	18 9	0 12	22 8	0 41	6 15	1 4	10 20	2 14	12 2	0 30	12 6	0 38	7 11	17 19	22 46	22 38	19 49	8 49	6 38	
M 6	16 3	20 20	4 21	10 34	1 31	18 31	0 10	22 15	0 42	6 12	1 4	10 22	2 14	12 1	0 30	12 5	0 38	7 11	17 19	22 47	22 38	19 51	8 48	6 38	
T 7	16 21	22 58	3 44	11 13	1 25	18 51	0 8	22 23	0 42	6 8	1 5	10 25	2 14	12 0	0 30	12 5	0 38	7 11	17 19	22 48	22 39	19 52	8 46	6 39	
W 8	16 38	24 36	2 56	11 51	1 19	19 12	0 5	22 31	0 43	6 5	1 5	10 27	2 14	11 59	0 30	12 5	0 38	7 12	17 19	22 49	22 39	19 54	8 45	6 40	
T 9	16 56	25 7	2 1	12 29	1 12	19 32	0 3	22 38	0 43	6 1	1 5	10 30	2 14	11 58	0 30	12 5	0 38	7 12	17 19	22 50	22 39	19 56	8 43	6 40	
F 10	17 13	24 28	1 0	13 6	1 6	19 51	0 0	22 45	0 44	5 58	1 5	10 32	2 14	11 57	0 30	12 4	0 38	7 12	17 18	22 50	22 40	19 58	8 42	6 41	
S 11	17 29	22 39	0n 5	13 43	0 59	20 10	0s 2	22 52	0 44	5 55	1 5	10 34	2 14	11 57	0 30	12 4	0 38	7 12	17 18	22 50	22 40	19 59	8 41	6 42	
S 12	17 46	19 43	1 11	14 20	0 53	20 28	0 5	22 59	0 45	5 51	1 6	10 37	2 14	11 56	0 30	12 4	0 38	7 12	17 18	22 50	22 40	20 1	8 39	6 42	
M13	18 2	15 49	2 15	14 56	0 46	20 46	0 7	23 5	0 45	5 48	1 6	10 39	2 14	11 55	0 30	12 4	0 38	7 13	17 18	22 50	22 41	20 3	8 38	6 43	
T 14	18 18	11 4	3 14	15 31	0 39	21 3	0 9	23 11	0 45	5 45	1 6	10 41	2 14	11 54	0 30	12 4	0 38	7 13	17 18	22 50	22 41	20 4	8 37	6 43	
W15	18 33	5 40	4 5	16 5	0 32	21 19	0 12	23 17	0 46	5 42	1 6	10 44	2 14	11 54	0 30	12 3	0 38	7 13	17 17	22 50	22 41	20 6	8 35	6 44	
T 16	18 49	0n10	4 42	16 39	0 25	21 35	0 14	23 23	0 46	5 38	1 6	10 46	2 15	11 53	0 30	12 3	0 38	7 13	17 17	22 50	22 42	20 8	8 34	6 45	
F 17	19 3	6 11	5 4	17 12	0 19	21 50	0 17	23 28	0 47	5 35	1 7	10 48	2 15	11 52	0 30	12 3	0 39	7 13	17 17	22 51	22 42	20 9	8 33	6 45	
S 18	19 18	12 2	5 6	17 45	0 12	22 5	0 19	23 34	0 47	5 32	1 7	10 50	2 15	11 51	0 30	12 3	0 39	7 13	17 17	22 51	22 42	20 11	8 32	6 46	
S 19	19 32	17 18	4 48	18 16	0 5	22 19	0 22	23 39	0 48	5 29	1 7	10 53	2 15	11 51	0 30	12 3	0 39	7 14	17 17	22 52	22 43	20 13	8 31	6 47	
M20	19 46	21 30	4 9	18 47	0s 2	22 32	0 24	23 43	0 48	5 26	1 7	10 55	2 15	11 50	0 30	12 3	0 39	7 14	17 16	22 53	22 43	20 14	8 30	6 47	
T 21	19 59	24 11	3 12	19 16	0 9	22 45	0 26	23 48	0 49	5 24	1 7	10 57	2 15	11 49	0 30	12 3	0 39	7 14	17 16	22 53	22 43	20 16	8 29	6 48	
W22	20 12	25 6	2 2	19 45	0 15	22 57	0 29	23 52	0 49	5 21	1 8	10 59	2 15	11 48	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 18	8 28	6 49	
T 23	20 25	24 11	0 46	20 13	0 22	23 8	0 31	23 56	0 49	5 18	1 8	11 1	2 15	11 48	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 19	8 27	6 49	
F 24	20 37	21 42	0s32	20 40	0 28	23 19	0 34	24 0	0 50	5 15	1 8	11 4	2 15	11 47	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 21	8 26	6 50	
S 25	20 49	17 59	1 45	21 6	0 35	23 29	0 36	24 3	0 50	5 12	1 8	11 6	2 15	11 46	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 22	8 25	6 51	
S 26	21 1	13 28	2 50	21 31	0 41	23 38	0 38	24 6	0 51	5 10	1 9	11 8	2 15	11 46	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 24	8 24	6 51	
M27	21 12	8 28	3 45	21 55	0 47	23 46	0 41	24 9	0 51	5 7	1 9	11 10	2 15	11 45	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 26	8 23	6 52	
T 28	21 23	3 16	4 26	22 17	0 53	23 54	0 43	24 12	0 52	5 5	1 9	11 12	2 15	11 44	0 30	12 2	0 39	7 14	17 15	22 54	22 46	20 27	8 22	6 53	
W29	21 33	1s56	4 55	22 39	0 59	24 1	0 45	24 15	0 52	5 2	1 9	11 14	2 16	11 44	0 30	12 2	0 39	7 14	17 14	22 54	22 46	20 29	8 21	6 53	
T 30	21s43	6s59	5s 9	23s 0	1s 5	24s 7	0s47	24s17	0s52	5n 0	1n10	11s16	2n16	11n43	0s30	12n 2	0n39	7s14	17s14	22s54	22s46	20s30	8n21	6s54	

ASTRODIENST EPHEMERIS for the year 1600

geocentric

DECEMBER 1600 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 40 11	9♂10'51	17♂36	11♂3	24♂45	26♂1	20♂12	5♂40	1♂R57	0♂12	22♂R29	12♂R27	13♂45	14♂50	19♂50	F 1
S 2	4 44 8	10°11'50	29°28	12°37	26°1	26°46	20°18	5°46	1♂55	0♂R12	22♂Y29	12♂Z21	13°42	14°57	19°50	S 2
S 3	4 48 4	11°12'50	11♂19	14°12	27°16	27°32	20°25	5°52	1°53	0°12	22°28	12°15	13°39	15°4	19°R50	S 3
M 4	4 52 1	12°13'51	23°10	15°46	28°31	28°18	20°31	5°59	1°51	0°12	22°27	12°9	13°36	15°11	19°50	M 4
T 5	4 55 58	13°14'52	5♂4	17°20	29°46	29°4	20°37	6°5	1°50	0°12	22°27	12°4	13°33	15°17	19°50	T 5
W 6	4 59 54	14°15'55	17°2	18°55	1♂1	29°49	20°42	6°11	1°48	0°12	22°26	12°1	13°29	15°24	19°49	W 6
T 7	5 3 51	15°16'59	29°6	20°29	2°16	0♂35	20°48	6°17	1°46	0°12	22°25	11°58	13°26	15°31	19°49	T 7
F 8	5 7 47	16°18'03	11♂18	22°4	3°32	1°21	20°53	6°23	1°45	0°11	22°25	11°D58	13°23	15°37	19°48	F 8
S 9	5 11 44	17°19'08	23°40	23°39	4°47	2°7	20°58	6°29	1°43	0°11	22°24	11°58	13°20	15°44	19°48	S 9
S 10	5 15 40	18°20'13	6♂14	25°13	6°2	2°53	21°4	6°35	1°42	0°11	22°24	11°59	13°17	15°51	19°47	S 10
M 11	5 19 37	19°21'19	19°1	26°48	7°17	3°39	21°8	6°41	1°40	0°11	22°23	12°1	13°14	15°57	19°46	M 11
T 12	5 23 33	20°22'25	2♂5	28°23	8°32	4°25	21°13	6°47	1°39	0°10	22°23	12°3	13°10	16°4	19°45	T 12
W 13	5 27 30	21°23'32	15°28	29°58	9°47	5°12	21°18	6°53	1°37	0°10	22°22	12°R3	13°7	16°11	19°44	W 13
T 14	5 31 27	22°24'38	29°12	1♂34	11°2	5°58	21°22	6°59	1°36	0°10	22°21	12°3	13°4	16°18	19°43	T 14
F 15	5 35 23	23°25'45	13♂Y18	3°9	12°17	6°44	21°26	7°5	1°35	0°9	22°21	12°2	13°1	16°24	19°42	F 15
S 16	5 39 20	24°26'52	27°43	4°44	13°32	7°30	21°31	7°10	1°34	0°9	22°21	12°1	12°58	16°31	19°40	S 16
S 17	5 43 16	25°27'59	12♂26	6°19	14°47	8°17	21°34	7°16	1°32	0°8	22°20	11°59	12°54	16°38	19°39	S 17
M 18	5 47 13	26°29'07	27°20	7°55	16°2	9°3	21°38	7°22	1°31	0°8	22°20	11°56	12°51	16°44	19°37	M 18
T 19	5 51 9	27°30'15	12♂19	9°30	17°17	9°49	21°42	7°27	1°30	0°7	22°19	11°55	12°48	16°51	19°36	T 19
W 20	5 55 6	28°31'23	27°12	11°5	18°32	10°36	21°45	7°32	1°29	0°7	22°19	11°54	12°45	16°58	19°34	W 20
T 21	5 59 2	29°32'31	11♂53	12°40	19°47	11°22	21°48	7°38	1°28	0°6	22°19	11°D53	12°42	17°4	19°32	T 21
F 22	6 2 59	0♂33'40	26°14	14°14	21°2	12°9	21°51	7°43	1°27	0°5	22°18	11°54	12°39	17°11	19°30	F 22
S 23	6 6 56	1°34'49	10♂11	15°49	22°17	12°55	21°54	7°48	1°26	0°5	22°18	11°54	12°35	17°18	19°28	S 23
S 24	6 10 52	2°35'58	23°43	17°22	23°32	13°42	21°57	7°53	1°26	0°4	22°18	11°55	12°32	17°25	19°26	S 24
M 25	6 14 49	3°37'07	6♂49	18°55	24°47	14°28	21°59	7°59	1°25	0°3	22°17	11°56	12°29	17°31	19°23	M 25
T 26	6 18 45	4°38'17	19°32	20°27	26°2	15°15	22°2	8°4	1°24	0°2	22°17	11°57	12°26	17°38	19°21	T 26
W 27	6 22 42	5°39'27	1♂55	21°58	27°17	16°2	22°4	8°8	1°23	0°2	22°17	11°R57	12°23	17°45	19°18	W 27
T 28	6 26 38	6°40'38	14°3	23°28	28°32	16°49	22°6	8°13	1°23	0°1	22°17	11°57	12°20	17°51	19°16	T 28
F 29	6 30 35	7°41'48	26°1	24°56	29°47	17°35	22°7	8°18	1°22	29♂59	22°17	11°57	12°16	17°58	19°13	F 29
S 30	6 34 32	8°42'59	7♂52	26°22	1♂2	18°22	22°9	8°23	1°21	29°59	22°16	11°56	12°13	18°5	19°10	S 30
S 31	6 38 28	9♂44'10	19♂42	27♂46	2♂17	19♂9	22♂10	8♂28	1♂21	29♂58	22♂Y16	11♂56	12♂10	18♂11	19♂7	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21s53	11s42	5s10	23s19	1s11	24s13	0s50	24s19	0s53	4n58	1n10	11s18	2n16	11n42	0s30	F 1
S 2	22 2	15 57	4 58	23 37	1 16	24 18	0 52	24 20	0 53	4 55	1 10	11 20	2 16	11 42	0 30	S 2
S 3	22 10	19 34	4 33	23 54	1 21	24 22	0 54	24 22	0 53	4 53	1 10	11 22	2 16	11 41	0 30	S 3
M 4	22 19	22 24	3 56	24 10	1 26	24 25	0 56	24 23	0 54	4 51	1 11	11 24	2 16	11 41	0 30	M 4
T 5	22 26	24 17	3 9	24 24	1 31	24 28	0 58	24 24	0 54	4 49	1 11	11 26	2 16	11 40	0 30	T 5
W 6	22 34	25 3	2 13	24 37	1 36	24 29	1 0	24 24	0 55	4 47	1 11	11 28	2 16	11 40	0 30	W 6
T 7	22 41	24 39	1 10	24 49	1 41	24 30	1 2	24 24	0 55	4 45	1 11	11 30	2 16	11 39	0 30	T 7
F 8	22 47	23 4	0 4	25 0	1 45	24 31	1 4	24 24	0 55	4 43	1 12	11 32	2 17	11 39	0 30	F 8
S 9	22 53	20 22	1n 4	25 9	1 49	24 30	1 6	24 24	0 56	4 41	1 12	11 34	2 17	11 38	0 30	S 9
S 10	22 59	16 40	2 10	25 17	1 52	24 29	1 8	24 24	0 56	4 39	1 12	11 36	2 17	11 38	0 30	S 10
M 11	23 4	12 8	3 10	25 23	1 56	24 27	1 10	24 23	0 56	4 38	1 12	11 37	2 17	11 37	0 30	M 11
T 12	23 8	6 59	4 2	25 28	1 59	24 24	1 12	24 22	0 57	4 36	1 13	11 39	2 17	11 37	0 30	T 12
W 13	23 13	1 24	4 43	25 31	2 2	24 21	1 13	24 20	0 57	4 34	1 13	11 41	2 17	11 36	0 30	W 13
T 14	23 16	4n23	5 8	25 33	2 4	24 17	1 15	24 19	0 57	4 33	1 13	11 43	2 17	11 36	0 29	T 14
F 15	23 20	10 6	5 16	25 34	2 7	24 12	1 17	24 17	0 58	4 32	1 13	11 44	2 17	11 35	0 29	F 15
S 16	23 22	15 25	5 4	25 33	2 8	24 6	1 18	24 14	0 58	4 30	1 14	11 46	2 18	11 35	0 29	S 16
S 17	23 25	19 55	4 32	25 30	2 10	23 59	1 20	24 12	0 58	4 29	1 14	11 48	2 18	11 35	0 29	S 17
M 18	23 27	23 13	3 42	25 26	2 11	23 52	1 21	24 9	0 58	4 28	1 14	11 49	2 18	11 34	0 29	M 18
T 19	23 28	24 54	2 37	25 20	2 11	23 44	1 23	24 6	0 59	4 27	1 15	11 51	2 18	11 34	0 29	T 19
W 20	23 29	24 48	1 20	25 13	2 12	23 36	1 24	24 3	0 59	4 25	1 15	11 53	2 18	11 34	0 29	W 20
T 21	23 29	22 58	0 0	25 4	2 11	23 26	1 25	23 59	0 59	4 24	1 15	11 54	2 18	11 33	0 29	T 21
F 22	23 29	19 40	1s19	24 53	2 10	23 16	1 27	23 55	1 0	4 23	1 15	11 56	2 19	11 33	0 29	F 22
S 23	23 29	15 19	2 31	24 41	2 9	23 5	1 28	23 51	1 0	4 23	1 16	11 57	2 19	11 33	0 29	S 23
S 24	23 28	10 19	3 32	24 28	2 7	22 54	1 29	23 47	1 0	4 22	1 16	11 59	2 19	11 32	0 29	S 24
M 25	23 27	5 0	4 20	24 12	2 4	22 42	1 30	23 42	1 0	4 21	1 16	12 0	2 19	11 32	0 29	M 25
T 26	23 25	0s21	4 53	23 56	2 1	22 29	1 31	23 37	1 1	4 20	1 17	12 2	2 19	11 32	0 29	T 26
W 27	23 22	5 32	5 13	23 37	1 57	22 15	1 32	23 32	1 1	4 20	1 17	12 3	2 19	11 32	0 29	W 27
T 28	23 19	10 25	5 17	23 18	1 53	22 1	1 33	23 26	1 1	4 19	1 17	12 5	2 20	11 31	0 29	T 28
F 29	23 16	14 50	5 8	22 57	1 47	21 46	1 34	23 21	1 1	4 19	1 17	12 6	2 20	11 31	0 29	F 29
S 30	23 12	18 40	4 46	22 35	1 41	21 31	1 35	23 15	1 1	4 19	1 18	12 7	2 20	11 31	0 29	S 30
S 31	23s 8	21s44	4s11	22s11	1s34	21s15	1s35	23s 8	1s 2	4n18	1n18	12s 9	2n20	11n31	0s29	S 31

Julian Day Number = 2305782.5, Delta T = 87.60 sec
 Ecliptic obliquity = 23°29'30, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°10'14, Lahiri = 18°17'14Greg. Calendar