

Astrodienst Ephemeris Tables for the year 2291

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

JANUARY 2291 00:00 UT

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T 1	6 41 58	10 궁 14'36	4 ਰ 14	19 궁 47	3 ∡ 757	19 х 14	24M20	29₩ 0	1°R 5	16 M 8	1) (40	17°R58	16 × 751	13 M 57	14°R45	T 1
F 2	6 45 55	11°15'46	16°45	21°24	5°10	19°57	24°31	29° 4	1 Q 2	16°10	1°41	17 ∡ 756	16°48	14° 4	14 M)45	F 2
S 3	6 49 51	12°16'55	29°30	23° 0	6°24	20°40	24°42	29° 7	1° 0	16°11	1°43	17°52	16°45	14°11	14°44	S 3
S 4	6 53 48	13°18'04	12≈28	24°37	7°37	21°23	24°53	29°10	0°58	16°13	1°44	17°48	16°41	14°17	14°43	S 4
M 5	6 57 44	14°19'14	25°40	26°13	8°51	22° 7	25° 4	29°14	0°55	16°14	1°45	17°44	16°38	14°24	14°43	M 5
T 6	7 141	15°20'23	9 ∺ 4	27°50	10° 4	22°50	25°14	29°17	0°53	16°16	1°46	17°40	16°35	14°31	14°42	T 6
W 7	7 5 3 7	16°21'32	22°41	29°26	11°18	23°33	25°25	29°21	0°50	16°17	1°48	17°37	16°32	14°37	14°41	W 7
T 8	7 9 34	17°22'41	6 Υ 29	1≈ 1	12°31	24°17	25°35	29°25	0°48	16°18	1°49	17°35	16°29	14°44	14°40	T 8
F 9	7 13 30	18°23'50	20°28	2°37	13°45	25° 0	25°45	29°29	0°45	16°19	1°50	17°D34	16°26	14°51	14°38	F 9
S 10	7 17 27	19°24'58	4 8 37	4°11	14°58	25°44	25°56	29°33	0°42	16°21	1°52	17°35	16°22	14°57	14°37	S 10
S 11	7 21 24	20°26'06	18°54	5°45	16°12	26°27	26° 6	29°37	0°40	16°22	1°53	17°37	16°19	15° 4	14°36	S 11
M12	7 25 20	21°27'14	3 I 17	7°18	17°26	27°11	26°16	29°41	0°37	16°23	1°54	17°38	16°16	15°11	14°34	M12
T 13	7 29 17	22°28'21	17°43	8°49	18°39	27°54	26°26	29°45	0°35	16°24	1°56	17°R39	16°13	15°17	14°32	T 13
W14	7 33 13	23°29'28	295 8	10°19	19°53	28°38	26°36	29°49	0°32	16°25	1°57	17°38	16°10	15°24	14°31	W14
T 15	7 37 10	24°30'35	16°27	11°47	21° 7	29°21	26°45	29°54	0°30	16°27	1°58	17°35	16° 6	15°31	14°29	T 15
F 16	7 41 6	25°31'41	0Ω 33	13°13	22°21	0중 5	26°55	29°58	0°27	16°28	2° 0	17°31	16° 3	15°37	14°27	F 16
S 17	7 45 3	26°32'47	14°23	14°35	23°35	0°49	27° 4	0 Υ 3	0°24	16°29	2° 1	17°24	16° 0	15°44	14°25	S 17
S 18	7 49 0	27°33'53	27°52	15°55	24°48	1°33	27°14	0° 8	0°22	16°30	2° 3	17°17	15°57	15°51	14°23	S 18
M19	7 52 56	28°34'58	11 Mp 0	17°10	26° 2	2°16	27°23	0°12	0°19	16°31	2° 4	17°10	15°54	15°57	14°20	M19
T 20	7 56 53	29°36'03	23°46	18°21	27°16	3° 0	27°32	0°17	0°17	16°32	2° 6	17° 4	15°51	16° 4	14°18	T 20
W21	8 0 49	0≈37'08	6 ₽ 12	19°26	28°30	3°44	27°41	0°22	0°14	16°33	2° 7	16°59	15°47	16°11	14°15	W21
T 22	8 4 46	1°38'13	18°21	20°25	29°44	4°28	27°50	0°27	0°11	16°33	2° 9	16°56	15°44	16°17	14°13	T 22
F 23	8 8 42	2°39'18	0 M .19	21°17	0 궁 58	5°12	27°59	0°32	0° 9	16°34	2°10	16°D55	15°41	16°24	14°10	F 23
S 24	8 12 39	3°40'22	12° 9	22° 2	2°12	5°56	28° 8	0°37	0° 6	16°35	2°12	16°55	15°38	16°31	14° 7	S 24
S 25	8 16 35	4°41'26	23°58	22°37	3°26	6°40	28°16	0°42	0° 4	16°36	2°13	16°56	15°35	16°37	14° 4	S 25
M26	8 20 32	5°42'30	5 ₹ 49	23° 3	4°41	7°24	28°25	0°47	0° 1	16°37	2°15	16°58	15°32	16°44	14° 1	M26
T 27	8 24 29	6°43'34	1 <u>7</u> °50	23°19	5°55	8° 8	28°33	0°53	29958	16°37	2°16	16°R58	15°28	16°51	13°58	T 27
W28	8 28 25	7°44'36	0중 3	23°R23	7° 9	8°53	28°42	0°58	29°56	16°38	2°18	16°57	15°25	16°57	13°55	W28
T 29	8 32 22	8°45'39	12°31	23°17	8°23	9°37	28°50	1° 4	29°53	16°39	2°20	16°54	15°22	17° 4	13°52	T 29
F 30	8 36 18	9°46'40	25°18	22°58	9°37	10°21	28°58	1° 9	29°51	16°39	2°21	16°48	15°19	17°11	13°49	F 30
S 31	8 40 15	10≈47'41	8≈24	22≈29	10 궁 51	11중 5	29M 5	1 Υ 15	299548	16 M 40	2 ∺ 23	16 √ 41	15 × 16	17 M .17	13 M 45	S 31

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T 1 F 2 S 3	23 s 0 22 55 22 50	19 50 2 32	24s 5 23 51 23 35	2s10 19s 3 2 10 19 18 2 11 19 33	1n53 23 s15 1 51 23 19 1 49 23 23	0 18	17 s 5 4 17 5 6 17 5 9	0n58 0 58 0 58	2 s29 2 28 2 26	2 16	20n27 20 27 20 28	0n34 0 34 0 34	15 0 1	43 20	50 10 s43 50 10 43 49 10 42	22 51	22 45	18 42	0n38 5 s4 0 38 5 4 0 37 5 5
S 4 M 5 T 6 W 7 T 8 F 9	22 44 22 38 22 31 22 24 22 16 22 8	8 23 4 51 3 22 5 10 1n53 5 12 7 7 4 57	23 18 23 0 22 40 22 18 21 55 21 31	2 10 19 47 2 10 20 0 2 8 20 13 2 7 20 25 2 4 20 37 2 1 20 48	1 47 23 26 1 46 23 30 1 43 23 33 1 41 23 36 1 39 23 38 1 37 23 41	0 19 0 20 0 20 0 21 0 22 0 22	18 4 18 6 18 9	0 58 0 58 0 58 0 58 0 58 0 58	2 25 2 23 2 21 2 20 2 18 2 16	2 16 2 16 2 15 2 15	20 28 20 29 20 29 20 30 20 31 20 31	0 34 0 34	15 2 1 15 2 1 15 2 1 15 3 1	43 20 43 20 43 20 43 20	49 10 42 48 10 42 47 10 42 47 10 42 46 10 42 46 10 41	22 50 22 50 22 49 22 49	22 44 22 44 22 43 22 43	18 46 18 47 18 48 18 49	0 37 5 5 0 37 5 5
S 10 S 11 M12 T 13 W14 T 15 F 16	22 0 21 51 21 42 21 32 21 22	16 24 3 34 19 50 2 31 22 3 1 18 22 50 0s 0 22 5 1 18 19 54 2 31	21 5 20 38 20 10 19 41 19 11 18 39	1 58 20 59 1 54 21 9 1 49 21 19 1 43 21 28 1 37 21 36 1 29 21 44 1 21 21 51	1 35 23 43 1 32 23 45 1 30 23 46 1 28 23 48 1 25 23 49 1 23 23 50 1 20 23 51	0 23 0 24 0 24 0 25 0 25 0 26 0 27	18 16 18 18 18 20 18 23 18 25 18 27 18 29	0 58 0 58 0 58 0 59 0 59 0 59 0 59	2 15 2 13 2 11 2 9 2 7 2 5 2 3	2 15 2 15 2 14 2 14 2 14 2 14	20 32 20 32 20 33 20 33 20 34 20 35	0 35 0 35 0 35 0 35 0 35 0 35	15 3 1 15 3 1 15 4 1 15 4 1 15 4 1 15 5 1 15 5 1	43 20 43 20 43 20 43 20 43 20 43 20 43 20	45 10 41 44 10 41 44 10 41 43 10 41 42 10 41 42 10 41 41 10 41	22 49 22 50 22 50 22 50 22 49 22 49	22 42 22 42 22 42 22 41 22 41 22 41 22 40	18 52 18 53 18 54 18 56 18 57 18 58 18 59	0 37 5 5 5 0 38 5 5 5 0 38 5 5 5 0 39 5 5 5 0 39 5 5 5 0 39 5 5 5 0 39 5 5 5 5 0 39 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
S 17 S 18 M19 T 20 W21 T 22 F 23 S 24	20 37 20 25 20 12 19 59 19 46 19 32	7 37 4 52 2 41 5 8 2 s14 5 8 6 56 4 53 11 16 4 25	16 29 15 56 15 24 14 52 14 21	1 12 21 57 1 2 22 3 0 52 22 8 0 40 22 13 0 27 22 17 0 13 22 20 0n 2 22 22 0 17 22 24	1 18 23 51 1 15 23 52 1 12 23 52 1 10 23 51 1 7 23 51 1 4 23 50 1 1 23 49 0 59 23 48	0 28 0 29 0 29	18 33 18 35 18 37 18 39 18 41 18 43	0 59 0 59 0 59 0 59 0 59 0 59 0 59	2 1 1 59 1 57 1 55 1 53 1 51 1 49 1 47	2 13 2 13 2 13 2 13 2 13 2 13	20 36 20 37 20 37 20 38 20 39 20 39 20 40	0 35 0 35 0 35 0 35 0 35 0 35	15 5 1 15 6 1 15 6 1 15 6 1 15 6 1 15 6 1	44 20 44 20 44 20 44 20 44 20 44 20	41 10 40 40 10 40 39 10 40 38 10 40 37 10 40 37 10 40 36 10 40	22 48 22 47 22 46 22 46 22 46 22 45	22 40 22 39 22 39 22 39 22 38 22 38	19 2 19 3 19 4 19 5 19 7 19 8	0 40 5 5 0 41 5 5 0 42 5 5 0 42 5 5 0 43 5 5 0 44 5 5 0 45 5 5
S 25 M26 T 27 W28 T 29 F 30 S 31	19 4 18 49 18 34 18 18 18 2 17 46	20 41 2 1 22 14 1 0 22 46 0n 5 22 14 1 10 20 36 2 13 17 55 3 11	13 26 13 1 12 39 12 21	0 33 22 26 0 50 22 26 1 8 22 26 1 26 22 25 1 44 22 24 2 2 22 22 2n19 22s19	0 56 23 47 0 53 23 45 0 50 23 43 0 47 23 41 0 44 23 38 0 41 23 36	0 33 0 33 0 34 0 35 0 35 0 36	18 47 18 48	1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 45 1 42 1 40 1 38 1 35 1 33	2 12 2 12 2 12 2 12 2 12 2 12 2 11	20 40 20 41	0 35 0 35 0 35 0 35 0 35 0 35	15 7 1 15 7 1 15 7 1 15 7 1 15 7 1 15 7 1	44 20 44 20 44 20 44 20 44 20 44 20	35 10 40 35 10 40 34 10 40 34 10 40 33 10 39 32 10 39 32 10 39	22 46 22 46 22 46 22 46 22 45 22 45	22 37 22 37 22 37 22 36 22 36 22 36 22 36	19 10 19 11 19 13 19 14 19 15 19 16	0 46 5 5 0 46 5 5 0 47 5 5 0 48 5 5 0 49 5 5 0 51 5 5 0n52 5 5

Julian Day Number = 2557830.5, Delta T = 281.66 sec Ecliptic obliquity = $23^{\circ}24'03$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'28$, Lahiri = $27^{\circ}55'28$

FEBRUARY 2291 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(ħ	Р	R	Ω	Ç	, k	Day
S 1	8 44 11	11≈48'41	21≈47	21°R48	12ට 6	11 る 50	29 TL 13	1 Υ 20	29°R45	16 M 41	2) 24	16°R31	15 √ 12	17 M 24	13°R42	S 1
M 2	8 48 8	12°49'41	5 ₩ 25	20≈58	13°20	12°34	29°21	1°26	299543	16°41	2°26	16 × 721	15° 9	17°31	13 m 38	M 2
T 3	8 52 4	13°50'39	19°16	19°59	14°34	13°18	29°28	1°32	29°40	16°42	2°28	16°11	15° 6	17°37	13°35	T 3
W 4	8 56 1	14°51'36	3 Υ 15	18°53	15°48	14° 3	29°35	1°38	29°38	16°42	2°29	16° 3	15° 3	17°44	13°31	W 4
T 5	8 59 58	15°52'31	17°19	17°42	17° 3	14°47	29°43	1°44	29°35	16°42	2°31	15°57	15° 0	17°51	13°27	T 5
F 6	9 3 54	16°53'26	1826	16°28	18°17	15°32	29°50	1°50	29°33	16°43	2°33	15°54	14°57	17°57	13°23	F 6
S 7	9 7 5 1	17°54'19	15°32	15°14	19°31	16°16	29°57	1°56	29°30	16°43	2°34	15°D53	14°53	18° 4	13°19	S 7
S 8	9 11 47	18°55'11	29°38	14° 2	20°46	17° 1	0 ≯ 3	2° 2	29°28	16°43	2°36	15°53	14°50	18°11	13°15	S 8
M 9	9 15 44	19°56'02	13 Ⅱ 42	12°52	22° 0	17°45	0°10	2° 8	29°26	16°44	2°38	15°R54	14°47	18°17	13°11	M 9
T 10	9 19 40	20°56'51	27°43	11°48	23°14	18°30	0°16	2°14	29°23	16°44	2°39	15°53	14°44	18°24	13° 7	T 10
W11	9 23 37	21°57'39	11939	10°49	24°29	19°15	0°23	2°21	29°21	16°44	2°41	15°50	14°41	18°31	13° 3	W11
T 12	9 27 33	22°58'25	25°30	9°58	25°43	19°59	0°29	2°27	29°19	16°44	2°43	15°45	14°38	18°37	12°59	T 12
F 13	9 31 30	23°59'10	9Ω11	9°15	26°57	20°44	0°35	2°33	29°16	16°45	2°44	15°37	14°34	18°44	12°54	F 13
S 14	9 35 27	24°59'53	22°41	8°40	28°12	21°29	0°40	2°40	29°14	16°45	2°46	15°26	14°31	18°51	12°50	S 14
S 15	9 39 23	26° 0'36	5 m 56	8°13	29°26	22°14	0°46	2°46	29°12	16°45	2°48	15°14	14°28	18°57	12°46	S 15
M16	9 43 20	27° 1'17	18°54	7°54	0≈40	22°59	0°52	2°53	29° 9	16°45	2°50	15° 1	14°25	19° 4	12°41	M16
T 17	9 47 16	28° 1'56	1 ≏ 35	7°43	1°55	23°43	0°57	2°59	29° 7	16°R45	2°51	14°49	14°22	19°10	12°37	T 17
W18	9 51 13	29° 2'35	13°59	7°D40	3° 9	24°28	1° 2	3° 6	29° 5	16°45	2°53	14°39	14°18	19°17	12°32	W18
T 19	9 55 9	0 米 3'12	26° 8	7°43	4°24	25°13	1° 7	3°12	29° 3	16°45	2°55	14°32	14°15	19°24	12°28	T 19
F 20	9 59 6	1° 3'48	8 M 5	7°54	5°38	25°58	1°12	3°19	29° 1	16°45	2°56	14°27	14°12	19°30	12°23	F 20
S 21	10 3 2	2° 4'23	19°55	8°11	6°52	26°43	1°17	3°26	28°59	16°45	2°58	14°25	14° 9	19°37	12°18	S 21
S 22	10 6 59	3° 4'57	1 ∡ 743	8°33	8° 7	27°28	1°21	3°33	28°57	16°44	3° 0	14°D24	14° 6	19°44	12°14	S 22
M23	10 10 55	4° 5'30	13°35	9° 2	9°21	28°13	1°26	3°39	28°55	16°44	3° 2	14°R24	14° 3	19°50	12° 9	M23
T 24	10 14 52	5° 6'01	25°35	9°35	10°36	28°59	1°30	3°46	28°53	16°44	3° 3	14°24	13°59	19°57	12° 4	T 24
W25	10 18 49	6° 6'31	7 云 50	10°12	11°50	29°44	1°34	3°53	28°51	16°44	3° 5	14°22	13°56	20° 4	12° 0	W25
T 26	10 22 45	7° 7'00	20°23	10°54	13° 5	0≈29	1°38	4° 0	28°49	16°43	3° 7	14°18	13°53	20°10	11°55	T 26
F 27	10 26 42	8° 7'28	3≈19	11°40	14°19	1°14	1°41	4° 7	28°47	16°43	3° 8	14°10	13°50	20°17	11°50	F 27
S 28	10 30 38	9 光 7'53	16≈39	12≈29	15≈33	1≈59	1 ∡ 745	4 Υ 14	289945	16 M .43	3) 10	14 ×7 1	13 ×7 47	20M24	11 m 45	S 28

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17 s13	9 s 5 1	4n37	11 s46	2n35	22 s16	0n36	23 s30	0 s37	18 s 5 8	1n 0	1 s28	2s11	20n44	0n35	15 s 8	1n44	20 s31	10s39	22 s43	22 s35	19s18	0n53	5 s58
M 2	16 56	4 52	4 59	11 48	2 50	22 11	0 33	23 26	0 38	19 0	1 0	1 26	2 11	20 45	0 35	15 8	1 44	20 30	10 39	22 42	22 35	19 19	0 54	5 59
T 3	16 39	0n26	5 4	11 53	3 4	22 7	0 30	23 23	0 39	19 1	1 1	1 24	2 11	20 45	0 35	15 8	1 44	20 30	10 39	22 41	22 34	19 21	0 55	5 59
W 4	16 21	5 45	4 51	12 3	3 15	22 1	0 27	23 19	0 39	19 3	1 1	1 21	2 11	20 46	0 35	15 8	1 45	20 29	10 39	22 40	22 34	19 22	0 57	5 59
T 5	16 3	10 48	4 21	12 15	3 25	21 55	0 24	23 15	0 40	19 4	1 1	1 19	2 11	20 46	0 35	15 8	1 45	20 28	10 39	22 40	22 33	19 23	0 58	5 59
F 6	15 45	15 18	3 34	12 30	3 32	21 48		23 10	0 41	19 5	1 1	1 16	2 10	20 47	0 35	15 8	1 45				22 33		0 59	5 59
S 7	15 26	18 56	2 35	12 47	3 36	21 41	0 18	23 6	0 41	19 7	1 1	1 14	2 10	20 47	0 35	15 8	1 45	20 27	10 39	22 39	22 33	19 25	1 1	5 59
S 8	15 8	21 26	1 26	13 6	3 38	21 33	0 15	23 1	0 42	19 8	1 1	1 11	2 10	20 48	0 35	15 8	1 45	20 26	10 39	22 39	22 32	19 26	1 2	5 59
M 9	14 49	22 36	0 12	13 26	3 38	21 24	0 12	22 56	0 42	19 9	1 1	1 9	2 10	20 48	0 35	15 8	1 45	20 26	10 39	22 39	22 32	19 27	1 3	5 59
T 10	14 29	22 20	1 s 3	13 46	3 35	21 15	0 9	22 50	0 43	19 11	1 1	1 6	2 10	20 49	0 35	15 8	1 45	20 25	10 39	22 39	22 32	19 28	1 5	6 0
W11	14 10	20 41	2 13	14 7	3 31	21 5	0 7	22 45	0 44	19 12	1 1	1 3	2 10	20 49	0 35	15 8	1 45	20 25	10 39	22 39	22 31	19 30	1 7	6 0
T 12	13 50	17 49	3 14	14 26	3 24	20 54	0 4	22 39	0 44	19 13	1 2	1 1	2 10	20 50	0 35	15 8	1 45	20 24	10 39	22 38	22 31	19 31	1 8	6 0
F 13	13 30	14 0	4 4	14 45	3 16	20 43	0 1	22 33	0 45	19 14	1 2	0 58	2 10	20 50	0 35	15 8	1 45	20 23	10 39	22 38	22 31	19 32	1 10	6 0
S 14	13 10	9 32	4 39	15 3	3 7	20 31	0s 2	22 27	0 46	19 15	1 2	0 56	2 10	20 51	0 35	15 8	1 45	20 23	10 39	22 36	22 30	19 33	1 11	6 0
S 15	12 50	4 42	4 58	15 20	2 57	20 19	0 5	22 20	0 46	19 16	1 2	0 53	2 9	20 51	0 35	15 8	1 45	20 22	10 39	22 35	22 30	19 34	1 13	6 0
M16	12 29	0s14	5 1	15 36	2 46	20 6	0 8	22 13	0 47	19 17	1 2	0 50	2 9	20 52	0 35	15 8	1 45	20 21	10 39	22 34	22 30	19 35	1 15	6 0
T 17	12 8	5 3	4 49	15 50	2 34	19 52	0 10	22 6	0 48	19 18	1 2	0 48	2 9	20 52	0 35	15 8	1 45	20 21	10 39	22 32	22 29	19 36	1 16	6 0
W18	11 47	9 33	4 24	16 2	2 22	19 38	0 13	21 59	0 48	19 19	1 2	0 45	2 9	20 52	0 35	15 8	1 45	20 20	10 39	22 31	22 29	19 37	1 18	6 0
T 19	11 26	13 35	3 47	16 13	2 10	19 23	0 16	21 52	0 49	19 20	1 2	0 42	2 9	20 53	0 35	15 8	1 45	20 20	10 39	22 30	22 28	19 38	1 20	6 0
F 20	11 5	17 1	3 0	16 22	1 57	19 8	0 18	21 44	0 50	19 21	1 3	0 39	2 9	20 53	0 35	15 8	1 45	20 19	10 39	22 30	22 28	19 39	1 22	5 59
S 21	10 43	19 43	2 6	16 30	1 45	18 52	0 21	21 36	0 50	19 22	1 3	0 37	2 9	20 54	0 35	15 8	1 46	20 18	10 39	22 30	22 28	19 40	1 23	5 59
S 22	10 21	21 34	1 7	16 36	1 32	18 35	0 24	21 28	0 51	19 22	1 3	0 34	2 9	20 54	0 35	15 7	1 46	20 18	10 39	22 29	22 27	19 41	1 25	5 59
M23	10 0	22 28	0 4	16 41	1 20	18 18	0 26	21 19	0 52	19 23	1 3	0 31	2 9	20 55	0 35	15 7	1 46	20 17	10 39	22 29	22 27	19 42	1 27	5 59
T 24	9 38	22 21	0n59	16 44	1 8	18 1	0 29	21 11	0 52	19 24	1 3	0 28	2 9	20 55	0 35	15 7	1 46	20 17	10 39	22 29	22 27	19 43	1 29	5 59
W25	9 15	21 10	2 1	16 46	0 56	17 43	0 31	21 2	0 53	19 25	1 3	0 26	2 9	20 55	0 35	15 7	1 46	20 16	10 39	22 29	22 26	19 44	1 31	5 59
T 26	8 53	18 55	2 58	16 46	0 44	17 24	0 34	20 53	0 53	19 25	1 3	0 23	2 9	20 56	0 35	15 7	1 46	20 16	10 40	22 29	22 26	19 45	1 33	5 59
F 27	8 31	15 41	3 48	16 44	0 33	17 5	0 36	20 44	0 54	19 26	1 3	0 20	2 8	20 56	0 35	15 7	1 46	20 15	10 40	22 28	22 25	19 46	1 35	5 59
S 28	8 s 8	11 s34	4n27	16s41	0n21	16 s46	0s39	20 s34	0 s 5 5	19 s26	1n 4	0s17	2s 8	20n56	0n35	15 s 7	1n46	20s14	10 s40	22 s27	22 s25	19 s47	1n37	5 s58

Julian Day Number = 2557861.5, Delta T = 281.81 sec Ecliptic obliquity = $23^{\circ}24'03$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'32$, Lahiri = $27^{\circ}55'33$

MARCH 2291 00:00 UT

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T 3	10 42 28	12° 9'02	28°43	15°17	19°17	4°15	1°54	4°35	28°40	16°41	3°15	13°24	13°37	20°44	11°31	T 3
W 4	10 46 24	13° 9'21	13 Y 10	16°18	20°31	5° 0	1°57	4°42	28°38	16°41	3°17	13°13	13°34	20°50	11°26	W 4
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F 6	10 54 18	15° 9'54	128 6	18°28	23° 0	6°31	2° 2	4°57	28°35	16°40	3°20	13° 0	13°28	21° 4	11°17	F 6
S 7	10 58 14	16°10'07	26°25	19°37	24°15	7°17	2° 4	5° 4	28°34	16°39	3°22	12°58	13°24	21°10	11°12	S 7
S 8	11 2 11	17°10'19	10 Ⅱ 34	20°47	25°29	8° 2	2° 7	5°11	28°32	16°39	3°24	12°58	13°21	21°17	11° 7	S 8
M 9	11 6 7	18°10'28	24°33	22° 0	26°43	8°47	2° 8	5°18	28°31	16°38	3°25	12°58	13°18	21°24	11° 2	M 9
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W11	11 14 0	20°10'41	21°58	24°30	29°12	10°18	2°12	5°33	28°28	16°37	3°29	12°54	13°12	21°37	10°53	W11
T 12	11 17 57	21°10'44	5 Ω 25	25°47	0) €27	11° 4	2°13	5°40	28°27	16°36	3°30	12°48	13° 9	21°44	10°48	T 12
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S 14	11 25 50	23°10'43	1 M p47	28°27	2°56	12°35	2°15	5°55	28°24	16°34	3°34	12°28	13° 2	21°57	10°39	S 14
S 15	11 29 47	24°10'40	14°41	29°50	4°10	13°21	2°16	6° 2	28°23	16°34	3°35	12°15	12°59	22° 4	10°35	S 15
M16	11 33 43	25°10'35	27°22	1) (14	5°24	14° 6	2°16	6°10	28°22	16°33	3°37	12° 1	12°56	22°10	10°30	M16
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W18	11 41 36	27°10'19	22° 5	4° 5	7°53	15°37	2°17	6°25	28°20	16°31	3°40	11°38	12°49	22°24	10°21	W18
T 19	11 45 33	28°10'08	4 M 9	5°33	9° 8	16°23	2°R17	6°32	28°19	16°30	3°42	11°29	12°46	22°30	10°17	T 19
F 20	11 49 29	29° 9'56	16° 4	7° 2	10°22	17° 9	2°17	6°39	28°18	16°29	3°43	11°24	12°43	22°37	10°12	F 20
S 21	11 53 26	0 Υ 9'42	27°53	8°33	11°36	17°54	2°16	6°47	28°17	16°28	3°45	11°21	12°40	22°43	10° 8	S 21
S 22	11 57 22	1° 9'26	9 ∡ 740	10° 5	12°51	18°40	2°16	6°54	28°16	16°27	3°46	11°D20	12°37	22°50	10° 4	S 22
M23	12 1 19	2° 9'08	21°31	11°38	14° 5	19°26	2°15	7° 2	28°16	16°26	3°48	11°20	12°34	22°57	9°59	M23
T 24	12 5 16	3° 8'49	3 云 30	13°12	15°19	20°12	2°14	7° 9	28°15	16°25	3°49	11°R21	12°30	23° 3	9°55	T 24
W25	12 9 12	4° 8'28	15°43	14°48	16°34	20°57	2°13	7°17	28°14	16°24	3°51	11°20	12°27	23°10	9°51	W25
T 26	12 13 9	5° 8'06	28°16	16°25	17°48	21°43	2°12	7°24	28°14	16°23	3°52	11°17	12°24	23°17	9°47	T 26
F 27	12 17 5	6° 7'41	11≈12	18° 3	19° 3	22°29	2°10	7°32	28°13	16°22	3°54	11°13	12°21	23°23	9°43	F 27
S 28	12 21 2	7° 7'15	24°35	19°43	20°17	23°15	2° 9	7°39	28°13	16°21	3°55	11° 5	12°18	23°30	9°39	S 28
S 29	12 24 58	8° 6'47	8) €25	21°23	21°31	24° 1	2° 7	7°47	28°12	16°19	3°57	10°56	12°15	23°37	9°35	S 29
M30	12 28 55	9° 6'17	22°41	23° 5	22°46	24°47	2° 5	7°54	28°12	16°18	3°58	10°46	12°11	23°43	9°31	M30
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T 3	7 0		50 16 23			0 46 20 3			1 4	0 11	2 8		0 33		1 46					19 50	1 41	5 58
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M 9	4 40	22 16 1s	s 1 15 10	1 4	13 30	0 58 19 (1 0	19 30	1 5	0 9	2 8	20 59	0 34	15 5	1 46	20 10	10 41	22 19	22 22	19 56	1 55	5 56
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W11		18 29 3	11 14 34	-		1 2 18 3		19 30	1 5	0 15	2 8		0 34	15 4	1 47				22 21		1 59	5 55
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S 15	2 19	1 24 5	0 13 8	1 43	11 2	1 9 17 49	1 4	19 31	1 5	0 26	2 8	21 1	0 34	15 3	1 47	20 7	10 41	22 13	22 19	20 2	2 8	5 54
M16	1 55		50 12 43		10 36	1 10 17 30	1 4	19 31	1 6	0 29	2 8		0 34	15 3	1 47				22 19		2 10	5 53
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S 22	0 28	22 1 0	9 9 48	2 12	7 56	1 19 16 1	1 8	19 30	1 6	0 47	2 8	21 2	0 34	15 1	1 47	20 3	10 42	22 6	22 16	20 8	2 22	5 51
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S 29	3 13	3 42 5	4 5 32			1 25 14 3		19 27	1 7	1 7		21 3		14 59	1 47		10 44			20 14	2 36	5 47
M30	3 36	-	58 4 51			1 26 14 23		19 27	1 7	1 10		21 3		14 58	1 47		10 44		22 13		2 38	5 46
T 31	4n 0	7n 3 4n	132 4s 9	2s17	3 s42	1s27 14s 8	1 s13	19s26	1n 7	1n13	2s 8	21n 3	0n34	14 s 5 8	1n47	20s 0	10 s44	22 s 0	22 s13	20s16	2n40	5 s46

Julian Day Number = 2557889.5, Delta T = 281.93 sec Ecliptic obliquity = 23°24'03, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'36$, Lahiri = $27^{\circ}55'37$

APRIL 2291 00:00 UT

W 1 12 36 48 11°Y 511 22°Y 7 26°H34 25°H14 26°≈18 2°R 0 8°Y 9 28°R11 16°R16 4*1 10°R28 12,87 5 23°H25 79°R24 W1 T 2 12 40 44 13° 435 78 2 28°20 26°29 27° 4 1,8757 8°17 28°S11 16°R16 4*1 10°R28 12,87 5 23°H25 79°R24 W1 T 2 12 40 44 13° 357 21°35 72°R34 27°S0 1°55 8°24 28°H1 16°R16 4*4 10°R28 12,87 5 23°H25 79°R24 W1 T 2 12 40 44 13° 357 21°35 72°R34 27°S0 1°55 8°24 28°H1 16°H3 4° 4 10°R2 11°59 24°H0 99°H7 7° 15 8*4 1248 8*14° 317 6°H33 1°56 28°S7 28°36 1°52 8°32 28°H1 16°H3 4° 4 10°R2 11°59 24°H0 99°H7 7° 13 8*4 8*5 125°234 15° 23°H3 20°S8 3°46 0°Y12 29°22 1°49 8°39 28°H1 16°H1 4° 7 10°H7 11°55 24°H3 99°H0 8*17 18°H3 1° 19 24°H3 99°H 125°H3 11°49 24°H3 99°H 18°H3 10°H8 11°49 24°H3 99°H7 18°H3 18°H1 10°H3 11°49 24°H3 10°H3 11°H3 10°H3 11°H3																	
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F10		-					-							_	-		W 8
S 11					-		-	_		-							
\$\frac{\text{S}}{\text{12}}\$ 13 20 10 \ 21°56'31 \ 23°59 \ 17°15 \ 8°51 \ 4°44 \ 1°22 \ 9°31 \ 28°12 \ 16° 1 \ 4°16 \ 9°53 \ 11°30 \ 25°10 \ 8°49 \ 814 \ M13 \ 13 24 7 \ 22°55'30 \ 6\frac{\text{Q}}{\text{22}}\$ 19°16 \ 10° 5 \ 5°29 \ 1°17 \ 9°38 \ 28°12 \ 15°59 \ 4°17 \ 9°44 \ 11°27 \ 25°16 \ 8°46 \ M13 \ 13 24 7 \ 22°55'30 \ 6\frac{\text{Q}}{\text{22}}\$ 19°16 \ 10° 5 \ 5°29 \ 1°17 \ 9°38 \ 28°12 \ 15°59 \ 4°17 \ 9°44 \ 11°27 \ 25°16 \ 8°46 \ M13 \ T14 \ 13 28 3 \ 23°54'28 \ 18°35 \ 21°18 \ 11°20 \ 6°15 \ 1°13 \ 9°46 \ 28°12 \ 15°58 \ 4°18 \ 9°36 \ 11°24 \ 25°23 \ 8°44 \ T14 \ W15 \ 13 32 0 \ 24°53'23 \ 07\text{U3} 9 \ 23°21 \ 12°34 \ 7° 1 \ 1° 8 \ 9°53 \ 28°13 \ 15°56 \ 4°20 \ 9°28 \ 11°20 \ 25°30 \ 8°41 \ W15 \ T16 \ 13 35 56 \ 25°52'16 \ 12°36 \ 25°25 \ 13°48 \ 7°47 \ 1° 3 \ 10° 0 \ 28°13 \ 15°55 \ 4°21 \ 9°23 \ 11°17 \ 25°36 \ 8°39 \ T16 \ F17 \ 13 39 53 \ 26°51'07 \ 24°27 \ 27°30 \ 15° 2 \ 8°33 \ 0°58 \ 10° 8 \ 28°14 \ 15°55 \ 4°21 \ 9°23 \ 11°17 \ 25°36 \ 8°37 \ F17 \ S18 \ 13 43 49 \ 27°49'56 \ 6\text{A}'14 \ 29°36 \ 16°16 \ 9°19 \ 0°53 \ 10°15 \ 28°15 \ 15°52 \ 4°23 \ 9°D18 \ 11°11 \ 25°50 \ 8°35 \ S18 \ S19 \ 13 47 46 \ 28°48'44 \ 18° 2 \ 18° 2 \ 18°45 \ 10°51 \ 0°42 \ 10°51 \ 0°42 \ 10°29 \ 28°16 \ 15°49 \ 4°25 \ 9°20 \ 11° 1 \ 25°56 \ 8°33 \ S18 \ M20 \ 13 51 42 \ 29°47'30 \ 29°53 \ 3°49 \ 18°45 \ 10°51 \ 0°42 \ 10°29 \ 28°16 \ 15°49 \ 4°25 \ 9°20 \ 11° 5 \ 26°3 \ 8°31 \ M20 \ 13 51 42 \ 29°47'30 \ 29°45 \ 8°2 \ 21°13 \ 12°23 \ 0°31 \ 10°44 \ 28°18 \ 15°46 \ 4°27 \ 9°23 \ 10°55 \ 26°33 \ 8°26 \ 12°27 \ 3°45 \ 14°11 \ 24°55 \ 14°41 \ 0°13 \ 11°55 \ 28°29 \ 15°44 \ 4°29 \ 9°R23 \ 10°55 \ 26°36 \ 8°27 \ W22 \ 8°25 \ 14°12 \ 5°36'9 \ 8°25 \ 14°12 \ 5°36'9 \ 8°25 \ 14°11 \ 24°55 \ 14°41 \ 0°13 \ 11°55 \ 28°29 \ 15°34 \ 4°34 \ 9°9 \ 10°42 \ 26°36 \ 8°24 \ 8°21 \ 8°25 \ 12°43 \ 8°27 \ 10°45 \ 26°30 \ 8°24 \ 12°22 \ 8°20 \ 11° 1 \ 26°10 \ 8°29 \ 12°13 \ 26°36 \ 8°25 \ 14°11 \ 26°30 \ 8°25 \ 14°11 \ 26°30 \ 8°25 \ 14°11 \ 26°30 \ 8°25 \ 14°11 \ 26°30 \ 8°25 \ 14°11 \ 28°22 \ 13°30 \ 10°44 \ 28°18 \ 15°44 \ 4°2										-	-						-
M13	S 11	13 16 13	20°57'30	11 m 24	15°15	7°37	3°58	1°26	9°24	28°11	16° 2	4°15	10° 1	11°33	25° 3	8°52	S 11
T14					-,					-			,				S 12
W15	-			-									-				M13
T16					-	-		_					,				T 14
F 17					_	_							-	-			
\$\text{S}\$ 18 13 43 49 27\cdot 49'56 6\tilde{\pi}\$ 14 29\cdot 36 16\cdot 16 9\cdot 19 0\cdot 53 10\cdot 15 28\cdot 15 15\cdot 52 4\cdot 23 9\cdot D18 11\cdot 11 25\cdot 50 8\cdot 35 \$\text{S}\$ 19 13 47 46 28\cdot 48'44 18\cdot 2 18\d2 17\cdot 30 10\cdot 5 0\cdot 48 10\cdot 22 28\cdot 15 15\cdot 50 4\cdot 24 9\cdot 19 11\cdot 8 25\cdot 56 8\cdot 33 \$\text{S}\$ 19 13 51 42 29\cdot 47'30 29\cdot 53 3\cdot 49 18\cdot 45 10\cdot 51 0\cdot 42 10\cdot 29 28\cdot 16 15\cdot 49 4\cdot 25 9\cdot 20 11\cdot 5 26\cdot 3 8\cdot 31 M20 M20 13 51 42 29\cdot 47'30 29\cdot 53 3\cdot 49 18\cdot 45 10\cdot 51 0\cdot 42 10\cdot 29 28\cdot 16 15\cdot 49 4\cdot 25 9\cdot 20 11\cdot 5 26\cdot 3 8\cdot 31 M20 M22 13 59 36 1\cdot 44'56 24\cdot 5 8\cdot 2 21\cdot 13 12\cdot 23 0\cdot 31 10\cdot 44 28\cdot 18 15\cdot 46 4\cdot 27 9\cdot 23 10\cdot 58 26\cdot 16 8\cdot 27 W22 13 59 36 1\cdot 44'56 24\cdot 5 8\cdot 2 21\cdot 13 12\cdot 23 0\cdot 31 10\cdot 44 28\cdot 18 15\cdot 46 4\cdot 27 9\cdot 23 10\cdot 58 26\cdot 16 8\cdot 27 W22 13\cdot 59 3\cdot 44'16 19\cdot 28 12\cdot 13 23\cdot 41 13\cdot 55 0\cdot 19 10\cdot 58 28\cdot 20 15\cdot 44 4\cdot 29 9\cdot R23 10\cdot 55 26\cdot 23 8\cdot 26 12\cdot 13 14\cdot 12 12\cdot 13 12\cdot 23 13\cdot 55 14\cdot 14 12\cdot 55 14\cdot 14 13\cdot 55 0\cdot 19 10\cdot 58 28\cdot 20 15\cdot 44 4\cdot 29 9\cdot R23 10\cdot 55 26\cdot 23 8\cdot 26 12\cdot 13 11\cdot 5 28\cdot 21 15\cdot 44 4\cdot 29 9\cdot R23 10\cdot 55 26\cdot 23 8\cdot 26 12\cdot 14 12\cdot 55 14\cdot 14 13\cdot 55 14\cdot 41 0\cdot 13 11\cdot 5 28\cdot 21 15\cdot 44 4\cdot 31 9\cdot 19 10\cdot 52 26\cdot 30 8\cdot 24 12\cdot 13 12\cdot 13 11\cdot 55 12\cdot 13 12\cdot 13 12\cdot 13 12\cdot 13 12\cdot 13 12\cdo													-				T 16
\$\begin{array}{c ccccccccccccccccccccccccccccccccccc						_				-			-				F 17
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 18	13 43 49	27°49'56	6 ₹ 14	29°36	16°16	9°19	0°53	10°15	28°15	15°52	4°23	9°D18	11°11	25°50	8°35	S 18
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S 26 14 15 22 5°39'29 16°33 16°20 26° 9 15°27 0° 6 11°12 28°22 15°39 4°32 9°15 10°46 26°43 8°21 S 26 M27 14 19 18 6°38'03 0°48 18°21 27°23 16°13 29°15 11°19 28°23 15°38 4°32 9°11 10°46 26°50 8°20 M27 T 28 14 23 15 7°36'35 15°28 20°20 28°37 16°59 29°53 11°26 28°24 15°36 4°33 9° 6 10°39 26°56 8°19 T 28 W29 14 27 11 8°35'06 0°36 22°17 29°52 17°45 29°47 11°33 28°25 15°34 4°34 9° 2 10°36 27° 3 8°18 W29					_	_					_						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 25	14 11 25	4°40'53	2) (46	14°17	24°55	14°41	0°13	11° 5	28°21	15°41	4°31	9°19	10°49	26°36	8°23	S 25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-								-							S 26
W29 14 27 11 8°35'06 0826 22°17 29°52 17°45 29°47 11°33 28°25 15°34 4°34 9° 2 10°36 27° 3 8°18 W29						-	-		-				,				
	-									-							T 28
T30 14 31 8 9833'35 15834 24811 18 6 18831 29M40 11940 28526 15M33 4835 8859 10833 27M 9 8m17 T30																	W29
	T 30	14 31 8	9 8 33'35	15 8 34	24811	18 6	18 米 31	29 IL 40	11 Υ 40	28926	15 M 33	4) (35	8 ₹ 59	10 ∡ 33	27 M 9	8 m) 17	T 30

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
W 1	4n23	12n 8 3n48	3 s26 2 s15	3 s13 1 s27	13 s53 1 s13	19s26 1n 7	1n16 2s 8	21n 3 0n34	14s58 1n47	20s 0 10s44	21 s59 22 s	12 20s17	2n42 5 s45
T 2	4 46	16 29 2 48	2 42 2 13	2 44 1 28	13 37 1 14	19 25 1 8	1 19 2 8	21 3 0 34	14 57 1 48	19 59 10 44	21 58 22	12 20 18	2 44 5 44
F 3	5 9	19 46 1 37	1 56 2 10	2 15 1 28	13 22 1 14	19 24 1 8	1 22 2 8	21 3 0 34	14 57 1 48	19 59 10 45	21 57 22	11 20 19	2 46 5 44
S 4	5 32	21 42 0 20	1 10 2 7	1 46 1 28	13 7 1 15	19 24 1 8	1 25 2 8	21 3 0 34	14 56 1 48	19 59 10 45	21 57 22	11 20 20	2 48 5 43
S 5	5 55	22 9 0s57	0 23 2 3	1 17 1 29	12 51 1 15	19 23 1 8	1 28 2 8	21 3 0 34	14 56 1 48	19 58 10 45	21 57 22	11 20 20	2 49 5 42
M 6	6 18	21 9 2 9	0n25 1 59	0 48 1 29	12 35 1 16	19 22 1 8	1 31 2 8	21 3 0 34	14 55 1 48	19 58 10 45	21 57 22	10 20 21	2 51 5 42
T 7	6 40	18 54 3 12	1 14 1 54	0 18 1 29	12 20 1 16	19 21 1 8	1 34 2 8	21 3 0 34	14 55 1 48	19 58 10 46	21 57 22	10 20 22	2 53 5 41
W 8	7 3	15 39 4 3	2 3 1 49	0n11 1 29		19 21 1 8			14 55 1 48			9 20 23	2 55 5 40
T 9		11 40 4 40				19 20 1 8			14 54 1 48			9 20 24	2 57 5 40
F 10	7 48	7 13 5 1	3 45 1 37		11 32 1 18			21 3 0 34	-			8 20 24	2 58 5 39
S 11	8 10	2 32 5 7	4 37 1 30	1 39 1 29	11 15 1 18	19 18 1 8	1 45 2 8	21 2 0 34	14 53 1 48	19 57 10 47	21 55 22	8 20 25	3 0 5 38
S 12	8 32	2s11 4 58				19 17 1 8				19 56 10 47		8 20 26	3 2 5 38
M13	8 54	6 44 4 35	-			19 16 1 8		21 2 0 34	-			7 20 27	3 3 5 37
T 14			, ,			19 15 1 9			14 52 1 48			7 20 28	3 5 5 36
W15		14 43 3 14			10 9 1 20				-			6 20 28	3 6 5 35
T 16		-, ., =			9 53 1 20				-			6 20 29	3 8 5 35
F 17					9 36 1 21	19 12 1 9			-			5 20 30	3 10 5 34
S 18	10 41	21 35 0 17	10 51 0 30		9 19 1 21	19 11 1 9	2 5 2 9	21 2 0 34	14 50 1 48	19 55 10 48	21 49 22	5 20 31	3 11 5 33
S 19			11 44 0 20		9 2 1 22					19 55 10 49		4 20 31	3 12 5 33
M20	_	21 34 1 50			8 45 1 22	19 8 1 9		21 1 0 33				4 20 32	3 14 5 32
T 21	_				8 28 1 23			21 1 0 33				4 20 33	3 15 5 31
W22			14 21 0 12		8 11 1 23			21 1 0 33	-			3 20 34	3 17 5 30
T 23			15 12 0 23		7 54 1 23			21 1 0 33				3 20 34	3 18 5 29
F 24		10 18 4 54			7 36 1 24	19 3 1 9						2 20 35	3 19 5 29
S 25	13 4	5 38 5 10	16 49 0 45	8 23 1 21	7 19 1 24	19 2 1 9	2 24 2 9	21 0 0 33	14 47 1 48	19 54 10 50	21 49 22	2 20 36	3 21 5 28
S 26	13 23		17 35 0 56		7 1 1 24	19 1 1 9				19 54 10 51		1 20 36	
M27	13 43	4n46 4 51			6 44 1 25							1 20 37	3 23 5 26
T 28	14 2	9 57 4 12			6 26 1 25			20 59 0 33	-			0 20 38	3 24 5 25
W29	14 20		19 42 1 26		6 9 1 25				14 45 1 48			0 20 39	3 25 5 25
T 30	14n39	18n28 2n 5	20n20 1n36	10n40 1s15	5 s 5 1 1 s 2 6	18s55 1n 9	2n37 2s10	20n59 0n33	14 s45 1n48	19s54 10s52	21 s46 22 s	0 20s39	3n26 5s24

 $\label{eq:Julian Day Number = 2557920.5, Delta T = 282.07 sec} \\ Ecliptic obliquity = 23°24'03, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 28°48'40, Lahiri = 27°55'41} \\$

MAY 2291 00:00 UT

Day	Sid.t	0)	ğ	φ	♂	4	ħ)∤(卉	Р	S.	v	Ç	ķ	Day
F 1	14 35 5	10832'02	0 П 42	26 8 2	2820	19 米 17	29°R33	11 Y 47	28928	15°R31	4) (36	8°R57	10 ∡ 30	27 M 16	8°R16	F 1
S 2	14 39 1	11°30'27	15°42	27°50	3°34	20° 3	29 M 26	11°54	28°29	15 M 30	4°37	8°D57	10°26	27°23	8 m 16	S 2
S 3	14 42 58	12°28'50	0925	29°34	4°48	20°48	29°20	12° 1	28°31	15°28	4°38	8 ∡ 758	10°23	27°29	8°15	S 3
M 4	14 46 54	13°27'11	14°48	1 Ⅱ 15	6° 2	21°34	29°12	12° 7	28°32	15°26	4°39	9° 0	10°20	27°36	8°15	M 4
T 5	14 50 51	14°25'30	28°47	2°52	7°16	22°20	29° 5	12°14	28°34	15°25	4°39	9° 1	10°17	27°43	8°15	T 5
W 6	14 54 47	15°23'47	12 N 22	4°26	8°30	23° 6	28°58	12°21	28°35	15°23	4°40	9°R 2	10°14	27°49	8°14	W 6
T 7	14 58 44	16°22'02	25°35	5°55	9°44	23°52	28°51	12°28	28°37	15°21	4°41	9° 2	10°11	27°56	8°D14	T 7
F 8	15 2 40	17°20'14	8 m) 28	7°20	10°58	24°38	28°44	12°34	28°38	15°20	4°42	9° 0	10° 7	28° 3	8°14	F 8
S 9	15 6 37	18°18'25	21° 3	8°41	12°12	25°23	28°36	12°41	28°40	15°18	4°42	8°58	10° 4	28° 9	8°14	S 9
S 10	15 10 34	19°16'34	3 ₾ 25	9°58	13°26	26° 9	28°29	12°47	28°42	15°16	4°43	8°55	10° 1	28°16	8°15	S 10
M11	15 14 30	20°14'40	15°35	11°11	14°40	26°55	28°21	12°54	28°44	15°15	4°43	8°52	9°58	28°23	8°15	M11
T 12	15 18 27	21°12'46	27°36	12°19	15°53	27°41	28°14	13° 0	28°45	15°13	4°44	8°49	9°55	28°29	8°16	T 12
W13	15 22 23	22°10'49	9 M .31	13°23	17° 7	28°26	28° 6	13° 7	28°47	15°12	4°45	8°47	9°52	28°36	8°16	W13
T 14	15 26 20	23° 8'51	21°21	14°22	18°21	29°12	27°59	13°13	28°49	15°10	4°45	8°46	9°48	28°43	8°17	T 14
F 15	15 30 16	24° 6'51	3 ₹ 9	15°16	19°35	29°58	27°51	13°19	28°51	15° 8	4°46	8°D45	9°45	28°49	8°18	F 15
S 16	15 34 13	25° 4'49	14°57	16° 6	20°49	0 Υ 43	27°44	13°26	28°53	15° 7	4°46	8°45	9°42	28°56	8°19	S 16
S 17	15 38 9	26° 2'46	26°48	16°51	22° 3	1°29	27°36	13°32	28°55	15° 5	4°47	8°45	9°39	29° 2	8°20	S 17
M18	15 42 6	27° 0'42	8 궁 44	17°31	23°17	2°14	27°28	13°38	28°57	15° 4	4°47	8°46	9°36	29° 9	8°21	M18
T 19	15 46 3	27°58'36	20°48	18° 6	24°31	3° 0	27°21	13°44	29° 0	15° 2	4°48	8°48	9°32	29°16	8°22	T 19
W20	15 49 59	28°56'29	3≈ 4	18°37	25°45	3°45	27°13	13°50	29° 2	15° 0	4°48	8°49	9°29	29°22	8°24	W20
T 21	15 53 56	29°54'21	15°35	19° 3	26°58	4°31	27° 5	13°56	29° 4	14°59	4°48	8°49	9°26	29°29	8°25	T 21
F 22	15 57 52	0 Ⅲ 52'12	28°26	19°23	28°12	5°16	26°58	14° 2	29° 6	14°57	4°49	8°R49	9°23	29°36	8°27	F 22
S 23	16 1 49	1°50'01	11) (40	19°39	29°26	6° 2	26°50	14° 8	29° 9	14°56	4°49	8°49	9°20	29°42	8°28	S 23
S 24	16 5 45	2°47'49	25°19	19°50	0 Ⅱ 40	6°47	26°43	14°14	29°11	14°54	4°50	8°49	9°17	29°49	8°30	S 24
M25	16 9 42	3°45'36	9 Υ 23	19°56	1°54	7°33	26°35	14°19	29°13	14°53	4°50	8°48	9°13	29°56	8°32	M25
T 26	16 13 38	4°43'22	23°53	19°R57	3° 8	8°18	26°27	14°25	29°16	14°51	4°50	8°48	9°10	0 ≯ 2	8°34	T 26
W27	16 17 35	5°41'07	8 8 44	19°53	4°21	9° 3	26°20	14°31	29°18	14°50	4°50	8°48	9° 7	0° 9	8°36	W27
T 28	16 21 32	6°38'51	23°49	19°45	5°35	9°49	26°12	14°36	29°21	14°48	4°51	8°47	9° 4	0°16	8°39	T 28
F 29	16 25 28	7°36'34	9 I I 0	19°33	6°49	10°34	26° 5	14°42	29°23	14°47	4°51	8°D47	9° 1	0°22	8°41	F 29
S 30	16 29 25	8°34'15	24° 7	19°17	8° 3	11°19	25°58	14°47	29°26	14°45	4°51	8°R47	8°58	0°29	8°43	S 30
S 31	16 33 21	9 Ⅲ 31'55	995 3	18 Ⅱ 57	9 Ⅱ 17	12 ° 4	25 M 50	14 Y 53	29529	14 M 44	4) (51	8 ∡ 747	8 ∡ 754	0 ∡ 36	8 m 46	S 31

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	decl	decl lat	decl lat	t decl la	at decl	lat	decl	lat	decl	lat	decl	lat	decl lat		decl lat	decl	decl	decl	decl lat	t
F 1 S 2	14n57 15 16				1 s 1 4 5 s 3 4 1 1 2 5 1 6	-	18 s 5 4 18 5 2	1n 9 1 9	2n39 2 42	-	20n59 20 58				19s54 10s5 19 54 10 5					5 s23 5 22
S 3 M 4 T 5 W 6 T 7 F 8		19 31 3 5 16 26 4 1 12 33 4 42 8 9 5 7	22 27 2 22 53 2 23 16 2 23 37 2	2 7 12 25 2 14 12 51 2 19 13 16 2 24 13 41	1 11 4 58 1 10 4 40 1 8 4 22 1 6 4 5 1 5 3 47 1 3 3 29	1 27 1 27 1 28 1 28	18 51 18 49 18 48 18 46 18 45 18 43	1 9 1 9 1 9 1 9 1 9	2 44 2 47 2 49 2 52 2 54 2 57	2 10 2 11 2 11 2 11		0 33 0 33 0 33 0 33	14 43 1 14 42 1 14 42 1 14 41 1	48 1 48 1 48 1	19 54 10 5 19 54 10 5	3 21 46 3 21 46 4 21 46 4 21 46	21 58 21 57 21 57 21 56	20 42 20 43 20 43 20 44	3 30 5 3 31 5 3 32 5 3 33 5	5 21 5 21 5 20 5 19 5 18 5 17
S 9 S 10 M11	17 15 17 31 17 47	1s11 5 8 5 45 4 47	24 11 2 24 25 2	2 30 14 30 2 32 14 54	1 1 3 11 1 0 2 53 0 58 2 35	1 28 1 29	18 42 18 40	1 9 1 9 1 9	2 59 3 2 3 4	2 11	20 56 20 56 20 55	0 33	14 40 1 14 40 1	48	19 54 10 5 19 54 10 5 19 54 10 5 19 54 10 5	5 21 46 5 21 45	21 55 21 55	20 45 20 46	3 34 5 3 35 5	5 16 5 16 5 15
T 12 W13 T 14 F 15 S 16	18 46	17 5 2 35	24 53 2 24 58 2 25 1 2	2 32 16 3 2 30 16 26 2 27 16 48	0 56 2 17 0 54 1 59 0 52 1 41 0 50 1 23 0 48 1 5	1 29 1 30 1 30	18 35 18 34	1 9 1 9 1 9 1 9 1 9	3 6 3 9 3 11 3 13 3 16	2 12 2 12 2 12	20 54 20 54	0 33 0 33 0 33	14 38 1 14 38 1 14 38 1	48 1 48 1 48 1	19 54 10 5 19 54 10 5 19 54 10 5 19 54 10 5 19 54 10 5	5 21 44 5 21 44 6 21 43	21 54 21 53 21 53	20 48 20 48 20 49	3 37 5 3 37 5 3 37 5	5 14 5 13 5 12 5 12 5 11
S 17 M18 T 19 W20 T 21 F 22 S 23	19 28 19 41	15 15 4 18 11 29 4 52 7 6 5 13	25 0 2 24 56 2 24 51 1 24 44 1 24 35 1	2 12 17 51 2 5 18 11 1 56 18 31 1 47 18 50 1 37 19 9	0 46 0 48 0 44 0 30 0 42 0 12 0 40 0n 6 0 38 0 24 0 36 0 42 0 34 1 0	1 30 1 31 1 31 1 31 1 31	18 29 18 27 18 25 18 24 18 22 18 21 18 19	1 9 1 8 1 8 1 8 1 8 1 8	3 18 3 20 3 22 3 24 3 27 3 29 3 31	2 13 2 13 2 13 2 13 2 13	20 53 20 52 20 52 20 51 20 51 20 50 20 50	0 33 0 33 0 33 0 33 0 33	14 36 1 14 36 1 14 35 1 14 35 1 14 34 1	48 1 48 1 48 1 48 1	19 54 10 5 19 55 10 5	7 21 44 8 21 44 8 21 44 8 21 44 9 21 44	21 51 21 51 21 50 21 50 21 49	20 51 20 52 20 52 20 53 20 53	3 38 5 3 39 5 3 39 5 3 39 5 3 40 5 3 40 5	5 8 5 7 5 7 5 6
S 24 M25 T 26 W27 T 28 F 29	20 41 20 52 21 3 21 13 21 23	2n48 5 5 7 55 4 34 12 44 3 45 16 54 2 40 20 2 1 22 21 45 0s 1	24 14 1 24 1 1 23 47 (23 32 (23 16 (22 59 (1 13 19 45 1 0 20 2 0 46 20 19 0 31 20 35 0 16 20 50 0s 0 21 5	0 31 1 18 0 29 1 35 0 27 1 53 0 25 2 11 0 22 2 28 0 20 2 46 0 18 3 4	1 31 1 31 1 31 1 32 1 32 1 32	18 17 18 16 18 14 18 12 18 11	1 8 1 8 1 8 1 8 1 7 1 7	3 33 3 35 3 37 3 39 3 41 3 43 3 45	2 14 2 14 2 14 2 14 2 14 2 15	20 49	0 33 0 33 0 33 0 33 0 33 0 33	14 34 1 14 33 1 14 33 1 14 32 1 14 32 1 14 31 1	48 1 48 1 48 1 48 1 48 1	19 56 10 5 19 56 11 19 56 11 19 56 11 19 56 11 19 57 11		21 48 21 48 21 47 21 47 21 46 21 46	20 54 20 55 20 56 20 56 20 57 20 57	3 40 5 3 40 5 3 40 5 3 40 5 3 40 5 3 40 5	5 4 5 3 5 2 5 2 5 1

Julian Day Number = 2557950.5, Delta T = 282.21 sec Ecliptic obliquity = $23^{\circ}24'02$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'44$, Lahiri = $27^{\circ}55'45$

JUNE 2291 00:00 UT

Day	Sid.t	0	D	ğ	Ф	ð	4	ħ)∤(#	Р	ß	Ω	Ç	ķ	Day
M 1	16 37 18	10 Ⅱ 29'34	23938	18°R33	10 Ⅲ 31	12 Y 49	25°R43	14 Y 58	29931	14°R42	4) 51	8°R47	8 ~ 51	0 ∡ 142	8 m 49	M 1
T 2	16 41 14	11°27'11	7 Ω 49	18 I 7	11°44	13°35	25 M 36	15° 3	29°34	14 M .41	4°51	8 ∡ 747	8°48	0°49	8°52	T 2
W 3	16 45 11	12°24'47	21°33	17°38	12°58	14°20	25°29	15° 8	29°37	14°39	4°51	8°47	8°45	0°55	8°54	W 3
T 4	16 49 7	13°22'22	4 Mp 52	17° 7	14°12	15° 5	25°22	15°14	29°40	14°38	4°51	8°47	8°42	1° 2	8°57	T 4
F 5	16 53 4	14°19'55	17°46	16°34	15°26	15°49	25°15	15°19	29°42	14°37	4°R51	8°D47	8°38	1° 9	9° 1	F 5
S 6	16 57 1	15°17'26	0 ჲ 19	16° 1	16°39	16°34	25° 8	15°24	29°45	14°35	4°51	8°47	8°35	1°15	9° 4	S 6
S 7	17 0 57	16°14'56	12°35	15°27	17°53	17°19	25° 2	15°28	29°48	14°34	4°51	8°47	8°32	1°22	9° 7	S 7
M 8	17 4 54	17°12'25	24°38	14°54	19° 7	18° 4	24°55	15°33	29°51	14°33	4°51	8°48	8°29	1°29	9°11	M 8
T 9	17 8 50	18° 9'53	6 M 33	14°21	20°21	18°49	24°48	15°38	29°54	14°31	4°51	8°49	8°26	1°35	9°14	T 9
W10	17 12 47	19° 7'20	18°22	13°50	21°34	19°33	24°42	15°43	29°57	14°30	4°51	8°50	8°23	1°42	9°18	W10
T 11	17 16 43	20° 4'46	0 ₮ 10	13°21	22°48	20°18	24°36	15°47	29°59	14°29	4°51	8°50	8°19	1°49	9°21	T 11
F 12	17 20 40	21° 2'10	11°58	12°54	24° 2	21° 3	24°29	15°52	0 Ω 3	14°28	4°51	8°R51	8°16	1°55	9°25	F 12
S 13	17 24 36	21°59'34	23°50	12°30	25°16	21°47	24°23	15°56	0° 6	14°26	4°51	8°50	8°13	2° 2	9°29	S 13
S 14	17 28 33	22°56'57	5 궁 47	12° 9	26°29	22°32	24°17	16° 1	0° 9	14°25	4°50	8°49	8°10	2° 9	9°33	S 14
M15	17 32 30	23°54'20	17°52	11°52	27°43	23°16	24°11	16° 5	0°12	14°24	4°50	8°47	8° 7	2°15	9°37	M15
T 16	17 36 26	24°51'41	0≈ 7	11°39	28°57	24° 1	24° 6	16° 9	0°15	14°23	4°50	8°45	8° 4	2°22	9°41	T 16
W17	17 40 23	25°49'02	12°33	11°29	०७०१।	24°45	24° 0	16°13	0°18	14°22	4°50	8°42	8° 0	2°29	9°46	W17
T 18	17 44 19	26°46'22	25°12	11°24	1°24	25°29	23°55	16°17	0°22	14°21	4°49	8°40	7°57	2°35	9°50	T 18
F 19	17 48 16	27°43'42	8) 8	11°D24	2°38	26°14	23°49	16°21	0°25	14°19	4°49	8°38	7°54	2°42	9°55	F 19
S 20	17 52 12	28°41'01	21°22	11°28	3°52	26°58	23°44	16°25	0°28	14°18	4°49	8°37	7°51	2°48	9°59	S 20
S 21	17 56 9	29°38'20	4 Ƴ 55	11°36	5° 5	27°42	23°39	16°29	0°31	14°17	4°48	8°D37	7°48	2°55	10° 4	S 21
M22	18 0 5	0935'39	18°49	11°49	6°19	28°26	23°34	16°33	0°35	14°16	4°48	8°38	7°44	3° 2	10° 9	M22
T 23	18 4 2	1°32'58	3 8 4	12° 7	7°33	29°10	23°29	16°36	0°38	14°15	4°47	8°39	7°41	3° 8	10°13	T 23
W24	18 7 59	2°30'16	17°39	12°29	8°47	29°54	23°25	16°40	0°41	14°14	4°47	8°41	7°38	3°15	10°18	W24
T 25	18 11 55	3°27'34	2 Ⅲ 28	12°56	10° 0	0 8 38	23°20	16°43	0°45	14°13	4°46	8°R42	7°35	3°22	10°23	T 25
F 26	18 15 52	4°24'52	17°26	13°27	11°14	1°21	23°16	16°47	0°48	14°13	4°46	8°41	7°32	3°28	10°28	F 26
S 27	18 19 48	5°22'09	2926	14° 3	12°28	2° 5	23°12	16°50	0°51	14°12	4°45	8°40	7°29	3°35	10°34	S 27
S 28	18 23 45	6°19'26	17°19	14°43	13°41	2°49	23° 8	16°53	0°55	14°11	4°45	8°37	7°25	3°42	10°39	S 28
M29	18 27 41	7°16'43	1 N 57	15°28	14°55	3°32	23° 4	16°56	0°58	14°10	4°44	8°34	7°22	3°48	10°44	M29
T 30	18 31 38	8913'59	16 Ω 13	16耳17	1695 9	4 8 16	23 m 1	16 Y 59	1 0 2	14 M 9	4) (44	8 ₮ 30	7 . ₹19	3 ₹ 55	10 m 50	T 30

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M 1 T 2	21n59 22 7		21 43 1	s52 21n46 0s13 9 21 59 0 11	3n39 1s32 3 56 1 32	18s 5 1n 7 18 3 1 7		20n45 0n33 20 44 0 33	14s30 1n48 14 30 1 48		21 s44 21 s4 21 44 21 4		3n39 4s58 3 39 4 57
W 3	22 15 22 22	4 47 5 17	21 3 1	27 22 11 0 8 44 22 22 0 6	4 14 1 32 4 31 1 32	18 0 1 6	3 54 2 16	20 43 0 33	14 30 1 48 14 29 1 48	19 58 11 3	21 44 21 4	13 21 0	3 38 4 55
F 5 S 6	22 29 22 35			1 22 33 0 3 18 22 43 0 1	4 48 1 32 5 5 1 32				14 29 1 48 14 28 1 48		21 44 21 4 21 44 21 4		3 37 4 54 3 37 4 54
S 7 M 8 T 9	22 41 22 47 22 52	9 1 4 24 12 58 3 42 16 21 2 50		34 22 52 0n 1 49 23 1 0 4 3 23 9 0 6	5 22 1 32 5 39 1 32 5 56 1 32		4 1 2 17	20 41 0 33	14 28 1 48 14 28 1 48 14 27 1 48	19 59 11 4	21 44 21 4 21 44 21 4 21 44 21 4	11 21 2	3 37 4 53 3 36 4 52 3 35 4 51
W10 T 11	22 57	19 3 1 51	19 10 3 18 55 3	16 23 16 0 8 28 23 23 0 11	6 13 1 32 6 30 1 32	17 51 1 5 17 50 1 5	4 4 2 17	20 39 0 33	14 27 1 48 14 27 1 48	20 0 11 5 20 0 11 5	21 44 21 4 21 44 21 3	10 21 3 39 21 4	3 35 4 51 3 34 4 50
F 12 S 13			-	39 23 29 0 13 49 23 34 0 16		17 49 1 5 17 47 1 5			14 26 1 47 14 26 1 47		21 44 21 21 44 21		3 33 4 49 3 33 4 48
S 14 M15 T 16	-	20 53 2 24 18 55 3 20 16 4 4 7	18 8 4	57 23 39 0 18 4 23 43 0 20 10 23 46 0 23	7 20 1 31 7 37 1 31 7 53 1 31	17 46 1 5 17 45 1 4 17 44 1 4	4 11 2 18	20 36 0 32	14 26 1 47 14 25 1 47 14 25 1 47	20 2 11 7	21 44 21 21 21 44 21 21 43 21 43 21	37 21 6	3 32 4 48 3 31 4 47 3 30 4 46
W17	23 20 23 22	12 28 4 44	17 55 4	10 23 46 0 23 14 23 49 0 25 17 23 51 0 27	8 9 1 31 8 26 1 31	17 43 1 4	4 14 2 19	20 35 0 32	14 25 1 47 14 25 1 47 14 24 1 47	20 3 11 7	21 43 21 21 43 21 21 43 21 21 43 21 21 43 21 21 43 21 21 21 21 21 21 21 21 21 21 21 21 21	36 21 7	3 29 4 45 3 28 4 45
F 19 S 20	23 23 23 24			19 23 52 0 29 20 23 52 0 32	8 42 1 31 8 58 1 31				14 24 1 47 14 24 1 47		21 42 21 2 21 42 21		3 27 4 44 3 26 4 43
S 21 M22 T 23	23 24 23 24 23 23	11 5 4 1	17 55 4	19 23 52 0 34 18 23 51 0 36 15 23 49 0 38	9 30 1 30	17 38 1 3 17 37 1 3 17 36 1 3	4 20 2 20	20 31 0 32	14 24 1 47 14 23 1 47 14 23 1 47	20 5 11 9	21 42 21 21 21 42 21 21 43 21 21 43 21 21 21 21 21 21 21 21 21 21 21 21 21	34 21 9	-
W24 T 25	23 23	18 53 1 53		11 23 47 0 40 6 23 44 0 43	10 1 1 30	17 35 1 2 17 34 1 2	4 23 2 20	20 30 0 32	14 23 1 47 14 23 1 47 14 23 1 47	20 6 11 9 20 6 11 10	21 43 21 2 21 43 21	33 21 10 32 21 10	3 22 4 40 3 21 4 40
F 26 S 27	23 20 23 17		18 24 4 7 18 34 3			17 34 1 2 17 33 1 2			14 22 1 47 14 22 1 47		21 43 21 2 21 43 21		3 19 4 39 3 18 4 38
S 28 M29 T 30	23 15 23 12 23n 9	15 36 4 12	18 59 3		11 17 1 29	17 32 1 2 17 31 1 1 17 s31 1 n 1	4 28 2 22	20 26 0 32	14 22 1 47 14 22 1 47 14 s22 1 n47		21 42 21 21 21 s41 21 s41 21 s	30 21 12	3 17 4 37 3 15 4 37 3n14 4s36

 $\label{eq:Julian Day Number = 2557981.5, Delta T = 282.35 sec} \\ Ecliptic obliquity = 23°24'01, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 28°48'49, Lahiri = 27°55'49 \\$

JULY 2291 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	n	Ω	Ç	ķ	Day
W 1	18 35 35	99511'14	0 m 3	17 I 9	179523	4 8 59	22°R57	17 Υ 2	1Ω 5	14°R 8	4°R43	8°R25	7 ₹ 16	4 × 7 2	10 m 55	W 1
T 2	18 39 31	10° 8'29	13°27	18° 6	18°36	5°43	22 M .54	17° 5	1° 9	14 M 8	4) (42	8 ∡ 122	7°13	4° 8	11° 1	T 2
F 3	18 43 28	11° 5'44	26°25	19° 7	19°50	6°26	22°51	17° 8	1°12	14° 7	4°42	8°20	7°10	4°15	11° 6	F 3
S 4	18 47 24	12° 2'57	9 ত 0	20°13	21° 4	7° 9	22°48	17°10	1°16	14° 6	4°41	8°D19	7° 6	4°22	11°12	S 4
S 5	18 51 21	13° 0'11	21°16	21°22	22°17	7°52	22°45	17°13	1°19	14° 6	4°40	8°19	7° 3	4°28	11°18	S 5
M 6	18 55 17	13°57'24	3 m 17	22°34	23°31	8°35	22°42	17°15	1°23	14° 5	4°40	8°20	7° 0	4°35	11°24	M 6
T 7	18 59 14	14°54'36	15°10	23°51	24°45	9°18	22°40	17°18	1°26	14° 4	4°39	8°22	6°57	4°41	11°30	T 7
W 8	19 3 10	15°51'49	26°57	25°12	25°58	10° 1	22°38	17°20	1°30	14° 4	4°38	8°23	6°54	4°48	11°36	W 8
T 9	19 7 7	16°49'01	8 ∡ 745	26°36	27°12	10°44	22°36	17°22	1°33	14° 3	4°38	8°R24	6°50	4°55	11°42	T 9
F 10	19 11 4	17°46'13	20°36	28° 4	28°26	11°27	22°34	17°24	1°37	14° 3	4°37	8°23	6°47	5° 1	11°48	F 10
S 11	19 15 0	18°43'24	2 궁 35	29°36	29°39	12° 9	22°32	17°26	1°40	14° 2	4°36	8°20	6°44	5° 8	11°54	S 11
S 12	19 18 57	19°40'36	14°42	19911	0 £ 53	12°52	22°30	17°28	1°44	14° 2	4°35	8°16	6°41	5°15	12° 1	S 12
M13	19 22 53	20°37'48	27° 0	2°50	2° 7	13°34	22°29	17°30	1°48	14° 1	4°34	8°10	6°38	5°21	12° 7	M13
T 14	19 26 50	21°35'00	9 ≈ 30	4°32	3°20	14°17	22°28	17°31	1°51	14° 1	4°33	8° 3	6°35	5°28	12°13	T 14
W15	19 30 46	22°32'12	22°13	6°18	4°34	14°59	22°27	17°33	1°55	14° 0	4°32	7°55	6°31	5°35	12°20	W15
T 16	19 34 43	23°29'24	5 米 9	8° 6	5°48	15°41	22°26	17°35	1°59	14° 0	4°32	7°48	6°28	5°41	12°27	T 16
F 17	19 38 39	24°26'36	18°18	9°58	7° 1	16°23	22°25	17°36	2° 2	14° 0	4°31	7°42	6°25	5°48	12°33	F 17
S 18	19 42 36	25°23'49	1 Y 40	11°53	8°15	17° 5	22°25	17°37	2° 6	14° 0	4°30	7°37	6°22	5°55	12°40	S 18
S 19	19 46 33	26°21'03	15°16	13°50	9°29	17°47	22°25	17°38	2°10	13°59	4°29	7°35	6°19	6° 1	12°47	S 19
M20	19 50 29	27°18'17	29° 6	15°49	10°42	18°29	22°D25	17°39	2°13	13°59	4°28	7°D34	6°16	6° 8	12°54	M20
T 21	19 54 26	28°15'32	13 8 10	17°51	11°56	19°11	22°25	17°40	2°17	13°59	4°27	7°35	6°12	6°14	13° 0	T 21
W22	19 58 22	29°12'47	27°27	19°54	13° 9	19°52	22°25	17°41	2°21	13°59	4°26	7°36	6° 9	6°21	13° 7	W22
T 23	20 2 19	0Ω10'04	11 II 56	21°59	14°23	20°34	22°25	17°42	2°24	13°59	4°25	7°R36	6° 6	6°28	13°14	T 23
F 24	20 6 15	1° 7'21	26°33	24° 5	15°37	21°15	22°26	17°43	2°28	13°59	4°24	7°35	6° 3	6°34	13°21	F 24
S 25	20 10 12	2° 4'38	119513	26°12	16°50	21°56	22°27	17°43	2°32	13°59	4°23	7°31	6° 0	6°41	13°29	S 25
S 26	20 14 8	3° 1'56	25°50	28°20	18° 4	22°38	22°28	17°44	2°35	13°D59	4°22	7°25	5°56	6°48	13°36	S 26
M27	20 18 5	3°59'15	10 Ω 16	0 Ω 28	19°18	23°19	22°29	17°44	2°39	13°59	4°21	7°17	5°53	6°54	13°43	M27
T 28	20 22 2	4°56'34	24°25	2°36	20°31	24° 0	22°30	17°44	2°43	13°59	4°20	7° 8	5°50	7° 1	13°50	T 28
W29	20 25 58	5°53'53	8 Mp 13	4°43	21°45	24°40	22°32	17°45	2°46	13°59	4°18	6°59	5°47	7° 8	13°58	W29
T 30	20 29 55	6°51'13	21°36	6°50	22°59	25°21	22°34	17°R45	2°50	13°59	4°17	6°51	5°44	7°14	14° 5	T 30
F 31	20 33 51	7 Ω 48'33	4 Ω 35	8 Ω 57	24 Ω 12	26 8 2	22M36	17 Y 44	2Ω 54	13 M 59	4) 16	6 才 44	5 ₹ 141	7 .₹ 21	14 Mp 12	F 31

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S 4 S 5 M 6 T 7 W 8	_	11 50 3 50 15 25 3 0 18 20 2 4	20 28 2 2 20 44 2	2 39 22 35 1 2 2 27 22 24 1 4 2 15 22 13 1 6	12 30 1 27 12 44 1 27 12 59 1 27 13 12 1 26 13 26 1 26	17 28 1 0 17 27 1 0 17 27 0 59	4 33 2 23 4 33 2 24 4 34 2 24		14 21 1 46	20 11 11 13 20 12 11 13 20 12 11 13	21 39 21 21 40 21 21 40 21	27 21 14 27 21 14 26 21 14	3 5 4 32 3 3 4 32
T 9 F 10 S 11 S 12	_	21 58 1 6 21 15 2 8	5 21 45 1 3 21 59 1	1 51 21 49 1 9 1 38 21 35 1 10 1 25 21 22 1 12	13 40 1 25 13 53 1 25 14 7 1 25 14 20 1 24	17 26 0 59 17 26 0 58	4 36 2 25	20 18 0 32 20 17 0 32	14 20 1 46	20 13 11 14 20 14 11 14 20 14 11 14 20 15 11 14	21 40 21 21 40 21	24 21 15 24 21 16	2 58 4 30 2 56 4 29
M13 T 14 W15 T 16 F 17 S 18	21 49 21 40 21 31 21 22 21 12 21 1	13 29 4 31 9 23 4 53 4 49 5 8 0n 2 5 3	7 22 41 0 8 22 47 0 8 22 52 0	0 47 20 37 1 16 0 35 20 20 1 17 0 22 20 4 1 19 0 10 19 46 1 20	14 33 1 24 14 46 1 23 14 59 1 23 15 12 1 22 15 24 1 22 15 36 1 21	17 26 0 58 17 26 0 57 17 26 0 57 17 26 0 57	4 38 2 26 4 38 2 26 4 38 2 27	20 14 0 32 20 14 0 32 20 13 0 32 20 12 0 32	14 20 1 46 14 20 1 46 14 20 1 46 14 20 1 46	20 17 11 15 20 17 11 15	21 37 21 21 36 21 21 34 21 21 33 21	22 21 17 22 21 17 21 21 17 21 21 18	2 51 4 27 2 49 4 27 2 47 4 26 2 45 4 25
S 19 M20 T 21 W22 T 23 F 24 S 25	20 51 20 40 20 29 20 17 20 5	9 46 4 5 14 8 3 12 17 48 2 8 20 27 0 5 21 48 0 s 21 41 1 40	5 22 54 0 2 22 52 0 8 22 47 0 4 22 40 0 8 22 30 0 0 22 17 1	0 13 19 10 1 22 0 24 18 51 1 23 0 35 18 32 1 24 0 45 18 12 1 25 0 54 17 51 1 25 1 3 17 30 1 26	15 49 1 21 16 1 1 20 16 12 1 20 16 24 1 19 16 36 1 19 16 47 1 18	17 26 0 56 17 26 0 56	4 39 2 27 4 39 2 28 4 39 2 28 4 39 2 28 4 39 2 28	20 10 0 32 20 9 0 32 20 9 0 32 20 8 0 32 20 7 0 32 20 6 0 32	14 20 1 46 14 20 1 46 14 20 1 46 14 20 1 46 14 20 1 45 14 20 1 45	20 19 11 16 20 19 11 16 20 20 11 17 20 21 11 17	21 32 21 21 32 21 21 32 21 21 33 21 21 33 21 21 32 21	20 21 18 19 21 18 19 21 19 18 21 19 17 21 19 17 21 19	2 41 4 24 2 39 4 24 2 37 4 23 2 34 4 23 2 32 4 22 2 30 4 22
S 26 M27 T 28 W29 T 30 F 31		13 16 4 32 8 40 4 58 3 45 5 5 1 s12 4 55	2 21 23 1 3 21 0 1 5 20 35 1 5 20 7 1	1 24 16 24 1 28 1 29 16 2 1 29 1 34 15 38 1 29 1 38 15 15 1 29	17 20 1 17 17 31 1 16 17 41 1 15 17 52 1 15	17 28 0 55 17 29 0 54 17 30 0 54 17 30 0 54 17 31 0 54 17 32 0n53	4 39 2 29 4 39 2 29 4 39 2 30 4 38 2 30 4 38 2 30 4n38 2s31	20 4 0 32 20 3 0 32 20 2 0 32 20 1 0 32	14 20 1 45 14 20 1 45 14 20 1 45	20 25 11 18 20 25 11 18	21 29 21 21 28 21 21 26 21 21 25 21	15 21 20 15 21 20 14 21 21 14 21 21	2 23 4 20

Julian Day Number = 2558011.5, Delta T = 282.49 sec Ecliptic obliquity = 23°24'01, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'53$, Lahiri = $27^{\circ}55'53$

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S 1	20 37 48	8 Ω 45'54	17 £ 11	110 2	25 N 26	26842	22 M 38	17°R44	2 N 57	13 M 59	4°R15	6°R40	5 ,₹ 37	7 , ₹28	14 m 20	S 1
S 2	20 41 44	9°43'15	29°28	13° 6	26°39	27°23	22°40	17 Y 44	3° 1	13°59	4) € 14	6 ₹ 37	5°34	7°34	14°27	S 2
M 3	20 45 41	10°40'37	11 M 30	15°10	27°53	28° 3	22°42	17°44	3° 5	13°59	4°13	6°D37	5°31	7°41	14°35	M 3
T 4	20 49 37	11°37'59	23°22	17°11	29° 7	28°43	22°45	17°43	3° 8	14° 0	4°12	6°37	5°28	7°47	14°43	T 4
W 5	20 53 34	12°35'22	5 ₹ 10	19°12	0 m 20	29°23	22°48	17°43	3°12	14° 0	4°10	6°R38	5°25	7°54	14°50	W 5
T 6	20 57 31	13°32'45	17° 0	21°11	1°34	0 I I 3	22°51	17°42	3°16	14° 0	4° 9	6°37	5°21	8° 1	14°58	T 6
F 7	21 1 27	14°30'09	28°55	23° 8	2°47	0°42	22°54	17°41	3°19	14° 1	4° 8	6°35	5°18	8° 7	15° 6	F 7
S 8	21 5 24	15°27'34	10 る 59	25° 4	4° 1	1°22	22°57	17°40	3°23	14° 1	4° 7	6°30	5°15	8°14	15°14	S 8
S 9	21 9 20	16°24'59	23°17	26°59	5°14	2° 1	23° 0	17°39	3°26	14° 2	4° 6	6°23	5°12	8°21	15°21	S 9
M10	21 13 17	17°22'25	5≈50	28°52	6°28	2°41	23° 4	17°38	3°30	14° 2	4° 4	6°13	5° 9	8°27	15°29	M10
T 11	21 17 13	18°19'52	18°38	0 m 43	7°41	3°20	23° 8	17°37	3°34	14° 3	4° 3	6° 2	5° 6	8°34	15°37	T 11
W12	21 21 10	19°17'20	1) (42	2°33	8°55	3°59	23°12	17°36	3°37	14° 3	4° 2	5°50	5° 2	8°41	15°45	W12
T 13	21 25 6	20°14'49	15° 0	4°21	10° 8	4°38	23°16	17°35	3°41	14° 4	4° 1	5°39	4°59	8°47	15°53	T 13
F 14	21 29 3	21°12'19	28°30	6° 7	11°22	5°17	23°20	17°33	3°44	14° 4	3°59	5°29	4°56	8°54	16° 1	F 14
S 15	21 33 0	22° 9'50	12 Y 10	7°52	12°35	5°55	23°25	17°31	3°48	14° 5	3°58	5°22	4°53	9° 1	16° 9	S 15
S 16	21 36 56	23° 7'23	25°59	9°36	13°49	6°34	23°29	17°30	3°51	14° 5	3°57	5°17	4°50	9° 7	16°17	S 16
M17	21 40 53	24° 4'57	9 8 55	11°17	15° 2	7°12	23°34	17°28	3°55	14° 6	3°56	5°15	4°47	9°14	16°25	M17
T 18	21 44 49	25° 2'33	23°57	12°58	16°16	7°51	23°39	17°26	3°58	14° 7	3°54	5°D14	4°43	9°21	16°34	T 18
W19	21 48 46	26° 0'10	8 I I 4	14°37	17°29	8°29	23°44	17°24	4° 2	14° 8	3°53	5°R14	4°40	9°27	16°42	W19
T 20	21 52 42	26°57'49	22°17	16°14	18°43	9° 6	23°49	17°22	4° 5	14° 8	3°52	5°14	4°37	9°34	16°50	T 20
F 21	21 56 39	27°55'29	6932	17°50	19°56	9°44	23°55	17°20	4° 9	14° 9	3°50	5°11	4°34	9°40	16°58	F 21
S 22	22 0 35	28°53'11	20°47	19°24	21° 9	10°22	24° 0	17°18	4°12	14°10	3°49	5° 6	4°31	9°47	17° 6	S 22
S 23	22 4 32	29°50'54	4 Ω 59	20°57	22°23	10°59	24° 6	17°16	4°16	14°11	3°48	4°58	4°27	9°54	17°15	S 23
M24	22 8 29	0 m 48'38	19° 3	22°29	23°36	11°36	24°12	17°13	4°19	14°12	3°47	4°47	4°24	10° 0	17°23	M24
T 25	22 12 25	1°46'24	2 m 54	23°59	24°50	12°13	24°18	17°11	4°22	14°13	3°45	4°35	4°21	10° 7	17°31	T 25
W26	22 16 22	2°44'11	16°29	25°27	26° 3	12°50	24°24	17° 8	4°26	14°14	3°44	4°23	4°18	10°14	17°40	W26
T 27	22 20 18	3°42'00	29°43	26°54	27°16	13°27	24°30	17° 5	4°29	14°15	3°43	4°12	4°15	10°20	17°48	T 27
F 28	22 24 15	4°39'50	12 ₽ 36	28°19	28°30	14° 4	24°36	17° 3	4°32	14°16	3°41	4° 2	4°12	10°27	17°57	F 28
S 29	22 28 11	5°37'41	25° 9	29°43	29°43	14°40	24°43	17° 0	4°36	14°17	3°40	3°55	4° 8	10°34	18° 5	S 29
S 30	22 32 8	6°35'33	7 M 24	1 º 5	0 ჲ 56	15°16	24°50	16°57	4°39	14°18	3°39	3°51	4° 5	10°40	18°13	S 30
M31	22 36 4	7 m 33'27	19 M 25	2 ≏ 26	2 ₽ 10	15 Ⅱ 52	24M57	16 Y 54	4 Ω 42	14 M .19	3 ∺ 37	3 , 749	4 才 2	10 ∡ 47	18 m /22	M31

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S 1	18n 2	10s19 3s	s53 19n	6 1n44	14n26	1n30	18n12	1 s 1 3	17 s32	0n53	4n38	2 s 3 1	20n 0	0n32	14 s20	1n45	20 s26	11 s19	21 s23	21 s12	21 s21	2n12	4 s 1 7
S 2	17 47	14 9 3	5 18 3	2 1 45	14 1	1 30	18 22	1 13	17 33	0 53	4 37	2 31	19 59	0 32	14 20	1 45	20 27	11 19	21 23	21 12	21 22	2 9	4 17
M 3	17 32		10 17 5				18 31		17 34	0 53	4 37	2 31									21 22	2 7	4 16
T 4 W 5	17 16	-	10 17 2				18 41	1 11	17 35	0 53	4 36										21 22	2 4	4 16
T 6	17 0 16 44			3 1 46 4 1 45			18 50 18 59	1 11	17 36 17 37	0 52 0 52	4 36 4 35										21 22 21 22	2 2 1 59	4 16 4 15
F 7	-	-	56 15 2				19 8		17 38	0 52	4 35		19 55		14 21		20 30				21 23	1 57	4 15
S 8	16 10	20 5 2	52 14 4	4 1 41	11 25	1 30	19 17	1 8	17 39	0 52	4 34	2 33	19 54	0 33	14 21	1 45	20 31	11 20	21 22	21 9	21 23	1 54	4 14
S 9	15 53	17 45 3	41 14	1 38	10 58	1 29	19 26	1 8	17 40	0 51	4 34	2 33	19 53	0 33	14 22	1 44	20 31	11 20	21 20	21 8	21 23	1 52	4 14
M10	15 36	-	21 13 2				19 34		17 41	0 51	4 33				14 22		20 32				21 23	1 49	4 13
T 11	15 19		48 12 3			-	19 42			0 51	4 32		19 51		14 22		20 32				21 23	1 46	4 13
W12 T 13	15 1 14 43	6 10 5 1 19 4	1 11 5				19 50 19 58	1 5 1 5		0 51 0 50	4 32 4 31		19 50 19 50		14 22 14 22		20 33 20 33				21 23 21 24	1 44 1 41	4 12 4 12
F 14	14 25		38 10 2				20 6		17 46	0 50	4 30		19 49		14 22		20 33				21 24	1 38	4 12
S 15	14 6		2 9 4				20 14	1 3	17 47	0 50	4 29	2 35	19 48		14 23		20 35				21 24	1 36	
S 16	13 47	13 0 3	12 8 5	8 1 5	7 40	1 25	20 21	1 2	17 49	0 50	4 28	2 35	19 47	0 33	14 23	1 44	20 35	11 21	21 9	21 4	21 24	1 33	4 11
M17	-		10 8 1				20 28	1 1	17 50	0 49	4 27				14 23		20 36			-	21 24	1 30	4 10
T 18	13 9		59 7 2			-	20 35		17 52	0 49	4 26		19 46				20 36				21 24	1 27	4 10
W19 T 20			s15 6 4 29 6	5 0 46 1 0 39			20 42 20 49		17 53 17 55	0 49 0 49	4 26 4 25		19 45 19 44				20 37 20 37				21 24 21 25	1 24 1 22	4 10 4 9
F 21			38 5 1				20 55		17 56	0 49	4 23		19 43		14 24		20 38				21 25	1 19	4 9
S 22	11 51	18 14 3	36 4 3	0 24	4 42	1 19	21 2	0 57	17 58	0 48	4 22	2 36	19 42	0 33	14 25	1 44	20 39	11 22	21 7	21 0	21 25	1 16	4 9
S 23	11 30	14 46 4	21 3 4	0 16	4 12	1 18	21 8	0 56	17 59	0 48	4 21	2 37	19 42	0 33	14 25	1 44	20 39	11 22	21 5	21 0	21 25	1 13	4 8
M24	11 10			6 0 8	_	-	21 14			0 48	4 20			0 33	-		20 40				21 25	1 10	4 8
T 25	10 50		0 2 2			1 15	-	0 54	18 3	0 48	4 19		19 40		-		20 40				21 25	1 7	4 7
W26 T 27	10 29 10 8		54 1 4 32 0 5			1 13	21 26	0 53 0 52		0 47 0 47	4 18 4 17		19 39 19 38		-						21 25 21 25	1 4	4 /
F 28	9 47	-	56 0 1				21 36	0 51	18 8	0 47	4 15		19 38		14 27						21 25	0 58	4 6
S 29	9 26	12 39 3	10 0 s2	0 35	1 9	1 8	21 42	0 50	18 10	0 47	4 14	2 38	19 37	0 33	14 27	1 43	20 42	11 22	20 54	20 56	21 25	0 56	4 6
S 30	9 5	16 5 2	15 1	0 44	0 39	1 7	21 47	0 49	18 11	0 47	4 13	2 38	19 36	0 33	14 27	1 43	20 43	11 22	20 53	20 56	21 25	0 53	4 6
M31	8n43	18 s46 1 s	s16 1s4	6 0s53	0n 8	1n 5	21n52	0 s48	18s13	0n46	4n11	2 s38	19n35	0n33	14 s28	1n43	20 s43	11 s22	20 s53	20 s55	21 s26	0n50	4 s 5

Julian Day Number = 2558042.5, Delta T = 282.63 sec Ecliptic obliquity = 23°24'01, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}48'57$, Lahiri = $27^{\circ}55'58$

SEPTEMBER 2291 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ţ(卉	Р	u	u	Ç	, k	Day
T 1	22 40 1	8 mg 31'22	1 √ 18	3 ≏ 45	3 ჲ 23	16 Ⅲ 28	25M 4	16°R51	4 Ω 45	14ML20	3°R36	3°R49	3 ₹ 59	10 ∡ 754	18 m /30	T 1
W 2	22 43 57	9°29'18	13° 6	5° 2	4°36	17° 3	25°11	16 Y 48	4°49	14°21	3) 35	3 ∡ 749	3°56	11° 0	18°39	W 2
T 3	22 47 54	10°27'15	24°56	6°18	5°50	17°39	25°18	16°44	4°52	14°22	3°34	3°48	3°53	11° 7	18°47	T 3
F 4	22 51 51	11°25'14	6 궁 53	7°32	7° 3	18°14	25°25	16°41	4°55	14°24	3°32	3°46	3°49	11°13	18°56	F 4
S 5	22 55 47	12°23'14	19° 2	8°43	8°16	18°49	25°33	16°38	4°58	14°25	3°31	3°41	3°46	11°20	19° 4	S 5
S 6	22 59 44	13°21'16	1≈27	9°53	9°29	19°23	25°40	16°34	5° 1	14°26	3°30	3°34	3°43	11°27	19°13	S 6
M 7	23 3 40	14°19'18	14°11	11° 1	10°42	19°58	25°48	16°31	5° 4	14°27	3°28	3°25	3°40	11°33	19°21	M 7
T 8	23 7 37	15°17'23	27°15	12° 7	11°56	20°32	25°56	16°27	5° 7	14°29	3°27	3°13	3°37	11°40	19°30	T 8
W 9	23 11 33	16°15'29	10 ∺ 39	13°10	13° 9	21° 6	26° 4	16°23	5°10	14°30	3°26	3° 1	3°33	11°47	19°39	W 9
T 10	23 15 30	17°13'36	24°20	14°11	14°22	21°40	26°12	16°20	5°13	14°32	3°25	2°50	3°30	11°53	19°47	T 10
F 11	23 19 26	18°11'45	8 Υ 15	15° 9	15°35	22°14	26°21	16°16	5°16	14°33	3°23	2°40	3°27	12° 0	19°56	F 11
S 12	23 23 23	19° 9'56	22°20	16° 5	16°48	22°47	26°29	16°12	5°19	14°34	3°22	2°32	3°24	12° 7	20° 4	S 12
S 13	23 27 20	20° 8'09	6 8 31	16°58	18° 1	23°21	26°38	16° 8	5°22	14°36	3°21	2°27	3°21	12°13	20°13	S 13
M14	23 31 16	21° 6'24	20°43	17°47	19°14	23°54	26°46	16° 4	5°25	14°37	3°20	2°25	3°18	12°20	20°21	M14
T 15	23 35 13	22° 4'42	4 Ⅱ 55	18°34	20°27	24°26	26°55	16° 0	5°28	14°39	3°18	2°D24	3°14	12°27	20°30	T 15
W16	23 39 9	23° 3'01	19° 4	19°17	21°40	24°59	27° 4	15°56	5°30	14°40	3°17	2°R25	3°11	12°33	20°39	W16
T 17	23 43 6	24° 1'22	395 9	19°56	22°53	25°31	27°13	15°52	5°33	14°42	3°16	2°25	3° 8	12°40	20°47	T 17
F 18	23 47 2	24°59'46	17°10	20°31	24° 6	26° 3	27°22	15°47	5°36	14°43	3°15	2°23	3° 5	12°47	20°56	F 18
S 19	23 50 59	25°58'11	1 0 5	21° 2	25°19	26°35	27°31	15°43	5°38	14°45	3°14	2°18	3° 2	12°53	21° 4	S 19
S 20	23 54 55	26°56'39	14°52	21°28	26°32	27° 6	27°40	15°39	5°41	14°47	3°12	2°12	2°59	13° 0	21°13	S 20
M21	23 58 52	27°55'09	28°31	21°49	27°45	27°37	27°50	15°35	5°44	14°48	3°11	2° 2	2°55	13° 6	21°21	M21
T 22	0 2 49	28°53'40	11 m) 57	22° 5	28°58	28° 8	27°59	15°30	5°46	14°50	3°10	1°52	2°52	13°13	21°30	T 22
W23	0 6 45	29°52'14	25°10	22°15	0 M .11	28°39	28° 9	15°26	5°49	14°52	3° 9	1°41	2°49	13°20	21°38	W23
T 24	0 10 42	0 ≙ 50'50	8 쇼 7	22°R19	1°24	29° 9	28°19	15°21	5°51	14°53	3° 8	1°31	2°46	13°26	21°47	T 24
F 25	0 14 38	1°49'27	20°48	22°16	2°37	29°39	28°28	15°17	5°54	14°55	3° 7	1°23	2°43	13°33	21°56	F 25
S 26	0 18 35	2°48'06	3 M .12	22° 7	3°50	099 9	28°38	15°12	5°56	14°57	3° 6	1°16	2°39	13°40	22° 4	S 26
S 27	0 22 31	3°46'47	15°22	21°51	5° 2	0°38	28°48	15° 8	5°58	14°59	3° 5	1°13	2°36	13°46	22°13	S 27
M28	0 26 28	4°45'30	27°21	21°27	6°15	1° 7	28°59	15° 3	6° 1	15° 0	3° 4	1°D11	2°33	13°53	22°21	M28
T 29	0 30 24	5°44'15	9 ₹ 12	20°57	7°28	1°36	29° 9	14°58	6° 3	15° 2	3° 2	1°12	2°30	14° 0	22°29	T 29
W30	0 34 21	6 ₽ 43'01	20 х 59	20 ≏ 19	8 M .41	295 4	29MJ19	14 Y 54	6Ω 5	15 M 4	3 ∺ 1	1 ₹ 13	2 ~ 27	14 ₹ 6	22 m 38	W30

Day	0	D	ğ	·	ď	4	ħ)Å(并	Р	n	ນ €	, k
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1	8n22	20s36 0s13	2 s26 1 s 2	2 0s23 1n 3	21n56 0s47	18s15 0n46	4n10 2s39	19n35 0n33	14s28 1n43	20 s44 11 s22	20 s53 2	0 s55 21 s26	0n47 4s 5
W 2	8 0	21 31 0n49	3 5 1 1	1 0 54 1 1	22 1 0 46	18 17 0 46	4 9 2 39	19 34 0 33	14 29 1 43	20 44 11 22	20 53 2	54 21 26	0 44 4 5
T 3	7 38	21 29 1 50	3 43 1 20	0 1 24 0 59	22 5 0 45	18 19 0 46	4 7 2 39	19 33 0 33	14 29 1 43	20 45 11 22	20 53 2	53 21 26	0 40 4 5
F 4	7 16	20 28 2 46	4 21 1 29	9 1 55 0 57	22 10 0 43	18 21 0 46	4 6 2 39	19 32 0 33	14 29 1 43	20 45 11 22	20 52 2	53 21 26	0 37 4 4
S 5	6 54	18 30 3 35	4 57 1 38	8 2 26 0 55	22 14 0 42	18 23 0 45	4 4 2 39	19 32 0 33	14 30 1 43	20 46 11 22	20 51 2	52 21 26	0 34 4 4
S 6	6 32	15 38 4 16	5 33 1 47	7 2 57 0 53	22 18 0 41	18 25 0 45	4 3 2 39	19 31 0 33	14 30 1 43	20 46 11 22	20 50 20	52 21 26	0 31 4 4
M 7	6 10	12 0 4 45	6 8 1 50	5 3 27 0 51	22 21 0 40	18 27 0 45	4 1 2 40	19 30 0 33	14 31 1 43	20 47 11 22	20 48 2	0 51 21 26	0 28 4 3
T 8	5 47	7 42 5 (6 42 2 3			18 29 0 45	4 0 2 40	19 29 0 33		20 47 11 22			1 1
W 9	5 25	2 57 4 59				18 31 0 45		19 29 0 33	-	20 48 11 22			
T 10	5 2	2n 3 4 4				18 33 0 44			14 32 1 43				
F 11	4 40					18 35 0 44			14 32 1 43				
S 12	4 17	11 42 3 16	8 47 2 40	0 6 0 0 39	22 38 0 34	18 37 0 44	3 53 2 41	19 27 0 33	14 33 1 43	20 49 11 22	20 38 2	0 48 21 26	0 13 4 2
S 13	3 54	15 46 2 13	9 15 2 49	9 6 30 0 36	22 41 0 33	18 40 0 44	3 52 2 41	19 26 0 33	14 33 1 43	20 50 11 22	20 37 2	21 26	0 10 4 2
M14	3 31	18 54 1 2	9 41 2 5	7 7 0 0 34	22 44 0 31	18 42 0 44	3 50 2 41	19 25 0 33	14 34 1 43	20 50 11 22	20 37 2	21 26	0 6 4 2
T 15	3 8	20 52 0s13	10 6 3	5 7 30 0 31	22 47 0 30	18 44 0 43	3 48 2 41	19 25 0 33	14 34 1 43	20 50 11 22	20 37 2	0 46 21 26	0 3 4 2
W16	2 45	21 30 1 27	10 30 3 12	2 8 0 0 28	22 49 0 29	18 46 0 43	3 47 2 41	19 24 0 33	14 35 1 42	20 51 11 22	20 37 2	0 46 21 26	0 0 4 1
T 17	2 22	20 46 2 36	5 10 51 3 19	8 29 0 26	22 52 0 28	18 48 0 43	3 45 2 41	19 23 0 33	14 35 1 42	20 51 11 22	20 37 2	21 26	0s 3 4 1
F 18	1 59	18 45 3 35	11 11 3 20	6 8 59 0 23	22 54 0 26	18 51 0 43	3 43 2 41	19 23 0 33	14 36 1 42	20 52 11 22	20 36 2	21 26	0 6 4 1
S 19	1 36	15 39 4 20	11 28 3 32	2 9 28 0 20	22 56 0 25	18 53 0 43	3 41 2 42	19 22 0 33	14 36 1 42	20 52 11 22	20 35 2	21 26	0 9 4 1
S 20	1 13	11 43 4 50	11 43 3 38	8 9 57 0 18	22 59 0 24	18 55 0 42	3 40 2 42	19 22 0 33	14 37 1 42	20 52 11 22	20 34 2	0 43 21 26	0 12 4 0
M21	0 50	7 14 5 3	11 56 3 43	3 10 26 0 15	23 1 0 22	18 57 0 42	3 38 2 42	19 21 0 33	14 37 1 42	20 53 11 22	20 32 2	0 43 21 26	0 16 4 0
T 22	0 26	2 27 4 59	12 6 3 48	8 10 54 0 12	23 3 0 21	19 0 0 42	3 36 2 42	19 20 0 33	14 38 1 42	20 53 11 21	20 30 2	21 26	0 19 4 0
W23	0 3	2 s 2 1 4 3 9	12 13 3 5	1 11 23 0 9	23 4 0 19	19 2 0 42	3 34 2 42	19 20 0 34	14 38 1 42	20 53 11 21	20 28 2	0 41 21 26	0 22 4 0
T 24	0 s20	6 58 4 5	12 17 3 54	4 11 51 0 6	23 6 0 18	19 4 0 42	3 33 2 42	19 19 0 34	14 39 1 42	20 54 11 21	20 26 2	21 26	0 25 4 0
F 25	0 43	11 10 3 19	12 18 3 50	5 12 19 0 3	23 8 0 16	19 7 0 42	3 31 2 42	19 19 0 34	14 39 1 42	20 54 11 21	20 24 2	0 40 21 26	0 28 4 0
S 26	1 7	14 49 2 24	12 15 3 50	6 12 46 0 0	23 9 0 15	19 9 0 41	3 29 2 42	19 18 0 34	14 40 1 42	20 54 11 21	20 23 2	39 21 26	0 32 3 59
S 27		17 45 1 24		5 13 14 0s 3		19 11 0 41	3 27 2 42	19 18 0 34		20 55 11 21			0 35 3 59
M28		19 52 0 2			-	19 14 0 41		19 17 0 34		20 55 11 21			0 38 3 59
T 29	2 17		11 42 3 49			19 16 0 41				20 55 11 21			0 41 3 59
W30	2 s40	21 s21 1n45	5 11 s23 3 s44	4 14 s 34 0 s 12	23n14 0s 9	19s18 0n41	3n22 2s43	19n16 0n34	14 s42 1n42	20s56 11s21	20 s22 2	0s37 21s25	0 s44 3 s59

Julian Day Number = 2558073.5, Delta T = 282.77 sec Ecliptic obliquity = $23^{\circ}24'01$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}49'01$, Lahiri = $27^{\circ}56'02$

OCTOBER 2291 00:00 UT

0010	DEN EE														00.0	0 0.
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)f(¥	Р	u	v	Ç	ķ	Day
T 1	0 38 18	7 ≙ 41'50	2 ට 49	19°R34	9 M .54	2932	29M30	14°R49	6 Ω 7	15 M 6	3°R 0	1°R13	2 × 724	14 × 13	22 m /46	T 1
F 2	0 42 14	8°40'40	14°45	18 ≏ 43	11° 6	3° 0	29°40	14 Y 45	6°10	15° 8	2) 59	1 √ 13	2°20	14°20	22°55	F 2
S 3	0 46 11	9°39'31	26°55	17°46	12°19	3°28	29°51	14°40	6°12	15°10	2°58	1°12	2°17	14°26	23° 3	S 3
S 4	0 50 7	10°38'24	9≈21	16°44	13°32	3°55	0 √ 1	14°35	6°14	15°12	2°57	1° 8	2°14	14°33	23°12	S 4
M 5	0 54 4	11°37'19	22° 9	15°39	14°44	4°21	0°12	14°30	6°16	15°14	2°56	1° 2	2°11	14°40	23°20	M 5
T 6	0 58 0	12°36'16	5 ∺ 20	14°31	15°57	4°48	0°23	14°26	6°18	15°16	2°56	0°55	2° 8	14°46	23°28	T 6
W 7	1 1 57	13°35'15	18°56	13°22	17° 9	5°14	0°34	14°21	6°20	15°18	2°55	0°47	2° 4	14°53	23°37	W 7
T 8	1 5 53	14°34'15	2 Υ 54	12°15	18°22	5°39	0°45	14°16	6°21	15°19	2°54	0°39	2° 1	14°59	23°45	T 8
F 9	1 9 50	15°33'18	17°10	11°11	19°34	6° 4	0°56	14°12	6°23	15°21	2°53	0°33	1°58	15° 6	23°53	F 9
S 10	1 13 46	16°32'22	1841	10°11	20°47	6°29	1° 7	14° 7	6°25	15°23	2°52	0°28	1°55	15°13	24° 1	S 10
S 11	1 17 43	17°31'29	16°17	9°19	21°59	6°53	1°18	14° 2	6°27	15°26	2°51	0°25	1°52	15°19	24°10	S 11
M12	1 21 40	18°30'38	0耳55	8°34	23°12	7°17	1°30	13°58	6°28	15°28	2°50	0°D24	1°49	15°26	24°18	M12
T 13	1 25 36	19°29'49	15°27	7°58	24°24	7°41	1°41	13°53	6°30	15°30	2°49	0°25	1°45	15°33	24°26	T 13
W14	1 29 33	20°29'02	29°50	7°32	25°36	8° 4	1°53	13°48	6°32	15°32	2°49	0°26	1°42	15°39	24°34	W14
T 15	1 33 29	21°28'18	1499 1	7°17	26°49	8°27	2° 4	13°44	6°33	15°34	2°48	0°27	1°39	15°46	24°42	T 15
F 16	1 37 26	22°27'36	27°58	7°D13	28° 1	8°49	2°16	13°39	6°35	15°36	2°47	0°R27	1°36	15°53	24°50	F 16
S 17	1 41 22	23°26'57	11 £ 42	7°19	29°13	9°11	2°28	13°34	6°36	15°38	2°46	0°26	1°33	15°59	24°58	S 17
S 18	1 45 19	24°26'19	25°12	7°37	0 ₮ 26	9°32	2°39	13°30	6°38	15°40	2°46	0°23	1°30	16° 6	25° 6	S 18
M19	1 49 15	25°25'44	8 Mp 29	8° 4	1°38	9°53	2°51	13°25	6°39	15°42	2°45	0°18	1°26	16°13	25°14	M19
T 20	1 53 12	26°25'12	21°32	8°40	2°50	10°13	3° 3	13°21	6°40	15°44	2°44	0°13	1°23	16°19	25°22	T 20
W21	1 57 9	27°24'41	4 º 22	9°26	4° 2	10°33	3°15	13°16	6°41	15°46	2°44	0° 7	1°20	16°26	25°30	W21
T 22	2 1 5	28°24'12	16°59	10°20	5°14	10°52	3°27	13°12	6°43	15°49	2°43	0° 1	1°17	16°33	25°38	T 22
F 23	2 5 2	29°23'46	29°23	11°20	6°26	11°11	3°39	13° 7	6°44	15°51	2°42	29 M 57	1°14	16°39	25°45	F 23
S 24	2 8 58	0M23'22	11 M .36	12°27	7°38	11°29	3°51	13° 3	6°45	15°53	2°42	29°54	1°10	16°46	25°53	S 24
S 25	2 12 55	1°22'59	23°38	13°40	8°50	11°46	4° 4	12°58	6°46	15°55	2°41	29°53	1° 7	16°52	26° 1	S 25
M26	2 16 51	2°22'39	5 ₹ 32	14°58	10° 2	12° 3	4°16	12°54	6°47	15°57	2°41	29°D53	1° 4	16°59	26° 8	M26
T 27	2 20 48	3°22'20	17°20	16°20	11°14	12°20	4°28	12°50	6°48	16° 0	2°40	29°54	1° 1	17° 6	26°16	T 27
W28	2 24 44	4°22'03	29° 7	17°45	12°26	12°36	4°41	12°46	6°49	16° 2	2°40	29°55	0°58	17°12	26°24	W28
T 29	2 28 41	5°21'48	10 궁 56	19°13	13°38	12°51	4°53	12°41	6°49	16° 4	2°39	29°57	0°55	17°19	26°31	T 29
F 30	2 32 38	6°21'35	22°51	20°44	14°50	13° 6	5° 5	12°37	6°50	16° 6	2°39	29°59	0°51	17°26	26°38	F 30
S 31	2 36 34	7 M 21'24	4≈58	22 ≏ 17	16 × 2	139520	5 ₹ 18	12 Y 33	6 Ω 51	16 M 8	2) 38	29°R59	0 ∡ 748	17 , 732	26 m 46	S 31

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	decl	decl lat	decl	lat	decl l	at decl	lat	decl	lat	decl	lat	decl	lat	decl lat	d	decl lat	decl	decl	decl	decl la	at
T 1 F 2 S 3	3 s 3 3 26	19 4 3 3	-	3 28	15 26	0s15 23n15 0 18 23 16 0 21 23 17	0 6	19 23	0n41 0 40 0 40	3n20 3 18 3 16	2 43	19n15 19 15 19 14	0 34	14 43 1	42 20	0 s 5 6 11 s 21 0 5 6 11 20 0 5 6 11 20	20 22	20 36	21 25	0 51	3 s59 3 59 3 58
S 4 M 5 T 6 W 7 T 8 F 9	3 49 4 12 4 35 4 58 5 21 5 44 6 7	13 17 4 4 9 18 5 4 46 5 0n 7 4 5 5 9 4 2	66 9 24 4 8 45 7 8 4 63 7 21 61 6 37	3 4 2 49 2 33 2 15 1 56	16 16 16 40 17 5 17 28 17 52	0 25 23 18 0 28 23 19 0 31 23 20 0 34 23 21 0 37 23 21 0 40 23 22	0 2 0 1 0n 1 0 3	19 28 19 31 19 33 19 35 19 38	0 40 0 40 0 40 0 40 0 40 0 39	3 14 3 12 3 11 3 9 3 7 3 5	2 43 2 43 2 43 2 43 2 43	19 14 19 13 19 13	0 34 0 34 0 34 0 34 0 34	14 45 1 14 45 1 14 46 1 14 46 1 14 47 1	42 20 42 20 42 20 42 20 42 20 42 20	57 11 20 57 11 20 57 11 20 57 11 20 57 11 20 57 11 20 57 11 20	20 21 20 20 20 19 20 17 20 15	20 34 20 34 20 33 20 33 20 32	21 25 21 25 21 25 21 25 21 25 21 24	0 57 1 0 1 4 1 7 1 10	3 58 3 58 3 58 3 58 3 58 3 58 3 58
S 10 S 11 M12 T 13	6 29 6 52 7 15 7 37	14 22 2 2 17 54 1 1 20 16 0s 21 16 1 2	6 4 32 3 3 56 1 3 23	1 16 0 55 0 35 0 15	18 37 18 59 19 21 19 42	0 44 23 23 0 47 23 23 0 50 23 24 0 53 23 24	0 8 0 10 0 12 0 14	19 43 19 45 19 47 19 50	0 39 0 39 0 39 0 39	3 3 3 1 3 0 2 58	2 43 2 43 2 43 2 43	19 11 19 11 19 11 19 10	0 34 0 34 0 34 0 34	14 48 1 14 49 1 14 49 1 14 50 1	42 20 42 20 42 20 42 20	58 11 19 58 11 19 58 11 19 58 11 19	20 13 20 12 20 12 20 12	20 31 20 30 20 29 20 29	21 24 21 24 21 24 21 24	1 16 1 19 1 23 1 26	3 58 3 58 3 58 3 58
W14 T 15 F 16 S 17	7 59 8 22 8 44 9 6 9 27	19 6 3 3 16 14 4 2	5 2 34 3 2 17 5 2 5	0 21 0 38 0 53	20 22 20 42 21 1	0 56 23 25 0 59 23 25 1 2 23 26 1 5 23 26 1 9 23 27	0 17	19 57 20 0	0 39 0 39 0 38 0 38	2 56 2 54 2 53 2 51 2 49	2 43 2 43	19 9 19 9 19 9	0 34 0 34 0 34	14 51 1 14 52 1 14 52 1	42 20 41 20 41 20	58 11 19 59 11 18 59 11 18 59 11 18 59 11 18	20 13 20 13 20 13	20 27 20 27 20 26	21 23 21 23 21 23	1 32 1 35 1 38	3 57 3 57 3 57 3 57 3 57
M19 T 20 W21 T 22 F 23 S 24	9 49 10 11 10 32 10 53 11 14	3 36 5 1s 6 4 5 5 41 4 1	8 1 59 11 2 4 8 2 13 4 2 27 9 2 46	1 19 1 29 1 38 1 46 1 52	21 37 21 55 22 11 22 28 22 43	1 9 23 27 1 12 23 27 1 15 23 28 1 18 23 28 1 21 23 29 1 24 23 29 1 26 23 30	0 25 0 27 0 29 0 32 0 34	20 5 20 7	0 38 0 38 0 38 0 38 0 37 0 37	2 49 2 47 2 46 2 44 2 42 2 41 2 39	2 43 2 43 2 43 2 42	19 8 19 8 19 8 19 7 19 7	0 34 0 34 0 34 0 35 0 35 0 35	14 54 1 14 54 1 14 55 1 14 56 1 14 56 1	41 20 41 20 41 20 41 20 41 20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 11 20 10 20 8 20 7 20 6	20 25	21 23 21 23 21 22 21 22 21 22	1 44 1 48 1 51 1 54 1 57	3 57 3 57 3 57 3 57 3 57 3 57 3 57
S 25 M26 T 27 W28 T 29 F 30 S 31	12 17 12 37 12 57 13 17 13 37	19 12 0 3 20 41 0n3 21 14 1 3 20 50 2 3 19 30 3 2 17 19 4 1 14s21 4n4	1 4 0 5 4 30 4 5 2 7 5 36 2 6 12	2 3 2 4 2 2 4 5 2 4 2 2 2	23 26 23 39 23 52 24 4 24 15	1 29 23 31 1 32 23 31 1 35 23 32 1 38 23 33 1 40 23 34 1 43 23 35 1 s46 23n36	0 40 0 42 0 45 0 47 0 49	20 19 20 21 20 24 20 26 20 28 20 31 20 s33	0 37 0 37 0 37 0 37 0 37 0 37 0 n36	2 37 2 36 2 34 2 33 2 31 2 30 2n28	2 42 2 42 2 42 2 42 2 42 2 42 2 s42	19 6 19 6 19 6 19 6	0 35 0 35 0 35 0 35	14 58 1 14 59 1 14 59 1 15 0 1 15 1 1	41 20 41 20 41 20 41 20 41 20	59 11 17 59 11 16 59 11 16 59 11 16 59 11 16 59 11 16 559 11 16 559 11 16	20 5 20 6 20 6 20 6 20 6 20 7	20 21 20 20 20 20 20 19 20 18 20 18 20 s17	21 21 21 21 21 21 21 21 21 21	2 6 2 9 2 12 2 15 2 18	3 57 3 57 3 57 3 57 3 57 3 57 3 57 3 857

Julian Day Number = 2558103.5, Delta T = 282.91 sec Ecliptic obliquity = $23^{\circ}24^{\circ}01$, Nutation = $0^{\circ}00^{\circ}15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}49^{\circ}06$, Lahiri = $27^{\circ}56^{\circ}06$

NOVEMBER 2291 00:00 UT

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S 1	2 40 31	8ML21'14	17≈22	23₽51	17 × 14	13933	5 ₹ 31	12°R29	6 Ω 52	16 M .11	2°R38	29°R59	0 ∡ 745	17 ∡ 739	26 Mp 53	S 1
M 2	2 44 27	9°21'05	0 ∀ 6	25°27	18°25	13°46	5°43	12 Y 25	6°52	16°13	2) 38	29 M 58	0°42	17°46	27° 0	M 2
T 3	2 48 24	10°20'58	13°15	27° 4	19°37	13°58	5°56	12°21	6°53	16°15	2°37	29°56	0°39	17°52	27° 8	T 3
W 4	2 52 20	11°20'53	26°50	28°41	20°48	14°10	6° 9	12°18	6°53	16°17	2°37	29°53	0°35	17°59	27°15	W 4
T 5	2 56 17	12°20'50	10 Y 52	0 M .19	22° 0	14°20	6°21	12°14	6°54	16°20	2°37	29°51	0°32	18° 6	27°22	T 5
F 6	3 0 13	13°20'48	25°18	1°58	23°11	14°30	6°34	12°10	6°54	16°22	2°36	29°48	0°29	18°12	27°29	F 6
S 7	3 4 10	14°20'48	108 4	3°36	24°23	14°40	6°47	12° 7	6°54	16°24	2°36	29°47	0°26	18°19	27°36	S 7
S 8	3 8 7	15°20'50	25° 2	5°15	25°34	14°49	7° 0	12° 3	6°55	16°26	2°36	29°D46	0°23	18°26	27°43	S 8
M 9	3 12 3	16°20'54	10 I I 3	6°54	26°46	14°56	7°13	12° 0	6°55	16°29	2°36	29°46	0°20	18°32	27°50	M 9
T 10	3 16 0	17°21'00	25° 0	8°33	27°57	15° 4	7°26	11°56	6°55	16°31	2°35	29°47	0°16	18°39	27°57	T 10
W11	3 19 56	18°21'08	99545	10°12	29° 8	15°10	7°39	11°53	6°55	16°33	2°35	29°48	0°13	18°46	28° 3	W11
T 12	3 23 53	19°21'19	24°13	11°50	0 궁 19	15°16	7°52	11°50	6°R55	16°35	2°35	29°49	0°10	18°52	28°10	T 12
F 13	3 27 49	20°21'31	8 Ω 20	13°28	1°30	15°21	8° 5	11°46	6°55	16°38	2°35	29°50	0° 7	18°59	28°17	F 13
S 14	3 31 46	21°21'45	22° 5	15° 6	2°41	15°25	8°18	11°43	6°55	16°40	2°35	29°R50	0° 4	19° 6	28°23	S 14
S 15	3 35 42	22°22'01	5 m 29	16°44	3°52	15°28	8°31	11°40	6°55	16°42	2°35	29°50	0° 1	19°12	28°29	S 15
M16	3 39 39	23°22'19	18°33	18°22	5° 3	15°31	8°44	11°37	6°55	16°44	2°D35	29°49	29 M 57	19°19	28°36	M16
T 17	3 43 36	24°22'39	1 ≏ 20	19°59	6°14	15°32	8°57	11°35	6°55	16°47	2°35	29°48	29°54	19°25	28°42	T 17
W18	3 47 32	25°23'01	13°52	21°36	7°24	15°R33	9°11	11°32	6°54	16°49	2°35	29°48	29°51	19°32	28°48	W18
T 19	3 51 29	26°23'24	26°11	23°12	8°35	15°33	9°24	11°29	6°54	16°51	2°35	29°47	29°48	19°39	28°55	T 19
F 20	3 55 25	27°23'50	8 M 20	24°49	9°46	15°32	9°37	11°27	6°54	16°53	2°35	29°47	29°45	19°45	29° 1	F 20
S 21	3 59 22	28°24'17	20°20	26°25	10°56	15°31	9°50	11°24	6°53	16°55	2°35	29°47	29°41	19°52	29° 7	S 21
S 22	4 3 18	29°24'46	2 √ 14	28° 1	12° 7	15°28	10° 4	11°22	6°53	16°58	2°35	29°47	29°38	19°59	29°13	S 22
M23	4 7 15	0 ∡ 25'17	14° 4	29°36	13°17	15°25	10°17	11°20	6°52	17° 0	2°36	29°47	29°35	20° 5	29°18	M23
T 24	4 11 11	1°25'49	25°52	11711	14°27	15°20	10°30	11°17	6°51	17° 2	2°36	29°47	29°32	20°12	29°24	T 24
W25	4 15 8	2°26'22	7 云 39	2°46	15°37	15°15	10°44	11°15	6°51	17° 4	2°36	29°46	29°29	20°19	29°30	W25
T 26	4 19 5	3°26'57	19°30	4°21	16°47	15° 9	10°57	11°13	6°50	17° 6	2°36	29°46	29°26	20°25	29°35	T 26
F 27	4 23 1	4°27'33	1≈27	5°56	17°57	15° 2	11°11	11°11	6°49	17° 9	2°37	29°45	29°22	20°32	29°41	F 27
S 28	4 26 58	5°28'11	13°34	7°30	19° 7	14°54	11°24	11°10	6°49	17°11	2°37	29°45	29°19	20°39	29°46	S 28
S 29	4 30 54	6°28'49	25°54	9° 5	20°17	14°45	11°37	11° 8	6°48	17°13	2°37	29°44	29°16	20°45	29°52	S 29
M30	4 34 51	7 .₹ 29'28	8 ∺ 33	10 ∡ 39	21 る 27	14936	11 × 751	11 ° 6	6 Ω 47	17 M _15	2) 38	29°D44	29 M 13	20 ∡ 52	29 m 57	M30

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	decl	decl lat	decl	lat de	el lat o	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl lat
S 1	14s16	10 s42 5n	n 8 7s25	1n57 24s	35 1 s48 23	n37 0n54	20 s35	0n36	2n27	2 s41	19n 5	0n35	15 s 2	1n41	20s59 11s15	20 s 7	20s16	21 s20	2 s24 3 s57
M 2	14 35	6 29 5	16 8 3	1 54 24	14 1 51 23	38 0 57	20 38	0 36	2 25	2 41	19 5	0 35	15 3	1 41	20 59 11 15	5 20 7	20 16	21 20	2 27 3 57
T 3	14 54	1 50 5	8 8 42	1 50 24	53 1 53 23	39 0 59	20 40	0 36	2 24	2 41	19 5	0 35	15 3	1 41	20 59 11 15	5 20 6	20 15	21 20	2 29 3 57
W 4	15 13		42 9 20	1 46 25			20 42	0 36	2 23	2 41	19 5	0 35	15 4	1 41	20 59 11 14			21 19	2 32 3 57
T 5	15 31	7 57 3	59 9 59	1 41 25	8 1 58 23	41 1 4	20 45	0 36	2 21	2 41	19 5	0 35	15 5	1 41	20 59 11 14	1 20 5	20 14	21 19	2 35 3 57
F 6	15 49	12 33 3	0 10 38	1 36 25			20 47	0 36	2 20	2 41	19 5						20 13		2 38 3 57
S 7	16 7	16 30 1	47 11 17	1 31 25	20 2 3 23	44 1 9	20 49	0 36	2 19	2 41	19 5	0 35	15 6	1 41	20 59 11 14	1 20 4	20 12	21 19	2 41 3 58
S 8			26 11 55				20 52	0 36	2 17	2 41		0 35	15 6		20 59 11 14			21 18	2 44 3 58
M 9			557 12 33			-	20 54	0 35	2 16	2 40	-				20 58 11 13		20 11	-	2 46 3 58
T 10	16 59	-	16 13 11	1 13 25			20 56	0 35	2 15	2 40	-				20 58 11 13			21 18	2 49 3 58
W11			24 13 48				20 58	0 35	2 14	2 40	-			1 41			20 10		2 52 3 58
T 12			19 14 24				21 0	0 35	2 13	2 40					20 58 11 13			21 17	2 55 3 58
F 13			56 15 0				21 3	0 35	2 12	2 40	-		15 10		20 58 11 12			21 17	2 57 3 58
S 14	18 4	9 9 5	15 15 35	0 47 25	39 2 17 23	58 1 28	21 5	0 35	2 11	2 39	19 5	0 35	15 10	1 41	20 58 11 12	2 20 5	20 8	21 17	3 0 3 58
S 15	18 20		16 16 10					0 35	2 10	2 39	-		15 11		20 57 11 12			21 16	3 3 3 58
M16	18 35	0s 6 5	1 16 44					0 35	2 9	2 39			-					21 16	3 5 3 58
T 17	18 50		31 17 17				21 11	0 35	2 8	2 39	-		15 12		20 57 11 11			21 16	3 8 3 58
W18	19 5		49 17 49				21 13	0 34	2 7	2 39	-		15 13		20 57 11 11			21 15	3 10 3 58
T 19			56 18 20				21 15	0 34	2 6	2 39			15 13		20 56 11 11			21 15	3 13 3 59
F 20	19 33		57 18 50				21 17	0 34	2 5	2 38			15 14		20 56 11 11			21 15	3 15 3 59
S 21	19 46	18 39 0	52 19 20	0s 1 25	23 2 26 24	17 1 48	21 20	0 34	2 5	2 38	19 6	0 36	15 15	1 41	20 56 11 11	20 4	20 3	21 14	3 18 3 59
S 22	20 0	20 21 0n	14 19 48	0 7 25	-	_	21 22	0 34	2 4	2 38	19 6	0 36	15 15		20 56 11 10			21 14	3 20 3 59
M23	20 12	-	19 20 16				21 24	0 34	2 3	2 38	19 6	0 36	15 16		20 55 11 10			21 14	3 23 3 59
T 24	20 25	21 0 2	20 20 42	0 21 25	5 2 29 24		21 26	0 34	2 3	2 37	19 6	0 36	15 16		20 55 11 10			21 13	3 25 3 59
W25	20 37		16 21 8				21 28	0 34	2 2	2 37		0 36			20 55 11 10			21 13	3 28 3 59
	20 49		3 21 32				21 30	0 34	2 1	2 37		0 36	-					21 13	3 30 3 59
F 27	-		40 21 55				21 31	0 34	2 1	2 37		0 36	-				19 59		3 32 4 0
S 28	21 11	11 51 5	5 22 17	0 46 24	32 2 31 24	43 2 9	21 33	0 34	2 0	2 37	19 7	0 36	15 19	1 41	20 54 11 9	20 4	19 58	21 12	3 34 4 0
S 29	21 21	7 53 5	17 22 38	0 53 24	22 2 32 24	47 2 12	21 35	0 34	2 0	2 36	19 7	0 36	15 19	1 41	20 53 11 9	20 4	19 58	21 12	3 37 4 0
M30	21 s31	3 s30 5n	114 22 s 58	0s59 24s	2 s32 24	n51 2n15	21 s37	0n33	2n 0	2 s 3 6	19n 8	0n36	15 s20	1n41	20s53 11s 8	3 20 s 4	19s57	21 s11	3 s 3 9 4 s 0

Julian Day Number = 2558134.5, Delta T = 283.05 sec Ecliptic obliquity = $23^{\circ}24'00$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}49'10$, Lahiri = $27^{\circ}56'10$

DECEMBER 2291 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	₽.	v	Ç	ķ	Day
T 1	4 38 47	8 ∡ ³30′09	21) 33	12 × 13	22 궁 36	14°R25	12 ×7 4	11°R 5	6°R46	17 M 17	2) 38	29 M .44	29 IL 10	20 х 59	0 <u>ჲ</u> 2	T 1
W 2	4 42 44	9°30'51	4 Υ 59	13°46	23°46	149514	12°18	11 ° 4	6 Ω 45	17°19	2°38	29°45	29° 7	21° 5	0° 7	W 2
T 3	4 46 40	10°31'33	18°52	15°20	24°55	14° 2	12°31	11° 2	6°44	17°21	2°39	29°46	29° 3	21°12	0°12	T 3
F 4	4 50 37	11°32'17	3 8 12	16°54	26° 4	13°49	12°45	11° 1	6°43	17°23	2°39	29°47	29° 0	21°19	0°17	F 4
S 5	4 54 34	12°33'02	17°56	18°27	27°13	13°35	12°58	11° 0	6°41	17°26	2°40	29°48	28°57	21°25	0°22	S 5
S 6	4 58 30	13°33'48	2П59	20° 1	28°22	13°21	13°11	10°59	6°40	17°28	2°40	29°R48	28°54	21°32	0°26	S 6
M 7	5 2 27	14°34'35	18°12	21°34	29°31	13° 6	13°25	10°58	6°39	17°30	2°41	29°47	28°51	21°39	0°31	M 7
T 8	5 6 23	15°35'23	39527	23° 8	0≈39	12°50	13°38	10°58	6°38	17°32	2°41	29°46	28°47	21°45	0°35	T 8
W 9	5 10 20	16°36'13	18°32	24°41	1°48	12°33	13°52	10°57	6°36	17°34	2°42	29°44	28°44	21°52	0°40	W 9
T 10	5 14 16	17°37'04	3 Ω 20	26°14	2°56	12°15	14° 5	10°56	6°35	17°36	2°42	29°42	28°41	21°59	0°44	T 10
F 11	5 18 13	18°37'56	17°43	27°47	4° 4	11°57	14°19	10°56	6°33	17°38	2°43	29°39	28°38	22° 5	0°48	F 11
S 12	5 22 9	19°38'49	1 m) 40	29°21	5°12	11°39	14°32	10°56	6°32	17°40	2°44	29°38	28°35	22°12	0°52	S 12
S 13	5 26 6	20°39'43	15° 9	0 궁 54	6°20	11°19	14°46	10°56	6°30	17°42	2°44	29°D37	28°32	22°19	0°56	S 13
M14	5 30 3	21°40'39	28°12	2°27	7°28	10°59	14°59	10°D55	6°29	17°44	2°45	29°37	28°28	22°25	1° 0	M14
T 15	5 33 59	22°41'36	10 ♀ 53	4° 0	8°35	10°39	15°13	10°56	6°27	17°46	2°46	29°38	28°25	22°32	1° 4	T 15
W16	5 37 56	23°42'34	23°15	5°33	9°42	10°17	15°26	10°56	6°25	17°48	2°47	29°39	28°22	22°38	1° 8	W16
T 17	5 41 52	24°43'34	5 M 24	7° 5	10°49	9°56	15°39	10°56	6°24	17°49	2°47	29°41	28°19	22°45	1°11	T 17
F 18	5 45 49	25°44'34	17°22	8°38	11°56	9°34	15°53	10°56	6°22	17°51	2°48	29°42	28°16	22°52	1°15	F 18
S 19	5 49 45	26°45'35	29°14	10°10	13° 3	9°11	16° 6	10°57	6°20	17°53	2°49	29°R43	28°13	22°58	1°18	S 19
S 20	5 53 42	27°46'38	11 ×7 2	11°43	14°10	8°49	16°19	10°57	6°18	17°55	2°50	29°42	28° 9	23° 5	1°21	S 20
M21	5 57 38	28°47'41	22°50	13°14	15°16	8°26	16°33	10°58	6°16	17°57	2°51	29°40	28° 6	23°12	1°24	M21
T 22	6 1 35	2 <u>9</u> °48'45	4 궁 39	14°46	16°22	8° 2	16°46	10°59	6°14	17°59	2°52	29°37	28° 3	23°18	1°27	T 22
W23	6 5 32	0 궁 49'49	16°31	16°17	17°28	7°39	16°59	11° 0	6°12	18° 0	2°53	29°31	28° 0	23°25	1°30	W23
T 24	6 9 28	1°50'54	28°28	17°47	18°33	7°15	17°13	11° 1	6°10	18° 2	2°54	29°25	27°57	23°32	1°33	T 24
F 25	6 13 25	2°52'00	10≈32	19°17	19°39	6°52	17°26	11° 2	6° 8	18° 4	2°55	29°19	27°53	23°38	1°36	F 25
S 26	6 17 21	3°53'06	22°45	20°45	20°44	6°28	17°39	11° 3	6° 6	18° 6	2°56	29°13	27°50	23°45	1°38	S 26
S 27	6 21 18	4°54'12	5 米 9	22°13	21°48	6° 4	17°52	11° 4	6° 4	18° 7	2°57	29° 8	27°47	23°52	1°41	S 27
M28	6 25 14	5°55'18	17°47	23°39	22°53	5°41	18° 6	11° 6	6° 2	18° 9	2°58	29° 5	27°44	23°58	1°43	M28
T 29	6 29 11	6°56'24	0 Υ 43	25° 4	23°57	5°17	18°19	11° 7	6° 0	18°11	2°59	29° 3	27°41	24° 5	1°45	T 29
W30	6 33 7	7°57'31	13°59	26°26	25° 1	4°54	18°32	11° 9	5°58	18°12	3° 0	29°D 3	27°38	24°12	1°47	W30
T 31	6 37 4	8 궁 58'38	27 Y 38	27 궁 47	26≈ 5	4931	18 √ 45	11 Y 11	5 Ω 56	18 M .14	3 ∺ 1	29M 4	27 M 34	24 × 18	1 ≏ 49	T 31

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S 27 M28 T 29	23 19 23 16 23 13	4 48 5 10 0 17 4 55 4n21 4 25	23 22	2 8 15 56 2 4 15 32 2 0 15 7	1 49 26 40 1 46 26 43 1 42 26 45	3 26	22 19 22 21 22 22	0 32 0 32 0 31	2 5 2 6 2 7	2 29		0 37	15 34 1 4 15 34 1 4 15 35 1 4		0 11 2	19 55		21 0 20 59 20 59	4 25 4 26 4 27	4 5 4 5 4 5
W30	23 10 23 s 6	8 54 3 41	22 43	1 55 14 42 1 s49 14 s17	1 38 26 47 1 s34 26n49	3 29	22 23 22 s24	0 31 0 31 0n31	2 7 2n 8	2 29		0 37	15 35 1 4	2 20 3		19 55	19 36	20 58	4 28 4 s29	4 5 4s 6

Julian Day Number = 2558164.5, Delta T = 283.19 sec Ecliptic obliquity = 23°24'00, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $28^{\circ}49'14$, Lahiri = $27^{\circ}56'14$