



Astrodienst Ephemeris Tables for the year 2238

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 2238

geocentric

JANUARY 2238

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 41 18	10°55'55"	2°26'26"	15°11'11"	24°11'11"	8°11'11"	26°11'11"	19°11'11"	22°11'11"	19°11'11"	20°11'11"	22°11'11"	21°11'11"	17°11'11"	5°11'11"	M 1
T 2	6 45 15	11° 7'02"	17° 3' 0"	16°48' 0"	24°59' 0"	8°55' 0"	26°15' 0"	19°11' 3"	22°56' 0"	19°15' 0"	20°33' 0"	22°30' 0"	21°52' 0"	17°21' 0"	5°30' 0"	T 2
W 3	6 49 11	12° 8'08"	18°23' 0"	18°25' 0"	25°54' 0"	9°31' 0"	26°11' 0"	18°58' 0"	22°59' 0"	19°13' 0"	20°35' 0"	22°18' 0"	21°49' 0"	17°28' 0"	5°26' 0"	W 3
T 4	6 53 8	13° 9'16"	15°20' 0"	20° 2' 0"	26°49' 0"	10° 6' 0"	26° 8' 0"	18°54' 0"	23° 3' 0"	19°12' 0"	20°36' 0"	22° 6' 0"	21°46' 0"	17°34' 0"	5°22' 0"	T 4
F 5	6 57 4	14°10'23"	28°50' 0"	21°40' 0"	27°45' 0"	10°42' 0"	26° 5' 0"	18°50' 0"	23° 6' 0"	19°10' 0"	20°38' 0"	21°57' 0"	21°42' 0"	17°41' 0"	5°18' 0"	F 5
S 6	7 1 1	15°11'30"	11°17'53"	23°18' 0"	28°41' 0"	11°18' 0"	26° 2' 0"	18°46' 0"	23°10' 0"	19° 8' 0"	20°40' 0"	21°51' 0"	21°39' 0"	17°48' 0"	5°14' 0"	S 6
S 7	7 4 58	16°12'38"	24°32' 0"	24°56' 0"	29°38' 0"	11°53' 0"	25°59' 0"	18°42' 0"	23°13' 0"	19° 6' 0"	20°41' 0"	21°47' 0"	21°36' 0"	17°54' 0"	5°10' 0"	S 7
M 8	7 8 54	17°13'46"	6°15'50"	26°34' 0"	0°13'35"	12°29' 0"	25°56' 0"	18°38' 0"	23°17' 0"	19° 5' 0"	20°43' 0"	21°46' 0"	21°33' 0"	18° 1' 0"	5° 6' 0"	M 8
T 9	7 12 51	18°14'55"	18°52' 0"	28°12' 0"	1°33' 0"	13° 4' 0"	25°54' 0"	18°34' 0"	23°20' 0"	19° 3' 0"	20°44' 0"	21°45' 0"	21°30' 0"	18° 7' 0"	5° 3' 0"	T 9
W10	7 16 47	19°16'04"	0°11'44"	29°50' 0"	2°31' 0"	13°40' 0"	25°52' 0"	18°30' 0"	23°23' 0"	19° 1' 0"	20°46' 0"	21°45' 0"	21°27' 0"	18°14' 0"	4°59' 0"	W10
T11	7 20 44	20°17'12"	12°31' 0"	1°11'29"	3°30' 0"	14°15' 0"	25°50' 0"	18°26' 0"	23°27' 0"	19° 0' 0"	20°47' 0"	21°44' 0"	21°23' 0"	18°21' 0"	4°55' 0"	T11
F12	7 24 40	21°18'21"	24°19' 0"	3° 7' 0"	4°30' 0"	14°50' 0"	25°48' 0"	18°22' 0"	23°30' 0"	18°58' 0"	20°49' 0"	21°41' 0"	21°20' 0"	18°27' 0"	4°51' 0"	F12
S13	7 28 37	22°19'31"	6°11'13"	4°45' 0"	5°29' 0"	15°26' 0"	25°46' 0"	18°19' 0"	23°34' 0"	18°56' 0"	20°50' 0"	21°35' 0"	21°17' 0"	18°34' 0"	4°48' 0"	S13
S14	7 32 33	23°20'40"	18°16' 0"	6°23' 0"	6°30' 0"	16° 1' 0"	25°45' 0"	18°15' 0"	23°37' 0"	18°55' 0"	20°52' 0"	21°26' 0"	21°14' 0"	18°41' 0"	4°44' 0"	S14
M15	7 36 30	24°21'49"	0°13'31"	8° 0' 0"	7°30' 0"	16°36' 0"	25°44' 0"	18°11' 0"	23°40' 0"	18°53' 0"	20°53' 0"	21°14' 0"	21°11' 0"	18°47' 0"	4°40' 0"	M15
T16	7 40 27	25°22'58"	13° 0' 0"	9°37' 0"	8°32' 0"	17°11' 0"	25°43' 0"	18° 8' 0"	23°43' 0"	18°51' 0"	20°54' 0"	21° 1' 0"	21° 8' 0"	18°54' 0"	4°37' 0"	T16
W17	7 44 23	26°24'06"	25°44' 0"	11°13' 0"	9°33' 0"	17°46' 0"	25°42' 0"	18° 5' 0"	23°47' 0"	18°50' 0"	20°56' 0"	20°46' 0"	21° 4' 0"	19° 1' 0"	4°33' 0"	W17
T18	7 48 20	27°25'15"	8°11'41"	12°48' 0"	10°35' 0"	18°21' 0"	25°41' 0"	18° 1' 0"	23°50' 0"	18°48' 0"	20°57' 0"	20°33' 0"	21° 1' 0"	19° 7' 0"	4°30' 0"	T18
F19	7 52 16	28°26'23"	21°51' 0"	14°21' 0"	11°37' 0"	18°56' 0"	25°41' 0"	17°58' 0"	23°53' 0"	18°46' 0"	20°58' 0"	20°21' 0"	20°58' 0"	19°14' 0"	4°26' 0"	F19
S20	7 56 13	29°27'30"	5°11'12"	15°53' 0"	12°40' 0"	19°31' 0"	25°40' 0"	17°55' 0"	23°56' 0"	18°44' 0"	20°59' 0"	20°11' 0"	20°55' 0"	19°21' 0"	4°23' 0"	S20
S21	8 0 9	0°11'28'36"	18°43' 0"	17°23' 0"	13°42' 0"	20° 6' 0"	25°41' 0"	17°52' 0"	23°59' 0"	18°43' 0"	21° 1' 0"	20° 5' 0"	20°52' 0"	19°27' 0"	4°19' 0"	S21
M22	8 4 6	1°29'42"	2°11'23"	18°50' 0"	14°46' 0"	20°41' 0"	25°41' 0"	17°49' 0"	24° 2' 0"	18°41' 0"	21° 2' 0"	20° 2' 0"	20°48' 0"	19°34' 0"	4°16' 0"	M22
T23	8 8 2	2°30'47"	16°11' 0"	20°14' 0"	15°49' 0"	21°16' 0"	25°42' 0"	17°47' 0"	24° 6' 0"	18°40' 0"	21° 3' 0"	20°D 1' 0"	20°45' 0"	19°41' 0"	4°13' 0"	T23
W24	8 11 59	3°31'51"	0°11'7"	21°35' 0"	16°53' 0"	21°51' 0"	25°42' 0"	17°44' 0"	24° 9' 0"	18°38' 0"	21° 4' 0"	20°R 1' 0"	20°42' 0"	19°47' 0"	4° 9' 0"	W24
T25	8 15 56	4°32'55"	14°11' 0"	22°52' 0"	17°57' 0"	22°25' 0"	25°43' 0"	17°41' 0"	24°12' 0"	18°36' 0"	21° 5' 0"	20° 1' 0"	20°39' 0"	19°54' 0"	4° 6' 0"	T25
F26	8 19 52	5°33'57"	28°23' 0"	24° 4' 0"	19° 1' 0"	23° 0' 0"	25°44' 0"	17°39' 0"	24°15' 0"	18°35' 0"	21° 6' 0"	19°59' 0"	20°36' 0"	20° 1' 0"	4° 3' 0"	F26
S27	8 23 49	6°34'59"	12°11'40"	25°10' 0"	20° 6' 0"	23°34' 0"	25°46' 0"	17°36' 0"	24°18' 0"	18°33' 0"	21° 7' 0"	19°55' 0"	20°33' 0"	20° 7' 0"	4° 0' 0"	S27
S28	8 27 45	7°35'59"	27° 1' 0"	26°10' 0"	21°11' 0"	24° 9' 0"	25°47' 0"	17°34' 0"	24°21' 0"	18°31' 0"	21° 8' 0"	19°47' 0"	20°29' 0"	20°14' 0"	3°57' 0"	S28
M29	8 31 42	8°36'59"	11°11'21"	27° 2' 0"	22°16' 0"	24°43' 0"	25°49' 0"	17°32' 0"	24°23' 0"	18°30' 0"	21° 9' 0"	19°38' 0"	20°26' 0"	20°21' 0"	3°54' 0"	M29
T30	8 35 38	9°37'57"	25°23' 0"	27°46' 0"	23°22' 0"	25°17' 0"	25°51' 0"	17°30' 0"	24°26' 0"	18°28' 0"	21°10' 0"	19°27' 0"	20°23' 0"	20°27' 0"	3°51' 0"	T30
W31	8 39 35	10°38'55"	9°11'33"	28°22' 0"	24°11'27"	25°11'52"	25°53' 0"	17°28' 0"	24°11'29"	18°27' 0"	21°11' 0"	19°15' 0"	20°20' 0"	20°11'34"	3°48' 0"	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
M 1	23s 1	18n40	4s43	24s32	2s 0	15s18	3n34	13s10	1n 9	18n22	0s57	21n24	1s34	23s18	0s 5	M 1
T 2	22 56	17 22	5 0	24 23	2 3	15 30	3 36	13 22	1 9	18 22	0 57	21 24	1 33	23 18	0 5	T 2
W 3	22 51	14 59	4 57	24 12	2 5	15 42	3 37	13 33	1 9	18 21	0 57	21 24	1 33	23 19	0 5	W 3
T 4	22 45	11 48	4 37	24 0	2 6	15 53	3 37	13 45	1 8	18 21	0 56	21 24	1 33	23 19	0 5	T 4
F 5	22 39	8 5	4 2	23 46	2 8	16 5	3 38	13 56	1 8	18 20	0 56	21 24	1 33	23 19	0 5	F 5
S 6	22 33	4 6	3 14	23 31	2 8	16 17	3 38	14 7	1 8	18 20	0 56	21 23	1 33	23 19	0 5	S 6
S 7	22 25	0 3	2 19	23 14	2 9	16 29	3 39	14 18	1 8	18 19	0 56	21 23	1 33	23 19	0 5	S 7
M 8	22 18	3s54	1 18	22 55	2 9	16 41	3 39	14 30	1 7	18 19	0 55	21 23	1 32	23 20	0 5	M 8
T 9	22 10	7 37	0 15	22 35	2 9	16 52	3 39	14 40	1 7	18 19	0 55	21 23	1 32	23 20	0 5	T 9
W10	22 1	10 58	0n47	22 14	2 8	17 4	3 38	14 51	1 7	18 18	0 55	21 23	1 32	23 20	0 5	W10
T11	21 53	13 52	1 48	21 51	2 6	17 16	3 38	15 2	1 6	18 18	0 55	21 23	1 32	23 20	0 5	T11
F12	21 43	16 11	2 43	21 27	2 4	17 27	3 37	15 13	1 6	18 18	0 54	21 23	1 32	23 20	0 5	F12
S13	21 34	17 50	3 32	21 1	2 2	17 38	3 36	15 23	1 6	18 18	0 54	21 22	1 31	23 20	0 5	S13
S14	21 23	18 42	4 12	20 34	1 59	17 49	3 35	15 34	1 6	18 18	0 54	21 22	1 31	23 21	0 5	S14
M15	21 13	18 43	4 41	20 5	1 55	18 0	3 34	15 44	1 5	18 18	0 53	21 22	1 31	23 21	0 5	M15
T16	21 2	17 51	4 57	19 36	1 50	18 11	3 33	15 54	1 5	18 18	0 53	21 22	1 31	23 21	0 5	T16
W17	20 51	16 4	4 59	19 5	1 45	18 22	3 32	16 4	1 5	18 18	0 53	21 22	1 31	23 21	0 5	W17
T18	20 39	13 28	4 45	18 32	1 40	18 32	3 30	16 14	1 4	18 18	0 53	21 22	1 30	23 21	0 5	T18
F19	20 27	10 9	4 17	17 59	1 33	18 42	3 28	16 24	1 4	18 18	0 52	21 22	1 30	23 21	0 6	F19
S20	20 14	6 17	3 33	17 25	1 26	18 52	3 27	16 34	1 4	18 19	0 52	21 22	1 30	23 22	0 6	S20
S21	20 1	2 2	2 38	16 50	1 17	19 2	3 25	16 44	1 3	18 19	0 52	21 22	1 30	23 22	0 6	S21
M22	19 48	2n21	1 32	16 14	1 8	19 11	3 23	16 53	1 3	18 19	0 52	21 22	1 30	23 22	0 6	M22
T23	19 34	6 40	0 20	15 38	0 58	19 20	3 21	17 3	1 3	18 20	0 51	21 22	1 29	23 22	0 6	T23
W24	19 20	10 40	0s53	15 2	0 48	19 28	3 18	17 12	1 2	18 20	0 51	21 22	1 29	23 22	0 6	W24
T25	19 6	14 5	2 4	14 26	0 36	19 36	3 16	17 21	1 2	18 20	0 51	21 22	1 29	23 22	0 6	T25
F26	18 51	16 42	3 8	13 51	0 23	19 44	3 13	17 30	1 1	18 21	0 50	21 22	1 29	23 22	0 6	F26
S27	18 36	18 18	4 1	13 16	0 10	19 52	3 11	17 39	1 1	18 22	0 50	21 22	1 29	23 23	0 6	S27
S28	18 21	18 44	4 39	12 42	0n 5	19 59	3 8	17 48	1 1	18 22	0 50	21 22	1 28	23 23	0 6	S28
M29	18 5	17 58	4 59	12 10	0 20	20 6	3 5	17 57	1 0	18 23	0 50	21 22	1 28	23 23	0 6	M29
T30	17 49	16 5	5 0	11 40	0 36	20 12	3 3	18 6	1 0	18 24	0 49	21 22	1 28	23 23	0 6	T30
W31	17s32	13n17	4s44	11s12	0n53	20s18	3n 0	18s14	0n59	18n24	0s49	21n22	1s28	23s23	0s 6	W31

Julian Day Number = 2538472.5, Delta T = 205.02 sec

Ecliptic obliquity = 23°24'21", Nutation = 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°04'00", Lahiri = 27°11'00"

ASTRODIENST EPHEMERIS for the year 2238

geocentric

FEBRUARY 2238

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 31	11 ³⁹ 39'52	23 ⁰ 15	28 ⁴⁸ 48	25 ²⁷ 33	26 ¹⁸ 26	25 ⁵⁸ 55	17 ⁰ R26	24 ²⁷ 32	18 ⁰ R25	21 ¹⁸ 11	19 ⁰ R 4	20 ¹⁷ 17	20 ¹⁸ 41	3 ⁰ R45	T 1
F 2	8 47 28	12 ⁴⁰ 48	6 ¹¹ 37	29 ⁰ 3	26 ⁰ 39	27 ⁰ 0	25 ⁵⁸	17 ¹¹ 24	24 ³⁵	18 ⁰ 24	21 ¹²	18 ⁰ 55	20 ¹⁴	20 ⁴⁷	3 ⁰ 42	F 2
S 3	8 51 25	13 ⁴¹ 43	19 ⁰ 36	29 ⁰ R 7	27 ⁰ 46	27 ⁰ 34	26 ⁰ 0	17 ⁰ 23	24 ³⁷	18 ⁰ 22	21 ¹³	18 ⁰ 49	20 ¹⁰	20 ⁵⁴	3 ⁰ 40	S 3
S 4	8 55 21	14 ⁴² 37	2 ¹⁵	29 ⁰ 1	28 ⁰ 52	28 ⁰ 8	26 ⁰ 3	17 ⁰ 21	24 ⁴⁰	18 ⁰ 21	21 ¹⁴	18 ⁰ 45	20 ⁰ 7	21 ⁰ 1	3 ⁰ 37	S 4
M 5	8 59 18	15 ⁴³ 31	14 ⁰ 34	28 ⁰ 42	29 ⁰ 59	28 ⁰ 42	26 ⁰ 6	17 ⁰ 20	24 ⁴³	18 ⁰ 19	21 ¹⁴	18 ⁰ D43	20 ⁰ 4	21 ⁰ 7	3 ⁰ 35	M 5
T 6	9 3 14	16 ⁴⁴ 23	26 ⁰ 38	28 ⁰ 13	1 ³ 6	29 ⁰ 16	26 ⁰ 10	17 ⁰ 18	24 ⁴⁵	18 ⁰ 18	21 ¹⁵	18 ⁰ 44	20 ⁰ 1	21 ⁰ 14	3 ⁰ 32	T 6
W 7	9 7 11	17 ⁴⁵ 15	8 ¹⁸ 32	27 ⁰ 34	2 ⁰ 13	29 ⁰ 49	26 ⁰ 13	17 ⁰ 17	24 ⁴⁸	18 ⁰ 16	21 ¹⁵	18 ⁰ 44	19 ⁰ 58	21 ⁰ 21	3 ⁰ 30	W 7
T 8	9 11 7	18 ⁴⁶ 06	20 ⁰ 21	26 ⁰ 45	3 ⁰ 21	0 ²⁷ 23	26 ⁰ 17	17 ⁰ 16	24 ⁵⁰	18 ⁰ 15	21 ¹⁶	18 ⁰ R45	19 ⁰ 54	21 ⁰ 27	3 ⁰ 27	T 8
F 9	9 15 4	19 ⁴⁶ 57	2 ²⁷ 11	25 ⁰ 48	4 ⁰ 28	0 ⁵⁷	26 ⁰ 21	17 ⁰ 15	24 ⁵³	18 ⁰ 13	21 ¹⁶	18 ⁰ 44	19 ⁰ 51	21 ⁰ 34	3 ⁰ 25	F 9
S 10	9 19 0	20 ⁴⁷ 46	14 ⁰ 6	24 ⁰ 44	5 ⁰ 36	1 ³⁰	26 ⁰ 25	17 ⁰ 14	24 ⁵⁵	18 ⁰ 12	21 ¹⁷	18 ⁰ 41	19 ⁰ 48	21 ⁰ 41	3 ⁰ 23	S 10
S 11	9 22 57	21 ⁴⁸ 35	26 ⁰ 12	23 ⁰ 35	6 ⁰ 44	2 ⁰ 4	26 ⁰ 29	17 ⁰ 13	24 ⁵⁸	18 ⁰ 11	21 ¹⁷	18 ⁰ 35	19 ⁰ 45	21 ⁰ 47	3 ⁰ 21	S 11
M12	9 26 54	22 ⁴⁹ 23	8 ³³	22 ⁰ 24	7 ⁰ 52	2 ³⁷	26 ⁰ 33	17 ⁰ 13	25 ⁰ 0	18 ⁰ 9	21 ¹⁸	18 ⁰ 28	19 ⁰ 42	21 ⁰ 54	3 ⁰ 19	M12
T 13	9 30 50	23 ⁵⁰ 09	21 ⁰ 11	21 ⁰ 12	9 ⁰ 0	3 ¹⁰	26 ⁰ 38	17 ⁰ 12	25 ⁰ 2	18 ⁰ 8	21 ¹⁸	18 ⁰ 19	19 ⁰ 39	22 ⁰ 1	3 ⁰ 17	T 13
W14	9 34 47	24 ⁵⁰ 55	4 ⁸ 8	20 ⁰ 2	10 ⁰ 8	3 ⁴³	26 ⁰ 43	17 ⁰ 12	25 ⁰ 5	18 ⁰ 7	21 ¹⁹	18 ⁰ 9	19 ⁰ 35	22 ⁰ 7	3 ⁰ 15	W14
T 15	9 38 43	25 ⁵¹ 39	17 ⁰ 23	18 ⁰ 54	11 ⁰ 17	4 ¹⁷	26 ⁰ 48	17 ⁰ 11	25 ⁰ 7	18 ⁰ 6	21 ¹⁹	17 ⁰ 59	19 ⁰ 32	22 ⁰ 14	3 ⁰ 13	T 15
F 16	9 42 40	26 ⁵² 22	0 ²⁷ 55	17 ⁰ 51	12 ⁰ 25	4 ⁴⁹	26 ⁰ 53	17 ⁰ 11	25 ⁰ 9	18 ⁰ 4	21 ¹⁹	17 ⁰ 50	19 ⁰ 29	22 ⁰ 21	3 ⁰ 11	F 16
S 17	9 46 36	27 ⁵³ 03	14 ⁰ 42	16 ⁰ 53	13 ⁰ 34	5 ²²	26 ⁰ 58	17 ⁰ D11	25 ⁰ 11	18 ⁰ 3	21 ¹⁹	17 ⁰ 44	19 ⁰ 26	22 ⁰ 27	3 ⁰ 9	S 17
S 18	9 50 33	28 ⁵³ 43	28 ⁰ 39	16 ⁰ 3	14 ⁰ 43	5 ⁵⁵	27 ⁰ 4	17 ⁰ 11	25 ⁰ 13	18 ⁰ 2	21 ²⁰	17 ⁰ 40	19 ⁰ 23	22 ⁰ 34	3 ⁰ 8	S 18
M19	9 54 29	29 ⁵⁴ 22	12 ²⁷ 44	15 ⁰ 19	15 ⁰ 52	6 ²⁸	27 ⁰ 9	17 ⁰ 11	25 ⁰ 15	18 ⁰ 1	21 ²⁰	17 ⁰ D38	19 ⁰ 19	22 ⁰ 41	3 ⁰ 6	M19
T 20	9 58 26	0 ²⁷ 54'59	26 ⁰ 52	14 ⁰ 44	17 ⁰ 1	7 ⁰ 0	27 ⁰ 15	17 ⁰ 11	25 ⁰ 17	17 ⁰ 59	21 ²⁰	17 ⁰ 38	19 ⁰ 16	22 ⁰ 47	3 ⁰ 5	T 20
W21	10 2 23	1 ⁵⁵ 34	11 ¹⁸ 2	14 ⁰ 16	18 ⁰ 10	7 ³³	27 ⁰ 21	17 ⁰ 12	25 ⁰ 19	17 ⁰ 58	21 ²⁰	17 ⁰ 40	19 ⁰ 13	22 ⁰ 54	3 ⁰ 3	W21
T 22	10 6 19	2 ⁵⁶ 07	25 ⁰ 11	13 ⁰ 56	19 ⁰ 20	8 ⁰ 5	27 ⁰ 27	17 ⁰ 12	25 ⁰ 21	17 ⁰ 57	21 ²⁰	17 ⁰ 41	19 ⁰ 10	23 ⁰ 1	3 ⁰ 2	T 22
F 23	10 10 16	3 ⁵⁶ 39	9 ¹¹ 19	13 ⁰ 43	20 ⁰ 29	8 ³⁷	27 ⁰ 34	17 ⁰ 13	25 ⁰ 23	17 ⁰ 56	21 ⁰ R20	17 ⁰ R41	19 ⁰ 7	23 ⁰ 7	3 ⁰ 1	F 23
S 24	10 14 12	4 ⁵⁷ 08	23 ⁰ 23	13 ⁰ D38	21 ⁰ 38	9 ¹⁰	27 ⁰ 40	17 ⁰ 13	25 ⁰ 25	17 ⁰ 55	21 ²⁰	17 ⁰ 39	19 ⁰ 4	23 ⁰ 14	3 ⁰ 0	S 24
S 25	10 18 9	5 ⁵⁷ 36	7 ⁰ 22	13 ⁰ 40	22 ⁰ 48	9 ⁴²	27 ⁰ 47	17 ⁰ 14	25 ⁰ 27	17 ⁰ 54	21 ²⁰	17 ⁰ 36	19 ⁰ 0	23 ⁰ 21	2 ⁵⁹	S 25
M26	10 22 5	6 ⁵⁸ 03	21 ⁰ 15	13 ⁰ 48	23 ⁰ 58	10 ¹³	27 ⁰ 54	17 ⁰ 15	25 ⁰ 29	17 ⁰ 53	21 ²⁰	17 ⁰ 31	18 ⁰ 57	23 ⁰ 27	2 ⁵⁸	M26
T 27	10 26 2	7 ⁵⁸ 27	4 ⁰ 59	14 ⁰ 2	25 ⁰ 8	10 ⁴⁵	28 ⁰ 1	17 ⁰ 16	25 ⁰ 30	17 ⁰ 52	21 ²⁰	17 ⁰ 24	18 ⁰ 54	23 ⁰ 34	2 ⁵⁷	T 27
W28	10 29 58	8 ⁵⁸ 49	18 ⁰ 31	14 ⁰ 23	26 ⁰ 18	11 ²⁷ 17	28 ⁰ 8	17 ⁰ 17	25 ⁰ 32	17 ⁰ 51	21 ⁰ M19	17 ⁰ 17	18 ⁰ 51	23 ⁰ M41	2 ⁵⁶	W28

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	17s16	9n48	4s11	10s47	1n10	20s23	2n57	18s22	0n59	18n25	0s49	21n22	1s27	23s23	0s 6	21n23
F 2	16 59	5 54	3 24	10 26	1 27	20 28	2 54	18 31	0 58	18 26	0 49	21 22	1 27	23 23	0 6	21 23
S 3	16 41	1 50	2 29	10 8	1 45	20 33	2 50	18 39	0 58	18 27	0 48	21 22	1 27	23 23	0 6	21 23
S 4	16 24	2s13	1 27	9 54	2 2	20 37	2 47	18 47	0 58	18 28	0 48	21 22	1 27	23 24	0 6	21 23
M 5	16 6	6 4	0 22	9 44	2 19	20 41	2 44	18 55	0 57	18 29	0 48	21 22	1 26	23 24	0 6	21 24
T 6	15 48	9 36	0n42	9 39	2 35	20 44	2 40	19 3	0 57	18 30	0 48	21 22	1 26	23 24	0 6	21 24
W 7	15 29	12 41	1 44	9 38	2 50	20 46	2 37	19 10	0 56	18 31	0 47	21 22	1 26	23 24	0 6	21 24
T 8	15 11	15 13	2 41	9 42	3 4	20 48	2 33	19 18	0 56	18 32	0 47	21 22	1 26	23 24	0 6	21 24
F 9	14 52	17 7	3 31	9 50	3 15	20 50	2 30	19 25	0 55	18 33	0 47	21 23	1 26	23 24	0 6	21 24
S 10	14 33	18 17	4 12	10 2	3 25	20 51	2 26	19 33	0 54	18 34	0 47	21 23	1 25	23 24	0 6	21 25
S 11	14 13	18 38	4 43	10 17	3 33	20 52	2 23	19 40	0 54	18 35	0 46	21 23	1 25	23 24	0 6	21 25
M12	13 53	18 7	5 1	10 35	3 38	20 52	2 19	19 47	0 53	18 37	0 46	21 23	1 25	23 25	0 6	21 25
T 13	13 33	16 43	5 5	10 56	3 41	20 51	2 15	19 54	0 53	18 38	0 46	21 23	1 25	23 25	0 6	21 25
W14	13 13	14 26	4 54	11 17	3 41	20 50	2 11	20 1	0 52	18 39	0 45	21 23	1 24	23 25	0 6	21 26
T 15	12 53	11 22	4 27	11 40	3 39	20 49	2 7	20 7	0 52	18 41	0 45	21 24	1 24	23 25	0 6	21 26
F 16	12 32	7 38	3 44	12 3	3 35	20 47	2 4	20 14	0 51	18 42	0 45	21 24	1 24	23 25	0 6	21 26
S 17	12 12	3 26	2 48	12 26	3 29	20 44	2 0	20 20	0 50	18 44	0 45	21 24	1 24	23 25	0 6	21 26
S 18	11 51	1n 0	1 41	12 48	3 21	20 41	1 56	20 27	0 50	18 45	0 45	21 24	1 23	23 25	0 6	21 26
M19	11 29	5 26	0 26	13 10	3 12	20 37	1 52	20 33	0 49	18 47	0 44	21 25	1 23	23 25	0 6	21 26
T 20	11 8	9 34	0s50	13 30	3 1	20 33	1 48	20 39	0 49	18 48	0 44	21 25	1 23	23 25	0 6	21 27
W21	10 46	13 10	2 3	13 49	2 50	20 28	1 44	20 45	0 48	18 50	0 44	21 25	1 23	23 25	0 6	21 27
T 22	10 25	15 59	3 9	14 6	2 38	20 22	1 40	20 51	0 47	18 51	0 44	21 25	1 22	23 25	0 6	21 27
F 23	10 3	17 48	4 3	14 21	2 26	20 16	1 36	20 57	0 47	18 53	0 43	21 26	1 22	23 26	0 6	21 27
S 24	9 41	18 32	4 43	14 35	2 13	20 10	1 32	21 2	0 46	18 55	0 43	21 26	1 22	23 26	0 6	21 27
S 25	9 19	18 8	5 5	14 47	2 0	20 3	1 28	21 8	0 45	18 56	0 43	21 26	1 22	23 26	0 6	21 27
M26	8 56	16 38	5 9	14 57	1 47	19 55	1 23	21 13	0 44	18 58	0 43	21 27	1 22	23 26	0 6	21 28
T 27	8 34	14 13	4 55	15 5	1 34	19 47	1 19	21 18	0 44	19 0	0 42	21 27	1 21	23 26	0 6	21 28
W28	8s12	11n 3	4s25	15s12	1n21	19s38	1n15	21s24	0n43	19n 2	0s42	21n27	1s21	23s26	0s 6	21n28

Julian Day Number = 2538503.5, Delta T = 205.12 sec

Ecliptic obliquity = 23°24'21", Nutation = 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°04'04", Lahiri = 27°11'04"

ASTRODIENST EPHEMERIS for the year 2238

geocentric

MARCH 2238

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 33 55	9♂59°10	1♂49	14♂49	27♂28	11♂48	28♂15	17♂19	25♂34	17°R50	21°R19	17°R11	18♂48	23♂47	2°R55	T 1	
F 2	10 37 52	10°59'29	14°51	15°19	28°38	12°20	28°22	17°20	25°35	17♂49	21♂19	17♂6	18°45	23°54	2♂55	F 2	
S 3	10 41 48	11°59'46	27°37	15°55	29°48	12°51	28°30	17°22	25°37	17°48	21°19	17°3	18°41	24°1	2°54	S 3	
S 4	10 45 45	13° 0'01	10♂7	16°34	0♂58	13°22	28°38	17°23	25°38	17°48	21°18	17°1	18°38	24°7	2°53	S 4	
M 5	10 49 41	14° 0'15	22°22	17°18	2°9	13°53	28°46	17°25	25°39	17°47	21°18	17°D 1	18°35	24°14	2°53	M 5	
T 6	10 53 38	15° 0'28	4♂25	18°6	3°19	14°24	28°54	17°27	25°41	17°46	21°18	17°2	18°32	24°21	2°53	T 6	
W 7	10 57 34	16° 0'39	16°20	18°57	4°30	14°55	29°2	17°29	25°42	17°45	21°17	17°4	18°29	24°27	2°53	W 7	
T 8	11 1 31	17° 0'48	28°10	19°51	5°40	15°26	29°10	17°31	25°43	17°45	21°17	17°5	18°25	24°34	2°52	T 8	
F 9	11 5 27	18° 0'56	10♂0	20°48	6°51	15°56	29°18	17°33	25°45	17°44	21°16	17°7	18°22	24°41	2°D52	F 9	
S 10	11 9 24	19° 1'02	21°56	21°47	8°2	16°27	29°27	17°35	25°46	17°43	21°16	17°R 7	18°19	24°47	2°52	S 10	
S 11	11 13 20	20° 1'07	4♂2	22°50	9°13	16°57	29°36	17°37	25°47	17°43	21°15	17°6	18°16	24°54	2°53	S 11	
M12	11 17 17	21° 1'10	16°22	23°55	10°24	17°27	29°44	17°40	25°48	17°42	21°15	17°4	18°13	25°1	2°53	M12	
T 13	11 21 14	22° 1'12	29°2	25°2	11°35	17°57	29°53	17°42	25°49	17°42	21°14	17°1	18°10	25°7	2°53	T 13	
W14	11 25 10	23° 1'11	12♂3	26°11	12°46	18°26	0♂3	17°45	25°50	17°41	21°14	16°57	18°6	25°14	2°54	W14	
T 15	11 29 7	24° 1'10	25°27	27°23	13°57	18°56	0°12	17°48	25°51	17°41	21°13	16°53	18°3	25°21	2°54	T 15	
F 16	11 33 3	25° 1'06	9♂14	28°36	15°8	19°25	0°21	17°51	25°51	17°40	21°12	16°50	18°0	25°27	2°55	F 16	
S 17	11 37 0	26° 1'00	23°20	29°51	16°19	19°55	0°31	17°54	25°52	17°40	21°11	16°48	17°57	25°34	2°55	S 17	
S 18	11 40 56	27° 0'53	7°Y42	1♂8	17°31	20°24	0°40	17°57	25°53	17°39	21°11	16°47	17°54	25°41	2°56	S 18	
M19	11 44 53	28° 0'44	22°15	2°27	18°42	20°52	0°50	18°0	25°54	17°39	21°10	16°D47	17°51	25°48	2°57	M19	
T 20	11 48 49	29° 0'32	6♂51	3°47	19°53	21°21	1°0	18°3	25°54	17°39	21°9	16°47	17°47	25°54	2°58	T 20	
W21	11 52 46	0°Y 0'19	21°25	5°9	21°5	21°49	1°10	18°6	25°55	17°38	21°8	16°48	17°44	26°1	2°59	W21	
T 22	11 56 43	1° 0'03	5♂53	6°33	22°16	22°18	1°20	18°10	25°55	17°38	21°7	16°50	17°41	26°8	3°0	T 22	
F 23	12 0 39	1°59'45	20°10	7°57	23°28	22°46	1°30	18°13	25°56	17°38	21°6	16°50	17°38	26°14	3°1	F 23	
S 24	12 4 36	2°59'25	4♂15	9°24	24°39	23°14	1°40	18°17	25°56	17°38	21°5	16°R51	17°35	26°21	3°2	S 24	
S 25	12 8 32	3°59'02	18°6	10°52	25°51	23°41	1°50	18°21	25°57	17°37	21°4	16°50	17°31	26°28	3°3	S 25	
M26	12 12 29	4°58'37	1♂42	12°21	27°3	24°9	2°1	18°25	25°57	17°37	21°3	16°49	17°28	26°34	3°5	M26	
T 27	12 16 25	5°58'10	15°3	13°51	28°14	24°36	2°11	18°29	25°57	17°37	21°2	16°48	17°25	26°41	3°6	T 27	
W28	12 20 22	6°57'40	28°10	15°23	29°26	25°3	2°22	18°33	25°57	17°37	21°1	16°47	17°22	26°48	3°8	W28	
T 29	12 24 18	7°57'09	11♂4	16°57	0♂38	25°30	2°33	18°37	25°57	17°D37	21°0	16°46	17°19	26°54	3°10	T 29	
F 30	12 28 15	8°56'35	23°44	18°32	1°49	25°56	2°44	18°41	25°58	17°37	20°59	16°45	17°16	27°1	3°11	F 30	
S 31	12 32 12	9°Y55'59	6♂12	20♂8	3♂1	26♂22	2♂55	18♂45	25°R58	17♂37	20♂58	16♂44	17♂12	27♂8	3♂13	S 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s49	7n22	3s41	15s17	1n9	19s28	1n11	21s29	0n42	19n4	0s42	21n28	1s21	23s26	0s6	21n28	0s45
F 2	7 26	3 24	2 46	15 20	0 56	19 19	1 7	21 34	0 41	19 6	0 42	21 28	1 21	23 26	0 6	21 28	0 45
S 3	7 3	0s39	1 44	15 21	0 44	19 8	1 3	21 38	0 40	19 7	0 42	21 28	1 20	23 26	0 6	21 28	0 45
S 4	6 40	4 35	0 38	15 20	0 32	18 57	0 59	21 43	0 40	19 9	0 41	21 29	1 20	23 26	0 6	21 29	0 45
M 5	6 17	8 14	0n29	15 18	0 20	18 46	0 55	21 48	0 39	19 11	0 41	21 29	1 20	23 26	0 6	21 29	0 45
T 6	5 54	11 30	1 34	15 15	0 9	18 34	0 51	21 52	0 38	19 13	0 41	21 30	1 20	23 26	0 6	21 29	0 45
W 7	5 31	14 14	2 34	15 9	0s2	18 21	0 47	21 56	0 37	19 15	0 41	21 30	1 19	23 26	0 6	21 29	0 45
T 8	5 7	16 22	3 27	15 2	0 13	18 8	0 43	22 1	0 36	19 17	0 40	21 30	1 19	23 26	0 6	21 29	0 45
F 9	4 44	17 47	4 11	14 54	0 23	17 54	0 39	22 5	0 35	19 19	0 40	21 31	1 19	23 26	0 6	21 29	0 45
S 10	4 20	18 26	4 45	14 44	0 32	17 40	0 35	22 9	0 34	19 21	0 40	21 31	1 19	23 26	0 6	21 29	0 45
S 11	3 57	18 15	5 6	14 33	0 42	17 26	0 31	22 13	0 33	19 23	0 40	21 32	1 18	23 27	0 6	21 29	0 45
M12	3 33	17 12	5 14	14 20	0 51	17 10	0 27	22 17	0 32	19 25	0 40	21 32	1 18	23 27	0 6	21 30	0 45
T 13	3 10	15 18	5 7	14 6	0 59	16 55	0 23	22 20	0 31	19 27	0 39	21 33	1 18	23 27	0 6	21 30	0 45
W14	2 46	12 35	4 45	13 50	1 8	16 39	0 19	22 24	0 30	19 30	0 39	21 33	1 18	23 27	0 6	21 30	0 45
T 15	2 22	9 9	4 6	13 33	1 15	16 22	0 16	22 27	0 29	19 32	0 39	21 34	1 18	23 27	0 6	21 30	0 45
F 16	1 59	5 7	3 12	13 14	1 23	16 5	0 12	22 31	0 28	19 34	0 39	21 34	1 17	23 27	0 6	21 30	0 45
S 17	1 35	0 43	2 6	12 54	1 30	15 48	0 8	22 34	0 27	19 36	0 39	21 35	1 17	23 27	0 6	21 30	0 45
S 18	1 11	3n49	0 50	12 33	1 36	15 30	0 4	22 37	0 26	19 38	0 38	21 35	1 17	23 27	0 6	21 30	0 45
M19	0 47	8 11	0s30	12 11	1 42	15 11	0 1	22 40	0 25	19 40	0 38	21 36	1 17	23 27	0 6	21 30	0 45
T 20	0 24	12 4	1 49	11 47	1 48	14 52	0s3	22 43	0 24	19 43	0 38	21 36	1 16	23 27	0 6	21 30	0 45
W21	0n0	15 12	3 0	11 22	1 53	14 33	0 6	22 46	0 23	19 45	0 38	21 37	1 16	23 27	0 6	21 30	0 45
T 22	0 24	17 20	3 59	10 55	1 58	14 14	0 10	22 49	0 22	19 47	0 38	21 37	1 16	23 27	0 6	21 30	0 45
F 23	0 48	18 20	4 43	10 28	2 2	13 53	0 13	22 52	0 21	19 49	0 37	21 38	1 16	23 27	0 6	21 30	0 45
S 24	1 11	18 11	5 9	9 59	2 6	13 33	0 17	22 55	0 19	19 51	0 37	21 38	1 16	23 27	0 6	21 31	0 45
S 25	1 35	16 57	5 17	9 29	2 10	13 12	0 20	22 57	0 18	19 54	0 37	21 39	1 15	23 27	0 6	21 31	0 45
M26	1 58	14 47	5 6	8 58	2 13	12 51	0 24	23 0	0 17	19 56	0 37	21 39	1 15	23 27	0 6	21 31	0 45
T 27	2 22	11 51	4 39	8 26	2 16	12 29	0 27	23 2	0 15	19 58	0 37	21 40	1 15	23 27	0 6	21 31	0 45
W28	2 46	8 22	3 58	7 52	2 18	12 7	0 30	23 5	0 14	20 1	0 37	21 40	1 15	23 27	0 6	21 31	0 45
T 29	3 9	4 33	3 5	7 17	2 19	11 45	0 33	23 7	0 13	20 3	0 36	21 41	1 15	23 27	0 6	21 31	0 44
F 30	3 32	0 35	2 4	6 42	2 21	11 23	0 36	23 9	0 11	20 5	0 36	21 41	1 14	23 27	0 6	21 31	0 44
S 31	3n56	3s21	0s58	6s5	2s22	11s0	0s39	23s11	0n10	20n7	0s36	21n42	1s14	23s27	0s7	21n31	0s44

Julian Day Number = 2538531.5, Delta T = 205.22 sec

Ecliptic obliquity = 23°24'22", Nutation = 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°04'08", Lahiri = 27°11'08"

ASTRODIENST EPHEMERIS for the year 2238

geocentric

APRIL 2238

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 36 8	10°55'21	18°28	21°45	4°13	26°48	3°11	18°50	25°R58	17°37	20°R57	16°D44	17°29	27°M14	3°25	S 1
M 2	12 40 5	11°54'41	0°M35	23°24	5°25	27°14	3°17	18°54	25°R57	17°37	20°M56	16°D44	17°6	27°21	3°17	M 2
T 3	12 44 1	12°53'59	12°33	25°4	6°37	27°40	3°28	18°59	25°57	17°38	20°54	16°44	17°3	27°28	3°19	T 3
W 4	12 47 58	13°53'15	24°26	26°45	7°49	28°5	3°39	19°3	25°57	17°38	20°53	16°45	17°0	27°34	3°21	W 4
T 5	12 51 54	14°52'29	6°16	28°28	9°1	28°30	3°51	19°8	25°57	17°38	20°52	16°45	16°56	27°41	3°23	T 5
F 6	12 55 51	15°51'42	18°7	0°Y13	10°13	28°55	4°2	19°13	25°57	17°38	20°51	16°45	16°53	27°48	3°26	F 6
S 7	12 59 47	16°50'53	0°2	1°58	11°25	29°19	4°14	19°18	25°56	17°38	20°49	16°R45	16°50	27°54	3°28	S 7
S 8	13 3 44	17°50'02	12°7	3°46	12°37	29°44	4°25	19°23	25°56	17°39	20°48	16°D45	16°47	28°1	3°30	S 8
M 9	13 7 40	18°49'09	24°25	5°34	13°49	0°2	4°37	19°28	25°56	17°39	20°47	16°45	16°44	28°8	3°33	M 9
T 10	13 11 37	19°48'15	7°2	7°24	15°2	0°31	4°49	19°33	25°55	17°40	20°45	16°45	16°41	28°14	3°36	T 10
W11	13 15 34	20°47'18	20°0	9°15	16°14	0°54	5°1	19°38	25°55	17°40	20°44	16°46	16°37	28°21	3°38	W11
T 12	13 19 30	21°46'20	3°23	11°8	17°26	1°17	5°13	19°43	25°54	17°40	20°43	16°46	16°34	28°28	3°41	T 12
F 13	13 23 27	22°45'21	17°11	13°3	18°38	1°40	5°25	19°49	25°53	17°41	20°41	16°47	16°31	28°34	3°44	F 13
S 14	13 27 23	23°44'19	1°Y25	14°58	19°50	2°2	5°37	19°54	25°53	17°41	20°40	16°47	16°28	28°41	3°47	S 14
S 15	13 31 20	24°43'15	16°1	16°56	21°3	2°24	5°49	20°0	25°52	17°42	20°38	16°R47	16°25	28°48	3°50	S 15
M16	13 35 16	25°42'10	0°852	18°54	22°15	2°46	6°1	20°5	25°51	17°42	20°37	16°47	16°22	28°54	3°53	M16
T 17	13 39 13	26°41'02	15°52	20°54	23°27	3°7	6°14	20°11	25°50	17°43	20°35	16°47	16°18	29°1	3°56	T 17
W18	13 43 9	27°39'53	0°152	22°55	24°40	3°28	6°26	20°17	25°49	17°44	20°34	16°45	16°15	29°8	3°59	W18
T 19	13 47 6	28°38'41	15°43	24°58	25°52	3°48	6°39	20°22	25°49	17°44	20°32	16°44	16°12	29°14	4°2	T 19
F 20	13 51 3	29°37'27	0°20	27°2	27°4	4°8	6°51	20°28	25°48	17°45	20°31	16°43	16°9	29°21	4°5	F 20
S 21	13 54 59	0°836'11	14°36	29°7	28°17	4°28	7°4	20°34	25°47	17°46	20°29	16°42	16°6	29°28	4°9	S 21
S 22	13 58 56	1°34'53	28°30	1°812	29°29	4°47	7°16	20°40	25°45	17°47	20°28	16°D41	16°2	29°35	4°12	S 22
M23	14 2 52	2°33'32	12°2	3°19	0°Y42	5°6	7°29	20°46	25°44	17°47	20°26	16°41	15°59	29°41	4°16	M23
T 24	14 6 49	3°32'10	25°12	5°26	1°54	5°25	7°42	20°52	25°43	17°48	20°24	16°42	15°56	29°48	4°19	T 24
W25	14 10 45	4°30'44	8°3	7°34	3°7	5°43	7°55	20°58	25°42	17°49	20°23	16°43	15°53	29°55	4°23	W25
T 26	14 14 42	5°29'17	20°39	9°42	4°19	6°0	8°8	21°5	25°41	17°50	20°21	16°45	15°50	0°1	4°27	T 26
F 27	14 18 38	6°27'48	3°2	11°49	5°32	6°18	8°20	21°11	25°39	17°51	20°20	16°46	15°47	0°8	4°30	F 27
S 28	14 22 35	7°26'16	15°13	13°57	6°44	6°34	8°33	21°17	25°38	17°52	20°18	16°R47	15°43	0°15	4°34	S 28
S 29	14 26 32	8°24'43	27°17	16°4	7°57	6°51	8°46	21°24	25°37	17°53	20°16	16°46	15°40	0°21	4°38	S 29
M30	14 30 28	9°23'08	9°M14	18°810	9°Y9	7°2	9°11	21°30	25°35	17°54	20°M15	16°D45	15°37	0°28	4°42	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4n19	7s 5	0n10	5s27	2s22	10s36	0s42	23s13	0n 9	20n10	0s36	21n43	1s14	23s27	0s 7	S 1
M 2	4 42	10 28	1 16	4 47	2 22	10 13	0 45	23 15	0 7	20 12	0 36	21 43	1 14	23 27	0 7	M 2
T 3	5 5	13 23	2 19	4 7	2 21	9 49	0 48	23 17	0 6	20 14	0 35	21 44	1 14	23 27	0 7	T 3
W 4	5 28	15 42	3 15	3 26	2 20	9 25	0 51	23 19	0 4	20 17	0 35	21 44	1 13	23 27	0 7	W 4
T 5	5 51	17 21	4 2	2 44	2 19	9 0	0 54	23 21	0 3	20 19	0 35	21 45	1 13	23 27	0 7	T 5
F 6	6 14	18 15	4 39	2 0	2 17	8 36	0 56	23 23	0 1	20 21	0 35	21 45	1 13	23 27	0 7	F 6
S 7	6 37	18 20	5 4	1 16	2 14	8 11	0 59	23 25	0s 1	20 23	0 35	21 46	1 13	23 27	0 7	S 7
S 8	6 59	17 36	5 17	0 31	2 11	7 45	1 1	23 27	0 2	20 26	0 35	21 47	1 13	23 27	0 7	S 8
M 9	7 22	16 2	5 15	0n15	2 8	7 20	1 4	23 28	0 4	20 28	0 34	21 47	1 12	23 27	0 7	M 9
T 10	7 44	13 41	4 58	1 2	2 4	6 54	1 6	23 30	0 6	20 30	0 34	21 48	1 12	23 27	0 7	T 10
W11	8 6	10 35	4 26	1 50	1 59	6 29	1 8	23 31	0 7	20 33	0 34	21 48	1 12	23 27	0 7	W11
T 12	8 28	6 51	3 39	2 39	1 54	6 3	1 11	23 33	0 9	20 35	0 34	21 49	1 12	23 27	0 7	T 12
F 13	8 50	2 38	2 37	3 29	1 49	5 36	1 13	23 35	0 11	20 37	0 34	21 50	1 12	23 27	0 7	F 13
S 14	9 12	1n51	1 24	4 19	1 43	5 10	1 15	23 36	0 13	20 40	0 34	21 50	1 11	23 27	0 7	S 14
S 15	9 34	6 21	0 4	5 10	1 36	4 43	1 17	23 38	0 15	20 42	0 34	21 51	1 11	23 27	0 7	S 15
M16	9 55	10 33	1s17	6 1	1 29	4 17	1 19	23 39	0 17	20 44	0 33	21 51	1 11	23 27	0 7	M16
T 17	10 17	14 6	2 34	6 53	1 22	3 50	1 21	23 41	0 18	20 46	0 33	21 52	1 11	23 27	0 7	T 17
W18	10 38	16 42	3 41	7 46	1 14	3 23	1 22	23 42	0 20	20 49	0 33	21 52	1 11	23 27	0 7	W18
T 19	10 59	18 8	4 32	8 38	1 5	2 56	1 24	23 44	0 23	20 51	0 33	21 53	1 11	23 27	0 7	T 19
F 20	11 19	18 20	5 4	9 31	0 56	2 28	1 26	23 45	0 25	20 53	0 33	21 54	1 10	23 27	0 7	F 20
S 21	11 40	17 22	5 17	10 24	0 47	2 1	1 27	23 47	0 27	20 55	0 33	21 54	1 10	23 27	0 7	S 21
S 22	12 0	15 22	5 10	11 17	0 37	1 34	1 29	23 48	0 29	20 58	0 33	21 55	1 10	23 27	0 7	S 22
M23	12 21	12 35	4 46	12 10	0 28	1 6	1 30	23 49	0 31	21 0	0 32	21 55	1 10	23 27	0 7	M23
T 24	12 41	9 12	4 8	13 3	0 17	0 39	1 31	23 51	0 33	21 2	0 32	21 56	1 10	23 27	0 7	T 24
W25	13 0	5 28	3 18	13 54	0 7	0 11	1 33	23 53	0 36	21 4	0 32	21 57	1 10	23 27	0 7	W25
T 26	13 20	1 34	2 19	14 45	0n 4	0n17	1 34	23 54	0 38	21 6	0 32	21 57	1 9	23 27	0 7	T 26
F 27	13 39	2s21	1 15	15 35	0 15	0 44	1 35	23 56	0 40	21 9	0 32	21 58	1 9	23 27	0 7	F 27
S 28	13 58	6 7	0 9	16 24	0 25	1 12	1 36	23 57	0 43	21 11	0 32	21 58	1 9	23 27	0 7	S 28
S 29	14 17	9 36	0n58	17 12	0 36	1 40	1 37	23 59	0 45	21 13	0 32	21 59	1 9	23 27	0 7	S 29
M30	14n36	12s39	2n 1	17n58	0n47	2n 8	1s38	24s 1	0s48	21n15	0s31	21n59	1s 9	23s27	0s 7	M30

Julian Day Number = 2538562.5, Delta T = 205.32 sec
 Ecliptic obliquity = 23°24'22, Nutation = 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°04'12, Lahiri = 27°11'12

ASTRODIENST EPHEMERIS for the year 2238
geocentric

MAY 2238

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 34 25	10♈21'31	21♎ 7	20♈14	10♋22	7♌22	9♍13	21♎37	25°R34	17♏55	20°R13	16°R42	15♎34	0♈35	4♉46	T 1
W 2	14 38 21	11°19'52	2♊58	22°17	11°34	7°36	9°26	21°43	25♊32	17°56	20♎11	16♎38	15°31	0°41	4°50	W 2
T 3	14 42 18	12°18'12	14°49	24°18	12°47	7°51	9°39	21°50	25°31	17°57	20°10	16°34	15°27	0°48	4°54	T 3
F 4	14 46 14	13°16'30	26°41	26°17	13°59	8° 5	9°52	21°56	25°29	17°58	20° 8	16°30	15°24	0°55	4°58	F 4
S 5	14 50 11	14°14'46	8♌39	28°14	15°12	8°18	10° 6	22° 3	25°28	18° 0	20° 6	16°25	15°21	1° 1	5° 2	S 5
S 6	14 54 7	15°13'01	20°45	0♎ 8	16°25	8°30	10°19	22°10	25°26	18° 1	20° 5	16°22	15°18	1° 8	5° 7	S 6
M 7	14 58 4	16°11'14	3♎ 2	1°59	17°37	8°43	10°32	22°17	25°24	18° 2	20° 3	16°20	15°15	1°15	5°11	M 7
T 8	15 2 1	17° 9'26	15°35	3°47	18°50	8°54	10°46	22°24	25°23	18° 3	20° 1	16°D19	15°12	1°21	5°15	T 8
W 9	15 5 57	18° 7'36	28°28	5°31	20° 2	9° 5	10°59	22°30	25°21	18° 4	20° 0	16°20	15° 8	1°28	5°20	W 9
T 10	15 9 54	19° 5'45	11♋44	7°12	21°15	9°16	11°13	22°37	25°19	18° 6	19°58	16°21	15° 5	1°35	5°24	T 10
F 11	15 13 50	20° 3'52	25°25	8°50	22°28	9°25	11°26	22°44	25°17	18° 7	19°56	16°22	15° 2	1°42	5°29	F 11
S 12	15 17 47	21° 1'58	9♋34	10°24	23°41	9°34	11°40	22°51	25°15	18° 8	19°55	16°R23	14°59	1°48	5°34	S 12
S 13	15 21 43	22° 0'03	24° 9	11°54	24°53	9°43	11°53	22°58	25°13	18°10	19°53	16°23	14°56	1°55	5°38	S 13
M14	15 25 40	22°58'06	9♈ 5	13°21	26° 6	9°51	12° 7	23° 6	25°11	18°11	19°51	16°22	14°53	2° 2	5°43	M14
T 15	15 29 36	23°56'08	24°16	14°43	27°19	9°58	12°20	23°13	25°10	18°13	19°50	16°18	14°49	2° 8	5°48	T 15
W16	15 33 33	24°54'08	9♎30	16° 2	28°31	10° 5	12°34	23°20	25° 8	18°14	19°48	16°13	14°46	2°15	5°52	W16
T 17	15 37 30	25°52'07	24°40	17°17	29°44	10°10	12°48	23°27	25° 6	18°16	19°46	16° 8	14°43	2°22	5°57	T 17
F 18	15 41 26	26°50'04	9♌33	18°27	0♈57	10°16	13° 1	23°34	25° 3	18°17	19°45	16° 2	14°40	2°28	6° 2	F 18
S 19	15 45 23	27°47'59	24° 4	19°33	2°10	10°20	13°15	23°42	25° 1	18°19	19°43	15°57	14°37	2°35	6° 7	S 19
S 20	15 49 19	28°45'52	8♎ 8	20°36	3°23	10°24	13°29	23°49	24°59	18°20	19°41	15°53	14°33	2°42	6°12	S 20
M21	15 53 16	29°43'44	21°44	21°33	4°35	10°27	13°43	23°56	24°57	18°22	19°40	15°52	14°30	2°48	6°17	M21
T 22	15 57 12	0♎41'34	4♎53	22°27	5°48	10°29	13°57	24° 4	24°55	18°24	19°38	15°D51	14°27	2°55	6°22	T 22
W23	16 1 9	1°39'22	17°40	23°16	7° 1	10°31	14°10	24°11	24°53	18°25	19°36	15°52	14°24	3° 2	6°27	W23
T 24	16 5 5	2°37'08	0♎ 7	24° 1	8°14	10°32	14°24	24°19	24°51	18°27	19°35	15°54	14°21	3° 8	6°32	T 24
F 25	16 9 2	3°34'53	12°19	24°41	9°26	10°R32	14°38	24°26	24°48	18°28	19°33	15°R54	14°18	3°15	6°37	F 25
S 26	16 12 59	4°32'36	24°21	25°16	10°39	10°32	14°52	24°34	24°46	18°30	19°31	15°54	14°14	3°22	6°43	S 26
S 27	16 16 55	5°30'18	6♎16	25°47	11°52	10°31	15° 6	24°41	24°44	18°32	19°30	15°52	14°11	3°29	6°48	S 27
M28	16 20 52	6°27'58	18° 8	26°13	13° 5	10°29	15°20	24°49	24°42	18°34	19°28	15°47	14° 8	3°35	6°53	M28
T 29	16 24 48	7°25'37	29°58	26°35	14°18	10°26	15°34	24°56	24°39	18°35	19°27	15°41	14° 5	3°42	6°58	T 29
W30	16 28 45	8°23'15	11♋48	26°52	15°31	10°22	15°48	25° 4	24°37	18°37	19°25	15°32	14° 2	3°49	7° 4	W30
T 31	16 32 41	9♎20'52	23♊42	27♎ 4	16♋43	10♌18	16♎ 1	25♎11	24♊35	18♏39	19♎23	15♎22	13♎59	3♊55	7♏ 9	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
T 1	14n54	15s 9	2n58	18n42	0n57	2n35	1s38	24s 2	0s50	21n17	0s31	22n 0	1s 9	23s27
W 2	15 13	17 0	3 47	19 24	1 7	3 3	1 39	24 4	0 53	21 19	0 31	22 1	1 8	23 27
T 3	15 30	18 7	4 27	20 4	1 17	3 31	1 40	24 6	0 55	21 21	0 31	22 1	1 8	23 27
F 4	15 48	18 27	4 55	20 42	1 27	3 58	1 40	24 8	0 58	21 23	0 31	22 2	1 8	23 27
S 5	16 5	17 58	5 10	21 18	1 36	4 26	1 41	24 10	1 1	21 25	0 31	22 2	1 8	23 27
S 6	16 23	16 40	5 12	21 51	1 44	4 53	1 41	24 12	1 4	21 27	0 31	22 3	1 8	23 27
M 7	16 39	14 35	5 0	22 21	1 52	5 21	1 41	24 14	1 7	21 30	0 31	22 3	1 8	23 27
T 8	16 56	11 47	4 34	22 50	1 59	5 48	1 41	24 16	1 9	21 32	0 30	22 4	1 8	23 27
W 9	17 12	8 21	3 53	23 15	2 6	6 15	1 42	24 18	1 12	21 34	0 30	22 4	1 7	23 27
T 10	17 28	4 24	2 58	23 38	2 11	6 43	1 42	24 20	1 15	21 36	0 30	22 5	1 7	23 26
F 11	17 44	0 6	1 52	23 59	2 16	7 10	1 42	24 23	1 18	21 37	0 30	22 5	1 7	23 26
S 12	17 59	4n21	0 37	24 17	2 20	7 36	1 41	24 25	1 22	21 39	0 30	22 6	1 7	23 26
S 13	18 15	8 42	0s42	24 33	2 23	8 3	1 41	24 27	1 25	21 41	0 30	22 6	1 7	23 26
M14	18 29	12 36	2 1	24 47	2 26	8 30	1 41	24 30	1 28	21 43	0 30	22 7	1 7	23 26
T 15	18 44	15 43	3 12	24 58	2 27	8 56	1 41	24 33	1 31	21 45	0 30	22 7	1 7	23 26
W16	18 58	17 44	4 9	25 7	2 28	9 22	1 40	24 36	1 34	21 47	0 29	22 8	1 6	23 26
T 17	19 12	18 29	4 49	25 14	2 27	9 48	1 40	24 38	1 38	21 49	0 29	22 8	1 6	23 26
F 18	19 25	17 56	5 8	25 20	2 26	10 14	1 39	24 41	1 41	21 51	0 29	22 9	1 6	23 26
S 19	19 39	16 13	5 7	25 23	2 24	10 40	1 39	24 45	1 45	21 53	0 29	22 9	1 6	23 26
S 20	19 51	13 35	4 47	25 24	2 20	11 5	1 38	24 48	1 48	21 54	0 29	22 10	1 6	23 26
M21	20 4	10 16	4 12	25 24	2 16	11 30	1 37	24 51	1 52	21 56	0 29	22 10	1 6	23 26
T 22	20 16	6 32	3 24	25 22	2 11	11 55	1 37	24 54	1 55	21 58	0 29	22 11	1 6	23 26
W23	20 28	2 37	2 27	25 19	2 5	12 20	1 36	24 58	1 59	22 0	0 29	22 11	1 6	23 26
T 24	20 39	1s20	1 24	25 14	1 58	12 44	1 35	25 2	2 3	22 1	0 29	22 12	1 5	23 26
F 25	20 50	5 10	0 19	25 8	1 50	13 8	1 34	25 5	2 6	22 3	0 29	22 12	1 5	23 26
S 26	21 1	8 43	0n46	25 0	1 41	13 32	1 33	25 9	2 10	22 5	0 28	22 13	1 5	23 25
S 27	21 11	11 54	1 48	24 51	1 31	13 55	1 32	25 13	2 14	22 6	0 28	22 13	1 5	23 25
M28	21 21	14 34	2 45	24 41	1 20	14 18	1 30	25 17	2 18	22 8	0 28	22 13	1 5	23 25
T 29	21 31	16 37	3 34	24 30	1 8	14 41	1 29	25 21	2 22	22 10	0 28	22 14	1 5	23 25
W30	21 40	17 58	4 15	24 17	0 55	15 4	1 28	25 25	2 26	22 11	0 28	22 14	1 5	23 25
T 31	21n49	18s32	4n44	24n 4	0n42	15n26	1s26	25s29	2s30	22n13	0s28	22n15	1s 5	23s25

Julian Day Number = 2538592.5, Delta T = 205.42 sec
Ecliptic obliquity = 23°24'21, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°04'16, Lahiri = 27°11'17

ASTRODIENST EPHEMERIS for the year 2238

geocentric

JUNE 2238

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 36 38	10 ^{II} 18'27	5 [☾] 39	27 ^{II} 11	17 [♂] 56	10°R13	16 ^{II} 15	25 ^{II} 19	24°R32	18 [☾] 41	19°R22	15°R12	13 [♂] 55	4 [♂] 2	7 [☾] 14	F 1
S 2	16 40 34	11°16'02	17°43	27°R13	19° 9	10 [☾] 7	16°29	25°27	24 [♂] 30	18°43	19 ^{III} 20	15 [♂] 2	13°52	4° 9	7°20	S 2
S 3	16 44 31	12°13'35	29°54	27°11	20°22	10° 1	16°43	25°34	24°28	18°44	19°19	14°54	13°49	4°15	7°25	S 3
M 4	16 48 28	13°11'08	12 [♂] 16	27° 5	21°35	9°54	16°57	25°42	24°25	18°46	19°17	14°48	13°46	4°22	7°31	M 4
T 5	16 52 24	14° 8'39	24°50	26°54	22°48	9°46	17°11	25°50	24°23	18°48	19°16	14°44	13°43	4°29	7°36	T 5
W 6	16 56 21	15° 6'10	7 [♂] 41	26°39	24° 1	9°37	17°25	25°57	24°20	18°50	19°14	14°42	13°39	4°35	7°42	W 6
T 7	17 0 17	16° 3'40	20°51	26°20	25°14	9°28	17°39	26° 5	24°18	18°52	19°13	14°D42	13°36	4°42	7°47	T 7
F 8	17 4 14	17° 1'10	4 [♂] 25	25°58	26°27	9°17	17°53	26°13	24°15	18°54	19°11	14°42	13°33	4°49	7°53	F 8
S 9	17 8 10	17°58'38	18°23	25°33	27°40	9° 7	18° 7	26°21	24°13	18°56	19°10	14°R42	13°30	4°56	7°59	S 9
S 10	17 12 7	18°56'06	2 [♂] 47	25° 5	28°53	8°55	18°21	26°28	24°11	18°58	19° 9	14°41	13°27	5° 2	8° 4	S 10
M11	17 16 3	19°53'34	17°34	24°35	0 ^{II} 6	8°43	18°35	26°36	24° 8	19° 0	19° 7	14°38	13°24	5° 9	8°10	M11
T 12	17 20 0	20°51'00	2 ^{II} 39	24° 3	1°19	8°30	18°49	26°44	24° 6	19° 2	19° 6	14°32	13°20	5°16	8°16	T 12
W13	17 23 57	21°48'26	17°53	23°30	2°32	8°16	19° 3	26°52	24° 3	19° 4	19° 4	14°24	13°17	5°22	8°21	W13
T 14	17 27 53	22°45'52	3 [☾] 5	22°57	3°45	8° 2	19°17	27° 0	24° 1	19° 6	19° 3	14°14	13°14	5°29	8°27	T 14
F 15	17 31 50	23°43'16	18° 6	22°23	4°58	7°47	19°31	27° 7	23°58	19° 8	19° 2	14° 4	13°11	5°36	8°33	F 15
S 16	17 35 46	24°40'39	2 [♂] 45	21°50	6°11	7°32	19°45	27°15	23°56	19°10	19° 1	13°55	13° 8	5°42	8°38	S 16
S 17	17 39 43	25°38'02	16°57	21°19	7°24	7°16	19°59	27°23	23°53	19°12	18°59	13°48	13° 5	5°49	8°44	S 17
M18	17 43 39	26°35'23	0 ^{III} 40	20°48	8°37	7° 0	20°13	27°31	23°51	19°14	18°58	13°43	13° 1	5°56	8°50	M18
T 19	17 47 36	27°32'44	13°53	20°20	9°50	6°44	20°26	27°39	23°48	19°16	18°57	13°41	12°58	6° 2	8°56	T 19
W20	17 51 32	28°30'03	26°41	19°55	11° 3	6°26	20°40	27°46	23°46	19°18	18°56	13°D40	12°55	6° 9	9° 2	W20
T 21	17 55 29	29°27'22	9 [♂] 7	19°33	12°17	6° 9	20°54	27°54	23°43	19°21	18°54	13°R40	12°52	6°16	9° 7	T 21
F 22	17 59 26	0 [☾] 24'39	21°17	19°14	13°30	5°51	21° 8	28° 2	23°41	19°23	18°53	13°40	12°49	6°23	9°13	F 22
S 23	18 3 22	1°21'56	3 ^{III} 15	18°59	14°43	5°33	21°22	28°10	23°39	19°25	18°52	13°39	12°45	6°29	9°19	S 23
S 24	18 7 19	2°19'13	15° 7	18°48	15°56	5°15	21°36	28°18	23°36	19°27	18°51	13°35	12°42	6°36	9°25	S 24
M25	18 11 15	3°16'28	26°56	18°41	17° 9	4°56	21°49	28°25	23°34	19°29	18°50	13°29	12°39	6°43	9°31	M25
T 26	18 15 12	4°13'43	8 [♂] 47	18°D39	18°22	4°38	22° 3	28°33	23°31	19°31	18°49	13°20	12°36	6°49	9°37	T 26
W27	18 19 8	5°10'58	20°40	18°41	19°35	4°19	22°17	28°41	23°29	19°33	18°48	13° 8	12°33	6°56	9°43	W27
T 28	18 23 5	6° 8'12	2 [☾] 39	18°48	20°49	4° 0	22°31	28°49	23°26	19°36	18°47	12°55	12°30	7° 3	9°49	T 28
F 29	18 27 1	7° 5'25	14°45	18°59	22° 2	3°41	22°44	28°57	23°24	19°38	18°46	12°42	12°26	7° 9	9°54	F 29
S 30	18 30 58	8 [☾] 2'39	26 [☾] 59	19 ^{II} 16	23 ^{II} 15	3 [☾] 22	22 ^{II} 58	29 ^{II} 4	23 [♂] 22	19 [☾] 40	18 ^{III} 45	12 [♂] 29	12 [♂] 23	7 [♂] 16	10 [☾] 0	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	21n58	18s16	5n 1	23n50	0n27	15n48	1s25	25s34	2s33	22n14	0s28	22n15	1s 5	23s25	0s 7	21n24	0s42	2s12	15n55	5s59	5s29	17s 2	17n14	5s59	
S 2	22 6	17 12	5 5	23 35	0 12	16 9	1 24	25 38	2 38	22 16	0 28	22 15	1 4	23 25	0 7	21 24	0 42	2 11	15 55	5 55	5 28	17 3	17 14	5 59	
S 3	22 14	15 20	4 55	23 19	0s 3	16 30	1 22	25 43	2 42	22 17	0 28	22 16	1 4	23 25	0 7	21 24	0 42	2 11	15 54	5 52	5 27	17 4	17 13	5 59	
M 4	22 21	12 45	4 31	23 3	0 20	16 50	1 20	25 47	2 46	22 19	0 28	22 16	1 4	23 25	0 7	21 24	0 42	2 11	15 54	5 49	5 25	17 4	17 13	5 59	
T 5	22 28	9 33	3 54	22 46	0 36	17 11	1 19	25 52	2 50	22 20	0 27	22 16	1 4	23 25	0 7	21 23	0 42	2 11	15 54	5 48	5 24	17 5	17 13	5 59	
W 6	22 34	5 49	3 4	22 28	0 54	17 30	1 17	25 57	2 54	22 21	0 27	22 17	1 4	23 25	0 7	21 23	0 42	2 11	15 53	5 47	5 23	17 6	17 13	5 59	
T 7	22 41	1 43	2 4	22 10	1 11	17 50	1 15	26 1	2 58	22 23	0 27	22 17	1 4	23 24	0 7	21 23	0 42	2 11	15 53	5 47	5 22	17 6	17 13	5 58	
F 8	22 46	2n35	0 55	21 52	1 28	18 8	1 14	26 6	3 2	22 24	0 27	22 17	1 4	23 24	0 7	21 23	0 42	2 11	15 53	5 47	5 20	17 7	17 13	5 58	
S 9	22 52	6 54	0s20	21 34	1 46	18 27	1 12	26 11	3 6	22 26	0 27	22 18	1 4	23 24	0 7	21 22	0 42	2 11	15 53	5 47	5 19	17 8	17 12	5 58	
S 10	22 57	10 56	1 35	21 16	2 3	18 45	1 10	26 16	3 10	22 27	0 27	22 18	1 4	23 24	0 7	21 22	0 42	2 11	15 52	5 47	5 18	17 8	17 12	5 58	
M11	23 1	14 24	2 46	20 58	2 20	19 2	1 8	26 21	3 14	22 28	0 27	22 18	1 4	23 24	0 7	21 22	0 42	2 11	15 52	5 45	5 17	17 9	17 12	5 58	
T 12	23 5	16 58	3 46	20 41	2 36	19 19	1 6	26 26	3 18	22 29	0 27	22 18	1 3	23 24	0 8	21 22	0 42	2 11	15 52	5 43	5 16	17 9	17 12	5 58	
W13	23 9	18 21	4 31	20 23	2 52	19 35	1 4	26 31	3 22	22 31	0 27	22 19	1 3	23 24	0 8	21 21	0 42	2 11	15 51	5 40	5 14	17 10	17 11	5 58	
T 14	23 12	18 25	4 57	20 7	3 6	19 51	1 2	26 36	3 26	22 32	0 27	22 19	1 3	23 24	0 8	21 21	0 42	2 11	15 51	5 36	5 13	17 11	17 11	5 58	
F 15	23 15	17 12	5 2	19 51	3 20	20 7	1 0	26 41	3 30	22 33	0 27	22 19	1 3	23 24	0 8	21 21	0 42	2 11	15 51	5 32	5 12	17 11	17 11	5 58	
S 16	23 18	14 52	4 47	19 37	3 33	20 22	0 58	26 45	3 34	22 34	0 26	22 20	1 3	23 24	0 8	21 21	0 42	2 11	15 50	5 29	5 11	17 12	17 11	5 58	
S 17	23 20	11 42	4 14	19 23	3 45	20 36	0 56	26 50	3 38	22 35	0 26	22 20	1 3	23 23	0 8	21 20	0 42	2 11	15 50	5 26	5 9	17 13	17 10	5 58	
M18	23 22	7 59	3 27	19 11	3 55	20 50	0 53	26 55	3 42	22 36	0 26	22 20	1 3	23 23	0 8	21 20	0 42	2 11	15 49	5 24	5 8	17 13	17 10	5 58	
T 19	23 23	4 0	2 31	19 0	4 4	21 3	0 51	27 0	3 46	22 38	0 26	22 20	1 3	23 23	0 8	21 20	0 42	2 11	15 49	5 23	5 7	17 14	17 10	5 57	
W20	23 24	0s 3	1 29	18 50	4 12	21 16	0 49	27 4	3 49	22 39	0 26	22 20	1 3	23 23	0 8	21 19	0 42	2 11	15 49	5 23	5 6	17 14	17 9	5 57	
T 21	23 24	3 59	0 24	18 42	4 18	21 28	0 47	27 9	3 53	22 40	0 26	22 21	1 3	23 23	0 8	21 19	0 42	2 11	15 48	5 23	5 4	17 15	17 9	5 57	
F 22	23 24	7 40	0n40	18 36	4 23	21 39	0 44	27 13	3 57	22 41	0 26	22 21	1 3	23 23	0 8	21 19	0 42	2 11	15 48	5 23	5 3	17 16	17 9	5 57	
S 23	23 24	10 59	1 42	18 31	4 27	21 50	0 42	27 17	4 0	22 42	0 26	22 21	1 3	23 23	0 8	21 19	0 42	2 11	15 47	5 23	5 2	17 16	17 8	5 57	
S 24	23 23	13 49	2 38	18 28	4 29	22 0	0 40	27 22	4 4	22 43	0 26	22 21	1 3	23 23	0 8	21 18	0 42	2 11	15 47	5 21	5 1	17 17	17 8	5 57	
M25	23 22	16 4	3 28	18 27	4 30	22 10	0 37	27 26	4 7	22 44	0 26	22 21	1 2	23 23	0 8	21 18	0 42	2 12	15 47	5 19	4 59	17 17	17 7	5 57	
T 26	23 20	17 39	4 8	18 27	4 29	22 19	0 35	27 30	4 10	22 44	0 26	22 21	1 2	23 22	0 8	21 18	0 42	2 12	15 46	5 15	4 58	17 18	17 7	5 57	
W27	23 18	18 28	4 38	18 29	4 28	22 27	0 33	27 33	4 13	22 45	0 26	22 22	1 2	23 22	0 8	21 17	0 42	2 12	15 46	5 11	4 57	17 18	17 7	5 57	
T 28	23 16	18 28	4 55	18 32	4 25	22 35	0 30	27 37	4 17	22 46	0 25	22 22	1 2	23 22	0 8	21 17	0 42	2 12	15 45	5 6	4 56	17 19	17 6	5 57	
F 29	23 13	17 37	5 0	18 37	4 21	22 42	0 28	27 41	4 19	22 47	0 25	22 22	1 2	23 22	0 8	21 17	0 42	2 12	15 45	5 1	4 55	17 20	17 6	5 57	
S 30	23n10	15s59	4n51	18n43	4s16	22n49	0s25	27s44	4s22	22n48	0s25	22n22	1s 2	23s22	0s 8	21n17	0s42	2s12	15n44	4s56	4s53	17s20	17n 5	5s57	

ASTRODIENST EPHEMERIS for the year 2238
geocentric

JULY 2238

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 55	8 ⁵⁹ 52	9 ²¹	19 ³⁷	24 ²⁸	3 ^{R 4}	23 ¹²	29 ¹²	23 ^{R19}	19 ⁴²	18 ^{R44}	12 ^{R18}	12 ²⁰	7 ²³	10 ⁶	S 1
M 2	18 38 51	9 ⁵⁷ 05	21 ⁵⁴	20° 3	25 ⁴²	2 ⁴⁵	23 ²⁵	29 ²⁰	23 ¹⁷	19 ⁴⁴	18 ⁴³	12 ⁹	12 ¹⁷	7 ³⁰	10 ¹²	M 2
T 3	18 42 48	10 ⁵⁴ 17	4 ³⁷	20 ³⁴	26 ⁵⁵	2 ²⁶	23 ³⁹	29 ²⁸	23 ¹⁵	19 ⁴⁷	18 ⁴²	12° 3	12 ¹⁴	7 ³⁶	10 ¹⁸	T 3
W 4	18 46 44	11 ⁵¹ 30	17 ³⁴	21° 9	28° 8	2° 8	23 ⁵³	29 ³⁵	23 ¹²	19 ⁴⁹	18 ⁴¹	11 ⁵⁹	12 ¹¹	7 ⁴³	10 ²⁴	W 4
T 5	18 50 41	12 ⁴⁸ 43	0 ⁴⁶	21 ⁴⁹	29 ²²	1 ⁵⁰	24° 6	29 ⁴³	23 ¹⁰	19 ⁵¹	18 ⁴¹	11 ⁵⁸	12° 7	7 ⁵⁰	10 ³⁰	T 5
F 6	18 54 37	13 ⁴⁵ 56	14 ¹⁷	22 ³³	0 ³⁵	1 ³²	24 ²⁰	29 ⁵¹	23° 8	19 ⁵³	18 ⁴⁰	11 ⁵⁸	12° 4	7 ⁵⁶	10 ³⁶	F 6
S 7	18 58 34	14 ⁴³ 09	28° 7	23 ²²	1 ⁴⁸	1 ¹⁵	24 ³³	29 ⁵⁸	23° 6	19 ⁵⁵	18 ³⁹	11 ⁵⁸	12° 1	8° 3	10 ⁴²	S 7
S 8	19 2 30	15 ⁴⁰ 23	12 ¹⁹	24 ¹⁶	3° 2	0 ⁵⁷	24 ⁴⁷	0 ⁶	23° 3	19 ⁵⁸	18 ³⁸	11 ⁵⁶	11 ⁵⁸	8 ¹⁰	10 ⁴⁸	S 8
M 9	19 6 27	16 ³⁷ 37	26 ⁵⁰	25 ¹⁴	4 ¹⁵	0 ⁴¹	25° 0	0 ¹⁴	23° 1	20° 0	18 ³⁸	11 ⁵²	11 ⁵⁵	8 ¹⁶	10 ⁵⁴	M 9
T 10	19 10 24	17 ³⁴ 51	11 ³⁸	26 ¹⁶	5 ²⁹	0 ²⁴	25 ¹³	0 ²¹	22 ⁵⁹	20° 2	18 ³⁷	11 ⁴⁶	11 ⁵¹	8 ²³	11° 0	T 10
W11	19 14 20	18 ³² 05	26 ³⁶	27 ²³	6 ⁴²	0° 8	25 ²⁷	0 ²⁹	22 ⁵⁷	20° 4	18 ³⁶	11 ³⁷	11 ⁴⁸	8 ³⁰	11° 5	W11
T 12	19 18 17	19 ²⁹ 19	11 ³⁶	28 ³³	7 ⁵⁵	29 ⁵³	25 ⁴⁰	0 ³⁶	22 ⁵⁵	20° 7	18 ³⁶	11 ²⁶	11 ⁴⁵	8 ³⁷	11 ¹¹	T 12
F 13	19 22 13	20 ²⁶ 34	26 ²⁸	29 ⁴⁸	9° 9	29 ³⁸	25 ⁵³	0 ⁴⁴	22 ⁵³	20° 9	18 ³⁵	11 ¹⁵	11 ⁴²	8 ⁴³	11 ¹⁷	F 13
S 14	19 26 10	21 ²³ 49	11 ³	1 ⁷	10 ²²	29 ²⁴	26° 7	0 ⁵¹	22 ⁵¹	20 ¹¹	18 ³⁵	11° 5	11 ³⁹	8 ⁵⁰	11 ²³	S 14
S 15	19 30 6	22 ²¹ 03	25 ¹⁴	2 ³¹	11 ³⁶	29 ¹¹	26 ²⁰	0 ⁵⁹	22 ⁴⁹	20 ¹³	18 ³⁴	10 ⁵⁷	11 ³⁶	8 ⁵⁷	11 ²⁹	S 15
M16	19 34 3	23 ¹⁸ 18	8 ⁵⁸	3 ⁵⁸	12 ⁴⁹	28 ⁵⁸	26 ³³	1° 6	22 ⁴⁷	20 ¹⁶	18 ³⁴	10 ⁵¹	11 ³²	9° 3	11 ³⁵	M16
T 17	19 37 59	24 ¹⁵ 32	22 ¹⁵	5 ²⁹	14° 3	28 ⁴⁶	26 ⁴⁶	1 ¹⁴	22 ⁴⁵	20 ¹⁸	18 ³³	10 ⁴⁸	11 ²⁹	9 ¹⁰	11 ⁴¹	T 17
W18	19 41 56	25 ¹² 47	5 ¹⁵	7° 3	15 ¹⁷	28 ³⁴	26 ⁵⁹	1 ²¹	22 ⁴³	20 ²⁰	18 ³³	10 ⁴⁷	11 ²⁶	9 ¹⁷	11 ⁴⁷	W18
T 19	19 45 53	26 ¹⁰ 01	17 ³⁴	8 ⁴²	16 ³⁰	28 ²⁴	27 ¹²	1 ²⁸	22 ⁴¹	20 ²²	18 ³³	10 ^{D47}	11 ²³	9 ²³	11 ⁵²	T 19
F 20	19 49 49	27° 7'16	29 ⁴⁵	10 ²⁴	17 ⁴⁴	28 ¹⁴	27 ²⁵	1 ³⁶	22 ³⁹	20 ²⁴	18 ³²	10 ^{R47}	11 ²⁰	9 ³⁰	11 ⁵⁸	F 20
S 21	19 53 46	28° 4'30	11 ⁴⁴	12 ¹⁰	18 ⁵⁷	28° 5	27 ³⁸	1 ⁴³	22 ³⁷	20 ²⁷	18 ³²	10 ⁴⁶	11 ¹⁷	9 ³⁷	12° 4	S 21
S 22	19 57 42	29° 1'45	23 ³⁶	13 ⁵⁸	20 ¹¹	27 ⁵⁶	27 ⁵¹	1 ⁵⁰	22 ³⁵	20 ²⁹	18 ³²	10 ⁴³	11 ¹³	9 ⁴⁴	12 ¹⁰	S 22
M23	20 1 39	29 ⁵⁹ 00	5 ¹⁷	15 ⁵⁰	21 ²⁵	27 ⁴⁹	28° 4	1 ⁵⁸	22 ³³	20 ³¹	18 ³¹	10 ³⁸	11 ¹⁰	9 ⁵⁰	12 ¹⁶	M23
T 24	20 5 35	0 ⁵⁶ 15	17 ¹⁹	17 ⁴⁵	22 ³⁸	27 ⁴²	28 ¹⁶	2° 5	22 ³²	20 ³³	18 ³¹	10 ³¹	11° 7	9 ⁵⁷	12 ²¹	T 24
W25	20 9 32	1 ⁵³ 31	29 ¹⁷	19 ⁴²	23 ⁵²	27 ³⁶	28 ²⁹	2 ¹²	22 ³⁰	20 ³⁵	18 ³¹	10 ²¹	11° 4	10° 4	12 ²⁷	W25
T 26	20 13 28	2 ⁵⁰ 47	11 ²³	21 ⁴²	25° 6	27 ³¹	28 ⁴²	2 ¹⁹	22 ²⁸	20 ³⁸	18 ³¹	10 ¹⁰	11° 1	10 ¹⁰	12 ³³	T 26
F 27	20 17 25	3 ⁴⁸ 03	23 ³⁹	23 ⁴³	26 ¹⁹	27 ²⁷	28 ⁵⁴	2 ²⁶	22 ²⁶	20 ⁴⁰	18 ³¹	9 ⁵⁸	10 ⁵⁷	10 ¹⁷	12 ³⁸	F 27
S 28	20 21 22	4 ⁴⁵ 20	6 ¹⁵	25 ⁴⁶	27 ³³	27 ²³	29° 7	2 ³³	22 ²⁵	20 ⁴²	18 ³¹	9 ⁴⁷	10 ⁵⁴	10 ²⁴	12 ⁴⁴	S 28
S 29	20 25 18	5 ⁴² 37	18 ⁴⁴	27 ⁵¹	28 ⁴⁷	27 ²¹	29 ¹⁹	2 ⁴⁰	22 ²³	20 ⁴⁴	18 ³¹	9 ³⁷	10 ⁵¹	10 ³⁰	12 ⁵⁰	S 29
M30	20 29 15	6 ³⁹ 55	1 ³⁴	29 ⁵⁶	0 ¹	27 ¹⁹	29 ³²	2 ⁴⁷	22 ²²	20 ⁴⁶	18 ^{D31}	9 ²⁹	10 ⁴⁸	10 ³⁷	12 ⁵⁵	M30
T 31	20 33 11	7 ³⁷ 13	14 ³⁴	2 ³	1 ¹⁵	27 ¹⁸	29 ⁴⁴	2 ⁵⁴	22 ²⁰	20 ⁴⁹	18 ³¹	9 ²⁴	10 ⁴⁵	10 ¹⁴	13 ¹	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
S 1	23n 6	13s35	4n28	18n51	4s10	22n54	0s23	27s47	4s25	22n49	0s25	22n22	1s 2	23s22	0s 8	21n16	0s42	2s13	15n44	4s51	4s52	17s21	17n 5	5s58			
M 2	23 2	10 32	3 52	19 0	4 3	23 0	0 21	27 50	4 28	22 49	0 25	22 22	1 2	23 22	0 8	21 16	0 42	2 13	15 43	4 48	4 51	17 21	17 4	5 58			
T 3	22 58	6 57	3 4	19 10	3 55	23 4	0 18	27 53	4 30	22 50	0 25	22 22	1 2	23 22	0 8	21 16	0 42	2 13	15 43	4 45	4 50	17 22	17 4	5 58			
W 4	22 53	2 59	2 5	19 21	3 46	23 8	0 16	27 56	4 33	22 51	0 25	22 22	1 2	23 22	0 8	21 15	0 42	2 13	15 42	4 44	4 48	17 22	17 3	5 58			
T 5	22 47	1n12	0 59	19 32	3 37	23 11	0 13	27 58	4 35	22 52	0 25	22 22	1 2	23 21	0 8	21 15	0 42	2 14	15 42	4 43	4 47	17 23	17 3	5 58			
F 6	22 42	5 26	0s12	19 45	3 27	23 14	0 11	28 1	4 37	22 52	0 25	22 23	1 2	23 21	0 8	21 15	0 42	2 14	15 41	4 43	4 46	17 24	17 2	5 58			
S 7	22 36	9 29	1 24	19 58	3 17	23 15	0 8	28 3	4 39	22 53	0 25	22 23	1 2	23 21	0 8	21 14	0 42	2 14	15 41	4 43	4 45	17 24	17 2	5 58			
S 8	22 29	13 5	2 33	20 11	3 6	23 16	0 6	28 5	4 41	22 53	0 25	22 23	1 2	23 21	0 8	21 14	0 42	2 15	15 40	4 43	4 43	17 25	17 1	5 58			
M 9	22 22	15 58	3 33	20 25	2 54	23 17	0 3	28 7	4 43	22 54	0 25	22 23	1 2	23 21	0 8	21 14	0 42	2 15	15 40	4 41	4 42	17 25	17 1	5 58			
T 10	22 15	17 51	4 21	20 39	2 42	23 17	0 1	28 9	4 44	22 55	0 25	22 23	1 2	23 21	0 8	21 13	0 42	2 15	15 39	4 39	4 41	17 26	17 0	5 58			
W11	22 8	18 31	4 51	20 53	2 30	23 16	0n 2	28 10	4 46	22 55	0 25	22 23	1 2	23 21	0 8	21 13	0 42	2 16	15 39	4 35	4 40	17 26	16 59	5 58			
T 12	22 0	17 54	5 1	21 7	2 17	23 14	0 4	28 12	4 47	22 56	0 24	22 23	1 1	23 21	0 8	21 13	0 42	2 16	15 38	4 31	4 38	17 27	16 59	5 58			
F 13	21 51	16 5	4 50	21 20	2 4	23 12	0 6	28 13	4 49	22 56	0 24	22 23	1 1	23 21	0 8	21 13	0 42	2 16	15 38	4 27	4 37	17 27	16 58	5 59			
S 14	21 42	13 15	4 21	21 33	1 51	23 9	0 9	28 14	4 50	22 57	0 24	22 23	1 1	23 21	0 8	21 12	0 42	2 17	15 37	4 23	4 36	17 28	16 58	5 59			
S 15	21 33	9 42	3 36	21 45	1 38	23 5	0 11	28 15	4 51	22 57	0 24	22 23	1 1	23 20	0 8	21 12	0 42	2 17	15 37	4 20	4 35	17 28	16 57	5 59			
M16	21 24	5 43	2 40	21 56	1 25	23 1	0 14	28 16	4 52	22 57	0 24	22 23	1 1	23 20	0 8	21 12	0 42	2 17	15 36	4 17	4 33	17 29	16 56	5 59			
T 17	21 14	1 36	1 37	22 6	1 12	22 56	0 16	28 16	4 52	22 58	0 24	22 23	1 1	23 20	0 8	21 11	0 42	2 18	15 36	4 16	4 32	17 29	16 56	5 59			
W18	21 4	2s29	0 30	22 15	0 59	22 50	0 18	28 17	4 53	22 58	0 24	22 23	1 1	23 20	0 8	21 11	0 42	2 18	15 35	4 16	4 31	17 30	16 55	5 59			
T 19	20 53	6 20	0n36	22 22	0 45	22 44	0 21	28 17	4 53	22 59	0 24	22 23	1 1	23 20	0 8	21 11	0 42	2 19	15 35	4 16	4 30	17 31	16 54	5 59			
F 20	20 42	9 49	1 39	22 28	0 32	22 37	0 23	28 17	4 54	22 59	0 24	22 23	1 1	23 20	0 8	21 10	0 42	2 19	15 34	4 16	4 29	17 31	16 54	6 0			
S 21	20 31	12 51	2 37	22 31	0 20	22 29	0 25	28 18	4 54	22 59	0 24	22 23	1 1	23 20	0 8	21 10	0 42	2 20	15 34	4 15	4 27	17 32	16 53	6 0			
S 22	20 19	15 19	3 27	22 33	0 7	22 21	0 28	28 18	4 54	22 59	0 24	22 22	1 1	23 20	0 8	21 10	0 42	2 20	15 33	4 14	4 26	17 32	16 52	6 0			
M23	20 8	17 7	4 8	22 33	0n 5	22 12	0 30	28 18	4 54	23 0	0 24	22 22	1 1	23 20	0 8	21 9	0 42	2 20	15 32	4 12	4 25	17 33	16 52	6 0			
T 24	19 55	18 11	4 38	22 30	0 16	22 2	0 32	28 18	4 54	23 0	0 24	22 22	1 1	23 20	0 8	21 9	0 42	2 21	15 32	4 9	4 24	17 33	16 51	6 0			
W25	19 43	18 27	4 57	22 25	0 27	21 52	0 34	28 17	4 54	23 0	0 24	22 22	1 1	23 19	0 8	21 9	0 42	2 21	15 31	4 6	4 22	17 34	16 50	6 1			
T 26	19 30	17 54	5 2	22 17	0 38	21 41	0 37	28 17	4 54	23 0	0 24	22 22	1 1	23 19	0 8	21 8	0 42	2 22	15 31	4 1	4 21	17 34	16 50	6 1			
F 27	19 16	16 31	4 54	22 6	0 47	21 29	0 39	28 17	4 54	23 1	0 24	22 22	1 1	23 19	0 8	21 8	0 42	2 23	15 30	3 57	4 20	17 35	16 49	6 1			
S 28	19 3	14 20	4 32	21 53	0 57	21 17	0 41	28 16	4 53	23 1	0 23	22 22	1 1	23 19	0 8	21 8	0 42	2 23	15 30	3 52	4 19	17 35	16 48	6 1			
S 29	18 49	11 27	3 56	21 37	1 5	21 4	0 43	28 16	4 53	23 1	0 23	22 22	1 1	23 19	0 8	21 7	0 42	2 24	15 29	3 48	4 17	17 36	16 47	6 1			
M30	18 35	7 59	3 7	21 19	1 13	20 51	0 45	28 15	4 53	23 1	0 23	22 22	1 1	23 19	0 8	21 7	0 42	2 24	15 29	3 45	4 16	17 36	16 47	6 2			
T 31	18n20	4s 6	2n 8	20n58	1n19	20n37	0n47	28s15	4s52	23n 1	0s23	22n22	1s 1	23s19	0s 8	21n 7	0s42	2s25	15n28	3s43	4s15	17s37	16n46	6s 2			

ASTRODIENST EPHEMERIS for the year 2238
geocentric

AUGUST 2238

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 37 8	8♌34°33	27♋46	4♌9	2♌28	27°D18	29♊56	3♌1	22°R19	20♌51	18♌31	9°R22	10♌42	10♌51	13♌6	W 1
T 2	20 41 4	9°31'53	11♏10	6°16	3°42	27♋19	0♌8	3°8	22♋17	20°53	18°31	9°D21	10°38	10°57	13°12	T 2
F 3	20 45 1	10°29'15	24°48	8°23	4°56	27°20	0°21	3°15	22°16	20°55	18°31	9♌22	10°35	11°4	13°18	F 3
S 4	20 48 57	11°26'37	8♌38	10°29	6°10	27°23	0°33	3°21	22°15	20°57	18°31	9°R22	10°32	11°11	13°23	S 4
S 5	20 52 54	12°24'01	22°43	12°34	7°24	27°26	0°45	3°28	22°13	20°59	18°31	9°22	10°29	11°17	13°29	S 5
M 6	20 56 51	13°21'26	7♊1	14°39	8°38	27°30	0°57	3°35	22°12	21°1	18°32	9°20	10°26	11°24	13°34	M 6
T 7	21 0 47	14°18'52	21°30	16°42	9°52	27°35	1°8	3°41	22°11	21°3	18°32	9°15	10°23	11°31	13°39	T 7
W 8	21 4 44	15°16'19	6♌5	18°45	11°6	27°41	1°20	3°48	22°10	21°5	18°32	9°9	10°19	11°38	13°45	W 8
T 9	21 8 40	16°13'47	20°41	20°46	12°20	27°47	1°32	3°54	22°9	21°8	18°32	9°1	10°16	11°44	13°50	T 9
F 10	21 12 37	17°11'17	5♌11	22°46	13°34	27°55	1°44	4°1	22°8	21°10	18°33	8°53	10°13	11°51	13°55	F 10
S 11	21 16 33	18°8'47	19°28	24°45	14°48	28°3	1°55	4°7	22°6	21°12	18°33	8°45	10°10	11°58	14°1	S 11
S 12	21 20 30	19°6'18	3♏27	26°42	16°2	28°12	2°7	4°13	22°6	21°14	18°34	8°39	10°7	12°4	14°6	S 12
M13	21 24 26	20°3'50	17°3	28°38	17°16	28°21	2°18	4°20	22°5	21°16	18°34	8°35	10°3	12°11	14°11	M13
T 14	21 28 23	21°1'23	0♌16	0♏32	18°30	28°32	2°29	4°26	22°4	21°18	18°35	8°33	10°0	12°18	14°16	T 14
W15	21 32 20	21°58'57	13°5	2°25	19°44	28°43	2°41	4°32	22°3	21°20	18°35	8°D33	9°57	12°24	14°21	W15
T 16	21 36 16	22°56'32	25°35	4°16	20°58	28°55	2°52	4°38	22°2	21°22	18°36	8°34	9°54	12°31	14°27	T 16
F 17	21 40 13	23°54'08	7♌48	6°6	22°12	29°7	3°3	4°44	22°1	21°24	18°36	8°35	9°51	12°38	14°32	F 17
S 18	21 44 9	24°51'45	19°49	7°54	23°26	29°21	3°14	4°50	22°1	21°25	18°37	8°R36	9°48	12°45	14°37	S 18
S 19	21 48 6	25°49'23	1♌42	9°41	24°40	29°35	3°25	4°56	22°0	21°27	18°38	8°36	9°44	12°51	14°42	S 19
M20	21 52 2	26°47'01	13°34	11°26	25°55	29°49	3°35	5°2	21°59	21°29	18°38	8°35	9°41	12°58	14°47	M20
T 21	21 55 59	27°44'41	25°29	13°10	27°9	0♌5	3°46	5°8	21°59	21°31	18°39	8°31	9°38	13°5	14°51	T 21
W22	21 59 55	28°42'22	7♌30	14°52	28°23	0°21	3°57	5°13	21°58	21°33	18°40	8°26	9°35	13°11	14°56	W22
T 23	22 3 52	29°40'04	19°42	16°33	29°37	0°38	4°7	5°19	21°58	21°35	18°41	8°20	9°32	13°18	15°1	T 23
F 24	22 7 49	0♏37'47	2♌7	18°13	0♏51	0°55	4°18	5°25	21°57	21°37	18°42	8°14	9°28	13°25	15°6	F 24
S 25	22 11 45	1°35'31	14°47	19°51	2°6	1°13	4°28	5°30	21°57	21°39	18°42	8°7	9°25	13°32	15°10	S 25
S 26	22 15 42	2°33'16	27°41	21°27	3°20	1°32	4°38	5°36	21°57	21°40	18°43	8°2	9°22	13°38	15°15	S 26
M27	22 19 38	3°31'03	10♋51	23°3	4°34	1°51	4°48	5°41	21°56	21°42	18°44	7°58	9°19	13°45	15°20	M27
T 28	22 23 35	4°28'51	24°14	24°37	5°49	2°11	4°58	5°46	21°56	21°44	18°45	7°55	9°16	13°52	15°24	T 28
W29	22 27 31	5°26'41	7♏49	26°9	7°3	2°31	5°8	5°51	21°56	21°46	18°46	7°D55	9°13	13°58	15°29	W29
T 30	22 31 28	6°24'32	21°35	27°40	8°17	2°52	5°18	5°57	21°56	21°47	18°47	7°55	9°9	14°5	15°33	T 30
F 31	22 35 24	7♏22'25	5♌30	29♏10	9♏31	3♌13	5♌27	6♌2	21♌56	21♌49	18♌48	7♌57	9♌6	14♌12	15♌38	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	decl lat
W 1	18n 6	0n 3	1n 2	20n35	1n26	20n22	0n49	28s14	4s51	23n 1	0s23	22n21	1s 1	23s19	0s 8	21n 6
T 2	17 50	4 16	0s10	20 9	1 31	20 7	0 51	28 13	4 50	23 1	0 23	22 21	1 1	23 19	0 8	21 6
F 3	17 35	8 19	1 22	19 41	1 35	19 51	0 53	28 12	4 50	23 1	0 23	22 21	1 1	23 19	0 8	21 6
S 4	17 19	11 59	2 30	19 11	1 39	19 35	0 55	28 11	4 49	23 1	0 23	22 21	1 1	23 19	0 8	21 5
S 5	17 3	15 2	3 31	18 38	1 42	19 18	0 56	28 11	4 48	23 1	0 23	22 21	1 1	23 19	0 8	21 5
M 6	16 47	17 12	4 19	18 4	1 44	19 1	0 58	28 10	4 47	23 1	0 23	22 21	1 1	23 18	0 8	21 5
T 7	16 31	18 17	4 52	17 29	1 45	18 43	1 0	28 9	4 46	23 1	0 23	22 21	1 1	23 18	0 8	21 4
W 8	16 14	18 11	5 6	16 52	1 46	18 24	1 1	28 8	4 45	23 1	0 23	22 20	1 1	23 18	0 8	21 4
T 9	15 57	16 53	5 0	16 13	1 46	18 5	1 3	28 7	4 43	23 1	0 23	22 20	1 1	23 18	0 8	21 4
F 10	15 40	14 30	4 35	15 34	1 45	17 46	1 5	28 5	4 42	23 1	0 23	22 20	1 1	23 18	0 8	21 4
S 11	15 22	11 16	3 53	14 53	1 44	17 26	1 6	28 4	4 41	23 1	0 23	22 20	1 1	23 18	0 8	21 3
S 12	15 4	7 28	2 58	14 12	1 42	17 5	1 8	28 3	4 40	23 1	0 23	22 20	1 1	23 18	0 8	21 3
M13	14 46	3 22	1 53	13 29	1 39	16 44	1 9	28 2	4 38	23 1	0 23	22 19	1 1	23 18	0 8	21 3
T 14	14 28	0s47	0 45	12 46	1 36	16 23	1 10	28 1	4 37	23 0	0 23	22 19	1 1	23 18	0 8	21 2
W15	14 10	4 47	0n25	12 3	1 33	16 1	1 12	27 59	4 35	23 0	0 22	22 19	1 1	23 18	0 8	21 2
T 16	13 51	8 28	1 31	11 19	1 29	15 38	1 13	27 58	4 34	23 0	0 22	22 19	1 1	23 18	0 8	21 2
F 17	13 32	11 42	2 32	10 34	1 25	15 15	1 14	27 57	4 32	23 0	0 22	22 19	1 1	23 18	0 8	21 1
S 18	13 13	14 23	3 25	9 50	1 20	14 52	1 15	27 55	4 31	23 0	0 22	22 18	1 1	23 18	0 8	21 1
S 19	12 54	16 25	4 8	9 5	1 15	14 29	1 16	27 54	4 29	22 59	0 22	22 18	1 1	23 18	0 8	21 1
M20	12 34	17 45	4 41	8 20	1 9	14 5	1 17	27 52	4 28	22 59	0 22	22 18	1 1	23 18	0 8	21 0
T 21	12 14	18 18	5 2	7 34	1 3	13 40	1 18	27 50	4 26	22 59	0 22	22 18	1 1	23 18	0 8	21 0
W22	11 54	18 2	5 10	6 49	0 57	13 15	1 19	27 49	4 24	22 59	0 22	22 18	1 1	23 18	0 8	21 0
T 23	11 34	16 57	5 4	6 4	0 50	12 50	1 20	27 47	4 23	22 58	0 22	22 17	1 1	23 18	0 8	21 0
F 24	11 14	15 3	4 44	5 19	0 43	12 25	1 21	27 45	4 21	22 58	0 22	22 17	1 1	23 18	0 8	20 59
S 25	10 54	12 24	4 9	4 34	0 36	11 59	1 21	27 43	4 19	22 58	0 22	22 17	1 1	23 18	0 8	20 59
S 26	10 33	9 6	3 22	3 50	0 29	11 33	1 22	27 42	4 18	22 58	0 22	22 17	1 1	23 18	0 8	20 59
M27	10 12	5 18	2 22	3 5	0 22	11 6	1 23	27 40	4 16	22 57	0 22	22 16	1 1	23 18	0 8	20 58
T 28	9 51	1 9	1 14	2 21	0 14	10 39	1 23	27 37	4 14	22 57	0 22	22 16	1 1	23 18	0 8	20 58
W29	9 30	3n 6	0 1	1 37	0 6	10 12	1 24	27 35	4 12	22 57	0 22	22 16	1 1	23 18	0 8	20 58
T 30	9 9	7 15	1s14	0 54	0s 2	9 45	1 24	27 33	4 11	22 56	0 22	22 16	1 1	23 18	0 8	20 58
F 31	8n47	11n 3	2s25	0n11	0s10	9n17	1n24	27s31	4s 9	22n56	0s22	22n16	1s 1	23s18	0s 8	20n57

Julian Day Number = 2538684.5, Delta T = 205.74 sec
Ecliptic obliquity = 23°24'21, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°04'29, Lahiri = 27°11'29

ASTRODIENST EPHEMERIS for the year 2238

geocentric

SEPTEMBER 2238

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 39 21	8 ^m 20'20	19 ^h 32	0 ^h 38	10 ^m 46	3 ^h 35	5 ^h 37	6 ^h 7	21°D56	21 ^h 51	18 ^m 49	7 ^h 58	9 ^h 3	14 ^h 18	15 ^h 42	S 1
S 2	22 43 18	9°18'17	3 ^h 41	2° 5	12° 0	3°58	5°46	6°12	21 ^h 56	21°52	18°51	7°R59	9° 0	14°25	15°46	S 2
M 3	22 47 14	10°16'15	17°53	3°30	13°15	4°21	5°56	6°16	21°56	21°54	18°52	7°59	8°57	14°32	15°51	M 3
T 4	22 51 11	11°14'16	2 ^h 7	4°54	14°29	4°44	6° 5	6°21	21°56	21°56	18°53	7°58	8°54	14°39	15°55	T 4
W 5	22 55 7	12°12'18	16°21	6°16	15°43	5° 9	6°14	6°26	21°56	21°57	18°54	7°55	8°50	14°45	15°59	W 5
T 6	22 59 4	13°10'22	0 ^h 31	7°37	16°58	5°33	6°23	6°30	21°57	21°59	18°55	7°52	8°47	14°52	16° 3	T 6
F 7	23 3 0	14° 8'29	14°33	8°57	18°12	5°58	6°32	6°35	21°57	22° 0	18°57	7°49	8°44	14°59	16° 7	F 7
S 8	23 6 57	15° 6'36	28°24	10°15	19°27	6°24	6°41	6°39	21°57	22° 2	18°58	7°45	8°41	15° 5	16°11	S 8
S 9	23 10 53	16° 4'46	12 ^m 0	11°31	20°41	6°50	6°49	6°44	21°58	22° 3	18°59	7°43	8°38	15°12	16°15	S 9
M10	23 14 50	17° 2'57	25°19	12°45	21°56	7°16	6°58	6°48	21°58	22° 5	19° 1	7°41	8°34	15°19	16°19	M10
T 11	23 18 46	18° 1'10	8 ^h 20	13°58	23°10	7°43	7° 6	6°52	21°59	22° 6	19° 2	7°D41	8°31	15°26	16°22	T 11
W12	23 22 43	18°59'25	21° 3	15° 9	24°24	8°10	7°14	6°56	21°59	22° 7	19° 3	7°41	8°28	15°32	16°26	W12
T 13	23 26 40	19°57'41	3 ^m 29	16°18	25°39	8°38	7°22	7° 0	22° 0	22° 9	19° 5	7°42	8°25	15°39	16°30	T 13
F 14	23 30 36	20°55'59	15°41	17°24	26°53	9° 6	7°30	7° 4	22° 1	22°10	19° 6	7°44	8°22	15°46	16°33	F 14
S 15	23 34 33	21°54'18	27°42	18°29	28° 8	9°35	7°38	7° 8	22° 1	22°12	19° 8	7°45	8°19	15°52	16°37	S 15
S 16	23 38 29	22°52'39	9 ^h 36	19°31	29°23	10° 3	7°46	7°12	22° 2	22°13	19° 9	7°46	8°15	15°59	16°40	S 16
M17	23 42 26	23°51'02	21°29	20°31	0 ^h 37	10°33	7°53	7°15	22° 3	22°14	19°11	7°R47	8°12	16° 6	16°44	M17
T 18	23 46 22	24°49'26	3 ^h 23	21°29	1°52	11° 3	8° 1	7°19	22° 4	22°15	19°13	7°47	8° 9	16°13	16°47	T 18
W19	23 50 19	25°47'51	15°26	22°23	3° 6	11°33	8° 8	7°22	22° 5	22°17	19°14	7°46	8° 6	16°19	16°50	W19
T 20	23 54 15	26°46'19	27°39	23°15	4°21	12° 3	8°15	7°25	22° 6	22°18	19°16	7°45	8° 3	16°26	16°53	T 20
F 21	23 58 12	27°44'48	10 ^h 8	24° 3	5°35	12°34	8°22	7°29	22° 7	22°19	19°18	7°43	7°59	16°33	16°57	F 21
S 22	0 2 9	28°43'18	22°55	24°48	6°50	13° 5	8°29	7°32	22° 8	22°20	19°19	7°42	7°56	16°39	17° 0	S 22
S 23	0 6 5	29°41'50	6 ^h 8	25°30	8° 4	13°36	8°35	7°35	22° 9	22°21	19°21	7°41	7°53	16°46	17° 2	S 23
M24	0 10 2	0 ^h 40'24	19°28	26° 7	9°19	14° 8	8°42	7°38	22°10	22°22	19°23	7°40	7°50	16°53	17° 5	M24
T 25	0 13 58	1°39'00	3 ^h 13	26°40	10°33	14°40	8°48	7°41	22°11	22°23	19°24	7°D40	7°47	17° 0	17° 8	T 25
W26	0 17 55	2°37'38	17°15	27° 8	11°48	15°13	8°54	7°43	22°13	22°24	19°26	7°40	7°44	17° 6	17°11	W26
T 27	0 21 51	3°36'18	1 ^h 28	27°31	13° 3	15°45	9° 0	7°46	22°14	22°25	19°28	7°40	7°40	17°13	17°14	T 27
F 28	0 25 48	4°35'00	15°50	27°49	14°17	16°18	9° 6	7°49	22°15	22°26	19°30	7°41	7°37	17°20	17°16	F 28
S 29	0 29 44	5°33'44	0 ^h 14	28° 2	15°32	16°52	9°12	7°51	22°17	22°27	19°32	7°41	7°34	17°26	17°19	S 29
S 30	0 33 41	6 ^h 32'30	14 ^h 38	28°R 8	16 ^h 46	17 ^h 25	9 ^h 17	7 ^h 53	22 ^h 18	22 ^h 28	19 ^h 34	7 ^h 41	7 ^h 31	17 ^h 33	17 ^h 21	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n26	14n15	3s28	0s32	0s18	8n50	1n25	27s28	4s 7	22n56	0s22	22n15	1s 1	23s18	0s 8	20n57	0s42	2s47	15n10	3s 9	3s35	17s50	16n18	6s13			
S 2	8 4	16 37	4 19	1 14	0 27	8 21	1 25	27 26	4 5	22 55	0 22	22 15	1 1	23 18	0 8	20 57	0 42	2 48	15 9	3 10	3 34	17 51	16 17	6 14			
M 3	7 42	17 58	4 55	1 56	0 35	7 53	1 25	27 23	4 3	22 55	0 22	22 15	1 1	23 18	0 8	20 57	0 42	2 48	15 9	3 10	3 32	17 51	16 16	6 14			
T 4	7 20	18 11	5 12	2 37	0 44	7 24	1 25	27 21	4 2	22 55	0 21	22 15	1 1	23 18	0 8	20 56	0 42	2 49	15 8	3 9	3 31	17 52	16 15	6 15			
W 5	6 58	17 16	5 10	3 18	0 53	6 56	1 25	27 18	4 0	22 54	0 21	22 14	1 1	23 18	0 8	20 56	0 42	2 50	15 8	3 8	3 30	17 52	16 14	6 15			
T 6	6 36	15 18	4 50	3 58	1 1	6 27	1 25	27 15	3 58	22 54	0 21	22 14	1 1	23 18	0 8	20 56	0 42	2 51	15 7	3 7	3 29	17 52	16 13	6 16			
F 7	6 14	12 26	4 12	4 37	1 10	5 58	1 25	27 12	3 56	22 53	0 21	22 14	1 1	23 18	0 8	20 55	0 42	2 52	15 7	3 6	3 27	17 53	16 12	6 16			
S 8	5 52	8 53	3 20	5 15	1 19	5 28	1 25	27 9	3 54	22 53	0 21	22 14	1 1	23 18	0 8	20 55	0 42	2 52	15 6	3 4	3 26	17 53	16 11	6 17			
S 9	5 29	4 57	2 17	5 53	1 27	4 59	1 24	27 6	3 52	22 53	0 21	22 13	1 1	23 18	0 8	20 55	0 42	2 53	15 6	3 3	3 25	17 53	16 10	6 17			
M10	5 6	0 49	1 8	6 30	1 36	4 29	1 24	27 3	3 50	22 52	0 21	22 13	1 1	23 18	0 8	20 55	0 42	2 54	15 5	3 3	3 24	17 54	16 9	6 18			
T 11	4 44	3s15	0n 4	7 7	1 45	3 59	1 24	26 59	3 49	22 52	0 21	22 13	1 1	23 18	0 8	20 55	0 42	2 55	15 5	3 3	3 22	17 54	16 9	6 18			
W12	4 21	7 4	1 13	7 42	1 53	3 30	1 23	26 56	3 47	22 51	0 21	22 13	1 1	23 18	0 8	20 54	0 42	2 56	15 4	3 3	3 21	17 54	16 8	6 19			
T 13	3 58	10 30	2 18	8 17	2 2	3 0	1 23	26 52	3 45	22 51	0 21	22 13	1 1	23 18	0 8	20 54	0 42	2 57	15 4	3 3	3 20	17 55	16 7	6 19			
F 14	3 35	13 24	3 15	8 50	2 11	2 29	1 22	26 48	3 43	22 51	0 21	22 12	1 1	23 18	0 8	20 54	0 42	2 57	15 3	3 4	3 19	17 55	16 6	6 20			
S 15	3 12	15 41	4 2	9 23	2 19	1 59	1 22	26 44	3 41	22 50	0 21	22 12	1 1	23 18	0 8	20 54	0 42	2 58	15 3	3 4	3 17	17 56	16 5	6 20			
S 16	2 49	17 16	4 39	9 54	2 27	1 29	1 21	26 40	3 39	22 50	0 21	22 12	1 1	23 18	0 8	20 53	0 42	2 59	15 2	3 5	3 16	17 56	16 4	6 21			
M17	2 26	18 5	5 4	10 24	2 35	0 59	1 20	26 36	3 37	22 49	0 21	22 12	1 1	23 18	0 8	20 53	0 42	3 0	15 2	3 5	3 15	17 56	16 3	6 22			
T 18	2 3	18 6	5 15	10 53	2 43	0 28	1 19	26 31	3 35	22 49	0 21	22 11	1 1	23 18	0 8	20 53	0 42	3 1	15 1	3 5	3 14	17 57	16 2	6 22			
W19	1 40	17 19	5 14	11 20	2 51	0s 2	1 18	26 27	3 33	22 49	0 21	22 11	1 1	23 18	0 8	20 53	0 42	3 2	15 1	3 5	3 12	17 57	16 1	6 23			
T 20	1 17	15 44	4 58	11 47	2 58	0 32	1 17	26 22	3 31	22 48	0 21	22 11	1 1	23 18	0 8	20 53	0 42	3 2	15 1	3 4	3 11	17 57	16 0	6 23			
F 21	0 54	13 23	4 27	12 11	3 5	1 3	1 16	26 17	3 30	22 48	0 21	22 11	1 1	23 18	0 8	20 52	0 42	3 3	15 0	3 4	3 10	17 58	15 59	6 24			
S 22	0 30	10 20	3 43	12 34	3 12	1 33	1 15	26 12	3 28	22 48	0 21	22 11	1 1	23 18	0 8	20 52	0 42	3 4	15 0	3 3	3 9	17 58	15 58	6 24			
S 23	0 7	6 42	2 47	12 55	3 18	2 4	1 14	26 7	3 26	22 47	0 21	22 10	1 1	23 18	0 8	20 52	0 42	3 5	14 59	3 3	3 7	17 58	15 57	6 25			
M24	0s16	2 38	1 39	13 14	3 24	2 34	1 13	26 2	3 24	22 47	0 21	22 10	1 1	23 19	0 8	20 52	0 42	3 6	14 59	3 2	3 6	17 59	15 56	6 25			
T 25	0 39	1n39	0 25	13 31	3 30	3 4	1 12	25 57	3 22	22 46	0 20	22 10	1 1	23 19	0 8	20 52	0 42	3 7	14 58	3 2	3 5	17 59	15 55	6 26			
W26	1 3	5 57	0s53	13 46	3 34	3 35	1 10	25 51	3 20	22 46	0 20	22 10	1 1	23 19	0 8	20 51	0 42	3 8	14 58	3 2	3 4	17 59	15 55	6 27			
T 27	1 26	9 58	2 8	13 58	3 38	4 5	1 9	25 45	3 18	22 46	0 20	22 10	1 1	23 19	0 8	20 51	0 42	3 8	14 58	3 2	3 2	17 59	15 54	6 27			
F 28	1 49	13 25	3 16	14 8	3 42	4 35	1 8	25 40	3 16	22 45	0 20	22 10	1 1	23 19	0 8	20 51	0 42	3 9	14 57	3 3	3 1	18 0	15 53	6 28			
S 29	2 12	16 4	4 12	14 15	3 44	5 5	1 6	25 33	3 14	22 45	0 20	22 9	1 1	23 19	0 8	20 51	0 42	3 10	14 57	3 3	3 0	18 0	15 52	6 28			
S 30	2s36	17n41	4s52	14s19	3s46	5s35	1n 5	25s27	3s12	22n45	0s20	22n 9	1s 1	23s19	0s 8	20n51	0s42	3s11	14n56	3s 3	2s59	18s 0	15n51	6s29			

ASTRODIENST EPHEMERIS for the year 2238
geocentric

OCTOBER 2238

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 37 38	7♏31'19	28♏56	28°R 7	18♏1	17♏59	9♏23	7♏56	22♏20	22♏29	19♏36	7♏41	7♏28	17♏40	17♏24	M 1
T 2	0 41 34	8°30'10	13♏7	28♏0	19°15	18°33	9°28	7°58	22°21	22°30	19°38	7°41	7°25	17°47	17°26	T 2
W 3	0 45 31	9°29'04	27°7	27°45	20°30	19°7	9°33	8°0	22°23	22°30	19°40	7°41	7°21	17°53	17°28	W 3
T 4	0 49 27	10°27'59	10♏56	27°23	21°45	19°42	9°38	8°2	22°24	22°31	19°41	7°41	7°18	18°0	17°30	T 4
F 5	0 53 24	11°26'57	24°33	26°54	22°59	20°17	9°43	8°4	22°26	22°32	19°43	7°42	7°15	18°7	17°32	F 5
S 6	0 57 20	12°25'57	7♏57	26°16	24°14	20°52	9°47	8°5	22°28	22°33	19°45	7°42	7°12	18°13	17°34	S 6
S 7	1 1 17	13°24'59	21°7	25°32	25°29	21°28	9°51	8°7	22°30	22°33	19°48	7°43	7°9	18°20	17°36	S 7
M 8	1 5 13	14°24'03	4♏4	24°40	26°43	22°3	9°56	8°8	22°32	22°34	19°50	7°R43	7°5	18°27	17°38	M 8
T 9	1 9 10	15°23'10	16°47	23°42	27°58	22°39	10°0	8°10	22°33	22°34	19°52	7°43	7°2	18°34	17°40	T 9
W10	1 13 6	16°22'18	29°18	22°39	29°13	23°15	10°3	8°11	22°35	22°35	19°54	7°42	6°59	18°40	17°41	W10
T 11	1 17 3	17°21'29	11♏36	21°31	0♏27	23°51	10°7	8°12	22°37	22°36	19°56	7°41	6°56	18°47	17°43	T 11
F 12	1 21 0	18°20'41	23°43	20°21	1°42	24°28	10°10	8°13	22°39	22°36	19°58	7°40	6°53	18°54	17°44	F 12
S 13	1 24 56	19°19'55	5♏42	19°11	2°56	25°5	10°14	8°14	22°41	22°37	20°0	7°38	6°50	19°0	17°46	S 13
S 14	1 28 53	20°19'11	17°36	18°1	4°11	25°42	10°17	8°15	22°44	22°37	20°2	7°36	6°46	19°7	17°47	S 14
M15	1 32 49	21°18'29	29°27	16°54	5°26	26°19	10°20	8°16	22°46	22°37	20°4	7°35	6°43	19°14	17°48	M15
T 16	1 36 46	22°17'49	11♏20	15°53	6°40	26°56	10°22	8°16	22°48	22°38	20°7	7°34	6°40	19°21	17°49	T 16
W17	1 40 42	23°17'10	23°20	14°58	7°55	27°34	10°25	8°17	22°50	22°38	20°9	7°D34	6°37	19°27	17°50	W17
T 18	1 44 39	24°16'34	5♏31	14°12	9°10	28°12	10°27	8°17	22°52	22°38	20°11	7°34	6°34	19°34	17°51	T 18
F 19	1 48 35	25°15'59	17°58	13°35	10°24	28°50	10°29	8°18	22°55	22°39	20°13	7°35	6°31	19°41	17°52	F 19
S 20	1 52 32	26°15'25	0♏44	13°9	11°39	29°28	10°31	8°18	22°57	22°39	20°16	7°36	6°27	19°47	17°53	S 20
S 21	1 56 29	27°14'54	13°54	12°53	12°54	0♏6	10°33	8°R18	22°59	22°39	20°18	7°38	6°24	19°54	17°54	S 21
M22	2 0 25	28°14'24	27°28	12°D49	14°8	0°44	10°34	8°18	23°2	22°39	20°20	7°39	6°21	20°1	17°54	M22
T 23	2 4 22	29°13'56	11°V27	12°56	15°23	1°23	10°36	8°18	23°4	22°39	20°22	7°R39	6°18	20°8	17°55	T 23
W24	2 8 18	0♏13'30	25°49	13°13	16°37	2°2	10°37	8°17	23°7	22°39	20°25	7°38	6°15	20°14	17°55	W24
T 25	2 12 15	1°13'06	10♏28	13°41	17°52	2°41	10°38	8°17	23°9	22°39	20°27	7°36	6°11	20°21	17°55	T 25
F 26	2 16 11	2°12'45	25°17	14°18	19°7	3°20	10°39	8°16	23°12	22°R40	20°29	7°33	6°8	20°28	17°56	F 26
S 27	2 20 8	3°12'25	10♏10	15°3	20°21	3°59	10°39	8°16	23°15	22°40	20°32	7°30	6°5	20°34	17°56	S 27
S 28	2 24 4	4°12'07	24°57	15°57	21°36	4°38	10°40	8°15	23°17	22°39	20°34	7°26	6°2	20°41	17°56	S 28
M29	2 28 1	5°11'52	9♏32	16°57	22°51	5°18	10°R40	8°14	23°20	22°39	20°36	7°23	5°59	20°48	17°R56	M29
T 30	2 31 58	6°11'39	23°51	18°4	24°5	5°58	10°40	8°13	23°23	22°39	20°39	7°21	5°56	20°55	17°56	T 30
W31	2 35 54	7♏11'28	7♏50	19♏16	25♏20	6♏37	10♏39	8♏12	23♏26	22♏39	20♏41	7°D21	5♏52	21♏1	17♏56	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	2s59	18n11	5s14	14s19	3s47	6s5	1n3	25s21	3s11	22n44	0s20	22n9	1s1	23s19	0s8	20n51
T 2	3 22	17 31	5 16	14 16	3 46	6 35	1 1	25 14	3 9	22 44	0 20	22 9	1 1	23 19	0 8	20 50
W 3	3 45	15 49	4 59	14 9	3 44	7 4	1 0	25 7	3 7	22 44	0 20	22 9	1 1	23 19	0 8	20 50
T 4	4 8	13 12	4 26	13 58	3 41	7 34	0 58	25 1	3 5	22 43	0 20	22 9	1 1	23 19	0 8	20 50
F 5	4 31	9 54	3 37	13 42	3 36	8 3	0 56	24 53	3 3	22 43	0 20	22 8	1 1	23 19	0 8	20 50
S 6	4 54	6 8	2 38	13 22	3 29	8 32	0 54	24 46	3 1	22 43	0 20	22 8	1 1	23 20	0 8	20 50
S 7	5 17	2 7	1 31	12 58	3 21	9 1	0 53	24 39	2 59	22 43	0 20	22 8	1 1	23 20	0 8	20 50
M 8	5 40	1s55	0 20	12 30	3 10	9 30	0 51	24 31	2 57	22 42	0 20	22 8	1 1	23 20	0 8	20 50
T 9	6 3	5 49	0n50	11 57	2 58	9 59	0 49	24 23	2 55	22 42	0 20	22 8	1 1	23 20	0 8	20 50
W10	6 26	9 23	1 57	11 20	2 44	10 27	0 47	24 15	2 54	22 42	0 20	22 8	1 1	23 20	0 8	20 50
T 11	6 48	12 29	2 57	10 40	2 28	10 55	0 45	24 7	2 52	22 42	0 20	22 8	1 1	23 20	0 8	20 49
F 12	7 11	15 0	3 48	9 58	2 11	11 23	0 43	23 59	2 50	22 41	0 20	22 8	1 1	23 20	0 8	20 49
S 13	7 33	16 49	4 29	9 14	1 52	11 51	0 40	23 50	2 48	22 41	0 20	22 8	1 1	23 20	0 8	20 49
S 14	7 56	17 54	4 57	8 29	1 33	12 18	0 38	23 42	2 46	22 41	0 19	22 8	1 2	23 20	0 8	20 49
M15	8 18	18 11	5 13	7 45	1 12	12 45	0 36	23 33	2 44	22 41	0 19	22 7	1 2	23 21	0 8	20 49
T 16	8 40	17 41	5 15	7 2	0 52	13 12	0 34	23 24	2 42	22 41	0 19	22 7	1 2	23 21	0 8	20 49
W17	9 2	16 24	5 4	6 22	0 31	13 38	0 32	23 14	2 40	22 41	0 19	22 7	1 2	23 21	0 8	20 49
T 18	9 24	14 21	4 39	5 46	0 11	14 4	0 29	23 5	2 39	22 41	0 19	22 7	1 2	23 21	0 8	20 49
F 19	9 46	11 36	4 1	5 14	0n8	14 30	0 27	22 55	2 37	22 40	0 19	22 7	1 2	23 21	0 8	20 49
S 20	10 7	8 14	3 10	4 47	0 26	14 55	0 25	22 46	2 35	22 40	0 19	22 7	1 2	23 21	0 8	20 49
S 21	10 29	4 22	2 7	4 26	0 43	15 20	0 22	22 36	2 33	22 40	0 19	22 7	1 2	23 21	0 8	20 49
M22	10 50	0 9	0 56	4 10	0 58	15 45	0 20	22 25	2 31	22 40	0 19	22 7	1 2	23 21	0 8	20 49
T 23	11 11	4n12	0s21	4 0	1 12	16 9	0 17	22 15	2 29	22 40	0 19	22 7	1 2	23 22	0 8	20 49
W24	11 32	8 26	1 38	3 55	1 24	16 33	0 15	22 5	2 28	22 40	0 19	22 7	1 2	23 22	0 8	20 49
T 25	11 53	12 14	2 51	3 56	1 35	16 56	0 12	21 54	2 26	22 40	0 19	22 7	1 2	23 22	0 8	20 49
F 26	12 14	15 18	3 53	4 2	1 43	17 19	0 10	21 43	2 24	22 40	0 19	22 7	1 2	23 22	0 8	20 49
S 27	12 34	17 21	4 39	4 13	1 51	17 42	0 7	21 32	2 22	22 40	0 19	22 7	1 2	23 22	0 8	20 49
S 28	12 54	18 13	5 6	4 28	1 57	18 4	0 5	21 21	2 20	22 40	0 19	22 7	1 2	23 22	0 8	20 49
M29	13 14	17 51	5 13	4 47	2 1	18 25	0 2	21 9	2 19	22 40	0 19	22 7	1 2	23 22	0 8	20 49
T 30	13 34	16 22	5 1	5 9	2 4	18 46	0s0	20 58	2 17	22 40	0 18	22 7	1 2	23 23	0 8	20 49
W31	13s54	13n56	4s30	5s35	2n6	19s7	0s3	20s46	2s15	22n40	0s18	22n7	1s2	23s23	0s8	20n49

Julian Day Number = 2538745.5, Delta T = 205.95 sec
Ecliptic obliquity = 23°24'21, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°04'37, Lahiri = 27°11'38

ASTRODIENST EPHEMERIS for the year 2238
geocentric

NOVEMBER 2238

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 51	8♐11'20	21♏29	20♏32	26♐34	7♏17	10°R39	8°R11	23♏28	22°R39	20♐43	7♏21	5♏49	21♏8	17°R55	T 1
F 2	2 43 47	9°11'13	4♐50	21°53	27°49	7°57	10♏38	8♏10	23°31	22♏39	20°46	7°23	5°46	21°15	17♏55	F 2
S 3	2 47 44	10°11'09	17°54	23°17	29°4	8°37	10°37	8°8	23°34	22°39	20°48	7°24	5°43	21°21	17°55	S 3
S 4	2 51 40	11°11'07	0♏43	24°43	0♏18	9°18	10°36	8°7	23°37	22°38	20°51	7°25	5°40	21°28	17°54	S 4
M 5	2 55 37	12°11'07	13°19	26°13	1°33	9°58	10°35	8°5	23°40	22°38	20°53	7°R25	5°36	21°35	17°54	M 5
T 6	2 59 33	13°11'09	25°44	27°44	2°48	10°39	10°34	8°4	23°43	22°38	20°55	7°24	5°33	21°42	17°53	T 6
W 7	3 3 30	14°11'13	8♐0	29°16	4°2	11°19	10°32	8°2	23°46	22°37	20°58	7°20	5°30	21°48	17°52	W 7
T 8	3 7 27	15°11'19	20°7	0♐50	5°17	12°0	10°30	8°0	23°49	22°37	21°0	7°15	5°27	21°55	17°51	T 8
F 9	3 11 23	16°11'27	2♏8	2°25	6°32	12°41	10°28	7°58	23°52	22°36	21°3	7°8	5°24	22°2	17°50	F 9
S 10	3 15 20	17°11'36	14°4	4°0	7°46	13°22	10°26	7°56	23°55	22°36	21°5	7°0	5°21	22°9	17°49	S 10
S 11	3 19 16	18°11'48	25°56	5°37	9°1	14°3	10°23	7°54	23°58	22°35	21°7	6°52	5°17	22°15	17°48	S 11
M12	3 23 13	19°12'00	7♏46	7°13	10°15	14°44	10°21	7°51	24°1	22°35	21°10	6°45	5°14	22°22	17°47	M12
T 13	3 27 9	20°12'15	19°39	8°50	11°30	15°25	10°18	7°49	24°4	22°34	21°12	6°39	5°11	22°29	17°45	T 13
W14	3 31 6	21°12'31	1♏36	10°27	12°45	16°7	10°15	7°46	24°8	22°34	21°15	6°35	5°8	22°35	17°44	W14
T 15	3 35 2	22°12'48	13°43	12°4	13°59	16°48	10°12	7°44	24°11	22°33	21°17	6°32	5°5	22°42	17°43	T 15
F 16	3 38 59	23°13'07	26°5	13°41	15°14	17°30	10°8	7°41	24°14	22°32	21°20	6°D32	5°2	22°49	17°41	F 16
S 17	3 42 56	24°13'27	8♏45	15°18	16°28	18°11	10°5	7°38	24°17	22°32	21°22	6°33	4°58	22°56	17°39	S 17
S 18	3 46 52	25°13'49	21°48	16°55	17°43	18°53	10°1	7°35	24°21	22°31	21°24	6°34	4°55	23°2	17°38	S 18
M19	3 50 49	26°14'12	5♏18	18°32	18°58	19°35	9°57	7°32	24°24	22°30	21°27	6°R35	4°52	23°9	17°36	M19
T 20	3 54 45	27°14'36	19°18	20°9	20°12	20°17	9°53	7°29	24°27	22°29	21°29	6°34	4°49	23°16	17°34	T 20
W21	3 58 42	28°15'02	3♏45	21°45	21°27	20°59	9°48	7°26	24°31	22°29	21°32	6°31	4°46	23°22	17°32	W21
T 22	4 2 38	29°15'29	18°36	23°21	22°41	21°41	9°44	7°23	24°34	22°28	21°34	6°26	4°42	23°29	17°30	T 22
F 23	4 6 35	0♏15'58	3♐45	24°58	23°56	22°23	9°39	7°19	24°37	22°27	21°36	6°19	4°39	23°36	17°28	F 23
S 24	4 10 31	1°16'28	19°0	26°33	25°10	23°5	9°34	7°16	24°41	22°26	21°39	6°10	4°36	23°43	17°26	S 24
S 25	4 14 28	2°17'00	4♏11	28°9	26°25	23°47	9°29	7°12	24°44	22°25	21°41	6°2	4°33	23°49	17°23	S 25
M26	4 18 25	3°17'34	19°8	29°45	27°39	24°29	9°24	7°9	24°48	22°24	21°44	5°54	4°30	23°56	17°21	M26
T 27	4 22 21	4°18'09	3♏44	1♏20	28°54	25°12	9°19	7°5	24°51	22°23	21°46	5°48	4°27	24°3	17°19	T 27
W28	4 26 18	5°18'46	17°53	2°55	0♏8	25°54	9°13	7°1	24°55	22°22	21°48	5°44	4°23	24°9	17°16	W28
T 29	4 30 14	6°19'25	1♐35	4°30	1°23	26°36	9°7	6°57	24°58	22°21	21°51	5°D43	4°20	24°16	17°14	T 29
F 30	4 34 11	7♏20'05	14♐52	6♏5	2♏37	27♏19	9♏1	6♏54	25♏2	22♏20	21♐53	5♏43	4♏17	24♏23	17♏11	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
T 1	14s13	10n46	3s45	6s 3	2n 7	19s27	0s 5	20s34	2s13	22n40	0s18	22n 7	1s 2	23s23	0s 8	20n49	0s42	3s37	14n48	2s55	2s19	18s 9	15n27	6s49	
F 2	14 32	7 6	2 49	6 33	2 7	19 47	0 8	20 22	2 12	22 41	0 18	22 8	1 2	23 23	0 8	20 49	0 42	3 37	14 47	2 55	2 17	18 9	15 26	6 50	
S 3	14 51	3 10	1 45	7 4	2 6	20 6	0 11	20 10	2 10	22 41	0 18	22 8	1 2	23 23	0 8	20 49	0 42	3 38	14 47	2 56	2 16	18 9	15 25	6 51	
S 4	15 10	0s51	0 37	7 38	2 5	20 24	0 13	19 58	2 8	22 41	0 18	22 8	1 2	23 23	0 8	20 49	0 42	3 39	14 47	2 57	2 15	18 9	15 25	6 51	
M 5	15 28	4 45	0n32	8 12	2 2	20 42	0 16	19 45	2 6	22 41	0 18	22 8	1 2	23 23	0 8	20 49	0 42	3 40	14 47	2 57	2 13	18 9	15 24	6 52	
T 6	15 46	8 24	1 38	8 48	1 59	20 59	0 18	19 32	2 4	22 41	0 18	22 8	1 2	23 24	0 8	20 49	0 42	3 40	14 47	2 56	2 12	18 10	15 24	6 52	
W 7	16 4	11 39	2 39	9 24	1 55	21 16	0 21	19 19	2 3	22 41	0 18	22 8	1 2	23 24	0 8	20 49	0 42	3 41	14 47	2 55	2 11	18 10	15 23	6 53	
T 8	16 22	14 21	3 31	10 0	1 51	21 32	0 23	19 6	2 1	22 42	0 18	22 8	1 2	23 24	0 8	20 49	0 42	3 42	14 47	2 52	2 10	18 10	15 23	6 54	
F 9	16 40	16 25	4 14	10 37	1 47	21 48	0 26	18 53	1 59	22 42	0 18	22 8	1 2	23 24	0 8	20 49	0 43	3 42	14 47	2 50	2 8	18 10	15 22	6 54	
S 10	16 57	17 45	4 45	11 14	1 42	22 3	0 29	18 40	1 58	22 42	0 18	22 8	1 2	23 24	0 8	20 49	0 43	3 43	14 46	2 47	2 7	18 10	15 22	6 55	
S 11	17 13	18 18	5 3	11 51	1 36	22 17	0 31	18 26	1 56	22 42	0 18	22 9	1 2	23 24	0 8	20 49	0 43	3 44	14 46	2 43	2 6	18 10	15 21	6 56	
M12	17 30	18 3	5 9	12 28	1 31	22 31	0 34	18 13	1 54	22 43	0 17	22 9	1 2	23 24	0 8	20 49	0 43	3 44	14 46	2 41	2 5	18 11	15 21	6 56	
T 13	17 46	17 0	5 1	13 5	1 25	22 44	0 36	17 59	1 52	22 43	0 17	22 9	1 2	23 25	0 8	20 49	0 43	3 45	14 46	2 38	2 3	18 11	15 20	6 57	
W14	18 2	15 13	4 40	13 41	1 19	22 56	0 39	17 45	1 51	22 43	0 17	22 9	1 2	23 25	0 8	20 49	0 43	3 46	14 46	2 36	2 2	18 11	15 20	6 57	
T 15	18 18	12 45	4 6	14 17	1 13	23 8	0 41	17 31	1 49	22 44	0 17	22 9	1 2	23 25	0 8	20 49	0 43	3 46	14 46	2 36	2 1	18 11	15 20	6 58	
F 16	18 33	9 39	3 21	14 52	1 6	23 19	0 44	17 16	1 47	22 44	0 17	22 9	1 2	23 25	0 8	20 49	0 43	3 47	14 46	2 35	2 0	18 11	15 19	6 59	
S 17	18 48	6 3	2 24	15 27	1 0	23 29	0 46	17 2	1 46	22 44	0 17	22 9	1 2	23 25	0 8	20 50	0 43	3 47	14 46	2 36	1 58	18 11	15 19	6 59	
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M26	20 47	17 8	4 57	20 6	0s 2	24 30	1 7	14 46	1 31	22 48	0 16	22 11	1 2	23 26	0 8	20 51	0 43	3 53	14 46	2 20	1 47	18 13	15 16	7 4	
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