



Astrodienst Ephemeris Tables for the year 2233

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 2233
geocentric

JANUARY 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 42 9	10 ³ 19'10	25 ² 21	0 ² 2	8°R25	27 ³ 30	26 ² 2	9 ¹ 26	1 ² 50	7°R48	7 ¹ 50	27 ³ 41	28 ³ 37	23 ¹ 53	0°R37	T 1
W 2	6 46 5	11°20'17	9 ¹ 8	0°57	8 ² 22	28°16	26°15	9°29	1°53	7°547	7°51	27°43	28°34	24° 0	0 ¹ 34	W 2
T 3	6 50 2	12°21'25	23° 4	1°46	8°16	29° 3	26°29	9°31	1°56	7°45	7°53	27°44	28°31	24° 7	0°32	T 3
F 4	6 53 58	13°22'33	7 ² 8	2°27	8° 8	29°50	26°42	9°33	1°59	7°43	7°54	27°R44	28°27	24°14	0°30	F 4
S 5	6 57 55	14°23'41	21°18	3° 0	7°58	0 ² 37	26°55	9°36	2° 2	7°42	7°55	27°44	28°24	24°20	0°28	S 5
S 6	7 1 51	15°24'50	5 ¹ 33	3°24	7°45	1°24	27° 9	9°38	2° 5	7°40	7°57	27°44	28°21	24°27	0°26	S 6
M 7	7 5 48	16°26'00	19°49	3°39	7°29	2°11	27°22	9°41	2° 8	7°38	7°58	27°43	28°18	24°34	0°24	M 7
T 8	7 9 45	17°27'10	4 ² 4	3°R42	7°11	2°58	27°35	9°44	2°11	7°37	7°59	27°41	28°15	24°40	0°22	T 8
W 9	7 13 41	18°28'20	18°13	3°34	6°51	3°45	27°48	9°47	2°14	7°35	8° 0	27°40	28°11	24°47	0°20	W 9
T 10	7 17 38	19°29'30	2 ³ 12	3°14	6°29	4°32	28° 1	9°50	2°17	7°33	8° 1	27°39	28° 8	24°54	0°18	T 10
F 11	7 21 34	20°30'40	15°59	2°42	6° 4	5°19	28°15	9°53	2°19	7°32	8° 2	27°38	28° 5	25° 1	0°16	F 11
S 12	7 25 31	21°31'50	29°29	1°59	5°37	6° 6	28°28	9°56	2°22	7°30	8° 3	27°D38	28° 2	25° 7	0°14	S 12
S 13	7 29 27	22°33'00	12 ² 41	1° 5	5° 9	6°53	28°41	10° 0	2°25	7°28	8° 4	27°38	27°59	25°14	0°13	S 13
M14	7 33 24	23°34'09	25°35	0° 1	4°38	7°40	28°54	10° 3	2°28	7°27	8° 5	27°39	27°56	25°21	0°11	M14
T 15	7 37 20	24°35'18	8 ² 10	28 ³ 51	4° 6	8°27	29° 7	10° 6	2°30	7°25	8° 6	27°39	27°52	25°28	0°10	T 15
W16	7 41 17	25°36'26	20°30	27°35	3°33	9°14	29°20	10°10	2°33	7°23	8° 7	27°40	27°49	25°34	0° 8	W16
T 17	7 45 14	26°37'34	2 ¹ 36	26°16	2°58	10° 2	29°32	10°14	2°35	7°22	8° 8	27°40	27°46	25°41	0° 7	T 17
F 18	7 49 10	27°38'41	14°34	24°56	2°23	10°49	29°45	10°18	2°38	7°20	8° 9	27°R40	27°43	25°48	0° 5	F 18
S 19	7 53 7	28°39'48	26°27	23°39	1°47	11°36	29°58	10°21	2°40	7°19	8°10	27°D40	27°40	25°54	0° 4	S 19
S 20	7 57 3	29°40'54	8 ² 20	22°26	1°10	12°23	0 ³ 11	10°25	2°43	7°17	8°10	27°40	27°37	26° 1	0° 3	S 20
M21	8 1 0	0 ² 41'59	20°17	21°19	0°33	13°11	0°23	10°29	2°45	7°16	8°11	27°40	27°33	26° 8	0° 2	M21
T 22	8 4 56	1°43'04	2 ¹ 25	20°20	29 ³ 56	13°58	0°36	10°34	2°48	7°14	8°12	27°40	27°30	26°15	0° 0	T 22
W23	8 8 53	2°44'07	14°45	19°29	29°19	14°45	0°49	10°38	2°50	7°13	8°12	27°41	27°27	26°21	29 ² 59	W23
T 24	8 12 49	3°45'10	27°22	18°48	28°43	15°33	1° 1	10°42	2°52	7°11	8°13	27°41	27°24	26°28	29°58	T 24
F 25	8 16 46	4°46'13	10 ² 18	18°15	28° 8	16°20	1°14	10°46	2°54	7°10	8°14	27°42	27°21	26°35	29°57	F 25
S 26	8 20 43	5°47'14	23°34	17°52	27°34	17° 7	1°26	10°51	2°57	7° 8	8°14	27°R42	27°17	26°41	29°57	S 26
S 27	8 24 39	6°48'15	7 ² 9	17°39	27° 1	17°55	1°39	10°56	2°59	7° 7	8°15	27°42	27°14	26°48	29°56	S 27
M28	8 28 36	7°49'14	21° 1	17°D33	26°30	18°42	1°51	11° 0	3° 1	7° 5	8°15	27°42	27°11	26°55	29°55	M28
T 29	8 32 32	8°50'14	5 ¹ 7	17°36	26° 0	19°29	2° 3	11° 5	3° 3	7° 4	8°16	27°40	27° 8	27° 2	29°54	T 29
W30	8 36 29	9°51'12	19°23	17°47	25°32	20°17	2°15	11°10	3° 5	7° 3	8°16	27°39	27° 5	27° 8	29°54	W30
T 31	8 40 25	10 ² 52'10	3 ² 44	18 ³ 4	25 ³ 6	21 ² 4	2 ³ 27	11 ¹ 15	3 ² 7	7 ² 1	8 ¹ 16	27 ³ 37	27 ³ 2	27 ¹ 15	29 ² 53	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	23s 1	10n45	2s27	21s18	1s13	16s54	1n17	21s43	1s 6	22s59	0n22	1n29	2s27	20s19	0n12	22n 6
W 2	22 56	4 54	3 29	20 55	1 2	16 41	1 32	21 33	1 6	23 0	0 22	1 30	2 27	20 19	0 12	22 7
T 3	22 50	1s14	4 20	20 33	0 49	16 28	1 46	21 24	1 6	23 0	0 22	1 31	2 27	20 20	0 12	22 7
F 4	22 44	7 22	4 56	20 10	0 36	16 16	2 1	21 14	1 6	23 0	0 22	1 32	2 26	20 21	0 12	22 7
S 5	22 38	13 9	5 14	19 48	0 21	16 4	2 16	21 4	1 6	23 1	0 22	1 34	2 26	20 21	0 12	22 7
S 6	22 31	18 16	5 13	19 27	0 5	15 53	2 31	20 54	1 6	23 1	0 22	1 35	2 26	20 22	0 12	22 7
M 7	22 24	22 22	4 53	19 8	0n11	15 42	2 46	20 43	1 6	23 2	0 21	1 36	2 26	20 22	0 12	22 7
T 8	22 16	25 6	4 15	18 50	0 29	15 31	3 2	20 33	1 6	23 2	0 21	1 37	2 25	20 23	0 12	22 7
W 9	22 8	26 14	3 21	18 34	0 48	15 21	3 17	20 22	1 6	23 2	0 21	1 39	2 25	20 23	0 12	22 7
T 10	22 0	25 40	2 16	18 20	1 6	15 11	3 33	20 11	1 6	23 2	0 21	1 40	2 25	20 24	0 12	22 7
F 11	21 51	23 31	1 4	18 9	1 26	15 2	3 49	19 59	1 6	23 3	0 21	1 42	2 25	20 25	0 12	22 8
S 12	21 41	20 4	0n10	18 0	1 45	14 54	4 4	19 48	1 6	23 3	0 21	1 43	2 24	20 25	0 12	22 8
S 13	21 32	15 40	1 22	17 53	2 3	14 46	4 19	19 36	1 6	23 3	0 21	1 45	2 24	20 26	0 12	22 8
M14	21 21	10 39	2 29	17 50	2 21	14 38	4 34	19 24	1 6	23 3	0 21	1 46	2 24	20 26	0 12	22 8
T 15	21 11	5 18	3 26	17 49	2 37	14 31	4 49	19 12	1 6	23 3	0 21	1 48	2 24	20 27	0 12	22 8
W16	21 0	0n 7	4 13	17 50	2 51	14 25	5 3	18 59	1 6	23 4	0 21	1 49	2 23	20 27	0 12	22 8
T 17	20 48	5 26	4 47	17 53	3 3	14 19	5 17	18 46	1 6	23 4	0 21	1 51	2 23	20 28	0 12	22 8
F 18	20 36	10 29	5 9	17 57	3 13	14 14	5 31	18 34	1 6	23 4	0 21	1 53	2 23	20 28	0 12	22 8
S 19	20 24	15 7	5 17	18 3	3 20	14 9	5 44	18 21	1 6	23 4	0 21	1 54	2 23	20 29	0 12	22 8
S 20	20 12	19 11	5 12	18 11	3 25	14 5	5 56	18 7	1 6	23 4	0 21	1 56	2 23	20 29	0 12	22 8
M21	19 59	22 30	4 53	18 19	3 27	14 1	6 7	17 54	1 6	23 4	0 21	1 58	2 22	20 30	0 12	22 9
T 22	19 45	24 53	4 21	18 28	3 27	13 58	6 18	17 40	1 6	23 4	0 21	2 0	2 22	20 30	0 12	22 9
W23	19 31	26 7	3 36	18 37	3 24	13 56	6 28	17 26	1 6	23 4	0 20	2 2	2 22	20 31	0 12	22 9
T 24	19 17	26 3	2 40	18 47	3 20	13 54	6 38	17 12	1 6	23 4	0 20	2 3	2 22	20 31	0 12	22 9
F 25	19 3	24 35	1 35	18 57	3 15	13 52	6 46	16 58	1 6	23 4	0 20	2 5	2 21	20 31	0 12	22 9
S 26	18 48	21 44	0 23	19 7	3 8	13 51	6 54	16 44	1 6	23 4	0 20	2 7	2 21	20 32	0 12	22 9
S 27	18 33	17 37	0s52	19 17	3 0	13 51	7 1	16 29	1 6	23 4	0 20	2 9	2 21	20 32	0 12	22 9
M28	18 17	12 29	2 6	19 26	2 51	13 51	7 6	16 14	1 5	23 4	0 20	2 11	2 21	20 33	0 12	22 9
T 29	18 2	6 38	3 13	19 35	2 41	13 51	7 12	15 59	1 5	23 4	0 20	2 13	2 21	20 33	0 12	22 9
W30	17 46	0 23	4 8	19 44	2 31	13 52	7 16	15 44	1 5	23 3	0 20	2 15	2 20	20 33	0 12	22 10
T 31	17s29	5s54	4s49	19s52	2n20	13s53	7n19	15s29	1s 5	23s 3	0n20	2n17	2s20	20s34	0n12	22n10

Julian Day Number = 2536646.5, Delta T = 198.91 sec
Ecliptic obliquity = 23°24'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°59'48, Lahiri = 27°06'48

ASTRODIENST EPHEMERIS for the year 2233

geocentric

FEBRUARY 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 44 22	11 ⁵³ 07	18 ⁵	18 ²⁸	24 ^{R42}	21 ⁵²	2 ³⁹	11 ²⁰	3 ⁹	7 ^{R 0}	8 ¹⁷	27 ^{R36}	26 ⁵⁸	27 ²²	29 ^{R53}	F 1
S 2	8 48 18	12 ⁵⁴ 03	2 ²²	18 ⁵⁸	24 ²¹	22 ³⁹	2 ⁵¹	11 ²⁵	3 ¹¹	6 ⁵⁸	8 ¹⁷	27 ³⁵	26 ⁵⁵	27 ²⁹	29 ⁵³	S 2
S 3	8 52 15	13 ⁵⁴ 59	16 ³³	19 ³³	24 ²	23 ²⁶	3 ³	11 ³⁰	3 ¹³	6 ⁵⁷	8 ¹⁷	27 ^{D35}	26 ⁵²	27 ³⁵	29 ⁵²	S 3
M 4	8 56 12	14 ⁵⁵ 55	0 ³⁶	20 ¹³	23 ⁴⁵	24 ¹⁴	3 ¹⁵	11 ³⁵	3 ¹⁴	6 ⁵⁶	8 ¹⁸	27 ³⁵	26 ⁴⁹	27 ⁴²	29 ⁵²	M 4
T 5	9 0 8	15 ⁵⁶ 50	14 ²⁹	20 ⁵⁷	23 ³¹	25 ¹	3 ²⁷	11 ⁴⁰	3 ¹⁶	6 ⁵⁵	8 ¹⁸	27 ³⁶	26 ⁴⁶	27 ⁴⁹	29 ⁵²	T 5
W 6	9 4 5	16 ⁵⁷ 44	28 ¹¹	21 ⁴⁶	23 ¹⁹	25 ⁴⁹	3 ³⁹	11 ⁴⁵	3 ¹⁸	6 ⁵³	8 ¹⁸	27 ³⁸	26 ⁴³	27 ⁵⁵	29 ⁵²	W 6
T 7	9 8 1	17 ⁵⁸ 37	11 ³⁴	22 ³⁸	23 ¹⁰	26 ³⁶	3 ⁵⁰	11 ⁵¹	3 ¹⁹	6 ⁵²	8 ¹⁸	27 ³⁹	26 ³⁹	28 ²	29 ^{D52}	T 7
F 8	9 11 58	18 ⁵⁹ 29	25 ⁰	23 ³³	23 ³	27 ²⁴	4 ²	11 ⁵⁶	3 ²¹	6 ⁵¹	8 ¹⁸	27 ^{R40}	26 ³⁶	28 ⁹	29 ⁵²	F 8
S 9	9 15 54	20 ⁰ 20	8 ⁵	24 ³²	22 ⁵⁸	28 ¹¹	4 ¹³	12 ²	3 ²²	6 ⁵⁰	8 ¹⁸	27 ³⁹	26 ³³	28 ¹⁶	29 ⁵²	S 9
S 10	9 19 51	21 ⁰ 10	21 ⁰	25 ³³	22 ^{D56}	28 ⁵⁹	4 ²⁵	12 ⁸	3 ²⁴	6 ⁴⁹	8 ^{R18}	27 ³⁸	26 ³⁰	28 ²²	29 ⁵²	S 10
M 11	9 23 47	22 ⁰ 159	3 ⁴¹	26 ³⁷	22 ⁵⁷	29 ⁴⁶	4 ³⁶	12 ¹³	3 ²⁵	6 ⁴⁸	8 ¹⁸	27 ³⁵	26 ²⁷	28 ²⁹	29 ⁵²	M 11
T 12	9 27 44	23 ⁰ 247	16 ⁸	27 ⁴³	23 ⁰	0 ³⁴	4 ⁴⁷	12 ¹⁹	3 ²⁷	6 ⁴⁷	8 ¹⁸	27 ³¹	26 ²³	28 ³⁶	29 ⁵²	T 12
W 13	9 31 41	24 ⁰ 333	28 ²⁴	28 ⁵¹	23 ⁵	1 ²¹	4 ⁵⁸	12 ²⁵	3 ²⁸	6 ⁴⁶	8 ¹⁸	27 ²⁶	26 ²⁰	28 ⁴³	29 ⁵³	W 13
T 14	9 35 37	25 ⁰ 418	10 ²⁹	0 ²	23 ¹³	2 ⁹	5 ⁹	12 ³¹	3 ²⁹	6 ⁴⁴	8 ¹⁸	27 ²¹	26 ¹⁷	28 ⁴⁹	29 ⁵³	T 14
F 15	9 39 34	26 ⁰ 501	22 ²⁶	1 ¹⁴	23 ²²	2 ⁵⁶	5 ²⁰	12 ³⁷	3 ³⁰	6 ⁴³	8 ¹⁸	27 ¹⁷	26 ¹⁴	28 ⁵⁶	29 ⁵⁴	F 15
S 16	9 43 30	27 ⁰ 543	4 ¹⁸	2 ²⁸	23 ³⁴	3 ⁴³	5 ³¹	12 ⁴³	3 ³²	6 ⁴³	8 ¹⁷	27 ¹³	26 ¹¹	29 ³	29 ⁵⁴	S 16
S 17	9 47 27	28 ⁰ 623	16 ¹⁰	3 ⁴³	23 ⁴⁸	4 ³¹	5 ⁴²	12 ⁴⁹	3 ³³	6 ⁴²	8 ¹⁷	27 ¹¹	26 ⁸	29 ⁹	29 ⁵⁵	S 17
M 18	9 51 23	29 ⁰ 701	28 ⁶	5 ¹	24 ⁵	5 ¹⁸	5 ⁵²	12 ⁵⁵	3 ³⁴	6 ⁴¹	8 ¹⁷	27 ^{D10}	26 ⁴	29 ¹⁶	29 ⁵⁶	M 18
T 19	9 55 20	0 ⁷ 738	10 ¹¹	6 ¹⁹	24 ²³	6 ⁶	6 ³	13 ¹	3 ³⁵	6 ⁴⁰	8 ¹⁷	27 ¹¹	26 ¹	29 ²³	29 ⁵⁷	T 19
W 20	9 59 16	1 ⁰ 813	22 ²⁸	7 ³⁹	24 ⁴³	6 ⁵³	6 ¹⁴	13 ⁷	3 ³⁶	6 ³⁹	8 ¹⁶	27 ¹²	25 ⁵⁸	29 ³⁰	29 ⁵⁷	W 20
T 21	10 3 13	2 ⁰ 847	5 ⁵	9 ⁰	25 ⁵	7 ⁴¹	6 ²⁴	13 ¹⁴	3 ³⁶	6 ³⁸	8 ¹⁶	27 ¹⁴	25 ⁵⁵	29 ³⁶	29 ⁵⁸	T 21
F 22	10 7 10	3 ⁰ 919	18 ²	10 ²³	25 ²⁸	8 ²⁸	6 ³⁴	13 ²⁰	3 ³⁷	6 ³⁷	8 ¹⁵	27 ¹⁵	25 ⁵²	29 ⁴³	29 ⁵⁹	F 22
S 23	10 11 6	4 ⁰ 948	1 ²⁵	11 ⁴⁷	25 ⁵⁴	9 ¹⁶	6 ⁴⁴	13 ²⁶	3 ³⁸	6 ³⁷	8 ¹⁵	27 ^{R16}	25 ⁴⁹	29 ⁵⁰	0 ¹¹ 0	S 23
S 24	10 15 3	5 ⁰ 1017	15 ¹⁴	13 ¹²	26 ²¹	10 ³	6 ⁵⁴	13 ³³	3 ³⁹	6 ³⁶	8 ¹⁴	27 ¹⁴	25 ⁴⁵	29 ⁵⁶	0 ¹	S 24
M 25	10 18 59	6 ⁰ 1043	29 ²⁶	14 ³⁸	26 ⁵⁰	10 ⁵⁰	7 ⁴	13 ³⁹	3 ³⁹	6 ³⁵	8 ¹⁴	27 ¹¹	25 ⁴²	0 ⁸ 3	0 ³	M 25
T 26	10 22 56	7 ⁰ 1108	13 ⁵⁸	16 ⁵	27 ²⁰	11 ³⁸	7 ¹⁴	13 ⁴⁶	3 ⁴⁰	6 ³⁴	8 ¹³	27 ⁶	25 ³⁹	0 ¹⁰	0 ⁴	T 26
W 27	10 26 52	8 ⁰ 1131	28 ⁴³	17 ³³	27 ⁵²	12 ²⁵	7 ²⁴	13 ⁵²	3 ⁴¹	6 ³⁴	8 ¹³	27 ⁰	25 ³⁶	0 ¹⁷	0 ⁵	W 27
T 28	10 30 49	9 ⁰ 1153	13 ³³	19 ³	28 ²⁶	13 ¹³	7 ³⁴	13 ⁵⁹	3 ⁴¹	6 ³³	8 ¹²	26 ⁵³	25 ³³	0 ⁸ 23	0 ¹¹ 7	T 28

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
F 1	17s12	11s53	5s12	20s 0	2n10	13s54	7n22	15s14	1s 5	23s 3	0n20	2n20	2s20	20s34	0n12	22n10	1s 4	1n40	16n46	20s37	20s44	15n19	16n26	3s45			
S 2	16 55	17 12	5 15	20 7	1 59	13 56	7 24	14 58	1 5	23 3	0 20	2 22	2 20	20 35	0 12	22 10	1 4	1 40	16 46	20 37	20 45	15 22	16 26	3 45			
S 3	16 38	21 32	4 59	20 13	1 48	13 58	7 25	14 42	1 5	23 3	0 20	2 24	2 20	20 35	0 12	22 10	1 4	1 41	16 47	20 37	20 45	15 24	16 26	3 45			
M 4	16 20	24 34	4 25	20 18	1 37	14 1	7 25	14 27	1 4	23 2	0 20	2 26	2 20	20 35	0 12	22 10	1 4	1 41	16 47	20 37	20 46	15 26	16 26	3 45			
T 5	16 2	26 5	3 36	20 22	1 26	14 3	7 25	14 11	1 4	23 2	0 20	2 28	2 19	20 36	0 12	22 10	1 4	1 42	16 48	20 37	20 47	15 29	16 26	3 44			
W 6	15 44	25 59	2 36	20 25	1 15	14 6	7 24	13 54	1 4	23 2	0 20	2 31	2 19	20 36	0 12	22 10	1 4	1 42	16 49	20 37	20 47	15 31	16 27	3 44			
T 7	15 25	24 20	1 27	20 27	1 4	14 9	7 22	13 38	1 4	23 2	0 20	2 33	2 19	20 36	0 12	22 10	1 4	1 43	16 49	20 36	20 48	15 34	16 27	3 44			
F 8	15 7	21 21	0 15	20 28	0 54	14 12	7 20	13 22	1 4	23 1	0 20	2 35	2 19	20 36	0 12	22 10	1 4	1 43	16 50	20 36	20 49	15 36	16 27	3 44			
S 9	14 48	17 18	0n57	20 29	0 44	14 16	7 18	13 5	1 4	23 1	0 19	2 37	2 19	20 37	0 12	22 11	1 4	1 44	16 50	20 36	20 49	15 39	16 27	3 44			
S 10	14 28	12 30	2 5	20 28	0 33	14 19	7 15	12 48	1 3	23 1	0 19	2 40	2 18	20 37	0 12	22 11	1 4	1 44	16 51	20 37	20 50	15 41	16 27	3 44			
M 11	14 9	7 16	3 5	20 25	0 23	14 22	7 11	12 32	1 3	23 0	0 19	2 42	2 18	20 37	0 12	22 11	1 4	1 45	16 51	20 37	20 50	15 43	16 27	3 43			
T 12	13 49	1 51	3 55	20 22	0 14	14 26	7 7	12 15	1 3	23 0	0 19	2 44	2 18	20 38	0 12	22 11	1 4	1 45	16 52	20 38	20 51	15 46	16 28	3 43			
W 13	13 29	3n33	4 34	20 18	0 4	14 29	7 3	11 58	1 3	23 0	0 19	2 47	2 18	20 38	0 12	22 11	1 3	1 46	16 52	20 39	20 52	15 48	16 28	3 43			
T 14	13 9	8 44	4 59	20 12	0s 5	14 33	6 58	11 40	1 3	22 59	0 19	2 49	2 18	20 38	0 12	22 11	1 3	1 46	16 53	20 40	20 52	15 51	16 28	3 43			
F 15	12 48	13 32	5 11	20 5	0 14	14 36	6 53	11 23	1 2	22 59	0 19	2 52	2 18	20 38	0 12	22 11	1 3	1 47	16 53	20 41	20 53	15 53	16 28	3 43			
S 16	12 28	17 48	5 10	19 57	0 22	14 40	6 47	11 6	1 2	22 59	0 19	2 54	2 17	20 39	0 12	22 11	1 3	1 47	16 54	20 41	20 53	15 55	16 29	3 43			
S 17	12 7	21 22	4 56	19 48	0 31	14 43	6 42	10 48	1 2	22 58	0 19	2 57	2 17	20 39	0 12	22 11	1 3	1 48	16 55	20 42	20 54	15 58	16 29	3 42			
M 18	11 46	24 4	4 28	19 37	0 39	14 46	6 36	10 31	1 2	22 58	0 19	2 59	2 17	20 39	0 12	22 11	1 3	1 48	16 55	20 42	20 55	16 0	16 29	3 42			
T 19	11 25	25 43	3 49	19 25	0 47	14 49	6 30	10 13	1 1	22 57	0 19	3 2	2 17	20 39	0 12	22 11	1 3	1 49	16 56	20 42	20 55	16 2	16 30	3 42			
W 20	11 3	26 10	2 58	19 12	0 54	14 52	6 23	9 55	1 1	22 57	0 19	3 4	2 17	20 39	0 12	22 11	1 3	1 50	16 56	20 42	20 56	16 5	16 30	3 42			
T 21	10 42	25 17	1 58	18 58	1 1	14 55	6 17	9 37	1 1	22 57	0 19	3 7	2 17	20 39	0 12	22 12	1 3	1 50	16 57	20 41	20 56	16 7	16 30	3 42			
F 22	10 20	23 1	0 50	18 43	1 8	14 57	6 10	9 19	1 1	22 56	0 19	3 9	2 17	20 40	0 12	22 12	1 3	1 51	16 57	20 41	20 57	16 9	16 31	3 42			
S 23	9 58	19 27	0s23	18 26	1 15	15 0	6 3	9 1	1 0	22 56	0 19	3 12	2 16	20 40	0 12	22 12	1 3	1 52	16 58	20 41	20 57	16 12	16 31	3 42			
S 24	9 36	14 43	1 36	18 8	1 21	15 2	5 56	8 43	1 0	22 55	0 19	3 15	2 16	20 40	0 12	22 12	1 3	1 52	16 58	20 41	20 58	16 14	16 31	3 41			
M 25	9 14	9 4	2 46	17 48	1 27	15 3	5 49	8 25	1 0	22 55	0 19	3 17	2 16	20 40	0 12	22 12	1 3	1 53	16 59	20 42	20 59	16 16	16 32	3 41			
T 26	8 52	2 49	3 46	17 28	1 32	15 5	5 42	8 7	0 59	22 54	0 19	3 20	2 16	20 40	0 12	22 12	1 3	1 53	16 59	20 43	20 59	16 19	16 32	3 41			
W 27	8 29	3s39	4 32	17 6	1 37	15 6	5 34	7 48	0 59	22 54	0 18	3 23	2 16	20 40	0 12	22 12	1 3	1 54	17 0	20 44	21 0	16 21	16 33	3 41			
T 28	8s 7	9s57	5s 0	16s43	1s42	15s 7	5n27	7s30	0s59	22s53	0n18	3n25	2s16	20s40	0n12	22n12	1s 3	1n55	17n 0	20s45	21s 0	16n23	16n33	3s41			

ASTRODIENST EPHEMERIS for the year 2233

geocentric

MARCH 2233

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 34 45	10♈12'13	28♊20	20♈33	29♈0	14♈0	7♈43	14♈6	3♈42	6♈33	8♈12	26♈47	25♈29	0♈30	0♈8	F 1
S 2	10 38 42	11°12'32	12♈57	22°5	29°36	14°47	7°53	14°12	3°42	6♈32	8♈11	26♈42	25°26	0°37	0°9	S 2
S 3	10 42 39	12°12'50	27°19	23°37	0♈14	15°35	8°2	14°19	3°42	6°32	8°10	26°39	25°23	0°44	0°11	S 3
M 4	10 46 35	13°13'06	11♈23	25°11	0°53	16°22	8°11	14°26	3°43	6°31	8°9	26°D38	25°20	0°50	0°13	M 4
T 5	10 50 32	14°13'21	25°7	26°45	1°32	17°9	8°20	14°33	3°43	6°31	8°9	26°39	25°17	0°57	0°14	T 5
W 6	10 54 28	15°13'34	8♈34	28°21	2°13	17°56	8°29	14°40	3°43	6°30	8°8	26°40	25°14	1°4	0°16	W 6
T 7	10 58 25	16°13'46	21°45	29°58	2°55	18°44	8°38	14°47	3°43	6°30	8°7	26°R41	25°10	1°10	0°18	T 7
F 8	11 2 21	17°13'56	4♈42	1♈36	3°38	19°31	8°47	14°54	3°43	6°30	8°6	26°40	25°7	1°17	0°20	F 8
S 9	11 6 18	18°14'05	17°26	3°14	4°23	20°18	8°55	15°1	3°R43	6°29	8°5	26°38	25°4	1°24	0°22	S 9
S 10	11 10 14	19°14'11	29°59	4°54	5°8	21°5	9°4	15°8	3°43	6°29	8°4	26°34	25°1	1°31	0°24	S 10
M11	11 14 11	20°14'16	12♈24	6°35	5°54	21°53	9°12	15°15	3°43	6°29	8°3	26°26	24°58	1°37	0°26	M11
T 12	11 18 8	21°14'20	24°39	8°18	6°40	22°40	9°20	15°22	3°43	6°28	8°2	26°17	24°55	1°44	0°28	T 12
W13	11 22 4	22°14'21	6♈46	10°1	7°28	23°27	9°28	15°29	3°43	6°28	8°1	26°6	24°51	1°51	0°30	W13
T 14	11 26 1	23°14'20	18°46	11°45	8°17	24°14	9°36	15°36	3°43	6°28	8°0	25°55	24°48	1°57	0°32	T 14
F 15	11 29 57	24°14'18	0♈41	13°31	9°6	25°1	9°44	15°43	3°42	6°28	7°59	25°44	24°45	2°4	0°35	F 15
S 16	11 33 54	25°14'13	12°32	15°17	9°56	25°48	9°52	15°51	3°42	6°28	7°58	25°34	24°42	2°11	0°37	S 16
S 17	11 37 50	26°14'06	24°23	17°5	10°47	26°35	9°59	15°58	3°41	6°28	7°57	25°27	24°39	2°18	0°39	S 17
M18	11 41 47	27°13'58	6♈17	18°54	11°38	27°22	10°7	16°5	3°41	6°D28	7°56	25°22	24°35	2°24	0°42	M18
T 19	11 45 43	28°13'47	18°18	20°44	12°30	28°9	10°14	16°13	3°40	6°28	7°55	25°20	24°32	2°31	0°44	T 19
W20	11 49 40	29°13'33	0♈32	22°35	13°23	28°56	10°21	16°20	3°40	6°28	7°53	25°D19	24°29	2°38	0°47	W20
T 21	11 53 36	0♈13'18	13°3	24°28	14°17	29°43	10°28	16°27	3°39	6°28	7°52	25°20	24°26	2°45	0°50	T 21
F 22	11 57 33	1°13'00	25°57	26°22	15°11	0♈30	10°35	16°35	3°39	6°28	7°51	25°R20	24°23	2°51	0°52	F 22
S 23	12 1 30	2°12'40	9♈17	28°17	16°5	1°17	10°41	16°42	3°38	6°28	7°50	25°19	24°20	2°58	0°55	S 23
S 24	12 5 26	3°12'18	23°6	0♈12	17°0	2°4	10°48	16°49	3°37	6°29	7°48	25°17	24°16	3°5	0°58	S 24
M25	12 9 23	4°11'53	7♈24	2°10	17°56	2°51	10°54	16°57	3°36	6°29	7°47	25°11	24°13	3°11	1°1	M25
T 26	12 13 19	5°11'27	22°8	4°8	18°52	3°37	11°1	17°4	3°35	6°29	7°46	25°3	24°10	3°18	1°3	T 26
W27	12 17 16	6°10'58	7♈11	6°7	19°49	4°24	11°7	17°12	3°34	6°29	7°44	24°53	24°7	3°25	1°6	W27
T 28	12 21 12	7°10'27	22°23	8°7	20°46	5°11	11°12	17°19	3°33	6°30	7°43	24°43	24°4	3°32	1°9	T 28
F 29	12 25 9	8°9'55	7♈34	10°8	21°44	5°58	11°18	17°27	3°32	6°30	7°42	24°32	24°0	3°38	1°12	F 29
S 30	12 29 5	9°9'20	22°33	12°9	22°42	6°44	11°24	17°34	3°31	6°30	7°40	24°24	23°57	3°45	1°15	S 30
S 31	12 33 2	10♈8'44	7♈13	14♈11	23°40	7♈31	11♈29	17♈42	3♈30	6♈31	7♈39	24♈18	23♈54	3♈52	1♈19	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	7s44	15s40	5s 9	16s19	1s47	15s 7	5n19	7s11	0s58	22s53	0n18	3n28	2s16	20s40	0n12	22n12	1s 3	1n55	17n 1	20s46	21s 1	16n26	16n34	3s41	
S 2	7 21	20 25	4 56	15 53	1 51	15 7	5 12	6 53	0 58	22 52	0 18	3 31	2 16	20 40	0 12	22 12	1 3	1 56	17 1	20 47	21 2	16 28	16 34	3 40	
S 3	6 58	23 51	4 26	15 26	1 55	15 7	5 4	6 34	0 58	22 52	0 18	3 33	2 15	20 41	0 12	22 12	1 3	1 57	17 2	20 48	21 2	16 30	16 34	3 40	
M 4	6 35	25 45	3 40	14 58	1 58	15 6	4 57	6 15	0 58	22 51	0 18	3 36	2 15	20 41	0 12	22 12	1 3	1 57	17 2	20 48	21 3	16 33	16 35	3 40	
T 5	6 12	26 1	2 42	14 29	2 1	15 5	4 49	5 57	0 57	22 51	0 18	3 39	2 15	20 41	0 12	22 12	1 3	1 58	17 2	20 48	21 3	16 35	16 35	3 40	
W 6	5 49	24 44	1 36	13 58	2 4	15 4	4 41	5 38	0 57	22 50	0 18	3 42	2 15	20 41	0 12	22 12	1 3	1 59	17 3	20 48	21 4	16 37	16 36	3 40	
T 7	5 26	22 6	0 27	13 27	2 6	15 2	4 34	5 19	0 56	22 50	0 18	3 44	2 15	20 41	0 12	22 13	1 3	1 59	17 3	20 48	21 4	16 40	16 36	3 40	
F 8	5 2	18 22	0n43	12 54	2 8	15 0	4 26	5 0	0 56	22 49	0 18	3 47	2 15	20 41	0 12	22 13	1 3	2 0	17 4	20 48	21 5	16 42	16 37	3 40	
S 9	4 39	13 51	1 49	12 19	2 10	14 57	4 18	4 41	0 56	22 49	0 18	3 50	2 15	20 41	0 12	22 13	1 2	2 1	17 4	20 48	21 6	16 44	16 38	3 39	
S 10	4 15	8 49	2 49	11 44	2 11	14 54	4 11	4 23	0 55	22 48	0 18	3 53	2 15	20 41	0 12	22 13	1 2	2 1	17 5	20 49	21 6	16 46	16 38	3 39	
M 11	3 52	3 31	3 40	11 7	2 12	14 51	4 3	4 4	0 55	22 48	0 18	3 56	2 15	20 41	0 12	22 13	1 2	2 2	17 5	20 50	21 7	16 49	16 39	3 39	
T 12	3 28	1n51	4 20	10 29	2 12	14 47	3 55	3 45	0 55	22 47	0 18	3 58	2 15	20 41	0 12	22 13	1 2	2 3	17 6	20 52	21 7	16 51	16 39	3 39	
W 13	3 5	7 5	4 47	9 50	2 12	14 42	3 48	3 26	0 54	22 47	0 18	4 1	2 15	20 41	0 12	22 13	1 2	2 4	17 6	20 54	21 8	16 53	16 40	3 39	
T 14	2 41	11 59	5 2	9 10	2 11	14 38	3 40	3 7	0 54	22 46	0 18	4 4	2 14	20 41	0 12	22 13	1 2	2 4	17 6	20 56	21 8	16 56	16 40	3 39	
F 15	2 17	16 25	5 3	8 28	2 10	14 32	3 33	2 48	0 53	22 46	0 18	4 7	2 14	20 41	0 12	22 13	1 2	2 5	17 7	20 58	21 9	16 58	16 41	3 39	
S 16	1 53	20 12	4 51	7 46	2 8	14 27	3 25	2 29	0 53	22 45	0 18	4 10	2 14	20 40	0 12	22 13	1 2	2 6	17 7	21 0	21 10	17 0	16 42	3 38	
S 17	1 30	23 9	4 27	7 2	2 6	14 20	3 18	2 10	0 53	22 45	0 18	4 12	2 14	20 40	0 12	22 13	1 2	2 6	17 8	21 1	21 10	17 2	16 42	3 38	
M 18	1 6	25 7	3 50	6 17	2 4	14 14	3 10	1 51	0 52	22 44	0 17	4 15	2 14	20 40	0 12	22 13	1 2	2 7	17 8	21 2	21 11	17 5	16 43	3 38	
T 19	0 42	25 57	3 4	5 31	2 1	14 6	3 3	1 31	0 52	22 44	0 17	4 18	2 14	20 40	0 12	22 13	1 2	2 8	17 8	21 3	21 11	17 7	16 43	3 38	
W 20	0 18	25 33	2 8	4 44	1 57	13 59	2 55	1 12	0 51	22 43	0 17	4 21	2 14	20 40	0 12	22 13	1 2	2 8	17 9	21 3	21 12	17 9	16 44	3 38	
T 21	0n 5	23 51	1 5	3 56	1 53	13 51	2 48	0 53	0 51	22 43	0 17	4 24	2 14	20 40	0 12	22 13	1 2	2 9	17 9	21 3	21 12	17 11	16 45	3 38	
F 22	0 29	20 53	0s 3	3 6	1 49	13 42	2 41	0 34	0 50	22 42	0 17	4 27	2 14	20 40	0 12	22 13	1 2	2 10	17 9	21 3	21 13	17 13	16 45	3 38	
S 23	0 53	16 44	1 13	2 16	1 44	13 33	2 33	0 15	0 50	22 42	0 17	4 30	2 14	20 40	0 12	22 13	1 2	2 11	17 10	21 3	21 14	17 16	16 46	3 38	
S 24	1 16	11 34	2 22	1 25	1 38	13 24	2 26	0n 4	0 50	22 41	0 17	4 33	2 14	20 40	0 12	22 13	1 2	2 11	17 10	21 3	21 14	17 18	16 47	3 37	
M 25	1 40	5 38	3 24	0 33	1 32	13 14	2 19	0 23	0 49	22 41	0 17	4 35	2 14	20 39	0 12	22 13	1 2	2 12	17 10	21 4	21 15	17 20	16 47	3 37	
T 26	2 4	0s46	4 14	0n20	1 25	13 3	2 12	0 42	0 49	22 40	0 17	4 38	2 14	20 39	0 12	22 13	1 2	2 13	17 11	21 6	21 15	17 22	16 48	3 37	
W 27	2 27	7 15	4 47	1 14	1 18	12 52	2 5	1 1	0 48	22 40	0 17	4 41	2 14	20 39	0 12	22 13	1 2	2 13	17 11	21 8	21 16	17 24	16 49	3 37	
T 28	2 51	13 21	5 1	2 8	1 10	12 41	1 58	1 20	0 48	22 39	0 17	4 44	2 14	20 39	0 12	22 13	1 2	2 14	17 11	21 9	21 16	17 27	16 49	3 37	
F 29	3 14	18 39	4 54	3 3	1 2	12 29	1 52	1 38	0 47	22 39	0 17	4 47	2 14	20 39	0 12	22 14	1 2	2 15	17 12	21 11	21 17	17 29	16 50	3 37	
S 30	3 37	22 40	4 26	3 59	0 53	12 17	1 45	1 57	0 47	22 39	0 17	4 50	2 14	20 38	0 12	22 14	1 2	2 15	17 12	21 13	21 17	17 31	16 51	3 37	
S 31	4n 1	25s 8	3s42	4n54	0s44	12s 4	1n38	2n16	0s46	22s38	0n17	4n53	2s14	20s38	0n12	22n14	1s 2	2n16	17n12	21s14	21s18	17n33	16n52	3s37	

ASTRODIENST EPHEMERIS for the year 2233
geocentric

APRIL 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 36 59	11° 8'06"	21° 28'	16° 14'	24° 39'	8° 18'	11° 34'	17° 49'	3° 29'	6° 31'	7° 37'	24° 15'	23° 51'	3° 58'	1° 22'	M 1
T 2	12 40 55	12° 7'26"	5° 31'	18° 16'	25° 38'	9° 4'	11° 40'	17° 57'	3° 28'	6° 32'	7° 36'	24° 13'	23° 48'	4° 5'	1° 25'	T 2
W 3	12 44 52	13° 6'45"	18° 43'	20° 19'	26° 38'	9° 51'	11° 44'	18° 4'	3° 27'	6° 32'	7° 34'	24° 13'	23° 45'	4° 12'	1° 28'	W 3
T 4	12 48 48	14° 6'02"	1° 47'	22° 21'	27° 38'	10° 37'	11° 49'	18° 12'	3° 25'	6° 33'	7° 33'	24° 13'	23° 41'	4° 19'	1° 32'	T 4
F 5	12 52 45	15° 5'17"	14° 32'	24° 22'	28° 39'	11° 24'	11° 54'	18° 20'	3° 24'	6° 34'	7° 31'	24° 12'	23° 38'	4° 25'	1° 35'	F 5
S 6	12 56 41	16° 4'30"	27° 3'	26° 22'	29° 39'	12° 10'	11° 58'	18° 27'	3° 23'	6° 34'	7° 30'	24° 8'	23° 35'	4° 32'	1° 38'	S 6
S 7	13 0 38	17° 3'42"	9° 22'	28° 21'	0° 40'	12° 56'	12° 3'	18° 35'	3° 21'	6° 35'	7° 28'	24° 2'	23° 32'	4° 39'	1° 42'	S 7
M 8	13 4 34	18° 2'51"	21° 32'	0° 19'	1° 42'	13° 43'	12° 7'	18° 42'	3° 20'	6° 36'	7° 27'	23° 52'	23° 29'	4° 46'	1° 45'	M 8
T 9	13 8 31	19° 1'59"	3° 36'	2° 14'	2° 44'	14° 29'	12° 11'	18° 50'	3° 18'	6° 36'	7° 25'	23° 40'	23° 26'	4° 52'	1° 49'	T 9
W10	13 12 28	20° 1'04"	15° 35'	4° 7'	3° 46'	15° 15'	12° 14'	18° 57'	3° 17'	6° 37'	7° 24'	23° 26'	23° 22'	4° 59'	1° 52'	W10
T 11	13 16 24	21° 0'08"	27° 30'	5° 56'	4° 48'	16° 2'	12° 18'	19° 5'	3° 15'	6° 38'	7° 22'	23° 11'	23° 19'	5° 6'	1° 56'	T 11
F 12	13 20 21	21° 59'10"	9° 22'	7° 43'	5° 51'	16° 48'	12° 21'	19° 13'	3° 13'	6° 39'	7° 20'	22° 57'	23° 16'	5° 12'	1° 59'	F 12
S 13	13 24 17	22° 58'09"	21° 13'	9° 26'	6° 53'	17° 34'	12° 24'	19° 20'	3° 12'	6° 40'	7° 19'	22° 45'	23° 13'	5° 19'	2° 3'	S 13
S 14	13 28 14	23° 57'07"	3° 11'	11° 5'	7° 56'	18° 20'	12° 27'	19° 28'	3° 10'	6° 40'	7° 17'	22° 35'	23° 10'	5° 26'	2° 7'	S 14
M15	13 32 10	24° 56'02"	15° 0'	12° 40'	9° 0'	19° 6'	12° 30'	19° 35'	3° 8'	6° 41'	7° 15'	22° 27'	23° 6'	5° 33'	2° 11'	M15
T 16	13 36 7	25° 54'55"	27° 2'	14° 11'	10° 3'	19° 52'	12° 33'	19° 43'	3° 6'	6° 42'	7° 14'	22° 23'	23° 3'	5° 39'	2° 14'	T 16
W17	13 40 3	26° 53'46"	9° 15'	15° 37'	11° 7'	20° 38'	12° 35'	19° 50'	3° 5'	6° 43'	7° 12'	22° 21'	23° 0'	5° 46'	2° 18'	W17
T 18	13 44 0	27° 52'35"	21° 43'	16° 58'	12° 11'	21° 24'	12° 38'	19° 58'	3° 3'	6° 44'	7° 10'	22° 21'	22° 57'	5° 53'	2° 22'	T 18
F 19	13 47 57	28° 51'21"	4° 32'	18° 13'	13° 16'	22° 10'	12° 40'	20° 5'	3° 1'	6° 45'	7° 9'	22° 21'	22° 54'	5° 59'	2° 26'	F 19
S 20	13 51 53	29° 50'05"	17° 45'	19° 24'	14° 20'	22° 56'	12° 42'	20° 13'	2° 59'	6° 46'	7° 7'	22° 20'	22° 51'	6° 6'	2° 30'	S 20
S 21	13 55 50	0° 48'47"	1° 27'	20° 29'	15° 25'	23° 42'	12° 43'	20° 20'	2° 57'	6° 48'	7° 5'	22° 17'	22° 47'	6° 13'	2° 34'	S 21
M22	13 59 46	1° 47'27"	15° 39'	21° 29'	16° 30'	24° 27'	12° 45'	20° 28'	2° 55'	6° 49'	7° 4'	22° 12'	22° 44'	6° 20'	2° 38'	M22
T 23	14 3 43	2° 46'04"	0° 19'	22° 23'	17° 35'	25° 13'	12° 46'	20° 35'	2° 53'	6° 50'	7° 2'	22° 4'	22° 41'	6° 26'	2° 42'	T 23
W24	14 7 39	3° 44'40"	15° 22'	23° 11'	18° 40'	25° 59'	12° 48'	20° 43'	2° 51'	6° 51'	7° 0'	21° 54'	22° 38'	6° 33'	2° 46'	W24
T 25	14 11 36	4° 43'13"	0° 40'	23° 54'	19° 45'	26° 44'	12° 49'	20° 50'	2° 49'	6° 52'	6° 59'	21° 44'	22° 35'	6° 40'	2° 50'	T 25
F 26	14 15 32	5° 41'44"	16° 1'	24° 30'	20° 51'	27° 30'	12° 49'	20° 58'	2° 47'	6° 53'	6° 57'	21° 33'	22° 32'	6° 46'	2° 54'	F 26
S 27	14 19 29	6° 40'14"	1° 13'	25° 1'	21° 57'	28° 15'	12° 50'	21° 5'	2° 45'	6° 55'	6° 55'	21° 25'	22° 28'	6° 53'	2° 58'	S 27
S 28	14 23 26	7° 38'42"	16° 7'	25° 26'	23° 3'	29° 1'	12° 50'	21° 12'	2° 42'	6° 56'	6° 54'	21° 18'	22° 25'	7° 0'	3° 2'	S 28
M29	14 27 22	8° 37'08"	0° 36'	25° 45'	24° 9'	29° 46'	12° 51'	21° 20'	2° 40'	6° 57'	6° 52'	21° 15'	22° 22'	7° 7'	3° 6'	M29
T 30	14 31 19	9° 35'33"	14° 37'	25° 58'	25° 15'	0° 32'	12° 51'	21° 27'	2° 38'	6° 59'	6° 50'	21° 13'	22° 19'	7° 13'	3° 10'	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	4n24	25s52	2s44	5n51	0s35	11s51	1n32	2n35	0s46	22s38	0n17	4n56	2s14	20s38	0n12	22n14	1s 1	2n17	17n12	21s14	21s18	17n35	16n52	3s37	
T 2	4 47	24 57	1 38	6 47	0 25	11 37	1 25	2 54	0 45	22 37	0 17	4 58	2 14	20 38	0 12	22 14	1 1	2 17	17 13	21 15	21 19	17 38	16 53	3 36	
W 3	5 10	22 35	0 29	7 43	0 14	11 23	1 19	3 12	0 45	22 37	0 17	5 1	2 14	20 38	0 12	22 14	1 1	2 18	17 13	21 15	21 20	17 40	16 54	3 36	
T 4	5 33	19 5	0n40	8 38	0 3	11 9	1 12	3 31	0 44	22 37	0 17	5 4	2 14	20 37	0 12	22 14	1 1	2 19	17 13	21 15	21 20	17 42	16 55	3 36	
F 5	5 56	14 46	1 45	9 33	0n 8	10 54	1 6	3 50	0 44	22 36	0 16	5 7	2 14	20 37	0 12	22 14	1 1	2 19	17 13	21 15	21 21	17 44	16 55	3 36	
S 6	6 19	9 55	2 44	10 28	0 19	10 39	1 0	4 8	0 43	22 36	0 16	5 10	2 14	20 37	0 12	22 14	1 1	2 20	17 13	21 16	21 21	17 46	16 56	3 36	
S 7	6 42	4 44	3 34	11 21	0 31	10 23	0 54	4 27	0 43	22 36	0 16	5 13	2 14	20 37	0 12	22 14	1 1	2 21	17 14	21 17	21 22	17 48	16 57	3 36	
M 8	7 4	0n32	4 14	12 14	0 42	10 7	0 48	4 45	0 42	22 35	0 16	5 16	2 14	20 36	0 12	22 14	1 1	2 21	17 14	21 18	21 22	17 50	16 58	3 36	
T 9	7 27	5 44	4 41	13 4	0 54	9 50	0 42	5 4	0 42	22 35	0 16	5 18	2 14	20 36	0 12	22 14	1 1	2 22	17 14	21 20	21 23	17 53	16 58	3 36	
W10	7 49	10 41	4 56	13 54	1 5	9 33	0 36	5 22	0 41	22 35	0 16	5 21	2 14	20 36	0 12	22 14	1 1	2 23	17 14	21 23	21 23	17 55	16 59	3 36	
T 11	8 11	15 12	4 58	14 41	1 16	9 16	0 30	5 40	0 41	22 34	0 16	5 24	2 14	20 35	0 12	22 14	1 1	2 23	17 14	21 25	21 24	17 57	17 0	3 36	
F 12	8 33	19 8	4 47	15 27	1 27	8 58	0 25	5 58	0 40	22 34	0 16	5 27	2 14	20 35	0 12	22 14	1 1	2 24	17 14	21 28	21 24	17 59	17 1	3 36	
S 13	8 55	22 17	4 24	16 10	1 38	8 40	0 19	6 17	0 40	22 34	0 16	5 30	2 14	20 35	0 12	22 14	1 1	2 25	17 15	21 30	21 25	18 1	17 1	3 36	
S 14	9 17	24 29	3 49	16 51	1 48	8 22	0 14	6 35	0 39	22 34	0 16	5 33	2 14	20 34	0 12	22 14	1 1	2 25	17 15	21 31	21 26	18 3	17 2	3 36	
M15	9 39	25 36	3 3	17 30	1 58	8 3	0 8	6 53	0 39	22 34	0 16	5 35	2 14	20 34	0 12	22 14	1 1	2 26	17 15	21 32	21 26	18 5	17 3	3 35	
T 16	10 0	25 32	2 9	18 6	2 7	7 44	0 3	7 10	0 38	22 33	0 16	5 38	2 14	20 34	0 12	22 14	1 1	2 26	17 15	21 33	21 27	18 7	17 4	3 35	
W17	10 21	24 14	1 9	18 40	2 16	7 25	0s 2	7 28	0 37	22 33	0 16	5 41	2 14	20 33	0 12	22 14	1 1	2 27	17 15	21 33	21 27	18 9	17 5	3 35	
T 18	10 42	21 43	0 3	19 10	2 24	7 5	0 7	7 46	0 37	22 33	0 16	5 44	2 14	20 33	0 12	22 14	1 1	2 28	17 15	21 34	21 28	18 11	17 5	3 35	
F 19	11 3	18 4	1s 4	19 39	2 30	6 45	0 12	8 4	0 36	22 33	0 16	5 47	2 14	20 33	0 12	22 14	1 1	2 28	17 15	21 34	21 28	18 14	17 6	3 35	
S 20	11 24	13 26	2 10	20 4	2 37	6 25	0 17	8 21	0 36	22 33	0 16	5 49	2 14	20 32	0 12	22 14	1 1	2 29	17 15	21 34	21 29	18 16	17 7	3 35	
S 21	11 45	7 58	3 11	20 27	2 42	6 4	0 22	8 38	0 35	22 33	0 15	5 52	2 14	20 32	0 12	22 14	1 1	2 29	17 15	21 34	21 29	18 18	17 8	3 35	
M22	12 5	1 56	4 2	20 47	2 46	5 44	0 26	8 56	0 35	22 33	0 15	5 55	2 14	20 32	0 12	22 14	1 1	2 30	17 15	21 35	21 30	18 20	17 9	3 35	
T 23	12 25	4s24	4 40	21 4	2 49	5 22	0 31	9 13	0 34	22 33	0 15	5 58	2 14	20 31	0 12	22 14	1 1	2 30	17 15	21 36	21 30	18 22	17 9	3 35	
W24	12 45	10 38	4 59	21 18	2 51	5 1	0 35	9 30	0 33	22 33	0 15	6 0	2 14	20 31	0 12	22 14	1 1	2 31	17 15	21 38	21 31	18 24	17 10	3 35	
T 25	13 5	16 20	4 57	21 30	2 52	4 39	0 39	9 47	0 33	22 33	0 15	6 3	2 14	20 30	0 12	22 14	1 0	2 31	17 15	21 40	21 31	18 26	17 11	3 35	
F 26	13 24	20 59	4 34	21 39	2 52	4 17	0 44	10 4	0 32	22 33	0 15	6 6	2 14	20 30	0 12	22 14	1 0	2 32	17 15	21 41	21 32	18 28	17 12	3 35	
S 27	13 44	24 10	3 52	21 45	2 51	3 55	0 48	10 21	0 32	22 33	0 15	6 9	2 14	20 30	0 12	22 13	1 0	2 32	17 15	21 43	21 32	18 30	17 12	3 35	
S 28	14 3	25 35	2 54	21 49	2 48	3 33	0 52	10 38	0 31	22 33	0 15	6 11	2 14	20 29	0 12	22 13	1 0	2 33	17 15	21 44	21 33	18 32	17 13	3 35	
M29	14 21	25 12	1 47	21 50	2 44	3 10	0 56	10 54	0 31	22 33	0 15	6 14	2 14	20 29	0 12	22 13	1 0	2 33	17 15	21 44	21 33	18 34	17 14	3 35	
T 30	14n40	23s11	0s35	21n48	2n39	2s47	0s59	11n11	0s30	22s33	0n15	6n17	2s14	20s28	0n12	22n13	1s 0	2n34	17n15	21s44	21s34	18n36	17n15	3s35	

ASTRODIENST EPHEMERIS for the year 2233

geocentric

MAY 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 35 15	10♈33'56	28♈ 9	26♈ 6	26♈22	1♈17	12°R51	21°Y34	2°R36	7♈ 0	6°R48	21°D13	22♈16	7♈20	3♈14	W 1
T 2	14 39 12	11°32'18	11♈15	26°R 8	27°28	2° 2	12♈50	21°42	2♈33	7° 2	6♈47	21°R13	22°12	7°27	3°19	T 2
F 3	14 43 8	12°30'38	24° 0	26° 4	28°35	2°48	12°50	21°49	2°31	7° 3	6°45	21♈13	22° 9	7°34	3°23	F 3
S 4	14 47 5	13°28'57	6♈26	25°55	29°42	3°33	12°49	21°56	2°29	7° 4	6°43	21°10	22° 6	7°40	3°27	S 4
S 5	14 51 1	14°27'14	18°39	25°42	0°Y49	4°18	12°48	22° 3	2°27	7° 6	6°42	21° 6	22° 3	7°47	3°31	S 5
M 6	14 54 58	15°25'29	0°Y43	25°23	1°56	5° 3	12°47	22°11	2°24	7° 7	6°40	20°58	22° 0	7°54	3°36	M 6
T 7	14 58 55	16°23'43	12°40	25° 1	3° 4	5°48	12°46	22°18	2°22	7° 9	6°38	20°48	21°57	8° 0	3°40	T 7
W 8	15 2 51	17°21'55	24°33	24°35	4°11	6°33	12°45	22°25	2°19	7°10	6°37	20°37	21°53	8° 7	3°44	W 8
T 9	15 6 48	18°20'06	6♈24	24° 5	5°19	7°18	12°43	22°32	2°17	7°12	6°35	20°25	21°50	8°14	3°49	T 9
F 10	15 10 44	19°18'15	18°16	23°33	6°26	8° 3	12°41	22°39	2°15	7°14	6°33	20°13	21°47	8°21	3°53	F 10
S 11	15 14 41	20°16'22	0♈ 9	22°58	7°34	8°48	12°39	22°46	2°12	7°15	6°32	20° 3	21°44	8°27	3°57	S 11
S 12	15 18 37	21°14'28	12° 5	22°23	8°42	9°33	12°37	22°53	2°10	7°17	6°30	19°55	21°41	8°34	4° 2	S 12
M13	15 22 34	22°12'32	24° 6	21°46	9°50	10°18	12°35	23° 0	2° 7	7°19	6°29	19°49	21°37	8°41	4° 6	M13
T 14	15 26 30	23°10'35	6♈15	21° 9	10°58	11° 2	12°32	23° 7	2° 5	7°20	6°27	19°46	21°34	8°47	4°11	T 14
W15	15 30 27	24° 8'35	18°34	20°33	12° 6	11°47	12°29	23°14	2° 2	7°22	6°25	19°D45	21°31	8°54	4°15	W15
T 16	15 34 24	25° 6'34	1♈ 6	19°58	13°15	12°31	12°26	23°21	2° 0	7°24	6°24	19°45	21°28	9° 1	4°19	T 16
F 17	15 38 20	26° 4'31	13°56	19°24	14°23	13°16	12°23	23°27	1°57	7°26	6°22	19°46	21°25	9° 8	4°24	F 17
S 18	15 42 17	27° 2'26	27° 7	18°53	15°31	14° 0	12°20	23°34	1°55	7°27	6°21	19°R47	21°22	9°14	4°28	S 18
S 19	15 46 13	28° 0'19	10♈42	18°25	16°40	14°45	12°17	23°41	1°52	7°29	6°19	19°46	21°18	9°21	4°33	S 19
M20	15 50 10	28°58'11	24°43	17°59	17°49	15°29	12°13	23°48	1°50	7°31	6°18	19°44	21°15	9°28	4°37	M20
T 21	15 54 6	29°56'01	9♈10	17°37	18°57	16°14	12° 9	23°54	1°47	7°33	6°16	19°39	21°12	9°34	4°42	T 21
W22	15 58 3	0♈53'49	24° 0	17°19	20° 6	16°58	12° 5	24° 1	1°45	7°35	6°14	19°33	21° 9	9°41	4°46	W22
T 23	16 1 59	1°51'35	9♈ 6	17° 5	21°15	17°42	12° 1	24° 7	1°42	7°36	6°13	19°26	21° 6	9°48	4°51	T 23
F 24	16 5 56	2°49'20	24°19	16°56	22°24	18°26	11°57	24°14	1°40	7°38	6°12	19°19	21° 3	9°55	4°55	F 24
S 25	16 9 53	3°47'04	9♈28	16°50	23°33	19°10	11°52	24°20	1°37	7°40	6°10	19°13	20°59	10° 1	5° 0	S 25
S 26	16 13 49	4°44'46	24°24	16°D50	24°42	19°54	11°48	24°27	1°35	7°42	6° 9	19° 9	20°56	10° 8	5° 4	S 26
M27	16 17 46	5°42'28	8♈58	16°53	25°51	20°38	11°43	24°33	1°32	7°44	6° 7	19° 7	20°53	10°15	5° 9	M27
T 28	16 21 42	6°40'08	23° 6	17° 2	27° 1	21°22	11°38	24°39	1°30	7°46	6° 6	19°D 7	20°50	10°21	5°13	T 28
W29	16 25 39	7°37'47	6♈46	17°15	28°10	22° 6	11°33	24°46	1°27	7°48	6° 4	19° 7	20°47	10°28	5°18	W29
T 30	16 29 35	8°35'25	20° 0	17°32	29°20	22°50	11°28	24°52	1°25	7°50	6° 3	19° 9	20°43	10°35	5°22	T 30
F 31	16 33 32	9♈33'02	2♈49	17♈54	0♈29	23♈34	11♈23	24°Y58	1♈22	7♈52	6♈ 2	19♈10	20♈40	10♈42	5♈27	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	14n58	19s54	0n37	21n43	2n32	2s24	1s 3	11n27	0s29	22s33	0n15	6n19	2s14	20s28	0n12	22n13
T 2	15 17	15 42	1 44	21 36	2 25	2 1	1 7	11 43	0 29	22 33	0 15	6 22	2 15	20 27	0 12	22 13
F 3	15 34	10 55	2 45	21 27	2 16	1 38	1 10	11 59	0 28	22 33	0 15	6 24	2 15	20 27	0 12	22 13
S 4	15 52	5 48	3 36	21 15	2 5	1 14	1 13	12 15	0 28	22 33	0 14	6 27	2 15	20 27	0 12	22 13
S 5	16 9	0 33	4 16	21 0	1 54	0 51	1 17	12 31	0 27	22 33	0 14	6 30	2 15	20 26	0 12	22 13
M 6	16 26	4n38	4 44	20 44	1 41	0 27	1 20	12 47	0 26	22 34	0 14	6 32	2 15	20 26	0 12	22 13
T 7	16 43	9 35	5 0	20 25	1 28	0 3	1 23	13 2	0 26	22 34	0 14	6 35	2 15	20 25	0 12	22 13
W 8	17 0	14 10	5 2	20 4	1 13	0n21	1 26	13 18	0 25	22 34	0 14	6 37	2 15	20 25	0 12	22 13
T 9	17 16	18 13	4 51	19 42	0 58	0 45	1 28	13 33	0 24	22 34	0 14	6 40	2 15	20 24	0 12	22 13
F 10	17 32	21 32	4 28	19 18	0 42	1 10	1 31	13 48	0 24	22 34	0 14	6 42	2 15	20 24	0 12	22 13
S 11	17 48	23 57	3 53	18 54	0 25	1 34	1 34	14 3	0 23	22 35	0 14	6 45	2 15	20 23	0 12	22 13
S 12	18 3	25 18	3 7	18 28	0 8	1 58	1 36	14 18	0 23	22 35	0 14	6 47	2 15	20 23	0 12	22 13
M13	18 18	25 29	2 13	18 2	0s10	2 23	1 39	14 32	0 22	22 35	0 14	6 50	2 16	20 22	0 12	22 13
T 14	18 33	24 27	1 12	17 35	0 27	2 47	1 41	14 47	0 21	22 36	0 14	6 52	2 16	20 22	0 11	22 13
W15	18 47	22 14	0 6	17 9	0 45	3 12	1 43	15 1	0 21	22 36	0 14	6 55	2 16	20 21	0 11	22 13
T 16	19 1	18 54	1s 1	16 43	1 2	3 37	1 45	15 15	0 20	22 36	0 13	6 57	2 16	20 21	0 11	22 13
F 17	19 15	14 37	2 6	16 18	1 19	4 1	1 47	15 30	0 19	22 37	0 13	6 59	2 16	20 20	0 11	22 13
S 18	19 28	9 32	3 7	15 53	1 35	4 26	1 49	15 43	0 19	22 37	0 13	7 2	2 16	20 20	0 11	22 12
S 19	19 41	3 51	3 59	15 31	1 51	4 50	1 50	15 57	0 18	22 38	0 13	7 4	2 16	20 19	0 11	22 12
M20	19 54	2s10	4 39	15 9	2 6	5 15	1 52	16 11	0 18	22 38	0 13	7 7	2 16	20 19	0 11	22 12
T 21	20 7	8 16	5 2	14 50	2 20	5 40	1 54	16 24	0 17	22 38	0 13	7 9	2 17	20 18	0 11	22 12
W22	20 19	14 3	5 6	14 32	2 33	6 4	1 55	16 37	0 16	22 39	0 13	7 11	2 17	20 18	0 11	22 12
T 23	20 30	19 5	4 50	14 17	2 45	6 29	1 56	16 50	0 16	22 39	0 13	7 13	2 17	20 17	0 11	22 12
F 24	20 42	22 54	4 12	14 4	2 56	6 53	1 58	17 3	0 15	22 40	0 13	7 16	2 17	20 17	0 11	22 12
S 25	20 53	25 6	3 17	13 53	3 6	7 18	1 59	17 16	0 14	22 40	0 13	7 18	2 17	20 16	0 11	22 12
S 26	21 4	25 27	2 10	13 44	3 14	7 42	2 0	17 29	0 14	22 41	0 12	7 20	2 17	20 16	0 11	22 12
M27	21 14	24 1	0 55	13 38	3 22	8 6	2 0	17 41	0 13	22 41	0 12	7 22	2 17	20 16	0 11	22 12
T 28	21 24	21 5	0n22	13 34	3 29	8 31	2 1	17 53	0 12	22 42	0 12	7 24	2 18	20 15	0 11	22 12
W29	21 33	17 2	1 34	13 32	3 34	8 55	2 2	18 5	0 12	22 42	0 12	7 26	2 18	20 15	0 11	22 12
T 30	21 43	12 16	2 40	13 32	3 39	9 19	2 3	18 17	0 11	22 43	0 12	7 29	2 18	20 14	0 11	22 11
F 31	21n51	7s 7	3n35	13n35	3s42	9n42	2s 3	18n28	0s10	22s43	0n12	7n31	2s18	20s14	0n11	22n11

Julian Day Number = 2536766.5, Delta T = 199.31 sec
 Ecliptic obliquity = 23°24'36, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°00'04, Lahiri = 27°07'05

ASTRODIENST EPHEMERIS for the year 2233

geocentric

JUNE 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 28	10 ^{II} 30'38	15 ^{II} 18	18 ^{II} 20	1 ^{II} 39	24 ^{II} 18	11°R17	25 ^{II} 4	1°R20	7 ^{II} 54	6°R 0	19°R10	20 ^{II} 37	10 ^{II} 48	5 ^{II} 31	S 1
S 2	16 41 25	11°28'13	27°31	18°50	2°48	25° 1	11 ^{II} 12	25°10	1 ^{II} 18	7°56	5 ^{II} 59	19 ^{II} 9	20°34	10°55	5°36	S 2
M 3	16 45 22	12°25'47	9 ^{II} 33	19°24	3°58	25°45	11° 6	25°16	1°15	7°58	5°58	19° 6	20°31	11° 2	5°40	M 3
T 4	16 49 18	13°23'21	21°28	20° 2	5° 8	26°29	11° 0	25°22	1°13	8° 0	5°57	19° 1	20°28	11° 8	5°44	T 4
W 5	16 53 15	14°20'53	3 ^{II} 20	20°45	6°18	27°12	10°54	25°28	1°10	8° 2	5°55	18°56	20°24	11°15	5°49	W 5
T 6	16 57 11	15°18'25	15°11	21°31	7°28	27°56	10°48	25°34	1° 8	8° 4	5°54	18°50	20°21	11°22	5°53	T 6
F 7	17 1 8	16°15'56	27° 4	22°20	8°38	28°39	10°42	25°39	1° 5	8° 6	5°53	18°44	20°18	11°29	5°58	F 7
S 8	17 5 4	17°13'26	9 ^{II} 2	23°14	9°48	29°22	10°35	25°45	1° 3	8° 9	5°52	18°39	20°15	11°35	6° 2	S 8
S 9	17 9 1	18°10'55	21° 6	24°11	10°58	0 ^{II} 6	10°29	25°51	1° 1	8°11	5°51	18°35	20°12	11°42	6° 7	S 9
M10	17 12 57	19° 8'23	3 ^{II} 18	25°11	12° 8	0°49	10°22	25°56	0°58	8°13	5°49	18°32	20° 9	11°49	6°11	M10
T 11	17 16 54	20° 5'51	15°39	26°14	13°18	1°32	10°15	26° 2	0°56	8°15	5°48	18°D31	20° 5	11°55	6°16	T 11
W12	17 20 51	21° 3'17	28°11	27°21	14°29	2°15	10° 9	26° 7	0°54	8°17	5°47	18°32	20° 2	12° 2	6°20	W12
T 13	17 24 47	22° 0'42	10 ^{II} 57	28°32	15°39	2°58	10° 2	26°12	0°51	8°19	5°46	18°33	19°59	12° 9	6°24	T 13
F 14	17 28 44	22°58'06	23°57	29°45	16°49	3°41	9°55	26°18	0°49	8°21	5°45	18°34	19°56	12°16	6°29	F 14
S 15	17 32 40	23°55'29	7 ^{II} 14	1 ^{II} 1	18° 0	4°24	9°48	26°23	0°47	8°24	5°44	18°36	19°53	12°22	6°33	S 15
S 16	17 36 37	24°52'51	20°49	2°21	19°10	5° 7	9°41	26°28	0°45	8°26	5°43	18°R36	19°49	12°29	6°37	S 16
M17	17 40 33	25°50'12	4 ^{II} 45	3°44	20°21	5°50	9°33	26°33	0°42	8°28	5°42	18°36	19°46	12°36	6°42	M17
T 18	17 44 30	26°47'32	19° 0	5° 9	21°31	6°33	9°26	26°38	0°40	8°30	5°41	18°35	19°43	12°42	6°46	T 18
W19	17 48 26	27°44'51	3 ^{II} 11	6°38	22°42	7°16	9°19	26°43	0°38	8°32	5°41	18°33	19°40	12°49	6°50	W19
T 20	17 52 23	28°42'09	18°16	8° 9	23°52	7°58	9°11	26°48	0°36	8°35	5°40	18°31	19°37	12°56	6°55	T 20
F 21	17 56 20	29°39'26	3 ^{II} 8	9°44	25° 3	8°41	9° 4	26°53	0°34	8°37	5°39	18°28	19°34	13° 3	6°59	F 21
S 22	18 0 16	0 ^{II} 36'43	17°58	11°22	26°14	9°24	8°57	26°57	0°32	8°39	5°38	18°26	19°30	13° 9	7° 3	S 22
S 23	18 4 13	1°33'59	2 ^{II} 40	13° 2	27°25	10° 6	8°49	27° 2	0°30	8°41	5°37	18°25	19°27	13°16	7° 7	S 23
M24	18 8 9	2°31'15	17° 6	14°45	28°36	10°49	8°41	27° 7	0°28	8°43	5°37	18°D24	19°24	13°23	7°11	M24
T 25	18 12 6	3°28'30	1 ^{II} 11	16°31	29°46	11°31	8°34	27°11	0°26	8°46	5°36	18°25	19°21	13°29	7°16	T 25
W26	18 16 2	4°25'45	14°53	18°20	0 ^{II} 57	12°13	8°26	27°16	0°24	8°48	5°35	18°25	19°18	13°36	7°20	W26
T 27	18 19 59	5°22'59	28°10	20°12	2° 8	12°56	8°19	27°20	0°22	8°50	5°35	18°27	19°15	13°43	7°24	T 27
F 28	18 23 56	6°20'14	11 ^{II} 4	22° 6	3°19	13°38	8°11	27°24	0°20	8°52	5°34	18°28	19°11	13°50	7°28	F 28
S 29	18 27 52	7°17'28	23°37	24° 3	4°31	14°20	8° 3	27°28	0°18	8°55	5°33	18°28	19° 8	13°56	7°32	S 29
S 30	18 31 49	8 ^{II} 14'42	5 ^{II} 53	26 ^{II} 2	5 ^{II} 42	15 ^{II} 2	7 ^{II} 56	27 ^{II} 32	0 ^{II} 16	8 ^{II} 57	5 ^{II} 33	18°R29	19 ^{II} 5	14 ^{II} 3	7 ^{II} 36	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 0	1s49 4n18	13n40	3s45 10n 6	2s 3 18n40	0s10 22s44	0n12 7n33	2s18 20s13	0n11 22n11	0s59 2n43	17n 9 22s 2	21s50 19n38	17n39	3s36		
S 2	22 8	3n26 4 49	13 46 3 46	10 30 2 4	18 51 0 9	22 45 0 12	7 35 2 18	20 13 0 11	22 11 0 59	2 43 17 8	22 3 21 50	19 40 17 39	3 36			
M 3	22 15	8 28 5 6	13 55 3 47	10 53 2 4	19 2 0 8	22 45 0 12	7 37 2 19	20 12 0 11	22 11 0 59	2 43 17 8	22 3 21 51	19 42 17 40	3 37			
T 4	22 23	13 9 5 10	14 5 3 47	11 16 2 4	19 13 0 8	22 46 0 12	7 39 2 19	20 12 0 11	22 11 0 59	2 43 17 8	22 4 21 51	19 43 17 41	3 37			
W 5	22 30	17 19 5 1	14 17 3 46	11 39 2 4	19 24 0 7	22 46 0 11	7 41 2 19	20 11 0 11	22 11 0 59	2 43 17 7	22 4 21 52	19 45 17 41	3 37			
T 6	22 36	20 48 4 39	14 31 3 44	12 2 2 4	19 34 0 6	22 47 0 11	7 43 2 19	20 11 0 11	22 11 0 59	2 43 17 7	22 5 21 52	19 47 17 42	3 37			
F 7	22 42	23 26 4 4	14 46 3 41	12 24 2 4	19 44 0 6	22 48 0 11	7 45 2 19	20 10 0 11	22 11 0 59	2 43 17 6	22 6 21 53	19 49 17 43	3 37			
S 8	22 48	25 3 3 19	15 3 3 38	12 47 2 4	19 55 0 5	22 48 0 11	7 46 2 19	20 10 0 11	22 11 0 59	2 43 17 6	22 7 21 53	19 51 17 43	3 37			
S 9	22 53	25 31 2 24	15 21 3 33	13 9 2 3	20 4 0 4	22 49 0 11	7 48 2 20	20 9 0 11	22 10 0 59	2 43 17 6	22 7 21 54	19 53 17 44	3 37			
M10	22 58	24 44 1 22	15 40 3 28	13 31 2 3	20 14 0 4	22 50 0 11	7 50 2 20	20 9 0 11	22 10 0 59	2 43 17 5	22 8 21 54	19 54 17 45	3 37			
T 11	23 2	22 45 0 16	16 0 3 23	13 52 2 2	20 24 0 3	22 50 0 11	7 52 2 20	20 8 0 11	22 10 0 59	2 43 17 5	22 8 21 55	19 56 17 45	3 38			
W12	23 6	19 38 0s53	16 21 3 17	14 13 2 2	20 33 0 2	22 51 0 11	7 54 2 20	20 8 0 11	22 10 0 59	2 43 17 4	22 8 21 55	19 58 17 46	3 38			
T 13	23 10	15 32 2 0	16 43 3 10	14 34 2 1	20 42 0 2	22 51 0 10	7 55 2 20	20 7 0 11	22 10 0 59	2 43 17 4	22 8 21 55	20 0 17 46	3 38			
F 14	23 13	10 39 3 2	17 6 3 2	14 55 2 0	20 51 0 1	22 52 0 10	7 57 2 21	20 7 0 11	22 10 0 59	2 42 17 3	22 7 21 56	20 2 17 47	3 38			
S 15	23 16	5 11 3 56	17 29 2 54	15 16 1 59	20 59 0 0	22 53 0 10	7 59 2 21	20 6 0 11	22 10 0 59	2 42 17 3	22 7 21 56	20 3 17 48	3 38			
S 16	23 19	0s38 4 39	17 53 2 46	15 36 1 58	21 8 0n 0	22 53 0 10	8 0 2 21	20 6 0 11	22 10 0 59	2 42 17 2	22 7 21 57	20 5 17 48	3 38			
M17	23 21	6 33 5 6	18 18 2 37	15 55 1 57	21 16 0 1	22 54 0 10	8 2 2 21	20 6 0 11	22 10 0 59	2 42 17 2	22 7 21 57	20 7 17 49	3 38			
T 18	23 22	12 17 5 15	18 43 2 28	16 15 1 56	21 24 0 2	22 55 0 10	8 4 2 21	20 5 0 11	22 9 0 59	2 42 17 2	22 7 21 58	20 9 17 49	3 39			
W19	23 23	17 26 5 4	19 7 2 18	16 34 1 55	21 32 0 2	22 55 0 10	8 5 2 22	20 5 0 11	22 9 0 59	2 42 17 1	22 8 21 58	20 10 17 50	3 39			
T 20	23 24	21 37 4 33	19 32 2 8	16 53 1 54	21 40 0 3	22 56 0 10	8 7 2 22	20 4 0 11	22 9 0 59	2 41 17 1	22 8 21 59	20 12 17 50	3 39			
F 21	23 25	24 25 3 44	19 57 1 57	17 11 1 53	21 47 0 4	22 57 0 9	8 8 2 22	20 4 0 11	22 9 0 59	2 41 17 0	22 8 21 59	20 14 17 51	3 39			
S 22	23 24	25 31 2 40	20 21 1 46	17 29 1 51	21 54 0 4	22 57 0 9	8 10 2 22	20 3 0 11	22 9 0 59	2 41 17 0	22 9 22 0	20 16 17 51	3 39			
S 23	23 24	24 49 1 26	20 45 1 35	17 46 1 50	22 1 0 5	22 58 0 9	8 11 2 22	20 3 0 11	22 9 0 59	2 41 16 59	22 9 22 0	20 17 17 52	3 39			
M24	23 23	22 26 0 7	21 9 1 24	18 3 1 48	22 8 0 6	22 58 0 9	8 13 2 23	20 3 0 11	22 9 0 59	2 41 16 59	22 9 22 0	20 19 17 52	3 40			
T 25	23 22	18 44 1n10	21 32 1 13	18 20 1 47	22 14 0 6	22 59 0 9	8 14 2 23	20 2 0 11	22 9 0 59	2 40 16 58	22 9 22 1	20 21 17 53	3 40			
W26	23 20	14 6 2 21	21 53 1 1	18 37 1 45	22 21 0 7	23 0 0 9	8 15 2 23	20 2 0 11	22 8 0 59	2 40 16 58	22 9 22 1	20 22 17 53	3 40			
T 27	23 18	8 56 3 23	22 14 0 49	18 52 1 44	22 27 0 8	23 0 0 9	8 17 2 23	20 1 0 11	22 8 0 59	2 40 16 57	22 8 22 2	20 24 17 54	3 40			
F 28	23 15	3 32 4 12	22 33 0 38	19 8 1 42	22 33 0 8	23 1 0 9	8 18 2 24	20 1 0 11	22 8 0 59	2 39 16 57	22 8 22 2	20 26 17 54	3 40			
S 29	23 13	1n52 4 47	22 51 0 26	19 23 1 40	22 38 0 9	23 2 0 8	8 19 2 24	20 1 0 11	22 8 0 59	2 39 16 56	22 8 22 3	20 27 17 55	3 41			
S 30	23n 9	7n 4 5n 9	23n 7 0s14	19n37 1s38	22n44 0n10	23s 2 0n 8	8n21 2s24	20s 0 0n11	22n 8 0s59	2n39 16n55	22s 8 22s 3	20n29 17n55	3s41			

Julian Day Number = 2536797.5, Delta T = 199.41 sec

Ecliptic obliquity = 23°24'35, Nutation = 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°00'09, Lahiri = 27°07'09

ASTRODIENST EPHEMERIS for the year 2233

geocentric

JULY 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 35 45	9°51'15.6	17°56'	28°11'3	6°11'53	15°11'44	7°R48	27°Y36	0°R15	8°59	5°R32	18°R29	19°32	14°810	7°1140	M 1
T 2	18 39 42	10° 9'10	29°52'	0°56'6	8° 4	16°26	7°340	27°40	0°13	9° 1	5°M32	18°328	18°59	14°16	7°44	T 2
W 3	18 43 38	11° 6'24	11°8'44	2°12	9°15	17° 8	7°33	27°44	0°11	9° 4	5°31	18°27	18°55	14°23	7°48	W 3
T 4	18 47 35	12° 3'38	23°36	4°18	10°27	17°50	7°25	27°48	0°10	9° 6	5°31	18°26	18°52	14°30	7°52	T 4
F 5	18 51 31	13° 0'53	5°11'33	6°26	11°38	18°32	7°17	27°51	0° 8	9° 8	5°31	18°26	18°49	14°37	7°56	F 5
S 6	18 55 28	13°58'07	17°36	8°36	12°50	19°14	7°10	27°55	0° 6	9°10	5°30	18°25	18°46	14°43	8° 0	S 6
S 7	18 59 25	14°55'21	29°50	10°45	14° 1	19°55	7° 2	27°59	0° 5	9°12	5°30	18°25	18°43	14°50	8° 4	S 7
M 8	19 3 21	15°52'36	12°51'5	12°56	15°13	20°37	6°55	28° 2	0° 3	9°15	5°30	18°D25	18°40	14°57	8° 7	M 8
T 9	19 7 18	16°49'50	24°53	15° 6	16°24	21°19	6°47	28° 5	0° 2	9°17	5°29	18°25	18°36	15° 3	8°11	T 9
W10	19 11 14	17°47'04	7°12'45	17°17	17°36	22° 0	6°40	28° 8	0° 1	9°19	5°29	18°25	18°33	15°10	8°15	W10
T 11	19 15 11	18°44'18	20°51	19°27	18°47	22°42	6°32	28°12	29°M59	9°21	5°29	18°R25	18°30	15°17	8°19	T 11
F 12	19 19 7	19°41'32	4°11'11	21°36	19°59	23°23	6°25	28°15	29°58	9°24	5°29	18°25	18°27	15°23	8°22	F 12
S 13	19 23 4	20°38'46	17°44	23°45	21°11	24° 5	6°18	28°17	29°57	9°26	5°29	18°24	18°24	15°30	8°26	S 13
S 14	19 27 0	21°36'00	1°12'30	25°52	22°23	24°46	6°10	28°20	29°55	9°28	5°29	18°24	18°21	15°37	8°30	S 14
M15	19 30 57	22°33'13	15°29	27°59	23°34	25°27	6° 3	28°23	29°54	9°30	5°29	18°24	18°17	15°44	8°33	M15
T 16	19 34 54	23°30'27	29°38	0°12'4	24°46	26° 9	5°56	28°26	29°53	9°32	5°D29	18°D24	18°14	15°50	8°37	T 16
W17	19 38 50	24°27'40	13°11'56	2° 7	25°58	26°50	5°49	28°28	29°52	9°34	5°29	18°24	18°11	15°57	8°40	W17
T 18	19 42 47	25°24'54	28°19	4° 9	27°10	27°31	5°42	28°31	29°51	9°37	5°29	18°25	18° 8	16° 4	8°44	T 18
F 19	19 46 43	26°22'07	12°12'45	6°10	28°22	28°12	5°36	28°33	29°50	9°39	5°29	18°25	18° 5	16°10	8°47	F 19
S 20	19 50 40	27°19'21	27° 9	8° 8	29°34	28°53	5°29	28°35	29°49	9°41	5°29	18°26	18° 1	16°17	8°51	S 20
S 21	19 54 36	28°16'35	11°12'27	10° 5	0°56'46	29°34	5°22	28°38	29°48	9°43	5°29	18°R26	17°58	16°24	8°54	S 21
M22	19 58 33	29°13'49	25°33	12° 0	1°58	0°51'5	5°16	28°40	29°47	9°45	5°29	18°26	17°55	16°31	8°57	M22
T 23	20 2 29	0°11'03	9°12'44	13°54	3°10	0°56	5°10	28°42	29°46	9°47	5°30	18°26	17°52	16°37	9° 0	T 23
W24	20 6 26	1° 8'18	22°56	15°45	4°23	1°36	5° 3	28°43	29°45	9°50	5°30	18°25	17°49	16°44	9° 4	W24
T 25	20 10 23	2° 5'33	6°11'9	17°35	5°35	2°17	4°57	28°45	29°45	9°52	5°30	18°23	17°46	16°51	9° 7	T 25
F 26	20 14 19	3° 2'49	19° 2	19°23	6°47	2°58	4°51	28°47	29°44	9°54	5°30	18°21	17°42	16°57	9°10	F 26
S 27	20 18 16	4° 0'06	1°12'35	21° 9	7°59	3°38	4°45	28°48	29°43	9°56	5°31	18°19	17°39	17° 4	9°13	S 27
S 28	20 22 12	4°57'24	13°53	22°54	9°12	4°19	4°40	28°50	29°43	9°58	5°31	18°17	17°36	17°11	9°16	S 28
M29	20 26 9	5°54'42	25°58	24°36	10°24	4°59	4°34	28°51	29°42	10° 0	5°32	18°16	17°33	17°17	9°19	M29
T 30	20 30 5	6°52'01	7°12'54	26°17	11°37	5°40	4°29	28°53	29°42	10° 2	5°32	18°D16	17°30	17°24	9°22	T 30
W31	20 34 2	7°12'49'21	19°12'47	27°12'56	12°12'49	6°12'20	4°23	28°Y54	29°M41	10°54	5°M33	18°316	17°327	17°31	9°125	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n 5	11n54	5n16	23n21	0s 3	19n51	1s36	22n49	0n10	23s 3	0n 8	8n22	2s24	20s 0	0n11	22n 8
T 2	23 1	16 15	5 10	23 33	0n 8	20 5	1 34	22 54	0 11	23 3	0 8	8 23	2 25	20 0	0 11	22 8
W 3	22 57	19 57	4 51	23 42	0 19	20 18	1 32	22 59	0 12	23 4	0 8	8 24	2 25	19 59	0 11	22 7
T 4	22 52	22 50	4 19	23 50	0 29	20 30	1 30	23 4	0 12	23 4	0 8	8 25	2 25	19 59	0 11	22 7
F 5	22 46	24 44	3 36	23 55	0 39	20 42	1 28	23 8	0 13	23 5	0 8	8 26	2 25	19 59	0 11	22 7
S 6	22 41	25 32	2 43	23 57	0 49	20 53	1 26	23 12	0 14	23 6	0 7	8 27	2 25	19 58	0 11	22 7
S 7	22 35	25 6	1 41	23 56	0 58	21 4	1 23	23 16	0 14	23 6	0 7	8 28	2 26	19 58	0 11	22 7
M 8	22 28	23 25	0 34	23 53	1 6	21 15	1 21	23 20	0 15	23 7	0 7	8 29	2 26	19 58	0 11	22 7
T 9	22 21	20 32	0s36	23 47	1 14	21 24	1 19	23 23	0 16	23 7	0 7	8 30	2 26	19 57	0 11	22 7
W10	22 14	16 37	1 45	23 38	1 21	21 34	1 17	23 27	0 16	23 8	0 7	8 31	2 26	19 57	0 11	22 6
T 11	22 6	11 50	2 50	23 26	1 27	21 42	1 14	23 30	0 17	23 8	0 7	8 32	2 27	19 57	0 11	22 6
F 12	21 58	6 26	3 47	23 12	1 32	21 50	1 12	23 32	0 18	23 9	0 7	8 33	2 27	19 57	0 11	22 6
S 13	21 50	0 39	4 33	22 55	1 37	21 58	1 9	23 35	0 19	23 9	0 6	8 34	2 27	19 56	0 11	22 6
S 14	21 41	5s14	5 3	22 36	1 41	22 5	1 7	23 38	0 19	23 10	0 6	8 34	2 28	19 56	0 11	22 6
M15	21 32	10 57	5 16	22 14	1 44	22 11	1 4	23 40	0 20	23 10	0 6	8 35	2 28	19 56	0 11	22 6
T 16	21 22	16 10	5 11	21 51	1 46	22 17	1 2	23 42	0 21	23 11	0 6	8 36	2 28	19 56	0 11	22 5
W17	21 12	20 33	4 46	21 25	1 48	22 22	0 59	23 44	0 21	23 11	0 6	8 36	2 28	19 55	0 11	22 5
T 18	21 2	23 43	4 3	20 58	1 49	22 26	0 56	23 45	0 22	23 12	0 6	8 37	2 29	19 55	0 11	22 5
F 19	20 51	25 21	3 5	20 28	1 49	22 30	0 54	23 46	0 23	23 12	0 6	8 38	2 29	19 55	0 11	22 5
S 20	20 40	25 18	1 55	19 58	1 49	22 33	0 51	23 48	0 23	23 12	0 5	8 39	2 29	19 55	0 11	22 5
S 21	20 29	23 34	0 39	19 26	1 48	22 36	0 49	23 48	0 24	23 13	0 5	8 39	2 29	19 55	0 11	22 5
M22	20 17	20 22	0n39	18 52	1 46	22 38	0 46	23 49	0 25	23 13	0 5	8 39	2 30	19 54	0 11	22 5
T 23	20 5	16 3	1 53	18 18	1 44	22 39	0 43	23 50	0 25	23 14	0 5	8 40	2 30	19 54	0 10	22 4
W24	19 53	11 2	2 59	17 42	1 41	22 40	0 40	23 50	0 26	23 14	0 5	8 40	2 30	19 54	0 10	22 4
T 25	19 40	5 37	3 54	17 5	1 37	22 40	0 38	23 50	0 27	23 14	0 5	8 40	2 30	19 54	0 10	22 4
F 26	19 27	0 7	4 35	16 28	1 33	22 39	0 35	23 50	0 27	23 15	0 5	8 41	2 31	19 54	0 10	22 4
S 27	19 14	5n15	5 2	15 50	1 29	22 38	0 32	23 50	0 28	23 15	0 4	8 41	2 31	19 54	0 10	22 4
S 28	19 0	10 18	5 15	15 11	1 24	22 36	0 29	23 49	0 29	23 15	0 4	8 41	2 31	19 54	0 10	22 4
M29	18 46	14 52	5 13	14 32	1 19	22 34	0 27	23 48	0 29	23 16	0 4	8 42	2 32	19 54	0 10	22 3
T 30	18 32	18 49	4 57	13 53	1 13	22 30	0 24	23 47	0 30	23 16	0 4	8 42	2 32	19 53	0 10	22 3
W31	18n17	21n59	4n29	13n13	1n 6	22n26	0s21	23n46	0n31	23s16	0n 4	8n42	2s32	19s53	0n10	22n 3

Julian Day Number = 2536827.5, Delta T = 199.51 sec
 Ecliptic obliquity = 23°24'35, Nutation = 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°00'13, Lahiri = 27°07'13

ASTRODIENST EPHEMERIS for the year 2233
geocentric

AUGUST 2233

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 37 58	8♌46°43	1♏40	29♌33	14♌2	7♌1	4°R18	28°V55	29°R41	10♌6	5♌33	18♌18	17♌23	17♌38	9♏28	T 1
F 2	20 41 55	9°44'05	13°38	1♏9	15°14	7°41	4♌13	28°56	29♌40	10°8	5°34	18°19	17°20	17°44	9°30	F 2
S 3	20 45 52	10°41'28	25°46	2°43	16°27	8°21	4°8	28°57	29°40	10°10	5°34	18°21	17°17	17°51	9°33	S 3
S 4	20 49 48	11°38'52	8♌8	4°15	17°39	9°1	4°3	28°57	29°40	10°12	5°35	18°22	17°14	17°58	9°36	S 4
M 5	20 53 45	12°36'17	20°45	5°45	18°52	9°41	3°59	28°58	29°40	10°14	5°35	18°R22	17°11	18°4	9°38	M 5
T 6	20 57 41	13°33'43	3♌40	7°13	20°5	10°21	3°54	28°59	29°40	10°16	5°36	18°21	17°7	18°11	9°41	T 6
W 7	21 1 38	14°31'10	16°54	8°40	21°18	11°1	3°50	28°59	29°40	10°18	5°37	18°19	17°4	18°18	9°44	W 7
T 8	21 5 34	15°28'38	0♏24	10°5	22°31	11°41	3°46	28°59	29°D40	10°20	5°38	18°16	17°1	18°25	9°46	T 8
F 9	21 9 31	16°26'07	14°10	11°27	23°43	12°21	3°42	29°0	29°40	10°22	5°38	18°12	16°58	18°31	9°48	F 9
S 10	21 13 27	17°23'36	28°8	12°48	24°56	13°1	3°38	29°0	29°40	10°23	5°39	18°8	16°55	18°38	9°51	S 10
S 11	21 17 24	18°21'06	12♌15	14°7	26°9	13°41	3°35	29°R0	29°40	10°25	5°40	18°4	16°52	18°45	9°53	S 11
M12	21 21 21	19°18'37	26°27	15°25	27°22	14°20	3°31	29°0	29°40	10°27	5°41	18°1	16°48	18°51	9°55	M12
T 13	21 25 17	20°16'08	10♌41	16°40	28°35	15°0	3°28	28°59	29°40	10°29	5°42	17°59	16°45	18°58	9°58	T 13
W14	21 29 14	21°13'41	24°53	17°53	29°48	15°40	3°25	28°59	29°40	10°31	5°43	17°D59	16°42	19°5	10°0	W14
T 15	21 33 10	22°11'14	9♌3	19°3	1♌2	16°19	3°22	28°59	29°41	10°33	5°44	18°0	16°39	19°11	10°2	T 15
F 16	21 37 7	23°8'49	23°8	20°12	2°15	16°59	3°19	28°58	29°41	10°34	5°45	18°1	16°36	19°18	10°4	F 16
S 17	21 41 3	24°6'24	7♌6	21°18	3°28	17°38	3°17	28°58	29°42	10°36	5°46	18°3	16°33	19°25	10°6	S 17
S 18	21 45 0	25°4'00	20°57	22°22	4°41	18°17	3°14	28°57	29°42	10°38	5°47	18°R3	16°29	19°32	10°8	S 18
M19	21 48 56	26°1'37	4♌37	23°23	5°54	18°57	3°12	28°56	29°43	10°39	5°48	18°2	16°26	19°38	10°10	M19
T 20	21 52 53	26°59'15	18°6	24°22	7°8	19°36	3°10	28°55	29°43	10°41	5°49	17°59	16°23	19°45	10°11	T 20
W21	21 56 50	27°56'54	1♏21	25°17	8°21	20°15	3°8	28°54	29°44	10°43	5°51	17°54	16°20	19°52	10°13	W21
T 22	22 0 46	28°54'34	14°22	26°10	9°34	20°54	3°7	28°53	29°45	10°44	5°52	17°48	16°17	19°58	10°15	T 22
F 23	22 4 43	29°52'16	27°6	27°0	10°48	21°33	3°5	28°52	29°45	10°46	5°53	17°40	16°13	20°5	10°16	F 23
S 24	22 8 39	0♏49°59	9°V35	27°46	12°1	22°12	3°4	28°51	29°46	10°48	5°54	17°33	16°10	20°12	10°18	S 24
S 25	22 12 36	1°47'44	21°51	28°29	13°15	22°51	3°3	28°49	29°47	10°49	5°56	17°26	16°7	20°18	10°19	S 25
M26	22 16 32	2°45'30	3♌54	29°9	14°28	23°30	3°2	28°48	29°48	10°51	5°57	17°21	16°4	20°25	10°21	M26
T 27	22 20 29	3°43'18	15°50	29°44	15°42	24°9	3°1	28°46	29°49	10°52	5°58	17°17	16°1	20°32	10°22	T 27
W28	22 24 25	4°41'08	27°41	0♌15	16°56	24°48	3°1	28°44	29°50	10°54	6°0	17°15	15°58	20°39	10°24	W28
T 29	22 28 22	5°39'00	9♏33	0°42	18°9	25°27	3°1	28°43	29°51	10°55	6°1	17°D15	15°54	20°45	10°25	T 29
F 30	22 32 19	6°36'53	21°31	1°5	19°23	26°5	3°D1	28°41	29°52	10°57	6°3	17°16	15°51	20°52	10°26	F 30
S 31	22 36 15	7♏34°48	3♌40	1♌22	20♌37	26♌44	3♌1	28°V39	29♌53	10♌58	6♌4	17♌17	15♌48	20♌59	10♏27	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	18n 3	24n13	3n50	12n33	1n 0	22n22	0s18	23n45	0n31	23s17	0n 4	8n42	2s32	19s53	0n10	22n 3	0s59	2n21	16n37	22s10	22s17	21n20	18n 4	3s49			
F 2	17 47	25 23	3 0	11 52	0 53	22 17	0 16	23 43	0 32	23 17	0 4	8 42	2 33	19 53	0 10	22 3	0 59	2 21	16 36	22 10	22 17	21 22	18 4	3 49			
S 3	17 32	25 22	2 1	11 12	0 45	22 11	0 13	23 41	0 33	23 17	0 3	8 42	2 33	19 53	0 10	22 3	0 59	2 20	16 36	22 9	22 18	21 23	18 4	3 49			
S 4	17 16	24 6	0 56	10 31	0 38	22 5	0 10	23 39	0 33	23 18	0 3	8 42	2 33	19 53	0 10	22 2	0 59	2 19	16 35	22 9	22 18	21 25	18 4	3 50			
M 5	17 0	21 36	0s13	9 51	0 29	21 58	0 7	23 37	0 34	23 18	0 3	8 42	2 33	19 53	0 10	22 2	0 59	2 18	16 35	22 9	22 18	21 26	18 5	3 50			
T 6	16 44	17 58	1 23	9 11	0 21	21 50	0 5	23 35	0 35	23 18	0 3	8 42	2 34	19 53	0 10	22 2	0 59	2 18	16 34	22 9	22 19	21 27	18 5	3 50			
W 7	16 27	13 22	2 30	8 30	0 13	21 42	0 2	23 32	0 35	23 18	0 3	8 42	2 34	19 53	0 10	22 2	0 59	2 17	16 34	22 9	22 19	21 29	18 5	3 51			
T 8	16 11	8 2	3 30	7 50	0 4	21 33	0n 1	23 30	0 36	23 19	0 3	8 42	2 34	19 53	0 10	22 2	0 59	2 16	16 33	22 10	22 20	21 30	18 5	3 51			
F 9	15 53	2 14	4 19	7 10	0s 5	21 23	0 3	23 27	0 37	23 19	0 3	8 42	2 35	19 53	0 10	22 2	0 59	2 15	16 32	22 10	22 20	21 32	18 5	3 51			
S 10	15 36	3s45	4 54	6 31	0 15	21 13	0 6	23 24	0 37	23 19	0 2	8 41	2 35	19 53	0 10	22 2	0 59	2 14	16 32	22 11	22 20	21 33	18 5	3 52			
S 11	15 19	9 36	5 11	5 52	0 24	21 2	0 9	23 20	0 38	23 19	0 2	8 41	2 35	19 53	0 10	22 1	0 59	2 14	16 31	22 12	22 21	21 35	18 5	3 52			
M12	15 1	14 59	5 9	5 13	0 34	20 51	0 11	23 17	0 39	23 20	0 2	8 41	2 35	19 53	0 10	22 1	0 59	2 13	16 31	22 12	22 21	21 36	18 5	3 52			
T 13	14 43	19 34	4 48	4 35	0 44	20 39	0 14	23 13	0 39	23 20	0 2	8 41	2 36	19 53	0 10	22 1	0 59	2 12	16 30	22 12	22 22	21 38	18 5	3 53			
W14	14 24	23 0	4 10	3 57	0 54	20 26	0 16	23 9	0 40	23 20	0 2	8 40	2 36	19 54	0 10	22 1	0 59	2 11	16 30	22 12	22 22	21 39	18 5	3 53			
T 15	14 6	25 1	3 17	3 21	1 4	20 13	0 19	23 5	0 41	23 20	0 2	8 40	2 36	19 54	0 10	22 1	0 59	2 10	16 29	22 12	22 22	21 40	18 5	3 53			
F 16	13 47	25 25	2 12	2 44	1 14	19 59	0 22	23 1	0 41	23 20	0 2	8 39	2 36	19 54	0 10	22 1	0 59	2 10	16 29	22 12	22 23	21 42	18 5	3 54			
S 17	13 28	24 12	0 59	2 9	1 25	19 45	0 24	22 57	0 42	23 21	0 2	8 39	2 37	19 54	0 10	22 0	0 59	2 9	16 28	22 12	22 23	21 43	18 5	3 54			
S 18	13 9	21 31	0n16	1 34	1 35	19 30	0 27	22 52	0 43	23 21	0 1	8 38	2 37	19 54	0 10	22 0	0 59	2 8	16 27	22 12	22 24	21 45	18 5	3 54			
M19	12 50	17 39	1 29	1 0	1 46	19 14	0 29	22 47	0 43	23 21	0 1	8 38	2 37	19 54	0 10	22 0	0 59	2 7	16 27	22 12	22 24	21 46	18 4	3 55			
T 20	12 30	12 55	2 36	0 27	1 56	18 58	0 31	22 42	0 44	23 21	0 1	8 37	2 37	19 54	0 10	22 0	0 59	2 6	16 26	22 12	22 24	21 47	18 4	3 55			
W21	12 10	7 39	3 33	0s 4	2 7	18 42	0 34	22 37	0 45	23 21	0 1	8 37	2 38	19 54	0 10	22 0	0 59	2 5	16 26	22 13	22 25	21 49	18 4	3 55			
T 22	11 50	2 11	4 18	0 35	2 18	18 25	0 36	22 32	0 45	23 22	0 1	8 36	2 38	19 55	0 10	22 0	0 59	2 4	16 25	22 14	22 25	21 50	18 4	3 56			
F 23	11 30	3n16	4 49	1 4	2 28	18 7	0 38	22 27	0 46	23 22	0 1	8 35	2 38	19 55	0 10	22 0	0 59	2 3	16 25	22 15	22 26	21 51	18 4	3 56			
S 24	11 10	8 29	5 6	1 32	2 38	17 49	0 41	22 21	0 47	23 22	0 1	8 35	2 38	19 55	0 10	21 59	0 59	2 3	16 24	22 16	22 26	21 53	18 4	3 56			
S 25	10 49	13 15	5 8	1 59	2 49	17 30	0 43	22 15	0 47	23 22	0 0	8 34	2 39	19 55	0 10	21 59	0 59	2 2	16 24	22 16	22 26	21 54	18 4	3 57			
M26	10 29	17 26	4 56	2 24	2 59	17 11	0 45	22 9	0 48	23 22	0 0	8 33	2 39	19 55	0 10	21 59	0 59	2 1	16 23	22 17	22 27	21 56	18 4	3 57			
T 27	10 8	20 53	4 31	2 47	3 9	16 52	0 47	22 3	0 49	23 22	0 0	8 32	2 39	19 56	0 10	21 59	0 59	2 0	16 23	22 18	22 27	21 57	18 4	3 57			
W28	9 47	23 26	3 55	3 8	3 18	16 31	0 49	21 57	0 49	23 22	0 0	8 32	2 39	19 56	0 10	21 59	0 59	1 59	16 22	22 18	22 27	21 58	18 3	3 58			
T 29	9 26	24 58	3 9	3 27	3 28	16 11	0 51	21 51	0 50	23 23	0s 0	8 31	2 40	19 56	0 10	21 59	0 59	1 58	16 22	22 18	22 28	22 0	18 3	3 58			
F 30	9 4	25 22	2 14	3 44	3 37	15 50	0 53	21 44	0 51	23 23	0 0	8 30	2 40	19 56	0 10	21 59	0 59	1 57	16 21	22 18	22 28	22 1	18 3	3 59			
S 31	8n43	24n34	1n13	3s59	3s45	15n28	0n55	21n38	0n51	23s23	0s 0	8n29	2s40	19s57	0n10	21n58	0s59	1n56	16n21	22s18	22s29	22n 2	18n 3	3s59			

Julian Day Number = 2536858.5, Delta T = 199.61 sec
Ecliptic obliquity = 23°24'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°00'17, Lahiri = 27°07'18

ASTRODIENST EPHEMERIS for the year 2233
geocentric

OCTOBER 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 28	7♂44'02	19♂53	19♂58	28♂59	16♂10	4♂34	26°R55	0♂52	11♂27	7♂2	14°R43	14♂10	24♂26	10°R29	T 1
W 2	0 42 25	8°42'55	3♂31	20°53	0♂14	16°46	4°40	26°Y51	0°55	11°28	7° 4	14♂37	14° 6	24°33	10°II28	W 2
T 3	0 46 21	9°41'50	17°37	21°56	1°29	17°23	4°45	26°47	0°57	11°28	7° 6	14°28	14° 3	24°40	10°27	T 3
F 4	0 50 18	10°40'47	2♂ 7	23° 5	2°43	17°59	4°52	26°42	1° 0	11°29	7° 8	14°17	14° 0	24°46	10°26	F 4
S 5	0 54 14	11°39'46	16°55	24°21	3°58	18°35	4°58	26°38	1° 3	11°29	7°11	14° 6	13°57	24°53	10°24	S 5
S 6	0 58 11	12°38'47	1♂53	25°42	5°13	19°12	5° 4	26°33	1° 5	11°29	7°13	13°54	13°54	25° 0	10°23	S 6
M 7	1 2 8	13°37'50	16°52	27° 7	6°28	19°48	5°11	26°29	1° 8	11°30	7°15	13°45	13°50	25° 6	10°22	M 7
T 8	1 6 4	14°36'55	1♂41	28°37	7°43	20°24	5°17	26°24	1°11	11°30	7°17	13°38	13°47	25°13	10°20	T 8
W 9	1 10 1	15°36'02	16°16	0♂10	8°58	21° 0	5°24	26°19	1°14	11°30	7°20	13°34	13°44	25°20	10°19	W 9
T 10	1 13 57	16°35'10	0♂31	1°45	10°12	21°36	5°31	26°15	1°17	11°30	7°22	13°32	13°41	25°26	10°17	T 10
F 11	1 17 54	17°34'20	14°26	3°23	11°27	22°12	5°38	26°10	1°20	11°30	7°24	13°32	13°38	25°33	10°16	F 11
S 12	1 21 50	18°33'32	28° 1	5° 3	12°42	22°48	5°46	26° 5	1°23	11°31	7°27	13°32	13°35	25°40	10°14	S 12
S 13	1 25 47	19°32'46	11♂18	6°45	13°57	23°23	5°53	26° 1	1°26	11°31	7°29	13°31	13°31	25°46	10°13	S 13
M14	1 29 43	20°32'01	24°19	8°28	15°12	23°59	6° 1	25°56	1°29	11°31	7°31	13°27	13°28	25°53	10°11	M14
T 15	1 33 40	21°31'18	7♂ 7	10°11	16°27	24°34	6° 9	25°51	1°32	11°R31	7°34	13°21	13°25	26° 0	10° 9	T 15
W16	1 37 37	22°30'37	19°43	11°55	17°42	25°10	6°16	25°46	1°35	11°31	7°36	13°11	13°22	26° 6	10° 7	W16
T 17	1 41 33	23°29'58	2♂Y10	13°39	18°57	25°45	6°24	25°42	1°38	11°31	7°38	13° 0	13°19	26°13	10° 5	T 17
F 18	1 45 30	24°29'20	14°27	15°24	20°12	26°21	6°33	25°37	1°41	11°31	7°41	12°46	13°16	26°20	10° 3	F 18
S 19	1 49 26	25°28'45	26°35	17° 8	21°27	26°56	6°41	25°32	1°44	11°30	7°43	12°32	13°12	26°27	10° 1	S 19
S 20	1 53 23	26°28'12	8♂36	18°52	22°42	27°31	6°49	25°27	1°47	11°30	7°46	12°19	13° 9	26°33	9°59	S 20
M21	1 57 19	27°27'41	20°31	20°36	23°57	28° 6	6°58	25°23	1°50	11°30	7°48	12° 8	13° 6	26°40	9°57	M21
T 22	2 1 16	28°27'12	2♂II21	22°20	25°12	28°41	7° 6	25°18	1°54	11°30	7°50	11°59	13° 3	26°47	9°55	T 22
W23	2 5 12	29°26'45	14° 9	24° 4	26°27	29°16	7°15	25°13	1°57	11°30	7°53	11°53	13° 0	26°53	9°52	W23
T 24	2 9 9	0♂26'20	25°58	25°47	27°43	29°51	7°24	25° 8	2° 0	11°29	7°55	11°49	12°56	27° 0	9°50	T 24
F 25	2 13 6	1°25'58	7♂52	27°29	28°58	0♂25	7°33	25° 4	2° 4	11°29	7°58	11°D48	12°53	27° 7	9°48	F 25
S 26	2 17 2	2°25'38	19°57	29°11	0♂13	1° 0	7°42	24°59	2° 7	11°29	8° 0	11°48	12°50	27°13	9°45	S 26
S 27	2 20 59	3°25'20	2♂16	0♂52	1°28	1°34	7°52	24°54	2°10	11°28	8° 2	11°R49	12°47	27°20	9°43	S 27
M28	2 24 55	4°25'04	14°56	2°33	2°43	2° 9	8° 1	24°50	2°14	11°28	8° 5	11°48	12°44	27°27	9°40	M28
T 29	2 28 52	5°24'51	28° 2	4°14	3°58	2°43	8°11	24°45	2°17	11°27	8° 7	11°46	12°41	27°33	9°38	T 29
W30	2 32 48	6°24'39	11♂36	5°54	5°13	3°17	8°20	24°40	2°20	11°27	8°10	11°41	12°37	27°40	9°35	W30
T 31	2 36 45	7♂24'30	25♂40	7♂33	6♂29	3♂52	8♂30	24°Y36	2♂24	11♂26	8♂12	11♂34	12♂34	27♂47	9♂II33	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	3s 4	12n 4	2s54	4n49	0n56	1n44	1n26	17n 7	1n12	23s24	0s 4	7n47	2s46	20s 9	0n 9	21n55
W 2	3 27	6 40	3 47	4 38	1 7	1 14	1 26	16 57	1 13	23 24	0 4	7 46	2 46	20 10	0 9	21 55
T 3	3 50	0 46	4 28	4 23	1 18	0 44	1 26	16 47	1 14	23 23	0 4	7 44	2 46	20 10	0 9	21 55
F 4	4 13	5s20	4 54	4 4	1 27	0 14	1 26	16 36	1 14	23 23	0 4	7 42	2 46	20 11	0 9	21 55
S 5	4 36	11 15	5 0	3 41	1 34	0s16	1 26	16 26	1 15	23 23	0 4	7 40	2 46	20 12	0 9	21 55
S 6	4 59	16 35	4 46	3 15	1 41	0 45	1 26	16 15	1 16	23 23	0 4	7 39	2 46	20 12	0 9	21 55
M 7	5 22	20 53	4 12	2 46	1 46	1 15	1 25	16 4	1 17	23 23	0 4	7 37	2 46	20 13	0 9	21 55
T 8	5 45	23 46	3 22	2 14	1 50	1 45	1 25	15 53	1 17	23 23	0 4	7 35	2 46	20 13	0 9	21 55
W 9	6 8	25 0	2 19	1 40	1 53	2 15	1 25	15 43	1 18	23 22	0 5	7 34	2 46	20 14	0 9	21 55
T 10	6 31	24 33	1 8	1 4	1 55	2 45	1 24	15 32	1 19	23 22	0 5	7 32	2 46	20 15	0 9	21 55
F 11	6 53	22 33	0n 5	0 26	1 56	3 15	1 23	15 21	1 19	23 22	0 5	7 30	2 46	20 15	0 9	21 55
S 12	7 16	19 18	1 16	0s14	1 56	3 45	1 23	15 10	1 20	23 22	0 5	7 29	2 46	20 16	0 9	21 55
S 13	7 38	15 6	2 21	0 54	1 56	4 14	1 22	14 59	1 21	23 22	0 5	7 27	2 47	20 16	0 9	21 55
M14	8 1	10 17	3 18	1 36	1 54	4 44	1 21	14 47	1 21	23 21	0 5	7 25	2 47	20 17	0 9	21 55
T 15	8 23	5 7	4 3	2 18	1 52	5 13	1 20	14 36	1 22	23 21	0 5	7 23	2 47	20 18	0 9	21 55
W16	8 45	0n10	4 36	3 1	1 50	5 43	1 20	14 25	1 23	23 21	0 5	7 22	2 47	20 18	0 9	21 55
T 17	9 7	5 22	4 55	3 44	1 47	6 12	1 19	14 14	1 23	23 21	0 5	7 20	2 47	20 19	0 9	21 55
F 18	9 29	10 18	5 0	4 28	1 43	6 41	1 18	14 2	1 24	23 20	0 5	7 18	2 47	20 20	0 9	21 55
S 19	9 50	14 46	4 51	5 12	1 39	7 10	1 16	13 51	1 25	23 20	0 5	7 16	2 47	20 20	0 9	21 55
S 20	10 12	18 36	4 30	5 55	1 35	7 39	1 15	13 40	1 26	23 20	0 6	7 15	2 47	20 21	0 9	21 55
M21	10 33	21 39	3 57	6 39	1 30	8 8	1 14	13 28	1 26	23 19	0 6	7 13	2 47	20 21	0 9	21 55
T 22	10 55	23 45	3 13	7 22	1 25	8 37	1 13	13 17	1 27	23 19	0 6	7 11	2 47	20 22	0 9	21 55
W23	11 16	24 48	2 21	8 6	1 19	9 5	1 12	13 5	1 28	23 19	0 6	7 10	2 47	20 23	0 9	21 55
T 24	11 37	24 44	1 23	8 48	1 14	9 33	1 10	12 54	1 28	23 18	0 6	7 8	2 47	20 23	0 9	21 55
F 25	11 57	23 31	0 21	9 31	1 8	10 1	1 9	12 42	1 29	23 18	0 6	7 6	2 46	20 24	0 9	21 55
S 26	12 18	21 13	0s43	10 12	1 2	10 29	1 7	12 30	1 30	23 17	0 6	7 5	2 46	20 25	0 9	21 55
S 27	12 38	17 54	1 47	10 54	0 56	10 56	1 6	12 19	1 31	23 17	0 6	7 3	2 46	20 26	0 9	21 55
M28	12 59	13 40	2 47	11 35	0 49	11 24	1 4	12 7	1 31	23 16	0 6	7 1	2 46	20 26	0 9	21 55
T 29	13 19	8 42	3 40	12 15	0 43	11 51	1 3	11 55	1 32	23 16	0 6	7 0	2 46	20 27	0 9	21 55
W30	13 38	3 9	4 23	12 54	0 36	12 17	1 1	11 44	1 33	23 15	0 6	6 58	2 46	20 28	0 9	21 55
T 31	13s58	2s45	4s52	13s33	0n29	12s44	0n59	11n32	1n34	23s15	0s 7	6n56	2s46	20s28	0n 9	21n55

Julian Day Number = 2536919.5, Delta T = 199.81 sec
Ecliptic obliquity = 23°24'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°00'26, Lahiri = 27°07'26

ASTRODIENST EPHEMERIS for the year 2233

geocentric

NOVEMBER 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 40 41	8♈24°23	10♈12	9♈12	7♈44	4♈26	8♈40	24°R31	2♈27	11°R26	8♈15	11°R25	12♈31	27♈53	9°R30	F 1
S 2	2 44 38	9°24'19	25° 8	10°50	8°59	5° 0	8°50	24°V27	2°31	11°E25	8°17	11°E16	12°28	28° 0	9♈27	S 2
S 3	2 48 35	10°24'16	10♈19	12°28	10°14	5°33	9° 0	24°22	2°34	11°25	8°19	11° 6	12°25	28° 7	9°24	S 3
M 4	2 52 31	11°24'15	25°35	14° 5	11°29	6° 7	9°10	24°18	2°38	11°24	8°22	10°58	12°21	28°13	9°22	M 4
T 5	2 56 28	12°24'16	10♈44	15°42	12°45	6°41	9°20	24°13	2°41	11°23	8°24	10°52	12°18	28°20	9°19	T 5
W 6	3 0 24	13°24'19	25°37	17°18	14° 0	7°14	9°31	24° 9	2°45	11°22	8°27	10°49	12°15	28°27	9°16	W 6
T 7	3 4 21	14°24'23	10♈8	18°54	15°15	7°48	9°41	24° 5	2°49	11°22	8°29	10°D48	12°12	28°34	9°13	T 7
F 8	3 8 17	15°24'29	24°15	20°29	16°30	8°21	9°52	24° 0	2°52	11°21	8°31	10°49	12° 9	28°40	9°10	F 8
S 9	3 12 14	16°24'37	7♈55	22° 4	17°46	8°54	10° 3	23°56	2°56	11°20	8°34	10°49	12° 6	28°47	9° 7	S 9
S10	3 16 10	17°24'46	21°12	23°39	19° 1	9°27	10°13	23°52	2°59	11°19	8°36	10°R50	12° 2	28°54	9° 4	S10
M11	3 20 7	18°24'56	4♈9	25°13	20°16	10° 0	10°24	23°48	3° 3	11°18	8°39	10°48	11°59	29° 0	9° 1	M11
T12	3 24 4	19°25'08	16°48	26°47	21°31	10°33	10°35	23°44	3° 7	11°18	8°41	10°45	11°56	29° 7	8°58	T12
W13	3 28 0	20°25'21	29°13	28°20	22°47	11° 6	10°46	23°40	3°10	11°17	8°44	10°39	11°53	29°14	8°55	W13
T14	3 31 57	21°25'36	11°V27	29°53	24° 2	11°38	10°58	23°36	3°14	11°16	8°46	10°31	11°50	29°20	8°51	T14
F15	3 35 53	22°25'53	23°32	1♈26	25°17	12°11	11° 9	23°32	3°17	11°15	8°48	10°22	11°47	29°27	8°48	F15
S16	3 39 50	23°26'11	5♈31	2°59	26°33	12°43	11°20	23°28	3°21	11°14	8°51	10°13	11°43	29°34	8°45	S16
S17	3 43 46	24°26'30	17°25	4°31	27°48	13°15	11°32	23°24	3°25	11°13	8°53	10° 4	11°40	29°40	8°42	S17
M18	3 47 43	25°26'52	29°16	6° 3	29° 3	13°47	11°43	23°21	3°29	11°12	8°55	9°56	11°37	29°47	8°39	M18
T19	3 51 39	26°27'15	11♈5	7°34	0♈18	14°19	11°55	23°17	3°32	11°11	8°58	9°50	11°34	29°54	8°35	T19
W20	3 55 36	27°27'40	22°55	9° 5	1°34	14°51	12° 7	23°14	3°36	11° 9	9° 0	9°46	11°31	0♈0	8°32	W20
T21	3 59 33	28°28'06	4♈47	10°36	2°49	15°23	12°18	23°10	3°40	11° 8	9° 2	9°D44	11°27	0° 7	8°29	T21
F22	4 3 29	29°28'35	16°46	12° 7	4° 4	15°54	12°30	23° 7	3°43	11° 7	9° 5	9°45	11°24	0°14	8°26	F22
S23	4 7 26	0♈29'04	28°53	13°37	5°20	16°26	12°42	23° 3	3°47	11° 6	9° 7	9°46	11°21	0°20	8°22	S23
S24	4 11 22	1°29'36	11♈13	15° 8	6°35	16°57	12°54	23° 0	3°51	11° 5	9° 9	9°48	11°18	0°27	8°19	S24
M25	4 15 19	2°30'10	23°51	16°37	7°50	17°28	13° 6	22°57	3°54	11° 4	9°12	9°49	11°15	0°34	8°16	M25
T26	4 19 15	3°30'45	6♈51	18° 7	9° 6	17°59	13°18	22°54	3°58	11° 2	9°14	9°R49	11°12	0°40	8°12	T26
W27	4 23 12	4°31'22	20°17	19°36	10°21	18°30	13°31	22°51	4° 2	11° 1	9°16	9°48	11° 8	0°47	8° 9	W27
T28	4 27 8	5°32'00	4♈10	21° 4	11°36	19° 1	13°43	22°48	4° 6	11° 0	9°18	9°45	11° 5	0°54	8° 5	T28
F29	4 31 5	6°32'40	18°31	22°33	12°52	19°31	13°55	22°46	4° 9	10°58	9°21	9°41	11° 2	1° 0	8° 2	F29
S30	4 35 2	7♈33'22	3♈17	24♈0	14♈7	20♈2	14♈8	22°V43	4♈13	10°E57	9♈23	9♈36	10♈59	1♈7	7♈59	S30

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	decl	lat	decl	lat					
F 1	14s17	8s41	5s 4	14s11	0n23	13s10	0n57	11n20	1n34	23s14	0s 7	6n55	2s46	20s29	0n 9	21n55	1s 1	1n 0	16n 4	22s55	22s49	23n11	17n34	4s20																
S 2	14 36	14 17	4 55	14 48	0 16	13 36	0 56	11 9	1 35	23 14	0 7	6 53	2 46	20 30	0 9	21 55	1 1	1 0	16 4	22 56	22 50	23 12	17 33	4 20																
S 3	14 55	19 6	4 26	15 25	0 9	14 1	0 54	10 57	1 36	23 13	0 7	6 52	2 46	20 30	0 9	21 55	1 1	0 59	16 4	22 57	22 50	23 13	17 33	4 20																
M 4	15 14	22 39	3 37	16 0	0 3	14 26	0 52	10 45	1 36	23 12	0 7	6 50	2 46	20 31	0 9	21 55	1 1	0 58	16 4	22 57	22 50	23 14	17 32	4 21																
T 5	15 32	24 34	2 34	16 35	0s 4	14 51	0 50	10 33	1 37	23 12	0 7	6 49	2 46	20 32	0 9	21 55	1 1	0 58	16 4	22 58	22 50	23 15	17 31	4 21																
W 6	15 51	24 41	1 20	17 9	0 11	15 15	0 48	10 22	1 38	23 11	0 7	6 47	2 46	20 32	0 9	21 55	1 1	0 57	16 4	22 58	22 51	23 16	17 31	4 21																
T 7	16 8	23 5	0 4	17 42	0 18	15 39	0 46	10 10	1 39	23 11	0 7	6 46	2 45	20 33	0 9	21 55	1 1	0 56	16 4	22 58	22 51	23 17	17 30	4 21																
F 8	16 26	20 4	1n12	18 14	0 24	16 3	0 44	9 58	1 40	23 10	0 7	6 44	2 45	20 34	0 9	21 55	1 1	0 55	16 4	22 58	22 51	23 18	17 29	4 22																
S 9	16 43	16 0	2 20	18 46	0 31	16 26	0 42	9 46	1 40	23 9	0 7	6 43	2 45	20 35	0 9	21 55	1 1	0 55	16 4	22 58	22 52	23 19	17 29	4 22																
S 10	17 0	11 16	3 19	19 16	0 38	16 49	0 40	9 35	1 41	23 8	0 7	6 41	2 45	20 35	0 9	21 55	1 1	0 54	16 4	22 58	22 52	23 19	17 28	4 22																
M11	17 17	6 9	4 7	19 45	0 44	17 11	0 38	9 23	1 42	23 8	0 8	6 40	2 45	20 36	0 9	21 55	1 1	0 53	16 4	22 58	22 52	23 20	17 27	4 22																
T 12	17 34	0 54	4 41	20 14	0 50	17 33	0 36	9 11	1 43	23 7	0 8	6 39	2 45	20 37	0 9	21 55	1 1	0 53	16 4	22 59	22 52	23 21	17 27	4 22																
W13	17 50	4n17	5 1	20 41	0 57	17 54	0 33	8 59	1 43	23 6	0 8	6 37	2 45	20 37	0 9	21 55	1 1	0 52	16 4	22 59	22 53	23 22	17 26	4 23																
T 14	18 6	9 14	5 7	21 8	1 3	18 15	0 31	8 48	1 44	23 5	0 8	6 36	2 44	20 38	0 9	21 55	1 1	0 52	16 4	23 0	22 53	23 23	17 25	4 23																
F 15	18 21	13 45	4 59	21 33	1 9	18 36	0 29	8 36	1 45	23 4	0 8	6 35	2 44	20 39	0 9	21 55	1 1	0 51	16 4	23 0	22 53	23 24	17 25	4 23																
S 16	18 37	17 42	4 38	21 57	1 15	18 55	0 27	8 24	1 46	23 3	0 8	6 34	2 44	20 39	0 9	21 55	1 1	0 50	16 4	23 1	22 54	23 24	17 24	4 23																
S 17	18 51	20 55	4 5	22 20	1 21	19 15	0 24	8 13	1 46	23 3	0 8	6 32	2 44	20 40	0 9	21 56	1 1	0 50	16 5	23 2	22 54	23 25	17 23	4 23																
M18	19 6	23 15	3 21	22 42	1 26	19 34	0 22	8 1	1 47	23 2	0 8	6 31	2 44	20 41	0 9	21 56	1 1	0 49	16 5	23 2	22 54	23 26	17 23	4 24																
T 19	19 20	24 32	2 29	23 3	1 32	19 52	0 20	7 49	1 48	23 1	0 8	6 30	2 44	20 42	0 9	21 56	1 1	0 49	16 5	23 3	22 54	23 27	17 22	4 24																
W20	19 34	24 43	1 30	23 23	1 37	20 10	0 17	7 38	1 49	23 0	0 8	6 29	2 43	20 42	0 9	21 56	1 1	0 48	16 5	23 3	22 55	23 28	17 21	4 24																
T 21	19 48	23 46	0 27	23 42	1 42	20 27	0 15	7 26	1 50	22 59	0 8	6 28	2 43	20 43	0 9	21 56	1 1	0 47	16 5	23 3	22 55	23 29	17 21	4 24																
F 22	20 1	21 44	0s38	23 59	1 47	20 44	0 13	7 15	1 50	22 58	0 8	6 27	2 43	20 44	0 9	21 56	1 1	0 47	16 5	23 3	22 55	23 29	17 20	4 24																
S 23	20 14	18 41	1 42	24 15	1 52	21 0	0 10	7 3	1 51	22 57	0 9	6 26	2 43	20 44	0 9	21 56	1 1	0 46	16 5	23 3	22 55	23 30	17 19	4 24																
S 24	20 26	14 46	2 43	24 30	1 56	21 15	0 8	6 52	1 52	22 56	0 9	6 25	2 43	20 45	0 9	21 56	1 1	0 46	16 6	23 3	22 56	23 31	17 19	4 24																
M25	20 38	10 8	3 37	24 44	2 0	21 30	0 6	6 41	1 53	22 55	0 9	6 24	2 42	20 46	0 9	21 56	1 1	0 45	16 6	23 3	22 56	23 32	17 18	4 25																
T 26	20 50	4 55	4 22	24 57	2 4	21 44	0 3	6 29	1 54	22 53	0 9	6 23	2 42	20 47	0 9	21 56	1 1	0 45	16 6	23 3	22 56	23 32	17 17	4 25																
W27	21 1	0s40	4 55	25 8	2 8	21 58	0 1	6 18	1 54	22 52	0 9	6 22	2 42	20 47	0 9	21 56	1 1	0 44	16 6	23 3	22 57	23 33	17 17	4 25																
T 28	21 12	6 24	5 11	25 18	2 11	22 10	0s 2	6 7	1 55	22 51	0 9	6 21	2 42	20 48	0 9	21 56	1 1	0 44	16 6	23 3	22 57	23 34	17 16	4 25																
F 29	21 23	12 0	5 9	25 26	2 14	22 23	0 4	5 55	1 56	22 50	0 9	6 20	2 42	20 49	0 9	21 57	1 1	0 44	16 7	23 3	22 57	23 35	17 15	4 25																
S 30	21s33	17s 4	4s46	25s33	2s17	22s34	0s 6	5n44	1n57	22s49	0s 9	6n20	2s41	20s49	0n 8	21n57	1s 1	0n43	16n 7	23s 4	22s57	23n35	17n15	4s25																

ASTRODIENST EPHEMERIS for the year 2233
geocentric

DECEMBER 2233

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 38 58	8♌34°06	18♍21	25♊27	15♊22	20♏32	14♎20	22°R40	4♌17	10°R56	9♍25	9°R32	10♎56	1♏14	7°R55	S 1
M 2	4 42 55	9°34'51	3♌36	26°54	16°38	21° 2	14°33	22°Y38	4°20	10♎54	9°27	9♎28	10°53	1°21	7♏52	M 2
T 3	4 46 51	10°35'37	18°51	28°20	17°53	21°32	14°46	22°35	4°24	10°53	9°29	9°25	10°49	1°27	7°49	T 3
W 4	4 50 48	11°36'25	3♎55	29°45	19° 8	22° 1	14°58	22°33	4°28	10°51	9°32	9°D24	10°46	1°34	7°45	W 4
T 5	4 54 44	12°37'14	18°40	1♎9	20°24	22°31	15°11	22°31	4°32	10°50	9°34	9°24	10°43	1°41	7°42	T 5
F 6	4 58 41	13°38'03	3♎0	2°32	21°39	23° 0	15°24	22°29	4°35	10°49	9°36	9°25	10°40	1°47	7°38	F 6
S 7	5 2 37	14°38'54	16°53	3°53	22°54	23°29	15°37	22°27	4°39	10°47	9°38	9°27	10°37	1°54	7°35	S 7
S 8	5 6 34	15°39'45	0♏19	5°14	24°10	23°58	15°50	22°25	4°43	10°46	9°40	9°28	10°33	2° 1	7°32	S 8
M 9	5 10 31	16°40'37	13°20	6°32	25°25	24°27	16° 3	22°23	4°46	10°44	9°42	9°R29	10°30	2° 7	7°28	M 9
T 10	5 14 27	17°41'30	26° 0	7°49	26°40	24°56	16°16	22°21	4°50	10°43	9°44	9°28	10°27	2°14	7°25	T 10
W11	5 18 24	18°42'24	8♏22	9° 3	27°56	25°24	16°29	22°20	4°54	10°41	9°46	9°27	10°24	2°21	7°22	W11
T 12	5 22 20	19°43'18	20°30	10°14	29°11	25°52	16°42	22°18	4°57	10°39	9°48	9°25	10°21	2°27	7°19	T 12
F 13	5 26 17	20°44'13	2♎29	11°23	0♎26	26°20	16°55	22°17	5° 1	10°38	9°50	9°22	10°18	2°34	7°15	F 13
S 14	5 30 13	21°45'09	14°22	12°28	1°42	26°48	17° 8	22°16	5° 4	10°36	9°52	9°19	10°14	2°41	7°12	S 14
S 15	5 34 10	22°46'06	26°12	13°29	2°57	27°16	17°22	22°14	5° 8	10°35	9°54	9°16	10°11	2°47	7° 9	S 15
M16	5 38 6	23°47'04	8♏1	14°26	4°12	27°43	17°35	22°13	5°12	10°33	9°56	9°14	10° 8	2°54	7° 6	M16
T 17	5 42 3	24°48'02	19°53	15°17	5°28	28°10	17°48	22°12	5°15	10°32	9°58	9°12	10° 5	3° 1	7° 2	T 17
W18	5 46 0	25°49'01	1♎48	16° 2	6°43	28°37	18° 2	22°12	5°19	10°30	10° 0	9°11	10° 2	3° 7	6°59	W18
T 19	5 49 56	26°50'01	13°49	16°40	7°58	29° 4	18°15	22°11	5°22	10°28	10° 1	9°D11	9°59	3°14	6°56	T 19
F 20	5 53 53	27°51'02	25°58	17°11	9°14	29°30	18°29	22°10	5°26	10°27	10° 3	9°12	9°55	3°21	6°53	F 20
S 21	5 57 49	28°52'03	8♏16	17°33	10°29	29°56	18°42	22°10	5°29	10°25	10° 5	9°13	9°52	3°27	6°50	S 21
S 22	6 1 46	29°53'06	20°46	17°45	11°44	0♎22	18°56	22° 9	5°33	10°23	10° 7	9°14	9°49	3°34	6°47	S 22
M23	6 5 42	0♎54°09	3♏31	17°R47	13° 0	0°48	19°10	22° 9	5°36	10°22	10° 8	9°15	9°46	3°41	6°44	M23
T 24	6 9 39	1°55'13	16°33	17°38	14°15	1°14	19°23	22° 9	5°40	10°20	10°10	9°15	9°43	3°47	6°41	T 24
W25	6 13 36	2°56'17	29°55	17°18	15°30	1°39	19°37	22°D 9	5°43	10°18	10°12	9°R15	9°39	3°54	6°38	W25
T 26	6 17 32	3°57'23	13♎38	16°46	16°46	2° 4	19°51	22° 9	5°46	10°17	10°13	9°15	9°36	4° 1	6°35	T 26
F 27	6 21 29	4°58'29	27°43	16° 2	18° 1	2°29	20° 4	22° 9	5°50	10°15	10°15	9°15	9°33	4° 7	6°32	F 27
S 28	6 25 25	5°59'37	12♏9	15° 7	19°16	2°53	20°18	22° 9	5°53	10°13	10°17	9°15	9°30	4°14	6°29	S 28
S 29	6 29 22	7° 0'44	26°52	14° 3	20°31	3°17	20°32	22°10	5°57	10°11	10°18	9°14	9°27	4°21	6°27	S 29
M30	6 33 18	8° 1'53	11♌48	12°51	21°47	3°41	20°46	22°10	6° 0	10°10	10°20	9°14	9°24	4°27	6°24	M30
T 31	6 37 15	9♎3°02	26♌49	11♎32	23♎2	4♎5	20♎59	22°Y11	6♌3	10♎8	10♏21	9°D14	9♎20	4♏34	6♏21	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s42	21s10	4s 4	25s39	2s19	22s45	0s 9	5n33	1n58	22s47	0s 9	6n19	2s41	20s50	0n 8	21n57
M 2	21 52	23 51	3 4	25 44	2 21	22 56	0 11	5 22	1 59	22 46	0 9	6 18	2 41	20 51	0 8	21 57
T 3	22 0	24 47	1 50	25 47	2 23	23 5	0 14	5 11	2 0	22 45	0 9	6 17	2 41	20 51	0 8	21 57
W 4	22 9	23 51	0 30	25 48	2 24	23 14	0 16	5 0	2 0	22 44	0 9	6 17	2 40	20 52	0 8	21 57
T 5	22 17	21 16	0n51	25 49	2 24	23 22	0 18	4 49	2 1	22 42	0 10	6 16	2 40	20 53	0 8	21 57
F 6	22 21	17 25	2 6	25 48	2 25	23 30	0 21	4 39	2 2	22 41	0 10	6 16	2 40	20 53	0 8	21 57
S 7	22 32	12 42	3 12	25 45	2 24	23 36	0 23	4 28	2 3	22 39	0 10	6 15	2 40	20 54	0 8	21 57
S 8	22 38	7 32	4 5	25 41	2 23	23 42	0 26	4 17	2 4	22 38	0 10	6 15	2 39	20 55	0 8	21 57
M 9	22 45	2 11	4 43	25 36	2 21	23 48	0 28	4 7	2 5	22 37	0 10	6 14	2 39	20 56	0 8	21 58
T 10	22 50	3n 6	5 7	25 29	2 19	23 52	0 30	3 56	2 6	22 35	0 10	6 14	2 39	20 56	0 8	21 58
W11	22 56	8 8	5 15	25 22	2 16	23 56	0 33	3 46	2 7	22 34	0 10	6 14	2 39	20 57	0 8	21 58
T 12	23 1	12 46	5 9	25 12	2 12	23 59	0 35	3 35	2 7	22 32	0 10	6 13	2 38	20 58	0 8	21 58
F 13	23 5	16 51	4 50	25 2	2 7	24 2	0 37	3 25	2 8	22 30	0 10	6 13	2 38	20 58	0 8	21 58
S 14	23 9	20 15	4 19	24 51	2 2	24 3	0 39	3 15	2 9	22 29	0 10	6 13	2 38	20 59	0 8	21 58
S 15	23 13	22 46	3 36	24 38	1 55	24 4	0 42	3 5	2 10	22 27	0 10	6 13	2 38	20 59	0 8	21 58
M16	23 16	24 19	2 44	24 25	1 47	24 4	0 44	2 55	2 11	22 26	0 10	6 12	2 37	21 0	0 8	21 58
T 17	23 18	24 46	1 45	24 10	1 39	24 4	0 46	2 45	2 12	22 24	0 11	6 12	2 37	21 1	0 8	21 59
W18	23 21	24 5	0 41	23 55	1 29	24 2	0 48	2 35	2 13	22 22	0 11	6 12	2 37	21 1	0 8	21 59
T 19	23 22	22 16	0s26	23 39	1 18	24 0	0 50	2 25	2 14	22 21	0 11	6 12	2 37	21 2	0 8	21 59
F 20	23 24	19 26	1 32	23 23	1 5	23 57	0 52	2 16	2 15	22 19	0 11	6 12	2 36	21 3	0 8	21 59
S 21	23 24	15 41	2 35	23 7	0 52	23 54	0 54	2 6	2 16	22 17	0 11	6 12	2 36	21 3	0 8	21 59
S 22	23 25	11 13	3 31	22 51	0 37	23 50	0 56	1 57	2 17	22 15	0 11	6 12	2 36	21 4	0 8	21 59
M23	23 24	6 11	4 18	22 34	0 21	23 45	0 58	1 47	2 18	22 13	0 11	6 13	2 35	21 5	0 8	21 59
T 24	23 24	0 48	4 53	22 18	0 4	23 39	1 0	1 38	2 19	22 12	0 11	6 13	2 35	21 5	0 8	21 59
W25	23 23	4s46	5 14	22 3	0n15	23 32	1 2	1 29	2 20	22 10	0 11	6 13	2 35	21 6	0 8	22 0
T 26	23 21	10 14	5 17	21 48	0 34	23 25	1 4	1 20	2 21	22 8	0 11	6 13	2 35	21 6	0 8	22 0
F 27	23 19	15 20	5 1	21 34	0 54	23 17	1 6	1 11	2 22	22 6	0 11	6 14	2 34	21 7	0 8	22 0
S 28	23 16	19 42	4 27	21 20	1 13	23 8	1 7	1 2	2 23	22 4	0 11	6 14	2 34	21 8	0 8	22 0
S 29	23 13	22 55	3 34	21 8	1 33	22 59	1 9	0 54	2 24	22 2	0 12	6 14	2 34	21 8	0 8	22 0
M30	23 10	24 36	2 27	20 56	1 52	22 49	1 11	0 45	2 25	22 0	0 12	6 15	2 33	21 9	0 8	22 0
T 31	23s 6	24s31	1s 9	20s46	2n 9	22s38	1s12	0n37	2n26	21s58	0s12	6n15	2s33	21s 9	0n 8	22n 0

Julian Day Number = 2536980.5, Delta T = 200.01 sec
Ecliptic obliquity = 23°24'33", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°00'34", Lahiri = 27°07'34"