

Astrodienst Ephemeris Tables for the year 2029

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 2029 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ţ(,	Р	R	Ω	Ç	ķ	Day
M 1	6 43 44	10 ට 51'08	14939	0≈22	21 🗖 5	4 ₽ 18	24₽58	4°R26	11°R 5	6Υ 9	7≈35	13°D59	14る 8	3 Υ21	3°R58	M 1
T 2	6 47 41	11°52'16	28°30	1°15	22°20	4°41	25° 4	4826	11 I I 3	6°10	7°37	13 る 59	14° 5	3°28	3 8 57	T 2
W 3	6 51 37	12°53'24	12€33	2° 1	23°35	5° 3	25°11	4°25	11° 1	6°11	7°39	13°59	14° 2	3°35	3°56	W 3
T 4	6 55 34	13°54'32	26°46	2°39	24°50	5°25	25°18	4°25	10°59	6°11	7°41	13°R59	13°59	3°42	3°56	T 4
F 5	6 59 31	14°55'40	11 Mp 2	3° 8	26° 6	5°47	25°24	4°25	10°57	6°12	7°42	13°59	13°55	3°48	3°55	F 5
S 6	7 3 27	15°56'49	25°20	3°28	27°21	6° 8	25°31	4°D25	10°55	6°13	7°44	13°59	13°52	3°55	3°55	S 6
S 7	7 7 24	16°57'57	9 ॒ 35	3°R37	28°36	6°29	25°37	4°25	10°53	6°13	7°46	13°58	13°49	4° 2	3°54	S 7
M 8	7 11 20	17°59'06	23°45	3°35	29°51	6°49	25°43	4°25	10°51	6°14	7°48	13°D58	13°46	4° 8	3°54	M 8
T 9	7 15 17	19° 0'15	7 M .48	3°22	1ਰ 6	7°10	25°49	4°26	10°50	6°15	7°49	13°59	13°43	4°15	3°54	T 9
W10	7 19 13	20° 1'24	21°43	2°56	2°22	7°29	25°54	4°26	10°48	6°16	7°51	13°59	13°40	4°22	3°53	W10
T 11	7 23 10	21° 2'34	5 ₹ 27	2°19	3°37	7°49	26° 0	4°27	10°46	6°16	7°53	14° 0	13°36	4°29	3°53	T 11
F 12	7 27 6	22° 3'43	19° 0	1°31	4°52	8° 8	26° 5	4°27	10°44	6°17	7°55	14° 1	13°33	4°35	3°53	F 12
S 13	7 31 3	23° 4'52	2 る 20	0°33	6° 7	8°27	26°10	4°28	10°43	6°18	7°57	14° 1	13°30	4°42	3°D53	S 13
S 14	7 35 0	24° 6'00	15°28	29 궁 26	7°23	8°45	26°15	4°29	10°41	6°19	7°58	14°R 1	13°27	4°49	3°53	S 14
M15	7 38 56	25° 7'09	28°21	28°13	8°38	9° 3	26°20	4°30	10°39	6°20	8° 0	14° 1	13°24	4°56	3°53	M15
T 16	7 42 53	26° 8'17	11≈ 1	26°56	9°53	9°20	26°25	4°31	10°38	6°21	8° 2	14° 0	13°21	5° 2	3°53	T 16
W17	7 46 49	27° 9'24	23°27	25°38	11° 8	9°37	26°30	4°32	10°36	6°22	8° 4	13°58	13°17	5° 9	3°54	W17
T 18	7 50 46	28°10'30	5) (41	24°20	12°24	9°54	26°34	4°34	10°35	6°23	8° 6	13°56	13°14	5°16	3°54	T 18
F 19	7 54 42	29°11'36	17°45	23° 5	13°39	10°10	26°38	4°35	10°33	6°24	8° 8	13°54	13°11	5°22	3°54	F 19
S 20	7 58 39	0≈12'41	29°41	21°55	14°54	10°25	26°42	4°37	10°32	6°26	8°10	13°51	13° 8	5°29	3°54	S 20
S 21	8 2 35	1°13'45	11 Y 33	20°52	16° 9	10°40	26°46	4°38	10°30	6°27	8°11	13°50	13° 5	5°36	3°55	S 21
M22	8 6 32	2°14'49	23°25	19°57	17°25	10°55	26°50	4°40	10°29	6°28	8°13	13°48	13° 1	5°43	3°55	M22
T 23	8 10 29	3°15'51	5823	19°10	18°40	11° 9	26°53	4°42	10°28	6°29	8°15	13°D48	12°58	5°49	3°56	T 23
W24	8 14 25	4°16'52	17°29	18°33	19°55	11°23	26°57	4°44	10°27	6°30	8°17	13°49	12°55	5°56	3°57	W24
T 25	8 18 22	5°17'53	29°50	18° 5	21°10	11°36	27° 0	4°46	10°25	6°32	8°19	13°50	12°52	6° 3	3°57	T 25
F 26	8 22 18	6°18'52	12 Ⅱ 30	17°45	22°25	11°49	27° 3	4°48	10°24	6°33	8°21	13°52	12°49	6° 9	3°58	F 26
S 27	8 26 15	7°19'51	25°31	17°35	23°41	12° 1	27° 5	4°51	10°23	6°34	8°23	13°53	12°46	6°16	3°59	S 27
S 28	8 30 11	8°20'48	8 9 57	17°D33	24°56	12°12	27° 8	4°53	10°22	6°36	8°25	13°R54	12°42	6°23	4° 0	S 28
M29	8 34 8	9°21'44	22°47	17°38	26°11	12°23	27°11	4°56	10°21	6°37	8°26	13°54	12°39	6°30	4° 0	M29
T 30	8 38 5	10°22'39	7Ω 0	17°51	27°26	12°34	27°13	4°58	10°20	6°38	8°28	13°52	12°36	6°36	4° 1	T 30
W31	8 42 1	11≈23'33	21 \O 30	18 る 10	28 궁 42	12 ≏ 44	27 ≙ 15	5 8 1	10 Ⅱ 19	6 Υ 40	8 ≈ 30	13 る 50	12 る 33	6 Ƴ 43	4 8 2	W31

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M 1 T 2 W 3 T 4 F 5	23 s 0 22 54 22 49 22 43 22 36	19 9 1 20 14 36 2 32 9 13 3 36 3 19 4 26	2 20 18 5 19 55 6 19 34	0 50 22 38 0 36 22 45 0 22 22 51 0 7 22 56	0n37 0n33 0 35 0 25 0 32 0 17 0 30 0 10 0 27 0 2	2 32	8 s 2 9 8 3 1 8 3 4 8 3 6 8 3 8	1n16 1 16 1 16 1 16 1 17	10 38 10 38 10 39 10 39	2 30 2 30 2 30 2 29	22 4 22 4 22 4	0 1 0 1 0 1 0 1	1 6 1 7 1 7 1 7	1 28 1 28 1 28 1 28	23 23 5 23 23 5 23 22 5 23 22 5	5 12 5 12 5 12 5 12		22 41 22 42 22 42 22 42	6 1 6 4 6 7 6 10	12n 0 12 0 11 59 11 59 11 59	0 s54 0 54 0 54 0 54 0 54
S 6 S 7 M 8 T 9 W10 T11 F 12 S 13	22 29 22 22 22 14 22 5 21 57 21 47 21 38 21 28	8 38 5 16 14 3 5 13 18 41 4 50 22 14 4 11 24 27 3 18 25 13 2 14	18 37 18 22	0 27 23 4 0 45 23 7 1 4 23 9 1 23 23 11 1 42 23 11 2 1 23 12	0 24 0s 6 0 22 0 13 0 19 0 20 0 17 0 27 0 14 0 34 0 12 0 40 0 9 0 47 0 7 0 53	2 34 2 35 2 36 2 37 2 38 2 39	8 40 8 42 8 44 8 46 8 48 8 50 8 51 8 53	1 17 1 17 1 18 1 18 1 18	10 39 10 40 10 40 10 41 10 41 10 42	2 29 2 29 2 28 2 28 2 28 2 28 2 27 2 27	22 3 22 3 22 3 22 2 22 2 22 2	0 1 0 1 0 1 0 1 0 1 0 1	1 8 1 8 1 9 1 9 1 9 1 10	1 27 1 27 1 27 1 27 1 27 1 27	23 21 23 20 23 20 23 20 23 19 23 19 25 23 29 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	5 12 5 12 5 12 5 12 5 12 5 12	22 42	22 44 22 44 22 45	6 15 6 18 6 21 6 24 6 26 6 29	11 59 11 59 11 58 11 58 11 58 11 58 11 58 11 58	0 54 0 54 0 54 0 54 0 54 0 54 0 54 0 54
S 14 M15 T 16 W17 T 18 F 19 S 20	21 17 21 6 20 55 20 43 20 31 20 19 20 6	19 12 1 19 15 9 2 24 10 32 3 21 5 35 4 8 0 30 4 43	17 47 17 51 17 57	2 50 23 8 3 2 23 5 3 13 23 2 3 21 22 58 3 26 22 53	0 4 1 0 0 1 1 6 0s 1 1 11 0 4 1 17 0 6 1 22 0 9 1 28 0 11 1 33	2 42 2 43 2 44 2 45 2 46 2 47 2 48	8 55 8 56 8 58 8 59 9 1 9 2 9 3	1 19 1 19 1 19 1 19 1 20 1 20 1 20	10 43 10 44 10 45 10 45 10 46	2 26 2 26 2 26 2 25	22 1 22 1 22 1 22 1 22 1 22 0		1 11 1 11 1 12 1 12 1 13	1 27 1 27 1 27 1 27 1 27	23 17 5 23 17 5 23 16 5 23 16 5 23 16 5	5 12 5 12 5 13 5 13 5 13	22 42 22 42 22 42 22 42 22 42 22 43 22 43	22 46 22 46 22 46 22 47 22 47	6 38 6 40 6 43 6 46 6 49	11 58 11 58 11 58 11 58 11 58 11 58 11 58	0 54 0 54 0 54 0 54 0 54 0 54 0 54
S 21 M22 T 23 W24 T 25 F 26 S 27	19 53 19 39 19 25 19 11 18 56 18 42 18 26	13 54 5 11 17 55 4 53 21 15 4 23 23 41 3 39 25 0 2 44	3 18 42 3 18 52 9 19 3 4 19 13	3 28 22 34 3 24 22 26 3 19 22 18 3 12 22 9 3 4 22 0	0 14 1 38 0 16 1 42 0 18 1 47 0 21 1 51 0 23 1 55 0 26 1 59 0 28 2 3	2 55	9 4 9 5 9 6 9 7 9 8 9 9 9 10	1 20 1 20 1 21 1 21 1 21 1 21 1 22	10 49 10 50 10 50 10 51 10 52	2 24	22 0 22 0 22 0 21 59 21 59	0 1 0 1 0 1 0 1	1 14 1 15 1 15 1 16 1 16	1 27 1 27 1 27 1 27 1 27	23 14 5 23 14 5 23 13 5 23 13 5 23 12 5	5 13 5 13 5 13 5 13 5 13	22 43 22 43 22 43 22 43	22 48 22 48 22 48 22 49 22 49 22 49 22 49	6 57 7 0 7 3 7 5	11 58 11 59 11 59 11 59 11 59 11 59 12 0	0 54 0 54 0 54 0 54 0 54 0 54 0 54
S 28 M29 T 30 W31	17 55 17 38	20 43 0s49 16 32 2 3	7 19 33 9 19 42 8 19 51 2 19 s59	2 35 21 27 2 25 21 14	0 30 2 6 0 33 2 9 0 35 2 12 0s37 2s15	2 58 2 59	9 11 9 11 9 12 9s12	1 22 1 22	10 56 10 57			0 1 0 1	1 18 1 19	1 27 1 26	23 11 5 23 11 5	5 13	22 43	22 50 22 50 22 50 22 s51	7 14 7 16 7 19 7n22	12 0 12 0	0 54 0 54 0 54 0 s54

Julian Day Number = 2462137.5, Delta T = 69.04 sec Ecliptic obliquity = 23°26'10, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°08'44, Lahiri = 24°15'44

FEBRUARY 2029 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ)∤(¥	Р	S.	ß	Ç	Ŗ	Day
T 1	8 45 58	12≈24'26	6 m 13	18 궁 36	29 궁 57	12 ≏ 53	27 ₽ 17	5 8 4	10°R19	6 Υ 41	8≈32	13°R46	12 る 30	6 Υ 50	4 8 3	T 1
F 2	8 49 54	13°25'19	21° 0	19° 7	1≈12	13° 2	27°18	5° 7	10耳18	6°43	8°34	13 る 41	12°27	6°57	4° 5	F 2
S 3	8 53 51	14°26'10	5 ≏ 43	19°44	2°27	13°10	27°20	5°10	10°17	6°44	8°36	13°37	12°23	7° 3	4° 6	S 3
S 4	8 57 47	15°27'00	20°16	20°25	3°42	13°17	27°21	5°13	10°16	6°46	8°38	13°33	12°20	7°10	4° 7	S 4
M 5	9 1 44	16°27'50	4 M .35	21°10	4°57	13°24	27°23	5°16	10°16	6°48	8°40	13°31	12°17	7°17	4°8	M 5
T 6	9 5 40	17°28'39	18°37	21°59	6°13	13°30	27°23	5°20	10°15	6°49	8°41	13°D31	12°14	7°23	4°10	T 6
W 7	9 9 3 7	18°29'27	2 ~ 21	22°52	7°28	13°36	27°24	5°23	10°15	6°51	8°43	13°31	12°11	7°30	4°11	W 7
T 8	9 13 33	19°30'14	15°48	23°48	8°43	13°41	27°25	5°27	10°14	6°52	8°45	13°33	12° 7	7°37	4°12	T 8
F 9	9 17 30	20°31'00	28°59	24°47	9°58	13°45	27°25	5°30	10°14	6°54	8°47	13°35	12° 4	7°44	4°14	F 9
S 10	9 21 27	21°31'45	11 る 56	25°48	11°13	13°48	27°25	5°34	10°13	6°56	8°49	13°R35	12° 1	7°50	4°16	S 10
S 11	9 25 23	22°32'29	24°40	26°52	12°29	13°51	27°R25	5°38	10°13	6°58	8°51	13°35	11°58	7°57	4°17	S 11
M12	9 29 20	23°33'12	7≈14	27°59	13°44	13°53	27°25	5°42	10°13	6°59	8°53	13°32	11°55	8° 4	4°19	M12
T 13	9 33 16	24°33'53	19°37	29° 8	14°59	13°55	27°25	5°46	10°13	7° 1	8°54	13°27	11°52	8°10	4°21	T 13
W14	9 37 13	25°34'33	1) 52	0≈18	16°14	13°R55	27°24	5°50	10°12	7° 3	8°56	13°21	11°48	8°17	4°22	W14
T 15	9 41 9	26°35'12	13°58	1°31	17°29	13°55	27°24	5°54	10°12	7° 5	8°58	13°13	11°45	8°24	4°24	T 15
F 16	9 45 6	27°35'49	25°58	2°45	18°44	13°54	27°23	5°58	10°D12	7° 7	9° 0	13° 4	11°42	8°31	4°26	F 16
S 17	9 49 2	28°36'24	7 Ƴ 52	4° 1	19°59	13°53	27°21	6° 3	10°12	7° 8	9° 2	12°55	11°39	8°37	4°28	S 17
S 18	9 52 59	29°36'58	19°44	5°18	21°14	13°50	27°20	6° 7	10°12	7°10	9° 3	12°47	11°36	8°44	4°30	S 18
M19	9 56 56	0) €37'30	1 8 35	6°37	22°30	13°47	27°19	6°12	10°13	7°12	9° 5	12°41	11°33	8°51	4°32	M19
T 20	10 0 52	1°38'00	13°30	7°57	23°45	13°43	27°17	6°16	10°13	7°14	9° 7	12°37	11°29	8°58	4°34	T 20
W21	10 4 49	2°38'28	25°33	9°19	25° 0	13°39	27°15	6°21	10°13	7°16	9° 9	12°35	11°26	9° 4	4°36	W21
T 22	10 8 45	3°38'55	7 Ⅱ 49	10°42	26°15	13°33	27°13	6°26	10°13	7°18	9°10	12°D35	11°23	9°11	4°38	T 22
F 23	10 12 42	4°39'20	20°24	12° 6	27°30	13°27	27°11	6°31	10°13	7°20	9°12	12°35	11°20	9°18	4°41	F 23
S 24	10 16 38	5°39'43	3920	13°31	28°45	13°20	27° 8	6°36	10°14	7°22	9°14	12°37	11°17	9°24	4°43	S 24
S 25	10 20 35	6°40'04	16°43	14°58	29°59	13°12	27° 6	6°41	10°14	7°24	9°16	12°R37	11°13	9°31	4°45	S 25
M26	10 24 31	7°40'23	0Ω 35	16°25	1) 15	13° 4	27° 3	6°46	10°15	7°26	9°17	12°35	11°10	9°38	4°47	M26
T 27	10 28 28	8°40'40	14°55	17°54	2°30	12°54	27° 0	6°51	10°15	7°28	9°19	12°32	11° 7	9°45	4°50	T 27
W28	10 32 25	9) 40'55	29 Ω 39	19≈24	3 ∺ 45	12 ≏ 44	26 ♀ 57	6 8 56	10耳16	7 Y 30	9≈21	12る25	11궁 4	9 Y 51	4 8 52	W28

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T 1	17s 5	5n23	4s 8	20s 7	2n 3	20 s48	0s39	2 s 1 8	3n 2	9s13	1n23	10n59	2 s 2 1	21n58	0s 1	1n20	1 s26	23 s10	5s14	22 s44	22 s51	7n25	12n 1	0 s54
F 2	16 47	0s51	4 48	20 14	1 52	20 34	0 41	2 20	3 3	9 13	1 23	11 0	2 21	21 58	0 1	1 21	1 26	23 9	5 14	22 44	22 51	7 27	12 1	0 54
S 3	16 30	7 0	5 9	20 20	1 41	20 19	0 44	2 22	3 4	9 14	1 23	11 2	2 21	21 58	0 1	1 21	1 26	23 9	5 14	22 44	22 52	7 30	12 2	0 54
S 4	16 12	12 42	5 10	20 25	1 30	20 4	0 46	2 24	3 5	9 14	1 24	11 3	2 21	21 58	0 1	1 22	1 26	23 9	5 14	22 45	22 52	7 33	12 2	0 54
M 5	15 54	17 37	4 52	20 29	1 19	19 48	0 48	2 26	3 6	9 14	1 24	11 4	2 20	21 58	0 1	1 23	1 26	23 8	5 14	22 45	22 52	7 36	12 3	0 54
T 6	15 36	21 27	4 16	20 32	1 8	19 31	0 50	2 27	3 7	9 14	1 24	11 6	2 20	21 58	0 1	1 23	1 26	23 8	5 14	22 45	22 52	7 38	12 3	0 54
W 7	15 17	24 0	3 26	20 34	0 57	19 14	0 52	2 28	3 8	9 14	1 24	11 7	2 20	21 58	0 1	1 24	1 26	23 7	5 14	22 45	22 53	7 41	12 3	0 54
T 8	14 58	25 6	2 26	20 35	0 46	18 56	0 53	2 29	3 9	9 14	1 25	11 9	2 19	21 58	0 1	1 25	1 26	23 7	5 14	22 45	22 53	7 44	12 4	0 55
F 9	14 39	24 45	1 19	20 35	0 36	18 38	0 55	2 30	3 11	9 14	1 25	11 10	2 19	21 58	0 1	1 25	1 26	23 7			22 53		12 4	0 55
S 10	14 20	23 3	0 9	20 33	0 26	18 19	0 57	2 30	3 12	9 14	1 25	11 11	2 19	21 58	0 1	1 26	1 26	23 6	5 14	22 45	22 54	7 49	12 5	0 55
S 11	-	20 12		20 31	0 16	-		2 30	3 13	9 14		11 13		21 58					5 14		22 54			0 55
M12	13 40			20 27	0 6		1 1	2 30	3 14	9 13		11 15		21 58		1 27			5 15		22 54			0 55
T 13	13 20	12 2		20 23	0s 3		1 2	2 30	3 15	9 13		11 16		21 58	-	1 28		-	5 15	-	22 54			0 55
W14	13 0	7 12		20 17				2 29	3 16	9 13		11 18		21 58	-	1 29			5 15		22 55	8 0		0 55
T 15	12 39	2 10					-	2 28	3 17	9 12				21 58		1 30		-	5 15		22 55	8 3		0 55
F 16	12 18	2n54		-	0 29	-		2 27	3 18	9 12			2 17		-	1 30		-	5 15		22 55			0 55
S 17	11 57	7 49	5 6	19 51	0 37	15 54	1 9	2 25	3 19	9 11	1 27	11 23	2 17	21 58	0 1	1 31	1 26	23 3	5 15	22 49	22 56	8 8	12 9	0 55
S 18	11 36	12 25	5 5	19 40	0 45	15 31	1 10	2 24	3 20	9 10	1 27	11 24	2 17	21 58	0 1	1 32	1 26	23 3	5 15	22 49	22 56	8 11	12 10	0 55
M19	11 15	16 34		19 28		15 8	1 11	2 22	3 20	9 10			2 17	21 58	0 1	1 33	1 26	23 3	5 15		22 56		12 10	0 55
T 20	10 54	20 5	4 24	19 15		14 45	1 13	2 19	3 21	9 9				21 58		1 33	1 26	23 2	5 16		22 56	8 16	12 11	0 55
W21	10 32	22 48	3 46	19 0	1 7	14 21	1 14	2 17	3 22	9 8			2 16			1 34	1 26	-	5 16		22 57		12 12	0 55
T 22	10 10			18 44			-	2 14	3 23	9 7			2 16		-	1 35		-	5 16		22 57		12 12	0 55
F 23	9 48	-		18 27				2 11	3 24	9 6				21 58	-				5 16		22 57		12 13	0 55
S 24	9 26	24 13	0 50	18 8	1 26	13 7	1 17	2 7	3 24	9 5	1 28	11 35	2 15	21 58	0 1	1 37	1 26	23 1	5 16	22 50	22 57	8 27	12 14	0 55
S 25	9 4	22 2	0 s22	17 49	1 32	12 42	1 18	2 4	3 25	9 4	1 28	11 37	2 15	21 58	0 1	1 37	1 26	23 1	5 16	22 50	22 58	8 30	12 14	0 55
M26	8 41	18 29	1 35	17 27	1 37	12 16	1 19	2 0	3 26	9 2	1 29	11 39	2 15	21 58	0 1	1 38	1 26	23 0	5 16	22 50	22 58	8 33	12 15	0 55
T 27	8 19	13 45	2 44	17 5	1 42	11 50	1 20	1 56	3 26	9 1	1 29	11 41	2 15	21 58	0 1	1 39	1 26	23 0	5 16	22 51	22 58	8 35	12 16	0 55
W28	7 s56	8n 5	3 s44	16s41	1 s47	11 s23	1 s21	1 s51	3n27	9s 0	1n29	11n43	2s14	21n58	0 s 1	1n40	1 s26	23 s 0	5s17	22 s51	$22\mathrm{s}59$	8n38	12n17	$0\mathrm{s}55$

Julian Day Number = 2462168.5, Delta T = 69.06 sec Ecliptic obliquity = $23^{\circ}26'10$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $25^{\circ}08'48$, Lahiri = $24^{\circ}15'48$

MARCH 2029 00:00 UT

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T 1	10 36 21	10) (41'08	14 Mp 42	20≈55	5) 0	12°R33	26°R53	7 8 1	10 Ⅱ 17	7 Ƴ 32	9≈22	12°R17	11중 1	9 Υ 58	4 8 55	T 1
F 2	10 40 18	11°41'19	29°53	22°27	6°15	12 ≏ 22	26 ♀ 50	7° 7	10°17	7°34	9°24	12る8	10°58	10° 5	4°57	F 2
S 3	10 44 14	12°41'29	15 ♀ 2	24° 0	7°30	12° 9	26°46	7°12	10°18	7°36	9°26	11°59	10°54	10°12	5° 0	S 3
S 4	10 48 11	13°41'38	29°59	25°34	8°45	11°56	26°42	7°18	10°19	7°38	9°27	11°51	10°51	10°18	5° 2	S 4
M 5	10 52 7	14°41'44	14MJ36	27°10	10° 0	11°43	26°38	7°23	10°20	7°41	9°29	11°45	10°48	10°25	5° 5	M 5
T 6	10 56 4	15°41'49	28°49	28°46	11°14	11°28	26°34	7°29	10°21	7°43	9°30	11°41	10°45	10°32	5° 8	T 6
W 7	11 0 0	16°41'53	12×736	0)(23	12°29	11°13	26°30	7°35	10°22	7°45	9°32	11°D40	10°42	10°38	5°11	W 7
T 8	11 3 57	17°41'55	25°59	2° 2	13°44	10°57	26°25	7°41	10°23	7°47	9°34	11°40	10°39	10°45	5°13	T 8
F 9	11 7 54	18°41'56	9 ਰ 1	3°42	14°59	10°40	26°21	7°47	10°24	7°49	9°35	11°R41	10°35	10°52	5°16	F 9
S 10	11 11 50	19°41'55	21°44	5°23	16°14	10°23	26°16	7°53	10°25	7°51	9°37	11°40	10°32	10°59	5°19	S 10
S 11	11 15 47	20°41'52	4≈14	7° 5	17°29	10° 5	26°11	7°59	10°26	7°53	9°38	11°38	10°29	11° 5	5°22	S 11
M12	11 19 43	21°41'48	16°32	8°48	18°44	9°46	26° 6	8° 5	10°27	7°56	9°40	11°33	10°26	11°12	5°25	M12
T 13	11 23 40	22°41'41	28°42	10°32	19°59	9°27	26° 0	8°11	10°28	7°58	9°41	11°25	10°23	11°19	5°28	T 13
W14	11 27 36	23°41'33	10) (45	12°17	21°13	9° 7	25°55	8°17	10°30	8° 0	9°43	11°14	10°19	11°25	5°31	W14
T 15	11 31 33	24°41'23	22°43	14° 4	22°28	8°47	25°49	8°23	10°31	8° 2	9°44	11° 2	10°16	11°32	5°34	T 15
F 16	11 35 29	25°41'11	4 Υ 38	15°52	23°43	8°26	25°44	8°30	10°32	8° 5	9°45	10°48	10°13	11°39	5°37	F 16
S 17	11 39 26	26°40'57	16°30	17°41	24°58	8° 5	25°38	8°36	10°34	8° 7	9°47	10°33	10°10	11°46	5°40	S 17
S 18	11 43 23	27°40'41	28°22	19°31	26°13	7°44	25°32	8°42	10°35	8° 9	9°48	10°21	10° 7	11°52	5°43	S 18
M19	11 47 19	28°40'23	10814	21°22	27°27	7°22	25°26	8°49	10°37	8°11	9°50	10°10	10° 4	11°59	5°46	M19
T 20	11 51 16	29°40'02	22°10	23°15	28°42	7° 0	25°20	8°55	10°38	8°14	9°51	10° 2	10° 0	12° 6	5°49	T 20
W21	11 55 12	0 Υ 39'40	4 Ⅱ 13	25° 9	29°57	6°37	25°13	9° 2	10°40	8°16	9°52	9°57	9°57	12°13	5°53	W21
T 22	11 59 9	1°39'15	16°28	27° 4	1Υ11	6°14	25° 7	9° 9	10°42	8°18	9°54	9°54	9°54	12°19	5°56	T 22
F 23	12 3 5	2°38'48	28°58	29° 0	2°26	5°51	25° 0	9°15	10°44	8°20	9°55	9°53	9°51	12°26	5°59	F 23
S 24	12 7 2	3°38'19	119548	0 Ƴ 57	3°41	5°28	24°54	9°22	10°45	8°23	9°56	9°53	9°48	12°33	6° 2	S 24
S 25	12 10 58	4°37'47	25° 3	2°56	4°55	5° 5	24°47	9°29	10°47	8°25	9°57	9°53	9°44	12°39	6° 6	S 25
M26	12 14 55	5°37'13	8Ω47	4°55	6°10	4°41	24°40	9°36	10°49	8°27	9°59	9°51	9°41	12°46	6° 9	M26
T 27	12 18 52	6°36'37	23° 1	6°56	7°25	4°18	24°33	9°42	10°51	8°29	10° 0	9°46	9°38	12°53	6°12	T 27
W28	12 22 48	7°35'58	7 m 43	8°57	8°39	3°55	24°26	9°49	10°53	8°32	10° 1	9°39	9°35	13° 0	6°16	W28
T 29	12 26 45	8°35'17	22°48	10°59	9°54	3°31	24°19	9°56	10°55	8°34	10° 2	9°29	9°32	13° 6	6°19	T 29
F 30	12 30 41	9°34'34	8 亞 7	13° 2	11° 8	3° 8	24°12	10° 3	10°57	8°36	10° 3	9°18	9°29	13°13	6°23	F 30
S 31	12 34 38	10 Y 33'49	23 ₾ 28	15 Y 5	12 Y 23	2 ≏ 45	24 ♀ 4	10810	10耳59	8 Ƴ 38	10≈ 4	9 ට 7	9 궁 25	13 Y 20	6 8 26	S 31

Day	0	D	ğ		φ	♂		2	ŀ	ħ);	β(1 4		Р		'n	v	Ç	ķ	;
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T 1 F 2 S 3	7 s34 7 11 6 48	4s30 4 57	7 15 50		0s57 1s22 0 30 1 23 0 3 1 23	1 42	3n27 3 28 3 28	8 s 5 8 8 5 7 8 5 6	1 29	11n44 11 46 11 48	2 14	21n58 21 59 21 59	0 1	1n41 1 41 1 42	1 26		5 17	22 53	22 s59 22 59 22 59	8 43	12n18 12 18 12 19	0 s55 0 55 0 55
S 4 M 5 T 6 W 7 T 8 F 9	4 52	20 17 4 16 23 16 3 28 24 45 2 28 24 45 1 23	5 14 24 3 13 53 3 13 20 3 12 46	2 4 9 2 7 8 2 9 8 2 10 7	8 39 1 25 8 11 1 25 7 43 1 25	1 25 1 20 1 13 1 7	3 29 3 29 3 29 3 29 3 29	8 54 8 52 8 51 8 49 8 47	1 30 1 30 1 31	11 52 11 54 11 57 11 59	2 14 2 13 2 13 2 13 2 13	21 59 21 59 21 59 21 59	0 1 0 1 0 1 0 1	1 43 1 44 1 45 1 46 1 47	1 26 1 26 1 26 1 26	22 58 22 58 22 57	5 17 5 18 5 18 5 18	22 54 22 55 22 55 22 55 22 55	23 0 23 0 23 0 23 1	8 51 8 54 8 56 8 59	12 20 12 21 12 22 12 23 12 23	0 55 0 55 0 55 0 55 0 55 0 55
S 10 S 11	4 5 3 41	20 48 0n53 17 18 1 53	3 11 35 7 10 58	2 12 62 12 6	7 14 1 26 6 45 1 26 6 16 1 26	0 54 0 47	3 29 3 29 3 29	8 45 8 43 8 41	1 31 1 31	12 1 12 3 12 5	2 122 12	22 022 0	0 1	1 47 1 48 1 49	1 26	22 57	5 185 18	22 5522 5522 56	23 1 23 1	9497		0 55 0 55
M12 T 13 W14 T 15 F 16 S 17	3 18 2 54 2 30 2 7 1 43 1 19	8 27 3 42 3 32 4 19 1n29 4 45 6 24 4 58	9 39 9 8 58 5 8 15 7 31	2 12 5 2 10 4 2 9 4 2 7 3	5 47	0 33 0 25 0 18 0 10	3 29 3 29 3 28 3 28 3 27 3 27	8 39 8 37 8 35 8 33 8 31 8 29	1 31 1 31 1 32 1 32 1 32 1 32	12 7 12 9 12 11 12 13 12 16 12 18	2 12 2 12 2 11 2 11	22 0 22 0 22 0 22 1 22 1 22 1	0 1	1 50 1 51 1 52 1 53 1 54 1 54	1 26 1 26 1 26 1 26	22 56 22 56 22 56 22 56 22 55 22 55	5 19 5 19		23 2 23 2 23 2	9 12 9 15 9 18 9 20		0 56 0 56 0 56 0 56 0 56 0 56
S 18 M19 T 20 W21 T 22 F 23 S 24	1 3	19 0 4 20 21 55 3 44	0 5 14 4 4 25 7 3 36 0 2 46 7 1 54	1 58 2 1 54 1 1 49 1 1 44 0 1 39 0	2 49 1 25 2 19 1 25 1 49 1 25 1 18 1 24 0 48 1 23 0 18 1 23 0 112 1 22	0 13 0 21 0 29 0 37 0 46	3 26 3 25 3 25 3 24 3 23 3 21 3 20	8 26 8 24 8 22 8 19 8 17 8 14 8 12	1 32 1 32 1 33 1 33 1 33	12 20 12 22 12 25 12 27 12 29 12 31 12 34	2 11 2 10 2 10 2 10	22 2 22 2 22 3	0 1 0 1	1 55 1 56 1 57 1 58 1 59 2 0 2 1	1 26 1 26 1 26 1 26 1 26	22 55 22 55 22 55 22 55 22 55 22 54 22 54 22 54	5 20 5 20 5 20 5 20 5 20 5 21 5 21	23 3 23 3 23 4 23 4 23 4	23 3 23 4 23 4 23 4	9 39	12 34 12 35	0 56 0 56 0 56 0 56 0 56 0 56 0 56
S 25 M26 T 27 W28 T 29 F 30 S 31	1 50 2 14 2 37 3 1 3 24 3 48	19 49 1 19 15 42 2 26 10 35 3 27 4 43 4 19 1 833 4 48 7 49 5 6	0 0 9 5 0n45 7 1 40 5 2 35 8 3 31 0 4 27	1 26 0 1 19 1 1 11 1 1 3 2 0 54 2 0 45 3	0 43 1 21 1 13 1 21 1 43 1 20 2 13 1 19 2 43 1 18 3 14 1 17 3n44 1 s16	1 2 1 10 1 17 1 25 1 33 1 41	3 19 3 18 3 16 3 15 3 13 3 11 3n10	8 9 8 7 8 4 8 1 7 59 7 56 7 s53	1 33 1 33 1 33 1 33 1 33 1 33	12 36 12 38 12 40 12 43 12 45 12 47	2 10 2 10 2 9 2 9 2 9	22 3 22 3 22 4 22 4 22 4 22 4	0 1 0 0 0 0	2 2 2 2 2 3 2 4 2 5 2 6 2n 7	1 26 1 26 1 26 1 26 1 26 1 26	22 54 22 54 22 54 22 53 22 53	5 21 5 21 5 21 5 22 5 22 5 22	23 4 23 4 23 5 23 5 23 6 23 7	23 5 23 5 23 5 23 5	9 44 9 46 9 49 9 51 9 54 9 57	12 40 12 41 12 42 12 43 12 44	0 56 0 56 0 56 0 56 0 56 0 56 0 56

Julian Day Number = 2462196.5, Delta T = 69.08 sec Ecliptic obliquity = 23°26'10, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°08'52, Lahiri = 24°15'52

APRIL 2029 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	u	Ω	ţ	ę,	Day
S 1	12 38 34	11 Y 33'02	8 M .41	17 Y 8	13 Y 37	2°R22	23°R57	10817	11 I 1	8 Υ 41	10≈ 5	8°R57	9 3 22	13 Y 26	6 8 30	S 1
M 2	12 42 31	12°32'14	23°34	19°11	14°52	2 <u>₽</u> 0	23 <u>\$\pi\$</u> 50	10°25	11° 3	8°43	10° 6	8 국 49	9°19	13°33	6°33	M 2
T 3	12 46 27	13°31'23	8 × 1	21°14	16° 6	1°37	23°42	10°32	11° 6	8°45	10° 7	8°44	9°16	13°40	6°37	T 3
W 4	12 50 24	14°30'31	21°59	23°16	17°21	1°15	23°35	10°39	11°8	8°48	10° 8	8°42	9°13	13°47	6°40	W 4
T 5	12 54 21	15°29'37	5 云 28	25°18	18°35	0°53	23°27	10°46	11°10	8°50	10° 9	8°D41	9°10	13°53	6°44	T 5
F 6	12 58 17	16°28'41	18°32	27°18	19°49	0°32	23°20	10°53	11°12	8°52	10°10	8°R41	9° 6	14° 0	6°47	F 6
S 7	13 2 14	17°27'43	1≈14	29°17	21° 4	0°11	23°12	11° 1	11°15	8°54	10°11	8°40	9° 3	14° 7	6°51	S 7
S 8	13 6 10	18°26'44	13°38	1813	22°18	29 m 51	23° 5	11° 8	11°17	8°57	10°12	8°38	9° 0	14°14	6°55	S 8
M 9	13 10 7	19°25'43	25°49	3° 8	23°33	29°31	22°57	11°15	11°20	8°59	10°13	8°33	8°57	14°20	6°58	M 9
T 10	13 14 3	20°24'40	7 ∺ 51	4°59	24°47	29°11	22°49	11°23	11°22	9° 1	10°14	8°26	8°54	14°27	7° 2	T 10
W11	13 18 0	21°23'35	19°47	6°48	26° 1	28°53	22°41	11°30	11°25	9° 3	10°15	8°15	8°50	14°34	7° 6	W11
T 12	13 21 56	22°22'28	1 Υ 40	8°33	27°16	28°34	22°34	11°37	11°27	9° 6	10°16	8° 3	8°47	14°40	7° 9	T 12
F 13	13 25 53	23°21'20	13°32	10°15	28°30	28°17	22°26	11°45	11°30	9°8	10°16	7°49	8°44	14°47	7°13	F 13
S 14	13 29 49	24°20'09	25°24	11°52	29°44	28° 0	22°18	11°52	11°32	9°10	10°17	7°36	8°41	14°54	7°17	S 14
S 15	13 33 46	25°18'56	7 8 17	13°25	0 8 58	27°43	22°11	12° 0	11°35	9°12	10°18	7°23	8°38	15° 1	7°20	S 15
M16	13 37 43	26°17'42	19°14	14°54	2°13	27°28	22° 3	12° 7	11°38	9°14	10°18	7°12	8°35	15° 7	7°24	M16
T 17	13 41 39	27°16'25	1 I I16	16°18	3°27	27°13	21°55	12°15	11°41	9°17	10°19	7° 4	8°31	15°14	7°28	T 17
W18	13 45 36	28°15'07	13°25	17°38	4°41	26°59	21°48	12°22	11°43	9°19	10°20	6°59	8°28	15°21	7°32	W18
T 19	13 49 32	29°13'46	25°44	18°52	5°55	26°45	21°40	12°30	11°46	9°21	10°20	6°57	8°25	15°28	7°35	T 19
F 20	13 53 29	0812'23	8 9 517	20° 1	7° 9	26°32	21°33	12°38	11°49	9°23	10°21	6°D56	8°22	15°34	7°39	F 20
S 21	13 57 25	1°10'58	21° 7	21° 5	8°24	26°20	21°25	12°45	11°52	9°25	10°22	6°57	8°19	15°41	7°43	S 21
S 22	14 1 22	2° 9'31	4Ω 18	22° 3	9°38	26° 9	21°18	12°53	11°55	9°27	10°22	6°R57	8°16	15°48	7°47	S 22
M23	14 5 18	3° 8'01	17°54	22°56	10°52	25°59	21°10	13° 0	11°58	9°29	10°23	6°56	8°12	15°54	7°50	M23
T 24	14 9 15	4° 6'29	1 m 57	23°44	12° 6	25°49	21° 3	13° 8	12° 1	9°32	10°23	6°53	8° 9	16° 1	7°54	T 24
W25	14 13 12	5° 4'55	16°26	24°26	13°20	25°41	20°55	13°16	12° 3	9°34	10°24	6°48	8° 6	16° 8	7°58	W25
T 26	14 17 8	6° 3'19	1 ≏ 18	25° 2	14°34	25°33	20°48	13°23	12° 6	9°36	10°24	6°40	8° 3	16°15	8° 2	T 26
F 27	14 21 5	7° 1'41	16°27	25°32	15°48	25°25	20°41	13°31	12° 9	9°38	10°24	6°32	8° 0	16°21	8° 6	F 27
S 28	14 25 1	8° 0'01	1 M .42	25°57	17° 2	25°19	20°34	13°39	12°13	9°40	10°25	6°23	7°56	16°28	8° 9	S 28
S 29	14 28 58	8°58'19	16°53	26°16	18°16	25°13	20°27	13°47	12°16	9°42	10°25	<u>6</u> °15	<u>7</u> °53	16°35	8°13	S 29
M30	14 32 54	9 8 56'36	1 ~ 49	26 8 30	19830	25Mp 9	20 ₽ 20	13854	12耳19	9 Y 44	10≈25	6 ප 9	7 云 50	16 Y 41	8 8 17	M30

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S 1 M 2	-	18 s 30 4 s 2 22 7 3 3		0s25 4n14 0 15 4 44		1n56 2 3	3n 8 3 6	7 s 5 1 7 4 8	1n34 1 34	12n52 12 54	2s 9 2 9	22n 5 22 5				22 s53 22 53	5 s22 5 23		23 s 6		12n48 12 49	0 s 5 6 0 5 6
T 3 W 4	5 20 5 43		34 8 13 27 9 9	0 4 5 13 0n 7 5 43		2 10 2 17	3 4 3 2	7 45 7 42	1 34 1 34	12 57 12 59	2 8 2 8		$\begin{array}{ccc} 0 & 0 \\ 0 & 0 \end{array}$	2 10 2 10	1 26 1 26		5 23 5 23		,	10 7 10 9	12 50 12 51	0 57 0 57
T 5	6 6	23 36 0 1	7 10 4	0 18 6 13	1 9	2 24	3 0	7 39	1 34	13 1	2 8	22 6	0 0	2 11	1 26	22 53	5 23	23 9	23 7	10 12	12 52	0 57
F 6 S 7	6 29 6 51		52 10 58 56 11 51	0 29 6 42 0 41 7 11		2 30 2 36	2 57 2 55	7 37 7 34	1 34 1 34	13 4 13 6	2 8 2 8			2 12 2 13	1 26 1 26	22 53 22 53	5 23 5 24		23 7	10 15	12 53 12 54	0 57 0 57
S 8 M 9 T 10	7 14 7 36 7 58			0 52 7 41 1 4 8 9 1 15 8 38	1 3	2 422 482 54	2 53 2 51 2 48	7 31 7 28 7 25	1 34 1 34 1 34	13 8 13 11 13 13	2 8 2 8 2 8	22 8	0 0	2 15	1 26	22 53 22 52 22 52	-	23 9 23 10 23 10	23 8	10 20 10 22 10 25	12 57	0 57 0 57 0 57
W11 T 12 F 13	8 21 8 42 9 4		15 15 8 58 15 52 59 16 34	1 26 9 7 1 36 9 35 1 47 10 3	0 58	2 59 3 4 3 9	2 46 2 43 2 41	7 22 7 20 7 17	1 34 1 34 1 34	13 16 13 18 13 20	2 7 2 7 2 7		0 0			22 52 22 52 22 52	5 25	23 11 23 11 23 12	23 9	10 50	13 0	0 57 0 57 0 57
S 14	9 26	14 15 4 4	16 17 14	1 56 10 31	0 55	3 13	2 38	7 14	1 34	13 23	2 7	22 10	0 0	2 19	1 26	22 52	5 25	23 13	23 9	10 35	13 2	0 57
S 15 M16 T 17 W18	9 48 10 9 10 30 10 51	21 8 3 4 23 18 2 5	14 18 26	2 5 10 59 2 14 11 26 2 21 11 53 2 28 12 20	0 51 0 49	3 17 3 21 3 25 3 28	2 36 2 33 2 31 2 28	7 11 7 8 7 6 7 3	1 34 1 34 1 34 1 34	13 25 13 27 13 30 13 32	2 7 2 7 2 7 2 7	22 10		2 20 2 21 2 22 2 22	1 26 1 26	22 52	5 26 5 26	23 14 23 15	23 9 23 10 23 10 23 10 23 10	10 40 10 43	13 5 13 6	0 57 0 57 0 57 0 57
F 20	11 33	24 21 0 5 23 3 0s	59 19 54 7 20 18 15 20 39	2 34 12 47 2 39 13 13 2 44 13 39	0 45 0 43	3 31 3 34 3 36	2 26 2 23 2 20	7 0 6 57 6 54	1 33 1 33 1 33	13 34 13 37	2 7 2 7	22 11 22 12 22 12		2 23 2 24	1 26 1 26	22 53 22 53 22 53	5 26 5 27	23 15 23 15	23 10 23 10 23 11	10 48 10 50	13 8 13 9	0 57 0 58 0 58
S 22 M23 T 24	12 13 12 33 12 53	12 17 3 2	20 20 58 20 21 14 10 21 27	2 47 14 5 2 49 14 30 2 50 14 55	0 37	3 38 3 40 3 41	2 18 2 15 2 12	6 52 6 49 6 46	1 33 1 33 1 33		2 7 2 6 2 6		0 0	-	1 26 1 26 1 26		5 27	23 15	23 11 23 11 23 11	10 58	13 13	0 58 0 58 0 58
W25 T 26 F 27	13 13 13 32 13 51	0 58 4 4 5s 9 5	15 21 37 3 21 45 0 21 50	2 50 15 19 2 49 15 43 2 46 16 7	0 33 0 30	3 42 3 43 3 43	2 10 2 7 2 4	6 44 6 41 6 39	1 33 1 33 1 33	13 49 13 51 13 53	2 6 2 6 2 6	22 14 22 14	0 0 0	2 28 2 29 2 30	1 26 1 26	22 53 22 53	5 28 5 28	23 16 23 16	23 11 5 23 11 5 23 12	11 3 11 5	13 15 13 16	0 58 0 58 0 58
S 28 S 29			35 21 53 52 21 52	2 43 16 31 2 38 16 53		3 43 3 43	2 2 1 59	6 36 6 34		13 56 13 58		22 15 22 15				22 53 22 53			23 12			0 58 0 58
M30	-		53 21n50			3n43				14n 0		22n16				22 s54			23 s12	_		0 s58

Julian Day Number = 2462227.5, Delta T = 69.10 sec Ecliptic obliquity = $23^{\circ}26'10$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $25^{\circ}08'56$, Lahiri = $24^{\circ}15'56$

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	Ω	Ç	Ŷ,	Day
T 1	14 36 51	10854'50	16 × 23	26 8 38	20844	25°R 4	20°R13	148 2	12Ⅲ22	9Υ46	10≈26	6°R 5	7 云 47	16 Y 48	8821	T 1
W 2	14 40 47	11°53'04	0 云 30	26°R40	21°58	25 mg 1	20 <u>₽</u> 6	14°10	12°25	9°48	10°26	6°D 3	7°44	16°55	8°25	W 2
T 3	14 44 44	12°51'16	14° 8	26°38	23°12	24°59	20° 0	14°17	12°28	9°50	10°26	6 ට 3	7°41	17° 2	8°28	T 3
F 4	14 48 41	13°49'26	27°18	26°30	24°25	24°57	19°53	14°25	12°31	9°52	10°26	6° 4	7°37	17° 8	8°32	F 4
S 5	14 52 37	14°47'35	10≈ 4	26°17	25°39	24°56	19°47	14°33	12°35	9°54	10°27	6°R 5	7°34	17°15	8°36	S 5
S 6	14 56 34	15°45'42	22°31	26° 0	26°53	24°D56	19°40	14°40	12°38	9°56	10°27	6° 5	7°31	17°22	8°40	S 6
M 7	15 0 30	16°43'48	4) (42	25°38	28° 7	24°56	19°34	14°48	12°41	9°58	10°27	6° 3	7°28	17°29	8°43	M 7
T 8	15 4 27	17°41'52	16°42	25°13	29°21	24°58	19°28	14°56	12°44	10° 0	10°27	6° 0	7°25	17°35	8°47	T 8
W 9	15 8 23	18°39'55	28°36	24°45	0Д35	25° 0	19°22	15° 4	12°48	10° 2	10°27	5°54	7°21	17°42	8°51	W 9
T 10	15 12 20	19°37'57	10 Υ 27	24°13	1°48	25° 2	19°16	15°11	12°51	10° 3	10°27	5°46	7°18	17°49	8°55	T 10
F 11	15 16 16	20°35'57	22°19	23°40	3° 2	25° 6	19°11	15°19	12°54	10° 5	10°R27	5°38	7°15	17°55	8°58	F 11
S 12	15 20 13	21°33'56	4 8 13	23° 5	4°16	25°10	19° 5	15°27	12°58	10° 7	10°27	5°29	7°12	18° 2	9° 2	S 12
S 13	15 24 10	22°31'53	16°12	22°30	5°29	25°15	19° 0	15°34	13° 1	10° 9	10°27	5°22	7° 9	18° 9	9° 6	S 13
M14	15 28 6	23°29'49	28°17	21°54	6°43	25°20	18°54	15°42	13° 4	10°11	10°27	5°15	7° 6	18°16	9°10	M14
T 15	15 32 3	24°27'43	10Ⅱ29	21°18	7°57	25°27	18°49	15°50	13° 8	10°12	10°27	5°11	7° 2	18°22	9°13	T 15
W16	15 35 59	25°25'36	22°51	20°44	9°11	25°34	18°44	15°57	13°11	10°14	10°27	5° 8	6°59	18°29	9°17	W16
T 17	15 39 56	26°23'27	5922	20°10	10°24	25°41	18°39	16° 5	13°14	10°16	10°27	5°D 7	6°56	18°36	9°21	T 17
F 18	15 43 52	27°21'17	18° 7	19°39	11°38	25°49	18°34	16°13	13°18	10°18	10°27	5° 8	6°53	18°42	9°24	F 18
S 19	15 47 49	28°19'05	1 0 6	19°11	12°51	25°58	18°30	16°20	13°21	10°19	10°26	5° 9	6°50	18°49	9°28	S 19
S 20	15 51 45	29°16'51	14°22	18°46	14° 5	26° 8	18°25	16°28	13°25	10°21	10°26	5°11	6°47	18°56	9°32	S 20
M21	15 55 42	0 Ⅱ 14'36	27°58	18°24	15°19	26°18	18°21	16°35	13°28	10°22	10°26	5°R11	6°43	19° 3	9°35	M21
T 22	15 59 39	1°12'19	11 m 53	18° 5	16°32	26°29	18°17	16°43	13°32	10°24	10°26	5°11	6°40	19° 9	9°39	T 22
W23	16 3 35	2°10'00	26° 9	17°51	17°46	26°40	18°13	16°51	13°35	10°26	10°25	5° 9	6°37	19°16	9°42	W23
T 24	16 7 32	3° 7'40	10 ≏ 43	17°41	18°59	26°52	18° 9	16°58	13°39	10°27	10°25	5° 6	6°34	19°23	9°46	T 24
F 25	16 11 28	4° 5'18	25°31	17°35	20°12	27° 5	18° 6	17° 6	13°42	10°29	10°25	5° 2	6°31	19°29	9°50	F 25
S 26	16 15 25	5° 2'55	10 M 25	17°D34	21°26	27°18	18° 2	17°13	13°46	10°30	10°24	4°58	6°27	19°36	9°53	S 26
S 27	16 19 21	6° 0'30	25°18	17°37	22°39	27°31	17°59	17°21	13°49	10°32	10°24	4°54	6°24	19°43	9°57	S 27
M28	16 23 18	6°58'04	10 × 2	17°44	23°53	27°45	17°56	17°28	13°53	10°33	10°23	4°51	6°21	19°50	10° 0	M28
T 29	16 27 14	7°55'38	24°29	17°57	25° 6	28° 0	17°53	17°35	13°56	10°35	10°23	4°49	6°18	19°56	10° 4	T 29
W30	16 31 11	8°53'10	8 조 33	18°13	26°19	28°15	17°50	17°43	14° 0	10°36	10°22	4°D49	6°15	20° 3	10° 7	W30
T 31	16 35 8	9 Ⅲ 50'41	22 る 13	18 8 34	27 II 33	28 m 31	17 ≏ 48	17850	14 I I 3	10 Ƴ 37	10≈22	4 る 50	6 ප 12	20 Υ 10	10810	T 31

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T 1 W 2 T 3 F 4	15 24 15 42 15 59	23 56 0 30 21 58 0n43 18 52 1 52	21 27 2 6 21 14 1 55	17 59 0 16 18 21 0 14 18 41 0 12	3n42 1n54 3 41 1 51 3 39 1 49 3 38 1 46	6 26 1 32 6 24 1 32 6 22 1 32	14 5 2 6 14 7 2 6 14 9 2 6	22n16	2 34 1 26 2 34 1 26 2 35 1 26	22 54 5 29 22 54 5 29 22 54 5 30	23 18 23	3 11 20 3 11 22 3 11 25	13 23 0 58 13 24 0 58 13 25 0 59
S 5 S 6 M 7 T 8 W 9 T 10		10 29 3 43 5 42 4 23 0 47 4 50 4n 6 5 5	20 3 1 1 1 19 41 0 45 2	19 21 0 7 19 40 0 4 19 59 0 2 20 17 0n 1	3 36 1 43 3 34 1 41 3 31 1 38 3 28 1 36 3 25 1 33 3 22 1 31	6 17 1 31 6 15 1 31 6 13 1 31 6 11 1 31	14 14 2 6 14 16 2 6 14 19 2 6 14 21 2 6	22 18 0 0 22 18 0 0 22 19 0 0 22 19 0 0 22 20 0 0 22 20 0 0	2 37 1 26 2 37 1 26 2 38 1 26 2 39 1 26	22 55 5 30 22 55 5 30		3 11 30 4 11 32 4 11 35 4 11 37	13 28 0 59 13 29 0 59 13 30 0 59 13 31 0 59
F 11 S 12	17 54 18 9	13 14 4 55 17 9 4 30	18 52 0 11 2 18 27 0s 6	20 51 0 6 21 8 0 8	3 18 1 29 3 14 1 26	6 7 1 31 6 5 1 30	14 25 2 6 14 28 2 6	22 20 0 0 22 21 0 0	2 40 1 26 2 41 1 26	22 56 5 31 22 56 5 32	23 19 23 1 23 19 23 1	4 11 42 4 11 44	13 33 0 59 13 34 0 59
S 13 M14 T 15 W16 T 17 F 18 S 19	18 39 18 53 19 7 19 21 19 34	24 21 1 6 23 18 0s 1	17 35 0 41 2 17 9 0 58 2 16 43 1 16 2 16 18 1 32 2 15 55 1 48 2	21 39 0 13 21 53 0 16 22 7 0 18 22 21 0 20 22 33 0 23	2 56 1 17	6 1 1 30 5 59 1 30 5 57 1 30 5 56 1 29 5 54 1 29	14 32 2 6 14 34 2 6 14 36 2 6 14 39 2 6 14 41 2 6	22 21 0 0 22 22 0 0 22 22 0 0 22 23 0 0 22 23 0 0 22 24 0 0 22 24 0 0	2 42 1 27 2 43 1 27 2 43 1 27 2 44 1 27 2 45 1 27	22 57 5 32 22 57 5 33	23 20 23 23 23 20 23 23 20 23 20 23 23 20 23 23 20 23 23 20 23 23 20 20 20 20 20 20 20 20 20 20 20 20 20	5 11 49 5 11 52 5 11 54 5 11 57 5 11 59	13 36 0 59 13 38 0 59 13 39 1 0 13 40 1 0
S 20 M21 T 22 W23 T 24 F 25 S 26	20 12 20 24 20 35 20 47 20 58	2 41 4 47 3 s 11 5 8	14 52 2 31 2 14 35 2 44 2 14 20 2 55 2 14 8 3 6 2 13 57 3 15 2	23 8 0 30 23 18 0 33 23 27 0 35 23 36 0 37 23 44 0 40	2 22 1 4 2 16 1 1 2 9 0 59 2 2 0 57	5 50 1 29 5 48 1 28 5 47 1 28 5 46 1 28 5 45 1 28	14 47 2 6 14 49 2 6 14 51 2 6 14 53 2 6 14 56 2 6	22 24 0n 0 22 25 0 0 22 25 0 0 22 26 0 0 22 26 0 0 22 27 0 0 22 27 0 0	2 47 1 27 2 47 1 27 2 48 1 27 2 48 1 27 2 49 1 27	22 59 5 34 22 59 5 34 22 59 5 35	23 20 23 23 23 20 20 20 20 20 20 20 20 20 20 20 20 20	6 12 6 6 12 9 6 12 11 6 12 13 7 12 16	13 47 1 0 13 48 1 0
M28 T 29 W30	21 28 21 38 21 47	22 19 3 20 24 7 2 12 24 16 0 56 22 49 0n21 20s 3 1n34	13 39 3 36 2 13 38 3 41 2 13 39 3 45 2	24 4 0 47 24 10 0 49 24 14 0 51	1 48 0 53 1 41 0 51 1 33 0 49 1 25 0 47 1n17 0n45	5 42 1 27 5 41 1 27 5 40 1 26	15 2 2 6 15 4 2 6 15 6 2 6	22 27 0 0 22 28 0 0 22 28 0 0 22 29 0 0 22 29 0 0	2 50 1 27 2 51 1 27 2 51 1 27	23 0 5 35 23 1 5 35 23 1 5 36	23 21 23 23 23 21 23 23 21 23 21 23 21 23 21 23 821 23 8	7 12 23 7 12 25 7 12 28	13 51 1 1 13 52 1 1 13 53 1 1

Julian Day Number = 2462257.5, Delta T = 69.12 sec Ecliptic obliquity = 23°26′09, Nutation = 0°00′16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°09′00, Lahiri = 24°16′01

JUNE 2029 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	u	Ω	Ç	Ŷ,	Day
F 1	16 39 4	10 川 48'11	5≈28	198 0	28∏46	28 m 47	17°R45	17 8 58	14 I 7	10 Y 39	10°R21	4 ට 51	6 පි	20 Υ 17	10814	F 1
S 2	16 43 1	11°45'40	18°19	19°29	29°59	29° 4	17 ≏ 43	18° 5	14°10	10°40	10≈21	4°53	6° 5	20°23	10°17	S 2
$ _{S}$ 3	16 46 57	12°43'09	0 ¥ 50	20° 3	19913	29°21	17°41	18°12	14°14	10°41	10°20	4°54	6° 2	20°30	10°21	S 3
M 4	16 50 54	13°40'37	13° 4	20°41	2°26	29°38	17°39	18°19	14°17	10°43	10°20	4°R54	5°59	20°37	10°24	M 4
T 5	16 54 50	14°38'04	25° 6	21°23	3°39	29°56	17°38	18°27	14°21	10°44	10°19	4°54	5°56	20°43	10°27	T 5
W 6	16 58 47	15°35'30	7 Υ 1	22° 8	4°52	0 ჲ 15	17°36	18°34	14°24	10°45	10°18	4°53	5°53	20°50	10°30	W 6
T 7	17 2 43	16°32'56	18°53	22°58	6° 6	0°34	17°35	18°41	14°28	10°46	10°18	4°51	5°49	20°57	10°34	T 7
F 8	17 6 40	17°30'21	0846	23°51	7°19	0°53	17°34	18°48	14°32	10°47	10°17	4°48	5°46	21° 4	10°37	F 8
S 9	17 10 37	18°27'45	12°44	24°47	8°32	1°13	17°33	18°55	14°35	10°49	10°16	4°46	5°43	21°10	10°40	S 9
S 10	17 14 33	19°25'09	24°49	25°48	9°45	1°33	17°32	19° 2	14°39	10°50	10°16	4°43	5°40	21°17	10°43	S 10
M11	17 18 30	20°22'32	7 I 3	26°51	10°58	1°54	17°31	19° 9	14°42	10°51	10°15	4°42	5°37	21°24	10°46	M11
T 12	17 22 26	21°19'55	19°29	27°58	12°11	2°15	17°31	19°16	14°46	10°52	10°14	4°40	5°33	21°30	10°49	T 12
W13	17 26 23	22°17'17	295 7	29° 9	13°25	2°36	17°30	19°23	14°49	10°53	10°13	4°D40	5°30	21°37	10°53	W13
T 14	17 30 19	23°14'38	14°58	0П23	14°38	2°58	17°D30	19°30	14°53	10°54	10°12	4°40	5°27	21°44	10°56	T 14
F 15	17 34 16	24°11'58	28° 2	1°39	15°51	3°20	17°31	19°37	14°56	10°55	10°12	4°41	5°24	21°51	10°59	F 15
S 16	17 38 13	25° 9'17	11 \O 20	3° 0	17° 4	3°43	17°31	19°44	15° 0	10°56	10°11	4°42	5°21	21°57	11° 2	S 16
S 17	17 42 9	26° 6'36	24°52	4°23	18°17	4° 6	17°31	19°50	15° 3	10°57	10°10	4°42	5°18	22° 4	11° 4	S 17
M18	17 46 6	27° 3'54	8 m)37	5°49	19°30	4°29	17°32	19°57	15° 7	10°57	10° 9	4°43	5°14	22°11	11° 7	M18
T 19	17 50 2	28° 1'10	22°35	7°19	20°43	4°53	17°33	20° 4	15°10	10°58	10° 8	4°R43	5°11	22°17	11°10	T 19
W20	17 53 59	28°58'26	6 <u>₽</u> 45	8°51	21°56	5°17	17°34	20°10	15°14	10°59	10° 7	4°43	5° 8	22°24	11°13	W20
T 21	17 57 55	29°55'42	21° 5	10°27	23° 9	5°41	17°35	20°17	15°17	11° 0	10° 6	4°43	5° 5	22°31	11°16	T 21
F 22	18 1 52	0952'56	5 M .31	12° 5	24°21	6° 6	17°36	20°23	15°21	11° 0	10° 5	4°43	5° 2	22°38	11°19	F 22
S 23	18 5 48	1°50'10	19°59	13°47	25°34	6°31	17°38	20°30	15°24	11° 1	10° 4	4°42	4°59	22°44	11°21	S 23
S 24	18 9 45	2°47'23	4 ₹ 26	15°31	26°47	6°56	17°40	20°36	15°27	11° 2	10° 3	4°42	4°55	22°51	11°24	S 24
M25	18 13 42	3°44'36	18°45	17°19	28° 0	7°22	17°42	20°43	15°31	11° 2	10° 2	4°42	4°52	22°58	11°27	M25
T 26	18 17 38	4°41'49	2 る 52	19° 9	29°13	7°48	17°44	20°49	15°34	11° 3	10° 1	4°42	4°49	23° 4	11°29	T 26
W27	18 21 35	5°39'01	16°43	21° 2	0 Ω 25	8°14	17°46	20°55	15°38	11° 4	10° 0	4°42	4°46	23°11	11°32	W27
T 28	18 25 31	6°36'13	0≈14	22°57	1°38	8°41	17°48	21° 1	15°41	11° 4	9°59	4°42	4°43	23°18	11°34	T 28
F 29	18 29 28	7°33'25	13°25	24°55	2°51	9° 7	17°51	21° 8	15°44	11° 5	9°58	4°42	4°39	23°25	11°37	F 29
S 30	18 33 24	8930'36	26≈16	26耳56	4 Ω 3	9 ॒ 35	17 ≏ 54	21814	15 Ⅱ 48	11 ° 5	9 ≈ 56	4 ප 41	4 궁 36	23 Y 31	11 8 39	S 30

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S 3 M 4 T 5 W 6	22 19 22 26 22 33 22 39	2 9 2n48 7 36	5 10 5 15	14 3 14 14 14 26 14 41		24 27 24 27 24 27	1 0 1 2 1 4 1 6	0 52 0 44 0 35 0 26	0 40 0 38 0 36 0 34	5 37 5 37 5 36	1 25 1 25 1 25 1 25	15 16 15 17 15 19	2 6 2 6 2 6 2 6	22 31 22 31 22 32	0 0 0 0 0 0	2 54 2 54 2 55	1 27 1 27 1 28 1 28	23 2 23 3 23 3 23 3	5 37 5 37 5 37	23 21 23 21 23 21	23 18 23 18 23 18 23 18	12 39 12 42 12 44	13 58 13 59 14 0	1 1 1 1 1 2 1 2
F 8 S 9	22 45 22 51 22 56	16 10	4 43	14 56 15 13 15 32		24 25 24 24 24 21	1 8 1 10 1 12	0 17 0 7 0s 2	0 33 0 31 0 29	5 36 5 36 5 36	1 24 1 24 1 24		2 6 2 6 2 6		0 0	2 55 2 56 2 56	1 28 1 28 1 28	23 4 23 4 23 5	5 38	23 21	23 18 23 19 23 19	12 49	14 2	1 2 1 2 1 2
T 14 F 15	-	23 54 24 24 23 39 121 39 18 30 2	2 27 1 23 0 14 0 s57 2 6	15 52 16 12 16 34 16 57 17 20 17 44 18 8	3 20 3 13 3 6 2 58 2 49		1 13 1 15 1 17 1 19 1 20 1 22 1 23	0 12 0 21 0 31 0 41 0 51 1 2 1 12	0 26 0 24 0 23 0 21 0 19	5 36 5 36 5 36 5 36 5 36 5 36 5 37	1 24 1 23 1 23 1 23 1 22 1 22 1 22	15 30 15 32 15 34 15 36	2 7 2 7 2 7 2 7 2 7 2 7	22 34 22 34 22 35	0 0 0 0 0 0 0 0 0 0	2 57 2 57 2 57 2 58 2 58	1 28 1 28 1 28 1 28 1 28 1 28 1 28	23 5 23 6 23 6 23 7 23 7	5 38 5 38 5 39 5 39 5 39	23 21 23 21 23 21 23 21 23 21 23 21	23 19 23 19 23 19 23 19 23 19 23 20 23 20	12 56 12 58 13 0 13 3 13 5	14 4 14 5 14 6 14 7	1 2 1 2 1 2 1 2 1 3 1 3 1 3
W20 T 21 F 22		3 56 1 s48 7 31 12 55 17 38	4 45 5 10 5 17 5 4	18 33 18 58 19 23 19 48 20 13 20 38 21 2	2 20 2 10 1 59 1 49 1 37	23 35 23 26 23 17 23 7 22 56 22 44 22 32	1 25 1 26 1 27 1 29 1 30 1 31 1 32	1 23 1 33 1 44 1 55 2 6 2 17 2 28	0 15 0 13 0 12 0 10 0 9	5 38 5 38 5 39	1 22 1 21 1 21 1 21 1 21 1 20 1 20	15 41 15 43 15 44 15 46 15 48	2 8	22 37 22 37	0 0 0 0 0 0 0 0 0 0	2 59 2 59 2 59 3 0 3 0		23 8 23 9 23 9 23 10 23 10	5 39 5 40 5 40 5 40 5 40	23 21 23 21 23 21 23 21 23 21 23 21	23 20 23 20 23 20 23 20 23 20 23 20 23 21	13 12 13 14 13 16 13 19 13 21	14 10 14 11 14 11 14 12 14 13	1 3 1 3 1 3 1 3 1 3 1 3 1 4
W27 T 28 F 29	23 23 23 21 23 19 23 16	24 25 23 34 21 18 17 52 13 37	1 27 0 10 1n 6 2 17 3 19	22 29 22 48	1 2 0 51 0 39 0 27 0 15	21 52 21 37 21 22	1 33 1 34 1 35 1 36 1 37 1 37 1n38	2 40 2 51 3 2 3 14 3 26 3 38 3 s49	0 5 0 3 0 2 0 1 0s 1	5 42 5 43 5 44 5 45 5 46 5 48 5 849	1 20 1 19 1 19 1 19 1 19 1 18 1n18	15 52 15 54 15 55 15 57	2 8 2 8 2 8 2 8 2 8	22 40 22 40	0 0 0 0 0 0	3 1 3 1 3 1 3 1 3 1	1 29 1 29 1 29 1 29 1 29	23 12 23 12 23 12 23 13	5 41 5 41 5 41 5 41 5 41	23 21 23 21 23 21 23 21 23 21 23 21	23 21 23 21 23 21 23 21 23 21 23 21 23 s21	13 28 13 30 13 32 13 35 13 37	14 15 14 16 14 16 14 17 14 18	1 4 1 4 1 4 1 4 1 4

Julian Day Number = 2462288.5, Delta T = 69.14 sec Ecliptic obliquity = $23^{\circ}26'08$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $25^{\circ}09'04$, Lahiri = $24^{\circ}16'05$

JULY 2029 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)∤(¥	Р	u	Ω	ţ	ę,	Day
S 1	18 37 21	99527'48	8)(48	28 II 58	5Ω16	10₽ 2	17 Ω 56	21820	15 I I51	11 ° 6	9°R55	4°R41	4 る 33	23 Y 38	11842	S 1
M 2	18 41 17	10°25'00	21° 4	195 2	6°29	10°30	18° 0	21°26	15°54	11° 6	9≈54	4 る 40	4°30	23°45	11°44	M 2
T 3	18 45 14	11°22'12	3 Υ 9	3° 8	7°41	10°57	18° 3	21°32	15°58	11° 6	9°53	4°40	4°27	23°52	11°46	T 3
W 4	18 49 11	12°19'24	15° 5	5°16	8°54	11°26	18° 6	21°37	16° 1	11° 7	9°52	4°D40	4°24	23°58	11°49	W 4
T 5	18 53 7	13°16'36	26°58	7°24	10° 6	11°54	18°10	21°43	16° 4	11° 7	9°51	4°40	4°20	24° 5	11°51	T 5
F 6	18 57 4	14°13'49	8 8 52	9°33	11°19	12°23	18°14	21°49	16° 7	11° 7	9°49	4°41	4°17	24°12	11°53	F 6
S 7	19 1 0	15°11'02	20°52	11°43	12°31	12°52	18°17	21°55	16°11	11° 8	9°48	4°42	4°14	24°18	11°55	S 7
S 8	19 4 57	16° 8'15	3 II 1	13°53	13°44	13°21	18°22	22° 0	16°14	11° 8	9°47	4°43	4°11	24°25	11°57	S 8
M 9	19 8 53	17° 5'29	15°23	16° 3	14°56	13°50	18°26	22° 6	16°17	11° 8	9°46	4°44	4° 8	24°32	11°59	M 9
T 10	19 12 50	18° 2'43	28° 1	18°13	16° 9	14°20	18°30	22°11	16°20	11° 8	9°44	4°44	4° 5	24°39	12° 1	T 10
W11	19 16 46	18°59'57	10956	20°22	17°21	14°50	18°35	22°17	16°23	11° 8	9°43	4°R44	4° 1	24°45	12° 3	W11
T 12	19 20 43	19°57'11	24° 9	22°31	18°33	15°20	18°39	22°22	16°26	11°8	9°42	4°43	3°58	24°52	12° 5	T 12
F 13	19 24 40	20°54'26	7 Ω 38	24°38	19°46	15°51	18°44	22°27	16°29	11° 8	9°41	4°42	3°55	24°59	12° 7	F 13
S 14	19 28 36	21°51'40	21°22	26°45	20°58	16°21	18°49	22°32	16°32	11°R 8	9°39	4°40	3°52	25° 5	12° 9	S 14
S 15	19 32 33	22°48'55	5 m)18	28°50	22°10	16°52	18°54	22°37	16°35	11° 8	9°38	4°38	3°49	25°12	12°11	S 15
M16	19 36 29	23°46'10	19°23	$0\Omega53$	23°22	17°23	19° 0	22°42	16°38	11°8	9°37	4°35	3°45	25°19	12°12	M16
T 17	19 40 26	24°43'25	3 ≙ 34	2°55	24°35	17°55	19° 5	22°47	16°41	11°8	9°35	4°34	3°42	25°26	12°14	T 17
W18	19 44 22	25°40'40	17°48	4°56	25°47	18°26	19°11	22°52	16°44	11°8	9°34	4°33	3°39	25°32	12°16	W18
T 19	19 48 19	26°37'55	2 m 2	6°55	26°59	18°58	19°17	22°57	16°47	11°8	9°33	4°D32	3°36	25°39	12°17	T 19
F 20	19 52 15	27°35'10	16°13	8°52	28°11	19°30	19°22	23° 2	16°50	11°8	9°31	4°33	3°33	25°46	12°19	F 20
S 21	19 56 12	28°32'26	0 ₹ 20	10°47	29°23	20° 2	19°29	23° 6	16°53	11° 8	9°30	4°35	3°30	25°52	12°20	S 21
S 22	20 0 9	29°29'41	14°20	12°41	0 m 35	20°34	19°35	23°11	16°56	11° 7	9°29	4°36	3°26	25°59	12°22	S 22
M23	20 4 5	0 Ω 26'58	28°12	14°33	1°47	21° 7	19°41	23°16	16°59	11° 7	9°27	4°R37	3°23	26° 6	12°23	M23
T 24	20 8 2	1°24'14	11 る 53	16°23	2°59	21°39	19°48	23°20	17° 1	11° 7	9°26	4°37	3°20	26°13	12°24	T 24
W25	20 11 58	2°21'31	25°22	18°12	4°11	22°12	19°54	23°24	17° 4	11° 7	9°25	4°35	3°17	26°19	12°26	W25
T 26	20 15 55	3°18'49	8 ≈ 37	19°58	5°22	22°45	20° 1	23°28	17° 7	11° 6	9°23	4°33	3°14	26°26	12°27	T 26
F 27	20 19 51	4°16'07	21°36	21°43	6°34	23°19	20° 8	23°33	17°10	11° 6	9°22	4°29	3°11	26°33	12°28	F 27
S 28	20 23 48	5°13'26	4 ∺ 19	23°26	7°46	23°52	20°15	23°37	17°12	11° 5	9°20	4°24	3° 7	26°39	12°29	S 28
S 29	20 27 44	6°10'46	16°47	25° 8	8°58	24°26	20°22	23°41	17°15	11° 5	9°19	4°19	3° 4	26°46	12°30	S 29
M30	20 31 41	7° 8'07	29° 2	26°47	10° 9	25° 0	20°29	23°45	17°17	11° 4	9°18	4°14	3° 1	26°53	12°31	M30
T 31	20 35 38	8 N 5'29	11 Y 5	28 N 25	11 m 21	25 ≏ 34	20 ≏ 37	23848	17 Ⅲ 20	11 ° 4	9≈16	4 ට 10	2 る 58	26 Y 59	12832	T 31

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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 M 2	23n 6 23 2	3 s52 1n11	5 8	23n33 23 44	0 18	20n33 20 15	1n39 1 39	4s 1 4 13	0s 3 0 4	5 s 5 0 5 5 2	1n18 1 18	16 3		22 42		3 2	1 29		5 42	23 21	23 s21 23 22			1 s 5 1 5
T 3 W 4 T 5	22 46	6 5 10 43 14 56	5 12 4 53		0 29 0 39 0 48	19 38 19 19	1 40 1 40 1 40	4 25 4 38 4 50	0 6 0 7 0 8	5 53 5 55 5 56	1 17 1 17 1 17	16 5 16 7	-	22 42 22 43		3 2 3 2 3 2	1 29 1 29 1 29	23 15 23 16 23 16	5 42 5 42	23 21 23 21	23 22 23 22 23 22	13 48 13 50	14 21 14 21	1 5 1 5 1 5
F 6 S 7	22 41 22 34		4 22 3 40		0 57 1 5		1 40 1 41	5 2 5 15	0 9 0 11	5 58 6 0	1 17 1 16	16 8 16 9		22 43 22 44		3 2 3 2	1 29 1 29	23 17 23 17			23 22 23 22			1 5
S 8 M 9 T 10	22 28 22 21 22 13	24 22	1 45	23 5523 4823 37	1 13 1 20 1 26	17 57	1 41 1 41 1 40	5 27 5 40 5 52	0 12 0 13 0 14		1 16	16 11 16 12 16 13	2 10	22 44 22 44 22 45	0 0	3 2	1 29 1 29 1 29	23 18	5 43	23 21	23 22 23 22 23 22	13 59	-	1 5 1 6 1 6
F 13	22 5 21 57 21 49 21 40	15 36	1 45 2 52	23 24 23 8 22 50 22 30	1 32 1 36 1 40 1 44	16 51 16 28	1 40 1 40 1 40 1 39	6 5 6 17 6 30 6 43	0 15 0 16 0 18 0 19		1 15 1 15 1 15 1 15	16 16 16 17	2 10 2 10		0 0 0	3 2	1 30 1 30 1 30 1 30	23 20 23 20	5 43 5 44	23 21 23 21	23 22 23 23 23 23 23 23	14 6 14 8	14 24 14 25 14 25	1 6 1 6 1 6
S 15	21 30 21 21 21 11	5 18 0 s 2 7 6 1 4	4 35 5 4			15 40 15 16	1 39 1 38 1 37	6 56 7 9 7 22	0 20 0 21 0 22	6 15 6 18 6 20		16 19 16 20	2 11	22 46 22 46	0 1	3 2 3 2 3 2 3 2		23 21 23 22	5 44 5 44	23 21 23 21	23 23 23 23 23 23 23 23	14 12 14 15	14 26 14 26	1 6 1 7 1 7
T 19 F 20	21 0 20 50 20 38 20 27	20 26	4 39 3 55	20 18 19 46	1 49 1 49 1 48 1 46	14 1 13 35	1 37 1 36 1 35 1 34	7 35 7 48 8 1 8 14	0 23 0 24 0 25 0 26	6 22 6 25 6 27 6 30	1 13	16 23	2 11 2 11	22 47		3 2 3 2 3 1 3 1	1 30 1 30 1 30 1 30		5 44 5 44	23 21 23 21	23 23 23 23 23 23 23 23	14 21 14 23	14 28 14 28	1 7 1 7 1 7 1 7
S 22 M23 T 24	20 15 20 3 19 51	24 1	0 35 0n40	17 28	1 44 1 41 1 37	- 1	1 33 1 32 1 31	8 27 8 40 8 53	0 27 0 28 0 29	6 32 6 35 6 38	1 12 1 12	16 26 16 27 16 28	2 12 2 12	22 49	0 1 0 1	3 1 3 1 3 1	1 30 1 30 1 30		5 45 5 45	23 21 23 21	23 23 23 24 23 24	14 30 14 32	14 29 14 29	1 7 1 8 1 8
W25 T 26 F 27 S 28	19 38 19 25 19 11 18 58		2 55 3 49	16 51 16 14 15 36 14 57	1 34 1 29 1 24 1 19	10 54 10 26	1 29 1 28 1 26 1 25	9 7 9 20 9 33 9 46	0 30 0 31 0 32 0 33	6 40 6 43 6 46 6 49	1 12 1 12 1 11 1 11	16 31	2 12 2 13		0 1 0 1	3 1 3 0 3 0 3 0	1 30 1 30 1 30 1 30	23 26 23 27	5 45 5 45	23 21 23 22	23 24 23 24 23 24 23 24	14 36 14 38	14 29 14 30	1 8 1 8 1 8
S 29 M30 T 31	18 44 18 29 18n14	0 39 4n21 9n 7	4 57 5 10	14 18 13 38 12n58	1 13 1 7	9 30 9 1	1 23 1 22	9 59 10 13 10 s26	0 34 0 35 0s36	6 52 6 54	1 11 1 11	16 33	2 13 2 13	22 50 22 50 22n51	0 1 0 1	3 0 3 0 2n59	1 30 1 31		5 45 5 45	23 22 23 22	23 24 23 24 23 s24	14 43 14 45	14 30 14 30	1 8 1 9 1s 9

Julian Day Number = 2462318.5, Delta T = 69.16 sec Ecliptic obliquity = 23°26′08, Nutation = 0°00′18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°09′08, Lahiri = 24°16′09

AUGUST 2029 00:00 UT

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Day	Sid.t	0	D	φ	φ	♂	4	ħ)∤(¥	Р	ß	c	Ç	Š,	Day
W 1	20 39 34	9 Ω 2'51	23 Y 1	0Mp 2	12 Mp 32	26 <u>₽</u> 8	20 <u>₽</u> 44	23 8 52	17 Ⅲ 22	11°R 3	9°R15	4°R 7	2 る 55	27 Y 6	12833	W 1
T 2	20 43 31	10° 0'15	4 8 53	1°36	13°44	26°42	20°52	23°56	17°25	11 ° 3	9≈14	4°D 5	2°51	27°13	12°34	T 2
F 3	20 47 27	10°57'40	16°46	3° 9	14°55	27°17	20°59	23°59	17°27	11° 2	9°12	4궁 5	2°48	27°20	12°35	F 3
S 4	20 51 24	11°55'07	28°46	4°40	16° 7	27°51	21° 7	24° 3	17°30	11° 2	9°11	4° 7	2°45	27°26	12°35	S 4
S 5	20 55 20	12°52'34	10 Ⅱ 57	6° 9	17°18	28°26	21°15	24° 6	17°32	11° 1	9° 9	4° 8	2°42	27°33	12°36	S 5
M 6	20 59 17	13°50'03	23°23	7°37	18°30	29° 1	21°23	24° 9	17°34	11° 0	9° 8	4° 9	2°39	27°40	12°37	M 6
T 7	21 3 13	14°47'33	695 8	9° 3	19°41	29°36	21°32	24°13	17°37	10°59	9° 7	4°R10	2°36	27°46	12°37	T 7
W 8	21 7 10	15°45'04	19°15	10°27	20°52	0 M .12	21°40	24°16	17°39	10°59	9° 5	4° 9	2°32	27°53	12°38	W 8
T 9	21 11 7	16°42'36	2 Ω 45	11°49	22° 3	0°47	21°49	24°19	17°41	10°58	9° 4	4° 6	2°29	28° 0	12°38	T 9
F 10	21 15 3	17°40'10	16°37	13° 9	23°15	1°23	21°57	24°22	17°43	10°57	9° 3	4° 1	2°26	28° 7	12°38	F 10
S 11	21 19 0	18°37'44	0 m 47	14°28	24°26	1°59	22° 6	24°24	17°45	10°56	9° 1	3°55	2°23	28°13	12°39	S 11
S 12	21 22 56	19°35'20	15°12	15°44	25°37	2°35	22°15	24°27	17°47	10°55	9° 0	3°48	2°20	28°20	12°39	S 12
M13	21 26 53	20°32'56	29°43	16°59	26°48	3°11	22°24	24°30	17°50	10°54	8°58	3°41	2°17	28°27	12°39	M13
T 14	21 30 49	21°30'34	14 ₽ 16	18°11	27°59	3°47	22°33	24°32	17°52	10°53	8°57	3°35	2°13	28°33	12°39	T 14
W15	21 34 46	22°28'12	28°43	19°22	29°10	4°24	22°42	24°35	17°53	10°53	8°56	3°31	2°10	28°40	12°39	W15
T 16	21 38 42	23°25'52	13 M 2	20°30	0 ჲ 20	5° 0	22°51	24°37	17°55	10°52	8°54	3°29	2° 7	28°47	12°R40	T 16
F 17	21 42 39	24°23'32	27°10	21°35	1°31	5°37	23° 0	24°39	17°57	10°51	8°53	3°D28	2° 4	28°54	12°40	F 17
S 18	21 46 36	25°21'14	11 ×7 4	22°39	2°42	6°14	23°10	24°41	17°59	10°50	8°52	3°29	2° 1	29° 0	12°39	S 18
S 19	21 50 32	26°18'57	24°46	23°40	3°52	6°51	23°19	24°43	18° 1	10°48	8°50	3°30	1°57	29° 7	12°39	S 19
M20	21 54 29	27°16'40	8 궁 15	24°38	5° 3	7°28	23°29	24°45	18° 3	10°47	8°49	3°R30	1°54	29°14	12°39	M20
T 21	21 58 25	28°14'25	21°32	25°33	6°14	8° 5	23°39	24°47	18° 4	10°46	8°48	3°29	1°51	29°20	12°39	T 21
W22	22 2 22	29°12'11	4≈37	26°25	7°24	8°43	23°48	24°48	18° 6	10°45	8°47	3°25	1°48	29°27	12°39	W22
T 23	22 6 18	0 m) 9'58	17°31	27°15	8°34	9°20	23°58	24°50	18° 8	10°44	8°45	3°18	1°45	29°34	12°38	T 23
F 24	22 10 15	1° 7'47	0 ∺ 14	28° 1	9°45	9°58	24° 8	24°52	18° 9	10°43	8°44	3°10	1°42	29°40	12°38	F 24
S 25	22 14 11	2° 5'37	12°45	28°43	10°55	10°36	24°18	24°53	18°11	10°42	8°43	3° 0	1°38	29°47	12°37	S 25
S 26	22 18 8	3° 3'28	25° 4	29°22	12° 5	11°14	24°29	24°54	18°12	10°40	8°42	2°49	1°35	29°54	12°37	S 26
M27	22 22 5	4° 1'21	7 Υ 13	29°57	13°15	11°52	24°39	24°55	18°14	10°39	8°40	2°38	1°32	0 8 1	12°36	M27
T 28	22 26 1	4°59'16	19°13	0 ჲ 27	14°25	12°30	24°49	24°56	18°15	10°38	8°39	2°29	1°29	0° 7	12°36	T 28
W29	22 29 58	5°57'12	18 6	0°54	15°35	13° 8	25° 0	24°57	18°16	10°37	8°38	2°21	1°26	0°14	12°35	W29
T 30	22 33 54	6°55'11	12°56	1°15	16°45	13°47	25°10	24°58	18°18	10°35	8°37	<u>2°16</u>	1°23	0°21	12°34	T 30
F 31	22 37 51	7 m 53'11	24 8 48	1 ≏ 32	17 ≏ 55	14M25	25 ≏ 21	24 8 59	18 I I19	10 Y 34	8 ≈ 36	2 ප 13	1 る 19	0 8 27	12833	F 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
W 1 T 2		17 21 4 28	12n18 0n54 11 37 0 46	8n 3 1n18 7 34 1 16	10 52 0 37	7s 0 1n10 7 3 1 10	16 36 2 14	22n51 On 1 22 51 O 1	2n59 1s31 2 59 1 31	23 30 5 46	23 s22 23 s2 23 22 23 2	4 14 51	14 31 1 9
F 3 S 4			10 57 0 39 10 17 0 31		11 6 0 38 11 19 0 39	7 7 1 10 7 10 1 10		22 51 0 1 22 52 0 1	2 58 1 31 2 58 1 31		23 22 23 2 23 22 23 2		
S 5 M 6 T 7	16 57 16 40 16 24	24 14 0 58	9 36 0 23 8 56 0 14 8 16 0 6		11 32 0 40 11 46 0 41 11 59 0 42	7 13 1 10 7 16 1 9 7 19 1 9	16 38 2 14	22 52 0 1	2 58 1 31 2 58 1 31 2 57 1 31	23 31 5 46	23 22 23 2 23 22 23 2 23 22 23 2	5 14 59	
W 8 T 9	16 7 15 50	20 43 1 21 17 8 2 29	7 36 0s 3 6 56 0 13	4 35 1 3 4 4 1 0	12 12 0 42 12 25 0 43	7 23 1 9 7 26 1 9	16 39 2 15 16 40 2 15	22 52 0 1 22 53 0 1	2 57 1 31 2 57 1 31	23 32 5 46 23 33 5 46	23 22 23 2 23 22 23 2	5 15 4 5 15 6	14 31 1 10 14 31 1 10
F 10 S 11	15 14			3 3 0 55		7 29 1 8 7 33 1 8	16 41 2 15	22 53 0 1	2 56 1 31 2 56 1 31	23 33 5 46	23 22 23 2 23 23 23 2	5 15 10	
S 12 M13 T 14	14 56 14 38 14 20	1 21 4 52 4s35 5 7 10 16 5 2	4 59 0 41 4 22 0 51 3 44 1 1	2 2 0 50	13 5 0 46 13 18 0 46 13 31 0 47	7 36 1 8 7 40 1 8 7 43 1 8	16 42 2 16		2 55 1 31 2 55 1 31 2 55 1 31	23 34 5 46	23 23 23 2 23 23 23 2 23 23 23 2	5 15 14	14 31 1 10 14 31 1 11 14 31 1 11
W15 T 16		.,	3 7 1 11 2 31 1 21	0 30 0 41	13 44 0 48 13 57 0 49	7 47 1 8 7 51 1 7	16 43 2 16	22 54 0 1	2 54 1 31 2 54 1 31	23 35 5 46	23 23 23 2 23 23 23 2	5 15 20	14 31 1 11 14 30 1 11
F 17 S 18 S 19		24 2 1 58	1 56 1 31 1 22 1 42	0 32 0 35			16 43 2 17	22 54 0 1		23 36 5 46	23 23 23 2 23 23 23 2	5 15 24	14 30 1 11
M20 T 21	12 45 12 25 12 5		0 48 1 52 0 16 2 2 0 s16 2 13	1 34 0 29	14 36 0 51 14 49 0 51 15 1 0 52	8 1 1 7 8 5 1 7 8 9 1 6	16 44 2 17		2 52 1 32 2 52 1 32 2 51 1 32	23 37 5 46	23 23 23 2 23 23 23 2 23 23 23 2	5 15 28	14 30 1 12
W22 T 23 F 24	11 45 11 25 11 4	16 32 2 39 12 12 3 33 7 24 4 16	-		15 14 0 53 15 27 0 54 15 39 0 54	8 13 1 6 8 17 1 6 8 20 1 6	16 45 2 18	22 55 0 1	2 51 1 32 2 51 1 32 2 50 1 32	23 38 5 47	23 23 23 2 23 24 23 2 23 24 23 2	5 15 34	14 29 1 12
S 25	10 44	2 23 4 45	2 8 2 53	4 8 0 12	15 52 0 55	8 24 1 6	16 45 2 18	22 55 0 1	2 50 1 32	23 39 5 47	23 24 23 2	6 15 38	14 28 1 12
S 26 M27 T 28	10 23 10 2 9 41	2n38 5 1 7 29 5 3 12 0 4 51	2 33 3 3 2 55 3 12 3 16 3 21	5 10 0 5	16 5 0 55 16 17 0 56 16 29 0 57	8 28 1 6 8 32 1 5 8 36 1 5	16 45 2 19		2 49 1 32 2 48 1 32 2 48 1 32	23 39 5 47	23 24 23 2 23 25 23 2 23 25 23 2	6 15 42	14 28 1 13
W29 T 30	9 20	16 1 4 27 19 23 3 51	3 34 3 30 3 51 3 39	6 11 0s 3	16 42 0 57 16 42 0 57 16 54 0 58	8 40 1 5 8 44 1 5	16 45 2 19		2 47 1 32 2 47 1 32 2 47 1 32	23 40 5 47	23 25 23 2 23 25 23 2 23 25 23 2	6 15 46	14 27 1 13
F 31	8n37	21n58 3n 5	4s 4 3s47	7s11 0s10	17s 6 0s59	8 s 4 8 1 n 5	16n45 2s20	22n56 0n 1	2n46 1 s32	23 s41 5 s47	23 s25 23 s2	6 15n50	14n26 1s13

Julian Day Number = 2462349.5, Delta T = 69.18 sec Ecliptic obliquity = $23^{\circ}26'08$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $25^{\circ}09'13$, Lahiri = $24^{\circ}16'13$

SEPTEMBER 2029 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(¥	Р	ß	Ω	Ç	ę,	Day
S 1	22 41 47	8 m 51'13	6 П 45	1 ≏ 43	19 º 5	15 M 4	25 Ω 32	25 8 0	18 П 20	10°R33	8°R34	2°D12	1 궁 16	0 8 34	12°R33	S 1
S 2	22 45 44	9°49'17	18°54	1°49	20°14	15°43	25°42	25° 0	18°21	10 Y 31	8 ≈ 33	2ਰ12	1°13	0°41	12832	S 2
M 3	22 49 40	10°47'23	19518	1°R49	21°24	16°22	25°53	25° 1	18°22	10°30	8°32	2°R13	1°10	0°48	12°31	M 3
T 4	22 53 37	11°45'31	14° 4	1°43	22°33	17° 1	26° 4	25° 1	18°23	10°28	8°31	2°12	1° 7	0°54	12°30	T 4
W 5	22 57 34	12°43'41	27°15	1°31	23°43	17°40	26°15	25° 1	18°24	10°27	8°30	2°10	1° 3	1° 1	12°29	W 5
T 6	23 1 30	13°41'53	10 Ω 54	1°13	24°52	18°20	26°26	25°R 1	18°25	10°26	8°29	2° 5	1° 0	1° 8	12°28	T 6
F 7	23 5 27	14°40'06	24°59	0°48	26° 1	18°59	26°37	25° 1	18°26	10°24	8°28	1°57	0°57	1°14	12°26	F 7
S 8	23 9 23	15°38'22	9 m 29	0°16	27°11	19°39	26°49	25° 1	18°27	10°23	8°27	1°48	0°54	1°21	12°25	S 8
S 9	23 13 20	16°36'39	24°17	29 m 39	28°20	20°18	27° 0	25° 1	18°28	10°21	8°26	1°37	0°51	1°28	12°24	S 9
M10	23 17 16	17°34'58	9 ≏ 14	28°56	29°29	20°58	27°11	25° 0	18°28	10°20	8°25	1°26	0°48	1°34	12°22	M10
T 11	23 21 13	18°33'18	24°10	28° 7	0 M .38	21°38	27°23	25° 0	18°29	10°18	8°24	1°17	0°44	1°41	12°21	T 11
W12	23 25 9	19°31'41	8 M .59	27°13	1°46	22°18	27°34	24°59	18°30	10°17	8°23	1°10	0°41	1°48	12°20	W12
T 13	23 29 6	20°30'04	23°32	26°16	2°55	22°58	27°46	24°59	18°30	10°15	8°22	1° 5	0°38	1°55	12°18	T 13
F 14	23 33 3	21°28'30	7 . ₹46	25°15	4° 4	23°39	27°57	24°58	18°31	10°14	8°21	1° 3	0°35	2° 1	12°17	F 14
S 15	23 36 59	22°26'57	21°40	24°14	5°12	24°19	28° 9	24°57	18°31	10°12	8°20	1°D 3	0°32	2° 8	12°15	S 15
S 16	23 40 56	23°25'26	5 궁 13	23°11	6°21	24°59	28°21	24°56	18°32	10°10	8°19	1°R 3	0°28	2°15	12°13	S 16
M17	23 44 52	24°23'56	18°29	22°10	7°29	25°40	28°33	24°55	18°32	10° 9	8°18	1° 2	0°25	2°21	12°12	M17
T 18	23 48 49	25°22'28	1≈30	21°12	8°37	26°21	28°44	24°54	18°32	10° 7	8°17	0°59	0°22	2°28	12°10	T 18
W19	23 52 45	26°21'01	14°17	20°18	9°45	27° 2	28°56	24°53	18°33	10° 6	8°16	0°54	0°19	2°35	12° 8	W19
T 20	23 56 42	27°19'37	26°53	19°29	10°53	27°42	29° 8	24°51	18°33	10° 4	8°16	0°45	0°16	2°41	12° 6	T 20
F 21	0 038	28°18'13	9) 19	18°47	12° 1	28°24	29°20	24°50	18°33	10° 2	8°15	0°34	0°13	2°48	12° 5	F 21
S 22	0 4 35	29°16'52	21°36	18°13	13° 9	29° 5	29°32	24°48	18°33	10° 1	8°14	0°21	0° 9	2°55	12° 3	S 22
S 23	0 8 3 1	0 ჲ 15'33	3 ℃ 44	17°48	14°16	29°46	29°45	24°46	18°33	9°59	8°13	0° 7	0° 6	3° 2	12° 1	S 23
M24	0 12 28	1°14'16	15°46	17°33	15°24	0 ∡ 27	29°57	24°44	18°R33	9°58	8°13	29 х 53	0° 3	3° 8	11°59	M24
T 25	0 16 25	2°13'00	27°41	17°D27	16°31	1° 9	OM 9	24°43	18°33	9°56	8°12	29°40	29 × 759	3°15	11°57	T 25
W26	0 20 21	3°11'47	9 8 32	17°31	17°38	1°50	0°21	24°41	18°33	9°54	8°11	29°30	29°57	3°22	11°55	W26
T 27	0 24 18	4°10'36	21°21	17°45	18°45	2°32	0°34	24°38	18°33	9°53	8°11	29°23	29°54	3°28	11°52	T 27
F 28	0 28 14	5° 9'27	3 I I11	18° 9	19°52	3°13	0°46	24°36	18°33	9°51	8°10	29°18	29°50	3°35	11°50	F 28
S 29	0 32 11	6° 8'21	15° 7	18°43	20°59	3°55	0°58	24°34	18°32	9°49	8° 9	29°16	29°47	3°42	11°48	S 29
S 30	0 36 7	7 ♀ 7'17	27 I I3	19 m)25	22 M 5	4 ₹ 37	1 m .11	24832	18Ⅲ32	9 Υ 48	8≈ 9	29°D15	29 х 44	3 8 48	11846	S 30

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S 1	8n15	23n35 2n11	4s16 3s54	4 7s41 0s14	17s18 0s59	8 s 5 2 1	ln 5	16n45	2 s20	22n56	0n 1	2n46	1 s32	23 s41	5 s47	23 s25	23 s26	15n52	14n26	1 s13
S 2		24 8 1 10			17 30 1 0		1 4	16 45		22 56	0 1	-	-	23 41		23 25				1 14
M 3		23 31 0 5			17 42 1 0			16 45			0 1	-	-	23 42		23 25				1 14
T 4 W 5		21 39 1s 3 18 36 2 9	4 31 4 11 4 30 4 15		17 53 1 1 18 5 1 1	9 4 1		16 45 16 45	2 20 2 21	22 57 22 57	-			23 42 23 42		23 25 23 25			14 25 14 24	1 14 1 14
T 6		14 27 3 10			18 17 1 2	9 12 1		16 44			-	-	-	23 42		23 25			14 24	1 14
F 7	6 2	9 24 4 1	4 16 4 19	9 10 38 0 38	18 28 1 3	9 17 1		16 44	2 21	22 57	0 1	2 42	1 32	23 43		23 25			14 23	1 14
S 8	5 40	3 42 4 39	4 4 4 19	9 11 7 0 42	18 39 1 3	9 21 1	1 4	16 44	2 21	22 57	0 1	2 42	1 32	23 43	5 46	23 25	23 26	16 6	14 23	1 14
S 9	5 17	2s18 4 59	3 47 4 17	7 11 35 0 46	18 51 1 4	9 25 1	1 3	16 44	2 21	22 57	0 1	2 41	1 32	23 43	5 46	23 26	23 26	16 8	14 22	1 15
M10	4 54	8 13 4 58	3 27 4 14		19 2 1 4	9 29 1	-	16 43			0 1		-	23 44		23 26				1 15
T 11 W12	4 32	13 40 4 38 18 15 3 59	3 3 4 8 2 35 4 1		19 13 1 5 19 24 1 5	9 33 1		16 43 16 43	2 22 2 22		0 1 0 1		-	23 44 23 44		23 26 23 26				1 15 1 15
T 13	. /	21 38 3 4	2 33 4 1		19 24 1 3	9 42 1		16 42	2 22		0 1			23 44		23 26				1 15
F 14		23 34 2 0	1 30 3 41		19 45 1 6	9 46 1		16 42				2 38		23 44		23 26				1 15
S 15	3 0	24 0 0 49	0 54 3 28	8 14 22 1 11	19 55 1 7	9 50 1	1 3	16 42	2 23	22 57	0 1	2 37	1 32	23 45	5 46	23 26	23 26	16 19	14 19	1 15
S 16	2 37	22 58 0n22	0 16 3 14	4 14 49 1 15	20 6 1 7	9 55 1	1 2	16 41	2 23	22 58	0 1	2 37	1 32	23 45	5 46	23 26	23 26	16 21	14 18	1 16
M17		20 40 1 31	0n23 2 57		20 16 1 8			16 41	-		-		-	23 45		23 26				1 16
T 18 W19		17 20 2 33 13 14 3 27	1 2 2 40 1 41 2 21		20 26 1 8 20 36 1 8			16 40 16 40						23 45 23 45		23 26 23 26				1 16 1 16
T 20	1 4	8 38 4 10			20 36 1 8			16 39						23 46		23 26				1 16
F 21	0 40	3 45 4 40	2 52 1 42					16 39				2 33		23 46		23 26			14 15	1 16
S 22	0 17	1n12 4 56	3 24 1 22	2 17 22 1 40	21 5 1 10	10 21 1	1 2	16 38	2 24	22 58	0 1	2 33	1 33	23 46	5 46	23 26	23 26	16 33	14 14	1 16
S 23	0s 6	6 3 4 59	3 52 1 2	2 17 46 1 44	21 14 1 10	10 25 1	1 2	16 38	2 24	22 58	0 1	2 32	1 33	23 46	5 46	23 26	23 26	16 35	14 13	1 17
M24		10 38 4 48	4 16 0 42			10 29 1		16 37	2 24	22 58				23 46		23 26				1 17
T 25 W26		14 46 4 25 18 18 3 51	4 36 0 24			10 34 1		16 36						23 46		23 26				1 17
T 27	-	18 18 3 51 21 5 3 6	4 51 0 5 5 1 0n12	5 18 57 1 57 2 19 20 2 1		10 38 1 10 43 1		16 36 16 35				2 30 2 30		23 46 23 47		23 26 23 26				1 17 1 17
F 28		22 58 2 13	5 6 0 27		21 59 1 12			16 34	-		-	2 29		23 47		23 26				1 17
S 29	2 26	23 50 1 14	5 6 0 42	2 20 4 2 9	22 7 1 12	10 51 1	1 1	16 34	2 25	22 58	0 1	2 28	1 33	23 47	5 46	23 26	23 26	16 46	14 9	1 17
S 30	2 s50	23n35 0n11	5n 2 0n55	5 20 s26 2 s13	22 s15 1 s13	10s56 1	ln 1	16n33	2 s 2 5	22n58	0n 1	2n28	1 s33	23 s47	5 s45	23 s26	23 s26	16n48	14n 8	1 s17

Julian Day Number = 2462380.5, Delta T = 69.20 sec Ecliptic obliquity = 23°26'08, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°09'17, Lahiri = 24°16'17

OCTOBER 2029 00:00 UT

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Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)∤(¥	Р	N.	ß	Ç	ķ	Day
M 1	0 40 4	8₾ 6'15	9934	20 m 16	23 M 12	5 ₹ 19	1 M 23	24°R29	18°R32	9°R46	8°R 8	29°R15	29 × 741	3 8 55	11°R44	M 1
T 2	0 44 0	9° 5'15	22°16	21°15	24°18	6° 1	1°36	24826	18 Ⅲ 31	9 Ƴ 44	8≈ 8	29 × 15	29°38	4° 2	11841	T 2
W 3	0 47 57	10° 4'18	5Ω23	22°21	25°24	6°43	1°48	24°24	18°31	9°43	8° 7	29°12	29°34	4° 9	11°39	W 3
T 4	0 51 54	11° 3'23	19° 0	23°33	26°30	7°26	2° 1	24°21	18°30	9°41	8° 7	29° 8	29°31	4°15	11°36	T 4
F 5	0 55 50	12° 2'30	3 Mm, 6	24°51	27°36	8° 8	2°14	24°18	18°30	9°39	8° 6	29° 1	29°28	4°22	11°34	F 5
S 6	0 59 47	13° 1'39	17°40	26°13	28°42	8°51	2°26	24°15	18°29	9°38	8° 6	28°51	29°25	4°29	11°32	S 6
S 7	1 3 43	14° 0'51	2 ॒ 38	27°40	29°47	9°33	2°39	24°12	18°29	9°36	8° 5	28°41	29°22	4°35	11°29	S 7
M 8	1 7 40	15° 0'05	17°50	29°11	0 ∡ 752	10°16	2°52	24° 9	18°28	9°34	8° 5	28°30	29°19	4°42	11°27	M 8
T 9	1 11 36	15°59'20	3M 5	0 ჲ 45	1°57	10°59	3° 5	24° 6	18°27	9°33	8° 5	28°20	29°15	4°49	11°24	T 9
W10	1 15 33	16°58'38	18°12	2°21	3° 2	11°41	3°17	24° 2	18°26	9°31	8° 4	28°13	29°12	4°55	11°21	W10
T 11	1 19 29	17°57'58	3 ₹ 3	3°59	4° 7	12°24	3°30	23°59	18°26	9°29	8° 4	28° 8	29° 9	5° 2	11°19	T 11
F 12	1 23 26	18°57'19	17°32	5°39	5°11	13° 7	3°43	23°55	18°25	9°28	8° 4	28° 6	29° 6	5° 9	11°16	F 12
S 13	1 27 23	19°56'43	1 る 35	7°20	6°15	13°51	3°56	23°52	18°24	9°26	8° 4	28°D 6	29° 3	5°16	11°14	S 13
S 14	1 31 19	20°56'08	15°12	9° 2	7°19	14°34	4° 9	23°48	18°23	9°24	8° 3	28°R 6	29° 0	5°22	11°11	S 14
M15	1 35 16	21°55'34	28°26	10°45	8°23	15°17	4°22	23°45	18°22	9°23	8° 3	28° 6	28°56	5°29	11° 8	M15
T 16	1 39 12	22°55'03	11≈20	12°28	9°27	16° 0	4°35	23°41	18°21	9°21	8° 3	28° 4	28°53	5°36	11° 5	T 16
W17	1 43 9	23°54'33	23°58	14°12	10°30	16°44	4°48	23°37	18°19	9°19	8° 3	28° 0	28°50	5°42	11° 3	W17
T 18	1 47 5	24°54'05	6 ¥ 22	15°55	11°33	17°27	5° 1	23°33	18°18	9°18	8° 3	27°54	28°47	5°49	11° 0	T 18
F 19	1 51 2	25°53'38	18°35	17°39	12°36	18°11	5°14	23°29	18°17	9°16	8° 3	27°45	28°44	5°56	10°57	F 19
S 20	1 54 58	26°53'14	0 Υ 41	19°22	13°38	18°55	5°27	23°25	18°16	9°15	8° 3	27°34	28°40	6° 2	10°54	S 20
S 21	1 58 55	27°52'51	12°40	21° 5	14°40	19°38	5°40	23°21	18°14	9°13	8°D 3	27°22	28°37	6° 9	10°51	S 21
M22	2 2 52	28°52'31	24°35	22°48	15°42	20°22	5°53	23°17	18°13	9°12	8° 3	27°11	28°34	6°16	10°49	M22
T 23	2 6 48	29°52'12	6 8 27	24°30	16°43	21° 6	6° 6	23°12	18°12	9°10	8° 3	27° 0	28°31	6°22	10°46	T 23
W24	2 10 45	0 M L51'55	18°17	26°12	17°44	21°50	6°19	23° 8	18°10	9° 9	8° 3	26°52	28°28	6°29	10°43	W24
T 25	2 14 41	1°51'41	0 Π 7	27°54	18°45	22°34	6°32	23° 4	18° 9	9° 7	8° 3	26°45	28°25	6°36	10°40	T 25
F 26	2 18 38	2°51'28	12° 0	29°35	19°46	23°18	6°45	22°59	18° 7	9° 6	8° 3	26°42	28°21	6°43	10°37	F 26
S 27	2 22 34	3°51'18	23°59	1 M .15	20°46	24° 3	6°58	22°55	18° 5	9° 4	8° 3	26°D41	28°18	6°49	10°34	S 27
S 28	2 26 31	4°51'10	695 6	2°55	21°46	24°47	7°11	22°51	18° 4	9° 3	8° 3	26°41	28°15	6°56	10°31	S 28
M29	2 30 27	5°51'04	18°28	4°35	22°45	25°31	7°25	22°46	18° 2	9° 1	8° 4	26°42	28°12	7° 3	10°28	M29
T 30	2 34 24	6°51'00	10.7	6°14	23°44	26°16	7°38	22°41	18° 0	9° 0	8° 4	26°R43	28° 9	7° 9	10°25	T 30
W31	2 38 21	7 M 50'59	14 N 9	7 ™ 52	24 × 742	27 ×7 0	7 M .51	22 8 37	17 Ⅱ 59	8 Ƴ 58	8 ≈ 4	26 × ⁷ 43	28 × 5	7 8 16	10823	W31

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M 1 T 2	3 s13 3 36	22n11 0s54 19 39 1 59	4 40	1n 7 20 s47 1 18 21 7	2s17 22s23 2 21 22 31	1 13		1 1		2 26		0 1	2 26 1	-	7 5 45	23 s26 23 26	23 26	16 51	14 6	1 s18 1 18
W 3 T 4 F 5	3 59 4 22 4 46	16 2 2 59 11 28 3 51 6 9 4 32	4 1	1 27 21 27 1 35 21 47 1 41 22 6	2 25 22 38 2 29 22 46 2 33 22 53	1 14	11 9 11 14 11 18	1 1 1 1 1 0	16 30	-	22 58	0 1	2 26 1 2 25 1 2 24 1	33 23 4	7 5 45	23 26 23 26 23 26	23 26	16 55	14 5	1 18 1 18 1 18
S 6 S 7	5 9 5 32	0 20 4 56 5 s 39 5 1	2 37	1 47 22 24 1 51 22 43	2 36 23 0 2 40 23 7	1 15	11 22 11 27		16 27		22 58	0 1	2 24 1 2 23 1	33 23 4	7 5 45	23 2623 26	23 26	17 0	14 2	1 18 1 18
M 8 T 9 W10		11 23 4 45 16 25 4 8 20 22 3 15	1 29	1 54 23 0 1 56 23 17 1 57 23 34	2 44 23 14 2 48 23 20 2 51 23 26	1 16	11 31 11 36 11 40		16 26 16 25 16 24		22 5722 5722 57	0 1	2 22 1 2 22 1 2 21 1	33 23 4	7 5 45	23 26 23 26 23 25	23 26	17 4	14 1 14 0 13 59	1 18 1 19 1 19
T 11 F 12 S 13	7 3 7 25 7 48		0 s27	1 57 23 50 1 57 24 5 1 56 24 20	2 55 23 32 2 58 23 38 3 2 23 44	1 16	11 44 11 49 11 53	1 0 1 0 1 0	16 22	2 27		0 1	2 20 1 2 20 1 2 19 1	33 23 4	7 5 45	23 25 23 25 23 25	23 26	17 9	13 57	1 19 1 19 1 19
S 14 M15 T 16 W17 T 18 F 19 S 20	8 10 8 32 8 55 9 17 9 38 10 0 10 22		2 33 3 16 4 0 4 43 5 27	1 54 24 34 1 51 24 48 1 48 25 1 1 44 25 14 1 40 25 25 1 36 25 37 1 31 25 48	3 5 23 49 3 8 23 54 3 11 23 59 3 14 24 4 3 17 24 8 3 20 24 12 3 23 24 16	1 17 1 17 1 17 1 18 1 18		1 0 1 0 1 0 1 0 0 59 0 59 0 59	16 19 16 18 16 17 16 16	2 27 2 28 2 28 2 28 2 28 2 28		0 1 0 1 0 1 0 1 0 1	2 18 1 2 18 1 2 17 1 2 17 1 2 16 1 2 15 1 2 15 1	33 23 4 33 23 4 33 23 4 33 23 4	7 5 44 7 5 44 7 5 44 7 5 44 7 5 44	23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25	23 26 23 26 23 26 23 26 23 26	17 15 17 16 17 18 17 20 17 22	13 55 13 54 13 53 13 52 13 51	1 19 1 19 1 19 1 19 1 20 1 20 1 20
S 21 M22 T 23 W24 T 25 F 26 S 27	12 28	22 25 2 18	7 37 8 20 9 2 9 44 10 26	1 26 25 58 1 21 26 7 1 15 26 16 1 9 26 25 1 3 26 33 0 57 26 40 0 51 26 46	3 26 24 20 3 29 24 23 3 31 24 27 3 34 24 30 3 36 24 32 3 38 24 35 3 40 24 37	1 18 1 19 1 19 1 19 1 19	12 29 12 33 12 37 12 42 12 46 12 50 12 55	0 59 0 59 0 59 0 59 0 59 0 59 0 59	16 12 16 11 16 10 16 9 16 7	2 28	22 56 22 56 22 56 22 56	0 2 0 2 0 2 0 2 0 2	2 13 1 2 12 1 2 12 1 2 11 1 1	33 23 4 33 23 4 33 23 4 33 23 4	7 5 44 7 5 44 7 5 44 7 5 44 6 5 43	23 25 23 24 23 24 23 24 23 24 23 24 23 24	23 26 23 26 23 26 23 26 23 26	17 27 17 29 17 30 17 32 17 34	13 48 13 47 13 46 13 45 13 44	1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20
S 28 M29 T 30 W31	13 8 13 28 13 48 14s 7	20 16 1 55 17 4 2 55	12 27 13 6	0 44 26 52 0 38 26 58 0 31 27 3 0n24 27s 7	3 42 24 39 3 44 24 41 3 46 24 42 3 s47 24 s44	1 19 1 19			16 4			0 2 0 2	2 9 1 2 9 1		6 5 43 6 5 43	23 24 23 24 23 24 23 s24	23 25 23 25	17 39 17 41	13 41 13 40	1 21 1 21 1 21 1 s21

Julian Day Number = 2462410.5, Delta T = 69.22 sec Ecliptic obliquity = 23°26′08, Nutation = 0°00′17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°09′21, Lahiri = 24°16′22

NOVEMBER 2029 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)/(并	Р	u	v	ţ	, k	Day
T 1	2 42 17	8ML50'59	27 Ω 37	9 M _30	25 ∡ ¹40	27 × 745	8M 4	22°R32	17°R57	8°R57	8≈ 4	26°R41	28 × 2	7 8 23	10°R20	T 1
F 2	2 46 14	9°51'02	11 m /34	11° 8	26°38	28°29	8°17	22 8 28	17 Ⅲ 55	8 Ƴ 55	8° 5	26 ₮ 38	27°59	7°29	10817	F 2
S 3	2 50 10	10°51'07	25°59	12°45	27°35	29°14	8°30	22°23	17°53	8°54	8° 5	26°32	27°56	7°36	10°14	S 3
S 4	2 54 7	11°51'14	10 ≏ 49	14°22	28°32	29°59	8°43	22°18	17°51	8°53	8° 5	26°25	27°53	7°43	10°11	S 4
M 5	2 58 3	12°51'23	25°57	15°58	29°28	0 국 44	8°57	22°13	17°49	8°51	8° 6	26°19	27°50	7°49	10° 8	M 5
T 6	3 2 0	13°51'33	11 M .14	17°34	0 궁 24	1°29	9°10	22° 8	17°47	8°50	8° 6	26°12	27°46	7°56	10° 5	T 6
W 7	3 5 56	14°51'46	26°29	19° 9	1°19	2°14	9°23	22° 4	17°45	8°49	8° 7	26° 8	27°43	8° 3	10° 2	W 7
T 8	3 9 53	15°52'01	11 × 32	20°44	2°14	2°59	9°36	21°59	17°43	8°48	8° 7	26° 5	27°40	8°10	9°59	T 8
F 9	3 13 50	16°52'17	26°13	22°19	3° 8	3°44	9°49	21°54	17°41	8°46	8° 8	26°D 4	27°37	8°16	9°56	F 9
S 10	3 17 46	17°52'35	10중29	23°53	4° 1	4°29	10° 2	21°49	17°39	8°45	8° 8	26° 5	27°34	8°23	9°53	S 10
S 11	3 21 43	18°52'54	24°18	25°27	4°54	5°14	10°15	21°44	17°37	8°44	8° 9	26° 6	27°31	8°30	9°50	S 11
M12	3 25 39	19°53'14	7 ≈ 39	27° 1	5°46	6° 0	10°28	21°39	17°35	8°43	8° 9	26° 7	27°27	8°36	9°47	M12
T 13	3 29 36	20°53'36	20°36	28°34	6°38	6°45	10°41	21°34	17°33	8°42	8°10	26°R 8	27°24	8°43	9°45	T 13
W14	3 33 32	21°53'59	3): 13	0 , ₹ 7	7°28	7°31	10°54	21°30	17°31	8°40	8°11	26° 7	27°21	8°50	9°42	W14
T 15	3 37 29	22°54'24	15°33	1°40	8°18	8°16	11° 7	21°25	17°28	8°39	8°11	26° 5	27°18	8°56	9°39	T 15
F 16	3 41 25	23°54'50	27°41	3°12	9° 7	9° 2	11°20	21°20	17°26	8°38	8°12	26° 1	27°15	9° 3	9°36	F 16
S 17	3 45 22	24°55'17	9 Ƴ 40	4°45	9°56	9°47	11°33	21°15	17°24	8°37	8°13	25°56	27°11	9°10	9°33	S 17
S 18	3 49 19	25°55'46	21°33	6°17	10°43	10°33	11°46	21°10	17°22	8°36	8°14	25°51	27° 8	9°16	9°30	S 18
M19	3 53 15	26°56'16	3 8 24	7°48	11°30	11°19	11°59	21° 5	17°19	8°35	8°14	25°45	27° 5	9°23	9°28	M19
T 20	3 57 12	27°56'48	15°15	9°20	12°15	12° 4	12°12	21° 0	17°17	8°34	8°15	25°40	27° 2	9°30	9°25	T 20
W21	4 1 8	28°57'21	27° 7	10°51	13° 0	12°50	12°25	20°55	17°15	8°33	8°16	25°37	26°59	9°37	9°22	W21
T 22	4 5 5	29°57'55	9 Ⅱ 3	12°22	13°44	13°36	12°38	20°51	17°12	8°32	8°17	25°34	26°56	9°43	9°19	T 22
F 23	4 9 1	0 ₮ 58'31	21° 3	13°52	14°26	14°22	12°51	20°46	17°10	8°32	8°18	25°D33	26°52	9°50	9°17	F 23
S 24	4 12 58	1°59'09	39911	15°23	15° 8	15° 8	13° 4	20°41	17° 7	8°31	8°19	25°33	26°49	9°57	9°14	S 24
S 25	4 16 54	2°59'48	15°29	16°53	15°49	15°54	13°16	20°36	17° 5	8°30	8°20	25°34	26°46	10° 3	9°11	S 25
M26	4 20 51	4° 0'29	27°59	18°23	16°28	16°40	13°29	20°32	17° 2	8°29	8°21	25°36	26°43	10°10	9° 9	M26
T 27	4 24 48	5° 1'11	10 Ω 43	19°52	17° 6	17°26	13°42	20°27	17° 0	8°28	8°22	25°37	26°40	10°17	9° 6	T 27
W28	4 28 44	6° 1'55	23°46	21°21	17°43	18°12	13°55	20°22	16°57	8°28	8°23	25°38	26°37	10°23	9° 4	W28
T 29	4 32 41	7° 2'40	7 m y 9	22°50	18°18	18°58	14° 7	20°18	16°55	8°27	8°24	25°R39	26°33	10°30	9° 1	T 29
F 30	4 36 37	8 ∡¹ 3'27	20 m 55	24 × 18	18 궁 52	19 る 45	14 M 20	20813	16 Ⅱ 52	8 Υ 26	8≈25	25 ∡ ³38	26 ₮ 30	10 8 37	8 8 59	F 30

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Julian Day Number = 2462441.5, Delta T = 69.24 sec Ecliptic obliquity = $23^{\circ}26'07$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $25^{\circ}09'25$, Lahiri = $24^{\circ}16'26$

DECEMBER 2029 00:00 UT

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S 2	4 44 30	10° 5'05	19°35	27°13	19°56	21°17	14°45	208 4	16 Ⅱ 47	8 Υ 25	8°27	25 × 35	26°24	10°50	8 8 54	S 2
M 3	4 48 27	11° 5'56	4 M .24	28°39	20°25	22° 4	14°57	20° 0	16°45	8°25	8°28	25°33	26°21	10°57	8°51	M 3
T 4	4 52 23	12° 6'49	19°25	0중 4	20°53	22°50	15°10	19°56	16°42	8°24	8°29	25°32	26°17	11° 3	8°49	T 4
W 5	4 56 20	13° 7'43	4 ₹ 28	1°29	21°20	23°36	15°22	19°51	16°40	8°23	8°30	25°30	26°14	11°10	8°47	W 5
T 6	5 0 17	14° 8'38	19°26	2°52	21°44	24°23	15°35	19°47	16°37	8°23	8°32	25°D30	26°11	11°17	8°44	T 6
F 7	5 4 13	15° 9'34	4궁 9	4°14	22° 7	25° 9	15°47	19°43	16°35	8°23	8°33	25°30	26° 8	11°24	8°42	F 7
S 8	5 8 10	16°10'31	18°31	5°34	22°28	25°56	15°59	19°39	16°32	8°22	8°34	25°30	26° 5	11°30	8°40	S 8
S 9	5 12 6	17°11'29	2≈29	6°53	22°47	26°43	16°11	19°35	16°30	8°22	8°35	25°31	26° 2	11°37	8°38	S 9
M10	5 16 3	18°12'28	15°59	8°10	23° 4	27°29	16°24	19°31	16°27	8°21	8°37	25°32	25°58	11°44	8°36	M10
T 11	5 19 59	19°13'27	29° 4	9°24	23°19	28°16	16°36	19°27	16°25	8°21	8°38	25°33	25°55	11°50	8°34	T 11
W12	5 23 56	20°14'26	11) (47	10°35	23°32	29° 3	16°48	19°23	16°22	8°21	8°39	25°33	25°52	11°57	8°32	W12
T 13	5 27 52	21°15'27	24° 9	11°43	23°43	29°49	17° 0	19°19	16°19	8°21	8°41	25°R33	25°49	12° 4	8°30	T 13
F 14	5 31 49	22°16'27	6 ℃ 17	12°47	23°51	0≈36	17°12	19°16	16°17	8°20	8°42	25°33	25°46	12°10	8°28	F 14
S 15	5 35 46	23°17'28	18°14	13°47	23°57	1°23	17°23	19°12	16°14	8°20	8°44	25°33	25°43	12°17	8°26	S 15
S 16	5 39 42	24°18'30	0 8 6	14°42	24° 1	2°10	17°35	19° 8	16°12	8°20	8°45	25°32	25°39	12°24	8°24	S 16
M17	5 43 39	25°19'32	11°55	15°31	24°R 2	2°57	17°47	19° 5	16° 9	8°20	8°46	25°D32	25°36	12°30	8°22	M17
T 18	5 47 35	26°20'35	23°46	16°14	24° 0	3°44	17°59	19° 2	16° 7	8°20	8°48	25°32	25°33	12°37	8°20	T 18
W19	5 51 32	27°21'38	5 ∏ 42	16°49	23°57	4°30	18°10	18°58	16° 4	8°D20	8°49	25°33	25°30	12°44	8°19	W19
T 20	5 55 28	28°22'42	17°46	17°16	23°50	5°17	18°22	18°55	16° 2	8°20	8°51	25°33	25°27	12°50	8°17	T 20
F 21	5 59 25	29°23'46	29°58	17°34	23°42	6° 4	18°33	18°52	15°59	8°20	8°52	25°R33	25°23	12°57	8°16	F 21
S 22	6 3 21	0 ප් 24'51	129522	17°R42	23°30	6°51	18°45	18°49	15°57	8°20	8°54	25°33	25°20	13° 4	8°14	S 22
S 23	6 7 18	1°25'56	24°57	17°39	23°17	7°38	18°56	18°46	15°55	8°20	8°55	25°32	25°17	13°10	8°13	S 23
M24	6 11 15	2°27'02	7Ω 44	17°25	23° 0	8°25	19° 7	18°43	15°52	8°20	8°57	25°31	25°14	13°17	8°11	M24
T 25	6 15 11	3°28'09	20°46	16°59	22°42	9°12	19°18	18°40	15°50	8°20	8°58	25°30	25°11	13°24	8°10	T 25
W26	6 19 8	4°29'15	4 Mp 1	16°21	22°21	9°59	19°30	18°38	15°47	8°21	9° 0	25°29	25° 8	13°30	8° 8	W26
T 27	6 23 4	5°30'23	17°30	15°32	21°58	10°46	19°41	18°35	15°45	8°21	9° 2	25°28	25° 4	13°37	8° 7	T 27
F 28	6 27 1	6°31'31	1 ≏ 15	14°33	21°32	11°34	19°52	18°33	15°43	8°21	9° 3	25°D28	25° 1	13°44	8° 6	F 28
S 29	6 30 57	7°32'39	15°14	13°24	21° 5	12°21	20° 2	18°30	15°40	8°22	9° 5	25°28	24°58	13°51	8° 5	S 29
S 30	6 34 54	<u>8°33'49</u>	29°27	1 <u>2</u> ° 9	2 <u>0</u> °36	13° 8	20°13	18°28	15°38	8°22	9° 7	25°28	24°55	13°57	8° 4	S 30
M31	6 38 51	9 ට 34'58	13 M .52	10 궁 49	20궁 5	13 ≈ 55	20 M 24	18 8 26	15 Ⅲ 36	8 Y 22	9≈ 8	25 × ⁷ 29	24 × 52	148 4	8 8 3	M31

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S 2 M 3 T 4 W 5 T 6 F 7 S 8	22 14 22 22 22 30	16 51 4 20 35 3 22 54 1 5 23 34 0 3 22 34 0n4	25 48 2 2 25 49 2 2 4 25 48 2 2 4 25 47 2 2 3 25 43 2 2	22 24 35 2 44 23 24 24 2 37 23 24 12 2 30 22 24 1 2 22 21 23 50 2 14	22 55 1 18 22 47 1 18 22 39 1 18 22 31 1 18 22 22 1 17	15 23 0 59 15 27 0 59 15 30 0 59 15 34 0 59 15 37 0 59	15 23 2 26 15 22 2 26 15 21 2 26 15 20 2 26 15 19 2 26	22 49 0 2 22 48 0 2 22 47 0 2	1 56 1 31 1 56 1 31 1 56 1 31 1 56 1 31 1 55 1 31	23 37 5 40 23 36 5 40 23 36 5 40 23 36 5 40	23 22 23 2 23 22 23 2	3 18 35 3 18 37 3 18 38 3 18 40 3 18 42	13 8 1 23 13 8 1 23 13 7 1 23 13 6 1 23 13 5 1 23
S 9 M10 T 11 W12 T 13 F 14 S 15	22 55 23 0 23 5 23 9 23 13	7 21 4 4 2 23 5 2n32 5 1	5 25 25 2 2 4 25 17 2 2 5 6 2 2 4 25 2 2 4 43 1 :	14 23 14 1 48 11 23 2 1 38 6 22 50 1 28 1 22 38 1 18 54 22 26 1 7	21 55 1 17 21 45 1 16 21 35 1 16 21 25 1 16 21 15 1 16	15 48 0 59 15 51 0 59 15 55 0 59 15 58 0 59 16 1 0 59	15 17 2 25 15 16 2 25 15 15 2 25 15 14 2 24 15 13 2 24	22 47 0 2 22 47 0 2 22 47 0 2 22 46 0 2	1 55 1 31 1 55 1 31 1 55 1 31 1 55 1 31 1 55 1 31	23 34 5 40 23 34 5 40 23 33 5 40 23 33 5 40 23 33 5 40	23 22 23 2 23 22 23 2	2 18 46 2 18 47 2 18 49 2 18 50 2 18 52	13 3 1 23 13 2 1 23 13 2 1 23 13 1 1 23 13 1 1 23
F 21	23 21 23 23 23 25 23 26 23 26	21 25 2 40 23 2 1 40 23 35 0 4	24 0 1 2 3 23 44 1 3 23 28 1 3 23 11 0 3 5 22 54 0 3	29 21 49 0 31 18 21 37 0 19 6 21 24 0 6 52 21 12 0n 8 38 21 0 0 22	20 43 1 15 20 31 1 15 20 20 1 14 20 8 1 14 19 56 1 14	16 11 0 59 16 14 0 59 16 17 0 59 16 21 0 59	15 11 2 24 15 11 2 23 15 10 2 23 15 9 2 23 15 9 2 23	22 45 0 2 22 45 0 2 22 45 0 2 22 45 0 2 22 44 0 2 22 44 0 2 22 44 0 2	1 55 1 31 1 55 1 31 1 55 1 31 1 55 1 31 1 55 1 31	23 31 5 40 23 31 5 40 23 30 5 40 23 30 5 40 23 30 5 40	23 22 23 2 23 22 23 2	2 18 56 2 18 58 2 18 59 1 19 1 1 19 2	5 12 59 1 23 12 58 1 23
T 25 W26 T 27 F 28 S 29	23 25 23 23 23 22 23 19 23 16 23 13	0 7 5 14 5 s 19 5 13 10 35 4 58	22 5 0n 21 50 0 2 5 21 35 0 3 21 21 1 5 21 8 1 3 20 56 1 3	13 20 24 1 5 32 20 12 1 20 51 20 0 1 36 11 19 49 1 51 31 19 37 2 7	19 20 1 13 19 7 1 12 18 54 1 12 18 41 1 12 18 27 1 11 18 14 1 11		15 7 2 22 15 6 2 22 15 6 2 21 15 5 2 21 15 5 2 21 15 5 2 21	22 44 0 2 22 43 0 2 22 43 0 2 22 43 0 2 22 43 0 2 22 42 0 2 22 42 0 2 22 42 0 2	1 55 1 30 1 55 1 30 1 56 1 30 1 56 1 30 1 56 1 30 1 56 1 30	23 28 5 40 23 28 5 40 23 27 5 40 23 27 5 40 23 26 5 40	23 22 23 2 23 22 23 2 23 22 23 2 23 21 23 2	1 19 6 1 19 8 1 19 9 1 19 11 0 19 12 0 19 13	12 54 1 23 12 54 1 23 12 53 1 23 12 53 1 23

Julian Day Number = 2462471.5, Delta T = 69.26 sec Ecliptic obliquity = 23°26'07, Nutation = $0^\circ00'16$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = $25^{\circ}09'30$, Lahiri = $24^{\circ}16'30$