

Astrodienst Ephemeris Tables for the year 1617

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 1617 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	ស	Ω	Ç	Ŗ	Day
S 1	6 42 53	10 궁 52'13	20☎ 8	19 × 9	4≈49	8 m /38	10 ට 23	3°R21	12°R23	5 ₽ 15	7°R45	1°R19	2) 39	9 m 13	14≈23	S 1
M 2	6 46 50	11°53'24	2 M 27	20°26	6° 4	8°43	10°37	3 8 21	129520	5°15	7 8 44	1) 17	2°36	9°20	14°27	M 2
T 3	6 50 47	12°54'35	15° 8	21°44	7°19	8°48	10°51	3°20	12°17	5°15	7°44	1°13	2°32	9°26	14°31	T 3
W 4	6 54 43	13°55'46	28°12	23° 3	8°33	8°52	11° 5	3°D20	12°15	5°15	7°43	1° 6	2°29	9°33	14°35	W 4
T 5	6 58 40	14°56'57	11 ~ 41	24°23	9°48	8°55	11°19	3°20	12°12	5°15	7°43	0°59	2°26	9°40	14°39	T 5
F 6	7 2 36	15°58'08	25°36	25°45	11° 3	8°58	11°33	3°20	12°10	5°R15	7°43	0°51	2°23	9°46	14°43	F 6
S 7	7 6 33	16°59'18	9 ප 52	27° 8	12°18	9° 0	11°47	3°21	12° 7	5°15	7°42	0°43	2°20	9°53	14°47	S 7
S 8	7 10 29	18° 0'29	24°25	28°31	13°32	9° 1	12° 1	3°21	12° 4	5°15	7°42	0°37	2°17	10° 0	14°51	S 8
M 9	7 14 26	19° 1'38	9≈ 7	29°56	14°47	9°R 1	12°15	3°21	12° 2	5°15	7°42	0°33	2°13	10° 6	14°55	M 9
T 10	7 18 23	20° 2'47	23°52	1 る 21	16° 1	9° 1	12°29	3°22	11°59	5°15	7°42	0°D32	2°10	10°13	14°59	T 10
W11	7 22 19	21° 3'55	8 ∺ 32	2°47	17°16	8°59	12°43	3°23	11°57	5°15	7°41	0°32	2° 7	10°20	15° 3	W11
T 12	7 26 16	22° 5'03	23° 2	4°14	18°30	8°57	12°57	3°24	11°54	5°14	7°41	0°33	2° 4	10°26	15° 7	T 12
F 13	7 30 12	23° 6'09	7 Υ 19	5°41	19°45	8°55	13°11	3°24	11°52	5°14	7°41	0°34	2° 1	10°33	15°12	F 13
S 14	7 34 9	24° 7'15	21°20	7° 9	20°59	8°51	13°25	3°26	11°49	5°14	7°41	0°R35	1°58	10°40	15°16	S 14
S 15	7 38 5	25° 8'20	5 8 6	8°38	22°14	8°47	13°39	3°27	11°47	5°14	7°41	0°35	1°54	10°46	15°20	S 15
M16	7 42 2	26° 9'23	18°36	10° 8	23°28	8°42	13°52	3°28	11°44	5°13	7°40	0°33	1°51	10°53	15°24	M16
T 17	7 45 58	27°10'26	1 II 52	11°38	24°43	8°36	14° 6	3°29	11°42	5°13	7°40	0°29	1°48	10°59	15°29	T 17
W18	7 49 55	28°11'28	14°54	13° 9	25°57	8°29	14°20	3°31	11°39	5°13	7°40	0°24	1°45	11° 6	15°33	W18
T 19	7 53 52	29°12'29	27°43	14°41	27°11	8°21	14°34	3°32	11°37	5°12	7°40	0°19	1°42	11°13	15°37	T 19
F 20	7 57 48	0≈13'29	109519	16°13	28°25	8°13	14°48	3°34	11°34	5°12	7°40	0°13	1°38	11°19	15°41	F 20
S 21	8 1 45	1°14'28	22°43	17°46	29°40	8° 4	15° 1	3°36	11°32	5°11	7°D40	0° 8	1°35	11°26	15°46	S 21
S 22	8 5 41	2°15'25	4 Ω 57	19°19	0 ∺ 54	7°54	15°15	3°38	11°29	5°11	7°40	0° 5	1°32	11°33	15°50	S 22
M23	8 9 38	3°16'22	17° 1	20°53	2° 8	7°44	15°29	3°40	11°27	5°10	7°40	0° 2	1°29	11°39	15°55	M23
T 24	8 13 34	4°17'18	28°56	22°28	3°22	7°32	15°42	3°42	11°25	5° 9	7°40	0°D 2	1°26	11°46	15°59	T 24
W25	8 17 31	5°18'13	10 m /46	24° 3	4°36	7°20	15°56	3°44	11°22	5° 9	7°40	0° 2	1°23	11°53	16° 3	W25
T 26	8 21 27	6°19'07	22°34	25°39	5°50	7° 7	16°10	3°47	11°20	5° 8	7°40	0° 3	1°19	11°59	16° 8	T 26
F 27	8 25 24	7°20'00	4 ≏ 22	27°16	7° 4	6°53	16°23	3°49	11°18	5° 8	7°41	0° 5	1°16	12° 6	16°12	F 27
S 28	8 29 21	8°20'53	16°15	28°54	8°18	6°39	16°37	3°52	11°16	5° 7	7°41	0° 7	1°13	12°13	16°16	S 28
S 29	8 33 17	9°21'44	28°17	0≈32	9°32	6°23	16°50	3°54	11°13	5° 6	7°41	0° 8	1°10	12°19	16°21	S 29
M30	8 37 14	10°22'35	10 M .34	2°11	10°46	6° 8	1 <u>7°</u> 4	3°57	11°11	5° 5	7°41	0°R 9	1° 7	12°26	16°25	M30
T 31	8 41 10	11≈23'25	23M 9	3≈51	11 米 59	5 m 51	17중17	4 8 0	1199 9	5 ₾ 5	7 8 41	0 ∀ 8	1) (4	12 m /33	16≈30	T 31

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S 1 M 2 T 3 W 4 T 5 F 6	22 52 22 46 22 39 22 32	16 35 4 36 21 7 4 56 24 48 5 27 14 5 28 5 4 46	0 22 14 6 22 28 8 22 41 3 22 53 0 23 4	1n 3 20s41 0 55 20 23 0 46 20 4 0 38 19 45 0 29 19 26 0 21 19 5	1 s38 11n27 1 38 11 27 1 39 11 27 1 39 11 28 1 39 11 28 1 39 11 29	3 23 3 25 3 27 3 29 3 31	23 7 23 6 23 5 23 4	0 4 0 5 0 5 0 5 0 5	10 19 10 19 10 20 10 20 10 20	2 29 2 29 2 28 2 28 2 28	23 20 23 20 23 21	0 25 0 25 0 25 0 25 0 25 0 25	0 s 4 3 1 3 0 0 4	0 59 15 56 0 0 59 15 56 0 0 59 15 55 0 0 59 15 55 0 0 58 15 55	5 11 2 5 11 4 5 11 6 5 11 9 5 11 12	10 34 10 35 10 37 10 38 10 39	7 32 7 28 7 25 7 22 7 18	10 s 3 6 10 3 5 10 3 4 10 3 3 10 3 2 10 3 1	6n13 6 13 6 13 6 12 6 12 6 12
S 7 S 8 M 9 T 10 W11 T 12 F 13 S 14	22 25 22 17 22 8 21 59 21 50 21 41 21 31 21 20	24 17 3 1 19 50 1 50 14 10 0 30 7 43 0n4 0 57 2 0 5n46 3	3 23 24 4 23 32 6 23 39 3 23 45 0 23 50 7 23 54	0 13 18 44 0 5 18 23 0s 3 18 1 0 10 17 39 0 18 17 16 0 25 16 53 0 32 16 29 0 39 16 5	1 40 11 30 1 40 11 32 1 39 11 34 1 39 11 36 1 39 11 38 1 39 11 41 1 39 11 44 1 38 11 47	3 35 3 37 3 39 3 41 3 44 3 46	23 2		10 22 10 23 10 23 10 24	2 27 2 27 2 27 2 26 2 26 2 26 2 26	23 21 23 21 23 22 23 22 23 22 23 22 23 22 23 22	0 25 0 25 0 25 0 25 0 25 0 25 0 25 0 25	0 43 1 30 0 42 1 30 0 42 1 30 0 42 1 30 0 42 1 3 0 42 1 3 0 42 1 3	0 0 58 15 54 0 0 58 15 54 0 0 57 15 53 0 57 15 53 0 57 15 53 0 57 15 53	11 17 11 18 11 19 11 19 11 18 11 18	10 41 10 42 10 43 10 45 10 46 10 47	7 12 7 8 7 5 7 2 6 58 6 55	10 30 10 29 10 28 10 27 10 26 10 25 10 24 10 23	6 12 6 12 6 11 6 11 6 11 6 11 6 10
S 15 M16 T 17 W18 T 19 F 20 S 21	20 46 20 34 20 22 20 9	22 17 5 25 40 5 12 27 38 5 28 6 4 3 27 4 3 5 5	5 23 58 2 23 57 2 23 55 7 23 51 9 23 46	0 46 15 40 0 52 15 15 0 59 14 50 1 5 14 24 1 10 13 57 1 16 13 31 1 21 13 4	1 38 11 50 1 37 11 54 1 36 11 58 1 36 12 3 1 35 12 7 1 34 12 12 1 33 12 17	3 52 3 54 3 55 3 57 3 59	22 53 22 52 22 50 22 49 22 48 22 46 22 45	0 6 0 6 0 6 0 6 0 6 0 6	10 26 10 26 10 27 10 28 10 29	2 25 2 24 2 24 2 24 2 24 2 24	23 23 23 23 23 23 23 23 23 24 23 24 23 24		0 42 1 3 0 41 1 3 0 40 1 3	0 56 15 51 0 56 15 51 0 55 15 51 0 55 15 50 0 55 15 50	11 18 11 20 11 21 0 11 23 0 11 25	10 50 10 51 10 53 10 54 10 55	6 45 6 42 6 39 6 35 6 32	10 22 10 21 10 20 10 19 10 18 10 17 10 16	6 10 6 10 6 10 6 10 6 10 6 9 6 9
S 22 M23 T 24 W25 T 26 F 27 S 28	19 28	16 54 1 1 11 58 0 6 6 38 0 85 1 6 2 4 828 2 5 9 55 3 4	1 23 22 6 23 11 9 22 59 1 22 45 8 22 30	1 26 12 37 1 31 12 9 1 36 11 41 1 40 11 13 1 44 10 44 1 47 10 15 1 51 9 46 1 54 9 17	1 32 12 23 1 31 12 28 1 30 12 34 1 28 12 40 1 27 12 47 1 26 12 53 1 24 13 0 1 22 13 7	4 5 4 6 4 8 4 10 4 11 4 13	22 43 22 42 22 41 22 39 22 38 22 36 22 34 22 33	0 6 0 7 0 7 0 7 0 7 0 7 0 7	10 32 10 33 10 34 10 35 10 36	2 23 2 22 2 22 2 22 2 21 2 21	23 25	0 25 0 25 0 25	0 40 1 3 0 40 1 3 0 40 1 3 0 39 1 3 0 39 1 3 0 39 1 3 0 38 1 3	0 54 15 49 0 53 15 49 0 53 15 48 0 53 15 48 0 52 15 48 0 52 15 47	11 29 11 29 11 29 11 29 11 29 11 28 11 27	10 58 10 59 11 1 11 2 11 3 11 4	6 22 6 19 6 15 6 12 6 9 6 5	10 15 10 13 10 12 10 11 10 10 10 9 10 8	6 9 6 9 6 9 6 9 6 9 6 9 6 9
M30 T 31	17 41	19 44 4 5	8 21 36	1 56 8 48 1 s59 8 s18	1 21 13 15 1 s19 13 n22	4 16	22 31 22 s30	0 7		2 21	23 26 23 n26	0 25	0 38 1 32 0 s37 1 n32	0 51 15 47	11 27	11 6	5 58		6 8 6n 8

Julian Day Number = 2311657.5, Delta T = 69.40 sec Ecliptic obliquity = $23^{\circ}29'28$, Nutation = $0^{\circ}00'08$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}23'41$, Lahiri = $18^{\circ}30'42$ Greg. Calendar

FEBRUARY 1617 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	Р	₽.	v	Ç	Ŗ	Day
W 1	8 45 7	12≈24'13	6 ₹ 8	5≈31	13) 13	5°R34	17 云 30	4 8 3	11°R 7	5°R 4	7 8 42	0°R 7	1) 0	12 m 39	16≈34	W 1
T 2	8 49 3	13°25'01	19°33	7°13	14°27	5 m)16	17°44	4° 6	1199 5	5 ₾ 3	7°42	0 ∀ 5	0°57	12°46	16°39	T 2
F 3	8 53 0	14°25'48	3 궁 26	8°55	15°41	4°57	17°57	4° 9	11° 3	5° 2	7°42	0° 3	0°54	12°52	16°43	F 3
S 4	8 56 56	15°26'34	17°45	10°38	16°54	4°38	18°10	4°12	11° 1	5° 1	7°42	0° 1	0°51	12°59	16°47	S 4
S 5	9 0 53	16°27'18	2≈26	12°21	18° 8	4°18	18°23	4°16	10°59	5° 0	7°43	29≈59	0°48	13° 6	16°52	S 5
M 6	9 4 50	17°28'01	17°23	14° 6	19°21	3°58	18°37	4°19	10°57	4°59	7°43	29°58	0°44	13°12	16°56	M 6
T 7	9 8 46	18°28'43	2) 29	15°51	20°35	3°37	18°50	4°23	10°55	4°58	7°43	29°D58	0°41	13°19	17° 1	T 7
W 8	9 12 43	19°29'23	17°33	17°38	21°48	3°15	19° 3	4°26	10°53	4°57	7°44	29°58	0°38	13°26	17° 5	W 8
T 9	9 16 39	20°30'01	2 Y 27	19°25	23° 1	2°54	19°16	4°30	10°51	4°56	7°44	29°59	0°35	13°32	17°10	T 9
F 10	9 20 36	21°30'38	17° 5	21°12	24°15	2°31	19°29	4°34	10°49	4°55	7°45	29°59	0°32	13°39	17°14	F 10
S 11	9 24 32	22°31'13	1822	23° 1	25°28	2° 9	19°42	4°38	10°47	4°54	7°45	0 ∺ 0	0°29	13°46	17°18	S 11
S 12	9 28 29	23°31'46	15°15	24°51	26°41	1°46	19°54	4°42	10°46	4°53	7°45	0° 1	0°25	13°52	17°23	S 12
M13	9 32 25	24°32'18	28°46	26°41	27°54	1°23	20° 7	4°46	10°44	4°52	7°46	0°R 1	0°22	13°59	17°27	M13
T 14	9 36 22	25°32'47	11 II 55	28°32	29° 7	0°59	20°20	4°50	10°42	4°50	7°46	0° 1	0°19	14° 6	17°32	T 14
W15	9 40 19	26°33'15	24°45	0) €24	o Υ 20	0°36	20°33	4°55	10°41	4°49	7°47	0° 0	0°16	14°12	17°36	W15
T 16	9 44 15	27°33'40	79519	2°16	1°33	0°12	20°45	4°59	10°39	4°48	7°48	29≈59	0°13	14°19	17°40	T 16
F 17	9 48 12	28°34'04	19°39	4° 9	2°46	29 Ω 49	20°58	5° 3	10°38	4°47	7°48	29°59	0°10	14°26	17°45	F 17
S 18	9 52 8	29°34'26	1 Ω 48	6° 2	3°59	29°25	21°10	5° 8	10°36	4°46	7°49	29°D59	0° 6	14°32	17°49	S 18
S 19	9 56 5	0) (34′46	13°48	7°55	5°11	29° 1	21°23	5°13	10°35	4°44	7°49	29°59	0° 3	14°39	17°54	S 19
M20	10 0 1	1°35'05	25°42	9°49	6°24	28°37	21°35	5°17	10°34	4°43	7°50	29°R59	29≈59	14°46	17°58	M20
T 21	10 3 58	2°35'21	7 m 33	11°42	7°36	28°13	21°47	5°22	10°32	4°42	7°51	29°59	29°57	14°52	18° 2	T 21
W22	10 7 54	3°35'36	19°21	13°35	8°49	27°50	21°59	5°27	10°31	4°40	7°51	29°59	29°54	14°59	18° 6	W22
T 23	10 11 51	4°35'49	1 ₽ 9	15°28	10° 1	27°26	22°12	5°32	10°30	4°39	7°52	29°59	29°50	15° 5	18°11	T 23
F 24	10 15 48	5°36'00	13° 0	17°20	11°13	27° 3	22°24	5°37	10°28	4°38	7°53	29°58	29°47	15°12	18°15	F 24
S 25	10 19 44	6°36'09	24°57	19°10	12°26	26°40	22°36	5°42	10°27	4°36	7°53	29°57	29°44	15°19	18°19	S 25
S 26	10 23 41	7°36'17	7 M 2	20°59	13°38	26°18	22°47	5°48	10°26	4°35	7°54	29°56	29°41	15°25	18°24	S 26
M27	10 27 37	8°36'24	19°20	22°46	14°50	25°55	22°59	5°53	10°25	4°33	7°55	29°56	29°38	15°32	18°28	M27
T 28	10 31 34	9) 36'29	1 ₹ 53	24) 30	16 ° 2	25 Ω 33	23 る 11	5 8 58	109524	4 ₾ 32	7 8 56	29≈55	29≈35	15 m 39	18≈32	T 28

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W 1	17s 7	26 s32 5 s	5 20s53	2s 1	7 s48	1 s 1 7	13n30	4n19	22 s28	0s 8	10n42	2 s20	23n26	0n25	0s37	1n32	0s50	15 s46	11 s27	11s 8	5n52	10s 3	6n 8
T 2	16 50	28 2 4 3	8 20 29	2 2	7 18	1 15	13 38	4 20	22 26	0 8	10 43	2 20	23 26	0 25	0 36	1 32	0 50	15 46	11 28	11 10	5 48	10 1	6 8
F 3	16 32	27 51 4 2	24 20 3	2 4	6 47	1 13	13 45	4 21	22 25	0 8	10 44	2 19	23 26	0 25	0 36	1 32	0 49	15 45	11 29	11 11	5 45	10 0	6 8
S 4	16 14	25 50 3 3	33 19 36	2 4	6 17	1 11	13 54	4 22	22 23	0 8	10 46	2 19	23 27	0 25	0 36	1 32	0 49	15 45	11 30	11 12	5 42	9 59	6 8
S 5	15 56	22 3 2 2	27 19 8	2 5	5 46	1 9	14 2	4 23	22 21	0 8	10 47	2 19	23 27	0 25	0 35	1 32	0 49	15 44	11 30	11 13	5 38	9 58	6 8
M 6	15 38	16 45 1	9 18 37	2 5	5 15	1 7	14 10	4 24	22 20	0 8	10 49	2 19	23 27	0 25	0 35	1 32	0 48	15 44	11 30	11 14	5 35	9 56	6 8
T 7	15 19	10 24 0n	4 18 6	2 4	4 44	1 5	14 19	4 25	22 18	0 8	10 50	2 18	23 27	0 25	0 34	1 32	0 48	15 44	11 31	11 15	5 32	9 55	6 8
W 8	15 0	3 27 1 3	36 17 33	2 3	4 13	1 3	14 27	4 25	22 16	0 8	10 52	2 18	23 27	0 25	0 34	1 32	0 47	15 43	11 30	11 16	5 28	9 54	6 8
T 9	14 41	3n35 2 5	16 58	2 2	3 42	1 0	14 36	4 26	22 15	0 8	10 53	2 18	23 27	0 25	0 33	1 32	0 47	15 43	11 30	11 17	5 25	9 53	6 8
F 10	14 22	10 18 3 3	3 16 21	2 0	3 11	0 58	14 44	4 26	22 13	0 9	10 55	2 18	23 28	0 25	0 33	1 32	0 46	15 43	11 30	11 19	5 22	9 51	6 8
S 11	14 2	16 20 4 3	15 44	1 58	2 39	0 56	14 53	4 27	22 11	0 9	10 56	2 17	23 28	0 25	0 33	1 32	0 46	15 42	11 30	11 20	5 18	9 50	6 8
S 12	13 42	21 20 5	7 15 4	1 55	2 8	0 53	15 1	4 27	22 9	0 9	10 58	2 17	23 28	0 25	0 32	1 32	0 46	15 42	11 30	11 21	5 15	9 49	6 8
M13	13 22	25 5 5	8 14 24	1 52	1 36	0 50	15 10	4 27	22 8	0 9	10 59	2 17	23 28	0 25	0 32	1 32	0 45	15 42	11 30	11 22	5 12	9 47	6 8
T 14	13 2	27 24 5	1 13 41	1 48	1 5	0 48	15 18	4 27	22 6	0 9	11 1	2 16	23 28	0 25	0 31	1 32	0 45	15 41	11 30	11 23	5 8	9 46	6 8
W15	12 41	28 12 4 4	19 12 58	1 43	0 33	0 45	15 27	4 27	22 4	0 9	11 3	2 16	23 28	0 25	0 31	1 32	0 44	15 41	11 30	11 24	5 5	9 45	6 8
T 16	12 21	27 30 4	3 12 13	1 38	0 2	0 42	15 35	4 27	22 2	0 9	11 4	2 16	23 28	0 25	0 30	1 32	0 44	15 41	11 30	11 25	5 2	9 43	6 8
F 17	12 0	25 27 3 2	26 11 26	1 32	0n30	0 39	15 44	4 27	22 0	0 9	11 6	2 16	23 28	0 25	0 29	1 32	0 43	15 40	11 30	11 26	4 58	9 42	6 8
S 18	11 39	22 15 2 3	30 10 39	1 26	1 1	0 37	15 52	4 27	21 59	0 9	11 8	2 15	23 29	0 25	0 29	1 32	0 43	15 40	11 30	11 28	4 55	9 41	6 8
S 19	11 17	18 8 1 2	9 50	1 19	1 33	0 34	16 0	4 26	21 57	0 10	11 10	2 15	23 29	0 25	0 28	1 32	0 42	15 40	11 30	11 29	4 52	9 39	6 8
M20	10 56	13 21 0 2	24 9 0	1 11	2 5	0 31	16 8	4 26	21 55	0 10	11 12	2 15	23 29	0 25	0 28	1 32	0 42	15 40	11 30	11 30	4 48	9 38	6 8
T 21	10 34	8 7 0s4	8 10	1 3	2 36	0 28	16 15	4 25	21 53	0 10	11 13	2 15	23 29	0 25	0 27	1 32	0 41	15 39	11 30	11 31	4 45	9 37	6 8
W22	10 13	2 36 1 4	16 7 18	0 54	3 8	0 25	16 23	4 24	21 51	0 10	11 15	2 14	23 29	0 25	0 27	1 33	0 41	15 39	11 30	11 32	4 41	9 35	6 8
T 23	9 51	2s59 2 4	6 26	0 45	3 39	0 21	16 30	4 23	21 49	0 10	11 17	2 14	23 29	0 25	0 26	1 33	0 40	15 39	11 30	11 33	4 38	9 34	6 8
F 24	9 29	8 29 3 3	5 33	0 35	4 10	0 18	16 38	4 23	21 48	0 10	11 19	2 14	23 29	0 25	0 26	1 33	0 40	15 38	11 30	11 34	4 35	9 33	6 8
S 25	9 6	13 43 4 2	20 4 40	0 24	4 41	0 15	16 45	4 21	21 46	0 10	11 21	2 14	23 29	0 25	0 25	1 33	0 39	15 38	11 31	11 35	4 31	9 31	6 8
S 26	8 44	18 29 4 3	3 47	0 13	5 13	0 12	16 51	4 20	21 44	0 10	11 23	2 14	23 29	0 25	0 24	1 33	0 39	15 38	11 31	11 36	4 28	9 30	6 9
M27	8 22	22 36 5	2 54	0 1	5 44	0 8	16 58	4 19	21 42	0 11	11 25	2 13	23 29	0 25	0 24	1 33	0 38	15 37	11 31	11 38	4 25	9 29	6 9
T 28	7 s59	25 s45 5 s	7 2s 1	0n11	6n15	0s 5	17n 4	4n18	21 s40	0 s11	11n27	2 s 1 3	23n29	0n25	0 s23	1n33	0s38	15 s37	11 s32	11 s39	4n21	9 s27	6n 9

Julian Day Number = 2311688.5, Delta T = 69.32 sec

Ecliptic obliquity = 23°29'28, Nutation = 0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'46, Lahiri = 18°30'46Greg. Calendar

MARCH 1617 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	♂ [™]	4	ħ)∤(并	Р	R	ດ	Ç	ķ	Day
W 1	10 35 30	10 ¥ 36'32	14 × 746	26) 11	17 Y 14	25°R12	23 23	6 ප 4	10°R23	4°R30	7 8 56	29°D55	29≈31	15 m)45	18≈36	W 1
T 2	10 39 27	11°36'34	28° 2	27°49	18°25	24 Ω 51	23°34	6° 9	109522	4 <u>₽</u> 29	7°57	29≈55	29°28	15°52	18°40	T 2
F 3	10 43 23	12°36'34	11 중 44	29°23	19°37	24°30	23°46	6°15	10°22	4°27	7°58	29°56	29°25	15°59	18°44	F 3
S 4	10 47 20	13°36'32	25°52	0 Υ 52	20°49	24°10	23°57	6°20	10°21	4°26	7°59	29°57	29°22	16° 5	18°49	S 4
S 5	10 51 17	14°36'29	10≈26	2°16	22° 0	23°50	24° 9	6°26	10°20	4°24	8° 0	29°58	29°19	16°12	18°53	S 5
M 6	10 55 13	15°36'24	25°20	3°34	23°11	23°31	24°20	6°32	10°19	4°23	8° 1	29°R59	29°16	16°19	18°57	M 6
T 7	10 59 10	16°36'17	10 米 29	4°46	24°23	23°13	24°31	6°38	10°19	4°21	8° 2	29°59	29°12	16°25	19° 1	T 7
W 8	11 3 6	17°36'08	25°43	5°52	25°34	22°55	24°42	6°44	10°18	4°20	8° 2	29°58	29° 9	16°32	19° 5	W 8
T 9	11 7 3	18°35'57	10 Y 53	6°51	26°45	22°38	24°53	6°50	10°18	4°18	8° 3	29°56	29° 6	16°39	19° 9	T 9
F 10	11 10 59	19°35'43	25°48	7°42	27°56	22°22	25° 4	6°56	10°17	4°17	8° 4	29°53	29° 3	16°45	19°13	F 10
S 11	11 14 56	20°35'28	10822	8°26	29° 7	22° 6	25°15	7° 2	10°17	4°15	8° 5	29°50	29° 0	16°52	19°17	S 11
S 12	11 18 52	21°35'10	24°30	9° 1	0818	21°51	25°25	7° 8	10°16	4°13	8° 6	29°48	28°56	16°59	19°21	S 12
M13	11 22 49	22°34'51	8 Ⅱ 10	9°29	1°29	21°37	25°36	7°14	10°16	4°12	8° 7	29°46	28°53	17° 5	19°25	M13
T 14	11 26 46	23°34'29	21°22	9°48	2°39	21°23	25°46	7°21	10°16	4°10	8°8	29°D46	28°50	17°12	19°28	T 14
W15	11 30 42	24°34'04	49511	9°59	3°50	21°11	25°57	7°27	10°16	4° 9	8° 9	29°46	28°47	17°18	19°32	W15
T 16	11 34 39	25°33'37	16°39	10°R 2	5° 0	20°59	26° 7	7°33	10°15	4° 7	8°10	29°47	28°44	17°25	19°36	T 16
F 17	11 38 35	26°33'08	28°51	9°58	6°10	20°47	26°17	7°40	10°15	4° 5	8°11	29°49	28°41	17°32	19°40	F 17
S 18	11 42 32	27°32'37	10 Ω 51	9°45	7°20	20°37	26°27	7°46	10°D15	4° 4	8°12	29°51	28°37	17°38	19°43	S 18
S 19	11 46 28	28°32'03	22°44	9°25	8°30	20°27	26°37	7°53	10°15	4° 2	8°14	29°52	28°34	17°45	19°47	S 19
M20	11 50 25	29°31'27	4 Mp 32	8°59	9°40	20°19	26°47	7°59	10°15	4° 0	8°15	29°R52	28°31	17°52	19°51	M20
T 21	11 54 21	0 Ƴ 30'49	16°19	8°26	10°50	20°11	26°57	8° 6	10°15	3°59	8°16	29°51	28°28	17°58	19°54	T 21
W22	11 58 18	1°30'09	28° 8	7°49	11°59	20° 3	27° 6	8°13	10°16	3°57	8°17	29°48	28°25	18° 5	19°58	W22
T 23	12 2 15	2°29'27	10☎ 1	7° 7	13° 9	19°57	27°16	8°20	10°16	3°55	8°18	29°43	28°21	18°12	20° 1	T 23
F 24	12 6 11	3°28'42	21°59	6°21	14°18	19°51	27°25	8°26	10°16	3°54	8°19	29°38	28°18	18°18	20° 5	F 24
S 25	12 10 8	4°27'56	4M 4	5°33	15°27	19°46	27°34	8°33	10°16	3°52	8°20	29°31	28°15	18°25	20° 8	S 25
S 26	12 14 4	5°27'08	16°18	4°43	16°36	19°42	27°43	8°40	10°17	3°50	8°21	29°25	28°12	18°32	20°12	S 26
M27	12 18 1	6°26'17	28°43	3°53	17°45	19°39	27°52	8°47	10°17	3°49	8°23	29°19	28° 9	18°38	20°15	M27
T 28	12 21 57	7°25'26	11 × 121	3° 4	18°54	19°36	28° 1	8°54	10°18	3°47	8°24	29°15	28° 6	18°45	20°19	T 28
W29	12 25 54	8°24'32	2 <u>4</u> °15	2°16	20° 2	19°34	28°10	9° 1	10°18	3°45	8°25	29°12	28° 2	18°52	20°22	W29
T 30	12 29 50	9°23'37	7 조 27	1°30	21°11	19°33	28°19	9° 8	10°19	3°44	8°26	29°D11	27°59	18°58	20°25	T 30
F 31	12 33 47	10 Y 22'39	20 궁 59	0 Υ 48	22819	19°D33	28 ට 27	9 8 15	109520	3 ≏ 42	8 8 27	29≈11	27≈56	19 m 5	20≈28	F 31

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W 1 T 2 F 3	7 13	27 s42 5 s 7 28 9 4 40 26 54 3 57	1s 9 0n2 0 18 0 3 0n31 0 5	7 16 0n 2	17 16 4 15 17 21 4 13	21 35 0 11	11 31 2 13 11 33 2 12	23n29 0n25 23 30 0 24 23 30 0 24	0s23 1n33 0 22 1 33 0 21 1 33	0 37 15 36	11 s32 11 s40 11 31 11 41 11 31 11 42	4n18 4 15 4 11	9 s 2 6 6 9 9 2 5 6 9 9 2 3 6 9
S 4 S 5 M 6 T 7		23 56 2 58 19 22 1 46 13 30 0 26 6 46 0n58	2 5 1 1 2 49 1 3 3 30 1 4	8 8 47 0 12 11 9 17 0 16 15 9 46 0 19	17 32 4 10 17 36 4 8 17 41 4 6	21 31 0 11 21 29 0 11 21 27 0 12	11 37 2 12 11 39 2 12 11 41 2 12	23 30 0 24 23 30 0 24 23 30 0 24 23 30 0 24	0 21 1 33 0 20 1 33 0 19 1 33 0 19 1 33	0 34 15 35 0 34 15 35	11 30 11 44 11 30 11 45 11 30 11 47	4 8 4 5 4 1 3 58	9 22 6 9 9 20 6 9 9 19 6 9 9 18 6 10
W 8 T 9 F 10 S 11	4 55 4 31 4 8 3 44	0n24 2 18 7 29 3 27 14 3 4 22 19 40 4 58	4 8 1 5 4 43 2 1 5 15 2 2 5 43 2 3	1 10 45 0 27 23 11 14 0 30	17 49 4 2 17 52 4 0	21 24 0 12 21 22 0 12	11 45 2 11 11 48 2 11	23 30 0 24 23 30 0 24 23 30 0 24 23 30 0 24	0 18 1 33 0 18 1 33 0 17 1 33 0 16 1 33	0 33 15 35 0 32 15 34	11 31 11 48 11 31 11 49 11 32 11 50 11 33 11 51	3 54 3 51 3 48 3 44	9 16 6 10 9 15 6 10 9 14 6 10 9 12 6 10
S 12 M13 T 14 W15 T 16 F 17 S 18	2 10	28 5 4 53 27 46 4 20 26 1 3 36 23 5 2 42	6 27 2 5 6 43 3 6 54 3 1 7 2 3 1	5 12 40 0 41 4 13 8 0 45 2 13 35 0 49 9 14 3 0 53 4 14 30 0 56	18 1 3 54 18 3 3 51 18 5 3 49	21 16 0 12 21 14 0 12 21 13 0 13 21 11 0 13 21 9 0 13	11 54 2 10 11 56 2 10 11 59 2 10 12 1 2 10 12 3 2 10	23 30 0 24 23 30 0 24 23 30 0 24	0 16 1 33 0 15 1 33 0 14 1 33 0 14 1 33 0 13 1 33 0 12 1 33 0 12 1 33	0 31 15 34 0 30 15 33 0 30 15 33 0 29 15 33 0 29 15 33	11 34 11 52 11 35 11 53 11 35 11 54 11 35 11 55 11 34 11 56 11 34 11 58 11 33 11 59	3 41 3 38 3 34 3 31 3 28 3 24 3 21	9 11 6 10 9 10 6 11 9 8 6 11 9 7 6 11 9 6 6 11 9 4 6 11 9 3 6 11
S 19 M20 T 21 W22 T 23 F 24 S 25	0 11 0n12 0 36 1 0 1 23	9 28 0s26 4 2 1 29 1s32 2 29 7 4 3 22 12 23 4 7	6 14 3 2 5 52 3 1 5 28 3 1	19 15 48 1 8 18 16 14 1 11 14 16 39 1 15 9 17 4 1 19	18 11 3 32 18 11 3 30 18 10 3 27	21 4 0 13 21 2 0 13 21 0 0 14 20 59 0 14 20 57 0 14	12 10 2 9 12 12 2 9 12 15 2 9 12 17 2 9 12 17 2 8	23 30 0 24 23 30 0 24 23 30 0 24	0 11 1 33 0 10 1 33 0 10 1 33 0 9 1 33 0 8 1 33 0 8 1 33 0 7 1 33	0 26 15 32 0 26 15 31	11 33 12 1 11 33 12 2 11 34 12 3 11 36 12 4 11 38 12 5	3 17 3 14 3 11 3 7 3 4 3 1 2 57	9 2 6 12 9 0 6 12 8 59 6 12 8 58 6 12 8 56 6 12 8 55 6 13 8 54 6 13
S 26 M27 T 28 W29 T 30 F 31	-	24 58 5 11 27 12 5 4 28 4 4 42 27 21 4 4	4 2 2 4 3 30 2 2 2 59 2 1 2 27 2	12 18 39 1 33 19 19 2 1 37 16 19 24 1 41 1 19 46 1 44	18 7 3 20 18 6 3 17 18 4 3 15 18 2 3 12	20 52 0 14 20 50 0 14 20 49 0 15 20 47 0 15	12 26 2 8 12 29 2 8 12 31 2 8 12 33 2 8	23 30 0 24 23 30 0 24 23 30 0 24 23 29 0 24 23 29 0 24 23n29 0n24	0 6 1 33 0 5 1 33 0 4 1 33	0 22 15 30 0 22 15 30	_	2 54 2 51 2 47 2 44 2 40 2n37	8 53 6 13 8 51 6 13 8 50 6 14 8 49 6 14 8 48 6 14 8 546 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Julian Day Number = 2311716.5, Delta T = 69.25 sec Ecliptic obliquity = $23^{\circ}29'29$, Nutation = $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}23'50$, Lahiri = $18^{\circ}30'50$ Greg. Calendar

APRIL 1617 GC 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	♂	4	ħ)∤(#	Р	ß	Ω	Ç	ķ	Day
S 1	12 37 44	11 Y 21'40	4≈54	0°R 9	23 8 27	19 £ 33	28 궁 35	9 8 22	10920	3°R41	8 8 29	29≈13	27≈53	19 m 12	20≈32	S 1
S 2	12 41 40	12°20'40	19°12	29) 34	24°35	19°34	28°44	9°30	10°21	3 ॒ 39	8°30	29°14	27°50	19°18	20°35	S 2
M 3	12 45 37	13°19'37	3 ∺ 50	29° 4	25°43	19°36	28°52	9°37	10°22	3°37	8°31	29°R14	27°47	19°25	20°38	M 3
T 4	12 49 33	14°18'32	18°46	28°39	26°50	19°38	29° 0	9°44	10°23	3°36	8°32	29°13	27°43	19°32	20°41	T 4
W 5	12 53 30	15°17'26	3 Υ 52	28°19	27°58	19°42	29° 8	9°51	10°24	3°34	8°34	29° 9	27°40	19°38	20°44	W 5
T 6	12 57 26	16°16'18	18°59	28° 4	29° 5	19°46	29°15	9°59	10°25	3°32	8°35	29° 3	27°37	19°45	20°47	T 6
F 7	13 1 23	17°15'07	3 8 58	27°55	0 Ⅱ 12	19°50	29°23	10° 6	10°26	3°31	8°36	28°56	27°34	19°52	20°50	F 7
S 8	13 5 19	18°13'55	18°39	27°D51	1°19	19°56	29°30	10°13	10°27	3°29	8°37	28°49	27°31	19°58	20°52	S 8
S 9	13 9 16	19°12'40	2П55	27°52	2°25	20° 1	29°37	10°21	10°28	3°28	8°39	28°41	27°27	20° 5	20°55	S 9
M10	13 13 12	20°11'24	16°43	27°59	3°32	20° 8	29°45	10°28	10°29	3°26	8°40	28°35	27°24	20°11	20°58	M10
T 11	13 17 9	21°10'05	0ഇ 3	28°10	4°38	20°15	29°52	10°36	10°30	3°24	8°41	28°31	27°21	20°18	21° 1	T 11
W12	13 21 6	22° 8'44	12°55	28°26	5°44	20°23	29°58	10°43	10°32	3°23	8°43	28°29	27°18	20°25	21° 3	W12
T 13	13 25 2	23° 7'20	25°25	28°47	6°50	20°32	0≈ 5	10°51	10°33	3°21	8°44	28°D28	27°15	20°31	21° 6	T 13
F 14	13 28 59	24° 5'55	7 Ω 36	29°13	7°56	20°41	0°11	10°58	10°34	3°20	8°45	28°29	27°12	20°38	21° 9	F 14
S 15	13 32 55	25° 4'27	19°34	29°43	9° 1	20°50	0°18	11° 6	10°36	3°18	8°47	28°30	27° 8	20°45	21°11	S 15
S 16	13 36 52	26° 2'57	1 m) 24	o Υ 17	10° 6	21° 1	0°24	11°13	10°37	3°17	8°48	28°R30	27° 5	20°51	21°13	S 16
M17	13 40 48	27° 1'25	13°11	0°55	11°11	21°12	0°30	11°21	10°39	3°15	8°49	28°29	27° 2	20°58	21°16	M17
T 18	13 44 45	27°59'50	24°58	1°36	12°16	21°23	0°36	11°29	10°40	3°14	8°51	28°25	26°59	21° 5	21°18	T 18
W19	13 48 41	28°58'14	6 ₽ 51	2°22	13°20	21°35	0°42	11°36	10°42	3°12	8°52	28°19	26°56	21°11	21°20	W19
T 20	13 52 38	29°56'35	18°50	3°11	14°24	21°47	0°47	11°44	10°43	3°11	8°53	28°11	26°52	21°18	21°23	T 20
F 21	13 56 35	0 8 54'55	OM.58	4° 3	15°28	22° 0	0°53	11°52	10°45	3°10	8°55	28° 1	26°49	21°25	21°25	F 21
S 22	14 0 31	1°53'13	13°15	4°58	16°31	22°14	0°58	11°59	10°47	3° 8	8°56	27°49	26°46	21°31	21°27	S 22
S 23	14 4 28	2°51'29	25°44	5°56	17°35	22°28	1° 3	12° 7	10°49	3° 7	8°57	27°38	26°43	21°38	21°29	S 23
M24	14 8 24	3°49'44	8 ∡ 724	6°58	18°38	22°42	1° 8	12°15	10°51	3° 5	8°59	27°27	26°40	21°45	21°31	M24
T 25	14 12 21	4°47'57	21°15	8° 2	19°40	22°57	1°13	12°22	10°53	3° 4	9° 0	27°18	26°37	21°51	21°33	T 25
W26	14 16 17	5°46'09	4 ට 19	9° 9	20°43	23°13	1°17	12°30	10°54	3° 3	9° 1	27°12	26°33	21°58	21°35	W26
T 27	14 20 14	6°44'19	17°36	10°18	21°45	23°29	1°22	12°38	10°56	3° 1	9° 3	27° 8	26°30	22° 5	21°37	T 27
F 28	14 24 10	7°42'27	1≈ 8	11°30	22°47	23°45	1°26	12°45	10°58	3° 0	9° 4	27° 7	26°27	22°11	21°39	F 28
S 29	14 28 7	8°40'34	14°56	12°44	23°48	24° 2	1°30	12°53	11° 1	2°59	9° 5	27°D 7	26°24	22°18	21°40	S 29
S 30	14 32 4	9 8 38'40	29≈ 1	14 Y 1	24∏49	24 Ω 19	1≈34	138 1	1195 3	2 ≙ 57	9 8 7	27°R 7	26≈21	22 Mp 25	21≈42	S 30

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S 1	4n30	21 s 9 2 s	8 1n26	1n30 20n28	1n51 17n5	7 3n 8	20 s44	0 s15	12n38	2s 7	23n29	0n24	0s 2 1n33	0s21 15s30	11 s46	12 s14	2n34	8 s45	6n15
S 2	4 53	15 58 0 5	4 0 57	1 14 20 49	1 55 17 5	4 3 5	20 42	0 15	12 41	2 7	23 29	0 24	0 2 1 33	0 20 15 29	11 46	12 15	2 30	8 44	6 15
M 3	5 16	-		0 57 21 9			20 41	0 15	-	2 7			0 1 1 33		-	-	2 27	8 43	6 15
T 4	5 39	2 52 1 4		0 41 21 28			20 39		12 45	2 7			0 0 1 33		11 46		2 24	8 41	6 15
W 5 T 6	6 2 6 25	-		0 25 21 47 0 10 22 5			3 20 38 5 20 37	0 16	12 48 12 50	2 7 2 7	23 29 23 29		0n 0 1 33 0 1 1 33		-	-	2 20 2 17	8 40 8 39	6 16 6 16
F 7				0 10 22 3 0s 6 22 23			3 20 37		12 53		23 29		0 1 1 33			-	2 17	8 38	6 16
S 8	7 10		3 1 10	0 21 22 40			20 34		12 55	2 6			0 2 1 33		-		2 10	8 37	6 17
S 9	7 32	25 48 5	7 1 23	0 35 22 57	2 18 17 3	0 2 48	20 32	0 16	12 57	2 6	23 29	0 24	0 3 1 33	0 16 15 28	11 57	12 23	2 7	8 36	6 17
M10	7 54	27 41 4 5	2 1 33	0 49 23 13	2 21 17 2		20 31	0 16		2 6		0 24	0 3 1 33		-	12 24	2 3	8 34	6 17
T 11	8 17			1 2 23 29			20 30	0 17	-	2 6		0 24	0 4 1 33			12 25	2 0	8 33	6 18
W12				1 14 23 44	2 27 17 1			0 17	-	2 6			0 5 1 33				1 57	8 32	6 18
T 13 F 14		23 52 2 4 20 11 1 5		1 26 23 58 1 37 24 12	2 30 17 1 2 33 17		20 27 7 20 26	0 17 0 17		2 6 2 6			0 5 1 33 0 6 1 33				1 53 1 50	8 31 8 30	6 18 6 18
S 15	-	15 44 0 4		1 47 24 12	2 36 17		1 20 25		13 12	2 6		-	0 6 1 33 0 6 1 33			12 28	1 47	8 29	6 19
S 16	10 5	10 46 0s1	6 1 40	1 57 24 38	2 39 16 5	5 2 32	2 20 24	0 17	13 14	2 6	23 28	0 24	0 7 1 33	0 13 15 28	12 1	12 31	1 43	8 28	6 19
M17	10 26	5 26 1 1	8 1 33	2 6 24 50	2 41 16 5	0 2 30	20 22	0 18	13 17	2 5	23 28	0 24	0 8 1 33	0 12 15 28	12 2	12 32	1 40	8 27	6 19
T 18	10 47	0s 5 2 1			2 44 16 4		3 20 21	0 18		2 5			0 8 1 33		-		1 37	8 26	6 20
W19	11 8	5 38 3 1			2 46 16 3		20 20	0 18		2 5			0 9 1 33			_	1 33	8 25	6 20
T 20 F 21	11 29 11 49			2 28 25 22 2 34 25 32	2 49 16 3 2 51 16 2		3 20 19 1 20 18	0 18 0 18		2 5 2 5		0 24 0 24	0 9 1 33 0 10 1 33			12 35	1 30 1 26	8 24 8 23	6 20 6 21
S 22	,			2 34 23 32 2 39 25 41	2 53 16 1		20 18	0 18			23 27	0 24	0 10 1 33				1 23	8 22	6 21
S 23	12 29	24 8 5	3 0 8	2 44 25 49	2 56 16 1		20 16	0 19	13 31	2 5		0 24	0 11 1 33	0 10 15 27	12 19	12 38	1 20	8 21	6 21
M24				2 47 25 57	2 58 16		20 15	0 19		2 5		0 24	0 11 1 33		-		1 16	8 20	6 22
T 25	13 9	27 49 4 3	7 0 35	2 51 26 4	3 0 15 5		20 14	0 19	13 36	2 5	23 26	0 24	0 12 1 33	0 9 15 27	12 26	12 40	1 13	8 19	6 22
W26	13 28		2 0 59	2 53 26 11	3 1 15 5		20 14	0 19	13 38	2 5		0 24	0 12 1 33		12 28		1 10	8 18	6 22
T 27	13 48			2 55 26 17	3 3 15 4		20 13	0 19	-	2 5			0 13 1 33		12 30		1 6	8 17	6 23
F 28		22 7 2 1	-	2 56 26 22	3 5 15 3		-	0 20		2 5		-	0 13 1 33				1 3	8 16	6 23
S 29	14 25	17 25 1	4 2 19	2 57 26 27	3 6 15 3	0 2 5	20 11	0 20	13 46	2 5	23 26	0 24	0 14 1 33	0 7 15 27	12 30	12 45	1 0	8 15	6 24
S 30	14n44	11 s41 On1	0 2n49	2s57 26n31	3n 8 15n2	3 2n 3	20s11	0 s20	13n48	2s 5	23n26	0n24	0n14 1n33	0s 7 15s27	12 s30	12 s46	0n56	8s14	6n24

Julian Day Number = 2311747.5, Delta T = 69.16 sec Ecliptic obliquity = 23°29'29, Nutation = $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}23'54$, Lahiri = $18^{\circ}30'54$ Greg. Calendar

MAY 1617 GC 00:00 UT

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M 1	14 36 0	10836'44	13 ¥ 22	15 Y 20	25耳50	24 Ω 37	1≈38	138 9	1199 5	2°R56	9 8 8	27°R 6	26≈18	22 m 31	21≈44	M 1
T 2	14 39 57	11°34'46	27°58	16°41	26°50	24°55	1°41	13°16	11° 7	2 Ω 55	9°10	27≈ 3	26°14	22°38	21°45	T 2
W 3	14 43 53	12°32'48	12 Y 44	18° 5	27°51	25°13	1°44	13°24	11° 9	2°54	9°11	26°57	26°11	22°45	21°47	W 3
T 4	14 47 50	13°30'48	27°33	19°31	28°50	25°32	1°48	13°32	11°12	2°53	9°12	26°49	26° 8	22°51	21°48	T 4
F 5	14 51 46	14°28'46	12817	20°59	29°49	25°51	1°51	13°40	11°14	2°51	9°14	26°39	26° 5	22°58	21°49	F 5
S 6	14 55 43	15°26'43	26°49	22°29	09548	26°11	1°53	13°48	11°16	2°50	9°15	26°28	26° 2	23° 5	21°51	S 6
S 7	14 59 39	16°24'39	11 II 2	24° 1	1°47	26°31	1°56	13°55	11°19	2°49	9°16	26°17	25°58	23°11	21°52	S 7
M 8	15 3 36	17°22'32	24°49	25°36	2°45	26°52	1°58	14° 3	11°21	2°48	9°18	26° 7	25°55	23°18	21°53	M 8
T 9	15 7 33	18°20'24	89510	27°12	3°42	27°13	2° 1	14°11	11°24	2°47	9°19	26° 0	25°52	23°25	21°54	T 9
W10	15 11 29	19°18'15	21° 5	28°51	4°39	27°34	2° 3	14°19	11°26	2°46	9°20	25°55	25°49	23°31	21°55	W10
T 11	15 15 26	20°16'03	3 Ω 37	0 8 31	5°36	27°55	2° 5	14°26	11°29	2°45	9°22	25°52	25°46	23°38	21°56	T 11
F 12	15 19 22	21°13'50	15°50	2°14	6°32	28°17	2° 6	14°34	11°31	2°44	9°23	25°52	25°43	23°45	21°57	F 12
S 13	15 23 19	22°11'35	27°49	3°59	7°28	28°39	2° 8	14°42	11°34	2°43	9°24	25°51	25°39	23°51	21°58	S 13
S 14	15 27 15	23° 9'19	9 m /40	5°46	8°23	29° 2	2° 9	14°49	11°37	2°42	9°26	25°51	25°36	23°58	21°59	S 14
M15	15 31 12	24° 7'00	21°29	7°35	9°17	29°25	2°10	14°57	11°39	2°41	9°27	25°49	25°33	24° 5	22° 0	M15
T 16	15 35 8	25° 4'41	3 ₾ 19	9°26	10°11	29°48	2°11	15° 5	11°42	2°40	9°28	25°45	25°30	24°11	22° 0	T 16
W17	15 39 5	26° 2'19	15°15	11°19	11° 5	0 Mp 1 1	2°12	15°13	11°45	2°40	9°30	25°38	25°27	24°18	22° 1	W17
T 18	15 43 2	26°59'57	27°21	13°15	11°57	0°35	2°13	15°20	11°48	2°39	9°31	25°29	25°24	24°25	22° 1	T 18
F 19	15 46 58	27°57'33	9 M .40	15°12	12°50	0°59	2°13	15°28	11°50	2°38	9°32	25°18	25°20	24°31	22° 2	F 19
S 20	15 50 55	28°55'07	22°12	17°11	13°41	1°23	2°R13	15°35	11°53	2°37	9°34	25° 5	25°17	24°38	22° 2	S 20
S 21	15 54 51	29°52'41	4 ₹ 58	19°12	14°32	1°48	2°13	15°43	11°56	2°37	9°35	24°52	25°14	24°45	22° 3	S 21
M22	15 58 48	0 Ⅲ 50'13	17°57	21°15	15°22	2°13	2°13	15°51	11°59	2°36	9°36	24°40	25°11	24°51	22° 3	M22
T 23	16 2 44	1°47'44	1る 9	23°20	16°11	2°38	2°13	15°58	12° 2	2°35	9°37	24°30	25° 8	24°58	22° 3	T 23
W24	16 641	2°45'15	14°32	25°27	17° 0	3° 4	2°12	16° 6	12° 5	2°34	9°39	24°23	25° 4	25° 5	22° 4	W24
T 25	16 10 38	3°42'44	28° 5	27°34	17°47	3°29	2°11	16°13	12° 8	2°34	9°40	24°18	25° 1	25°11	22° 4	T 25
F 26	16 14 34	4°40'13	11 ≈ 47	29°43	18°34	3°55	2°10	16°21	12°11	2°33	9°41	24°16	24°58	25°18	22°R 4	F 26
S 27	16 18 31	5°37'40	25°40	1∏54	19°20	4°21	2° 9	16°28	12°14	2°33	9°42	24°D16	24°55	25°25	22° 4	S 27
S 28	16 22 27	6°35'07	9) 41	4° 5	20° 6	4°48	2° 8	16°36	12°17	2°32	9°44	24°R16	24°52	25°31	22° 4	S 28
M29	16 26 24	7°32'34	23°52	6°16	20°50	5°15	2° 6	16°43	12°20	2°32	9°45	24°15	24°49	25°38	22° 3	M29
T 30	16 30 20	8°29'59	8 Υ 10	8°28	21°34	5°42	2° 5	16°51	12°24	2°31	9°46	24°12	24°45	25°45	22° 3	T 30
W31	16 34 17	9 Ⅲ 27'24	22 Y 33	10 Ⅱ 40	22916	6MD 9	2≈ 3	16 8 58	129527	2 ≏ 31	9 8 47	24≈ 7	24≈42	25 Mp 51	22≈ 3	W31

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	decl	decl lat	decl	lat dec	l lat	decl lat	decl	lat	decl	lat	decl	lat	decl lat	decl lat	decl	decl	decl	decl	lat
M 1 T 2	15n 2 15 20	5s14 1n2: 1n34 2 3		2 s 5 7 2 6 n 3 2 5 5 2 6 3		5n15 2n 5 7 1 5	1 20s10 9 20 9				23n25 23 25	0n24 0 24	0n15 1n33 0 15 1 33		7 12 s30 7 12 31		0n53 0 49	8 s 1 4 8 1 3	6n24 6 25
W 3 T 4	15 38 15 56	8 22 3 3° 14 43 4 2°		2 54 26 4 2 51 26 4	-		7 20 9 5 20 8		13 55 13 57	2 4 2 4			0 16 1 33 0 16 1 33		7 12 33 7 12 36		0 46 0 43	8 12 8 11	6 25 6 25
F 5 S 6		20 11 4 52 24 22 5	2 5 36 1 6 13	2 48 26 4 2 45 26 4			3 20 8 2 20 7		14 0 14 2	2 4 2 4	-	0 24 0 24	0 17 1 33 0 17 1 33		7 12 40 7 12 43	-	0 39 0 36	8 10 8 10	6 26 6 26
S 7 M 8 T 9 W10 T 11 F 12	17 3 17 20 17 35 17 51 18 6	24 41 2 53 21 15 1 53 16 58 0 53	7 29 4 8 9 3 8 49 5 9 30 3 10 12	2 41 26 4 2 36 26 4 2 31 26 4 2 25 26 3 2 19 26 3 2 13 26 3	2 3 14 1 1 3 15 1 9 3 15 1 7 3 15 1 4 3 14 1	4 17 1 4 4 8 1 4 3 59 1 4 3 50 1 4 3 40 1 4		0 21 0 22 0 22 0 22 0 22 0 22	14 7 14 9 14 11 14 14 14 16	2 4 2 4 2 4 2 4 2 4 2 4	23 24 23 24 23 23 23 23 23 23	0 24 0 24 0 24 0 24 0 24	0 18 1 33 0 18 1 33 0 18 1 33 0 19 1 33 0 19 1 33 0 19 1 32	0 3 15 2 0 3 15 2 0 3 15 2 0 3 15 2 0 2 15 2 0 2 15 2	7 12 47 7 12 50 7 12 53 7 12 55 7 12 55 7 12 56	12 54 12 55 12 56 12 58 12 59	0 33 0 29 0 26 0 23 0 19 0 16	8 9 8 8 8 7 8 7 8 6 8 5	6 26 6 27 6 27 6 28 6 28 6 28
S 13 S 14 M15 T 16 W17 T 18 F 19		6 50 1 11 1 23 2 1 4s 8 3 4 9 33 3 50 14 41 4 2 19 18 4 49	4 13 4 0 13 48 5 14 32 9 15 15	1 14 25 5	6 3 13 1 2 3 13 1 7 3 12 1 2 3 11 1 6 3 9 1 9 3 8 1	3 22 1 33 3 12 1 33 3 2 1 33 2 52 1 33 2 43 1 3 2 32 1 2	9 20 5 8 20 5 6 20 5 4 20 5 3 20 5 1 20 5 9 20 5	0 23 0 23 0 23 0 23 0 23 0 24	14 20 14 23 14 25 14 27 14 29 14 32	2 4 2 4 2 4 2 4 2 4 2 4 2 4	23 23 23 22 23 22 23 22 23 22 23 21	0 24 0 24 0 24 0 24 0 24	0 20 1 32 0 20 1 32 0 20 1 32 0 21 1 32 0 21 1 32 0 21 1 32	0 1 15 2 0 1 15 2 0 0 1 15 2 0 0 0 15 2 0 0 0 15 2 0 0 0 15 2	7 13 3 7 13 7	13 1 13 2 13 3 13 4 13 5 13 6	0 13 0 9 0 6 0 2 0s 1 0 4 0 8	8 5 8 4 8 4 8 3 8 2 8 2 8 1	6 29 6 29 6 29 6 30 6 30 6 31 6 31
S 20 S 21 M22 T 23 W24 T 25 F 26 S 27	20 10 20 22 20 34 20 45 20 56	26 1 4 50 27 32 4 30 27 31 4 2 25 54 3 14 22 46 2 14 18 20 1 6	0 15 59 6 16 42 6 17 25 2 18 7 4 18 49 4 19 29 6 20 8 7 20 45	1 4 25 5 0 53 25 4 0 43 25 3 0 33 25 2 0 22 25 2 0 11 25 1 0 0 25 0n10 24 5	5 3 4 1 7 3 2 1 9 3 0 1 1 2 58 1 2 2 55 1 2 2 52 1	2 12 1 20 2 2 1 2 1 51 1 2 1 40 1 2 1 30 1 20 1 19 1 19		0 24 0 24 0 24 0 25 0 25 0 25	14 36 14 38 14 40 14 42 14 45 14 47	2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	23 21 23 20 23 20 23 20 23 20 23 19	0 24 0 24 0 24 0 24	0 22	2 0 1 15 2 0 1 15 2 0 2 15 2 0 2 15 2 0 2 15 2 0 2 15 2 0 3 15 2	7 13 11 8 13 16 8 13 20 8 13 23 8 13 25 8 13 27 8 13 28 13 28	13 8 13 9 13 10 13 11 13 13 13 14	0 11 0 14 0 18 0 21 0 24 0 28 0 31 0 34	8 1 8 0 8 0 7 59 7 59 7 59 7 58 7 58	6 31 6 32 6 32 6 33 6 33 6 33 6 34 6 34
M29 T 30	21 27 21 37 21 46 21n55	0 9 2 30 6n28 3 30	1 21 21 0 21 55 0 22 26 8 22n56	0 21 24 4 0 31 24 3 0 41 24 2 0n50 24n1	2 2 42 1 2 2 38 1	0 46 1 14 0 34 1 13	6 20 8 4 20 9 3 20 9 1 20s10	0 26 0 26	14 51 14 53 14 55 14n57	2 4	23 19 23 18 23 18 23n18	0 24 0 24	0 24 1 32 0 24 1 32 0 24 1 32 0n24 1n32	0 3 15 2 0 4 15 2	8 13 28 8 13 28 8 13 29 9 13 s31	13 17 13 18	0 38 0 41 0 44 0s48	7 58 7 57 7 57 7 s57	6 34 6 35 6 35 6n36

Julian Day Number = 2311777.5, Delta T = 69.08 sec Ecliptic obliquity = 23°29'28, Nutation = $0^{\circ}00'08$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}23'58$, Lahiri = $18^{\circ}30'58$ Greg. Calendar

JUNE 1617 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)វ(¥	Р	ß	Ω	Ç	o k	Day
T 1	16 38 13	10 Ⅲ 24'49	6 8 58	12 II 52	22957	6 m 36	2°R 1	17 8 6	12930	2°R30	9 8 49	23°R59	24≈39	25 m 58	22°R 3	T 1
F 2	16 42 10	11°22'13	21°18	15° 4	23°38	7° 4	1≈58	17°13	12°33	2 ₽ 30	9°50	23≈50	24°36	26° 5	22≈ 2	F 2
S 3	16 46 7	12°19'36	5 Ⅱ 28	17°14	24°17	7°32	1°56	17°20	12°36	2°30	9°51	23°39	24°33	26°11	22° 2	S 3
S 4	16 50 3	13°16'58	19°23	19°24	24°55	8° 0	1°53	17°27	12°40	2°29	9°52	23°28	24°30	26°18	22° 1	S 4
M 5	16 54 0	14°14'20	2958	21°32	25°32	8°28	1°50	17°35	12°43	2°29	9°53	23°19	24°26	26°25	22° 1	M 5
T 6	16 57 56	15°11'40	16°12	23°40	26° 8	8°57	1°47	17°42	12°46	2°29	9°54	23°11	24°23	26°31	22° 0	T 6
W 7	17 1 53	16° 9'00	29° 3	25°45	26°43	9°25	1°44	17°49	12°50	2°29	9°56	23° 6	24°20	26°38	22° 0	W 7
T 8	17 5 49	17° 6'19	11Ω33	27°49	27°16	9°54	1°41	17°56	12°53	2°28	9°57	23° 4	24°17	26°45	21°59	T 8
F 9	17 9 46	18° 3'37	23°46	29°51	27°48	10°24	1°37	18° 3	12°56	2°28	9°58	23°D 3	24°14	26°51	21°58	F 9
S 10	17 13 42	19° 0'54	5 m 47	1950	28°18	10°53	1°34	18°10	13° 0	2°28	9°59	23° 4	24°10	26°58	21°57	S 10
S 11	17 17 39	19°58'10	17°39	3°48	28°47	11°22	1°30	18°17	13° 3	2°28	10° 0	23°R 4	24° 7	27° 5	21°56	S 11
M12	17 21 36	20°55'26	29°28	5°44	29°15	11°52	1°26	18°24	13° 7	2°28	10° 1	23° 4	24° 4	27°11	21°55	M12
T 13	17 25 32	21°52'40	11 Ω 21	7°37	29°40	12°22	1°21	18°31	13°10	2°D28	10° 2	23° 2	24° 1	27°18	21°54	T 13
W14	17 29 29	22°49'54	23°21	9°28	0Ω 4	12°52	1°17	18°38	13°13	2°28	10° 3	22°58	23°58	27°25	21°53	W14
T 15	17 33 25	23°47'07	5 M 32	11°17	0°27	13°22	1°13	18°45	13°17	2°28	10° 4	22°51	23°55	27°31	21°52	T 15
F 16	17 37 22	24°44'20	17°59	13° 4	0°47	13°53	1° 8	18°52	13°20	2°28	10° 5	22°43	23°51	27°38	21°51	F 16
S 17	17 41 18	25°41'32	0 ₮ 42	14°48	1° 6	14°24	1° 3	18°59	13°24	2°28	10° 6	22°34	23°48	27°45	21°49	S 17
S 18	17 45 15	26°38'44	13°44	16°30	1°23	14°54	0°58	19° 5	13°27	2°28	10° 7	22°24	23°45	27°51	21°48	S 18
M19	17 49 11	27°35'55	27° 2	18°10	1°38	15°25	0°53	19°12	13°31	2°28	10° 8	22°15	23°42	27°58	21°47	M19
T 20	17 53 8	28°33'06	10 る 37	19°48	1°51	15°57	0°48	19°19	13°35	2°29	10° 9	22° 8	23°39	28° 5	21°45	T 20
W21	17 57 5	29°30'17	24°23	21°23	2° 2	16°28	0°42	19°25	13°38	2°29	10°10	22° 3	23°36	28°11	21°44	W21
T 22	18 1 1	09527'28	8≈20	22°55	2°11	16°59	0°36	19°32	13°42	2°29	10°11	22° 0	23°32	28°18	21°42	T 22
F 23	18 4 58	1°24'38	22°23	24°26	2°17	17°31	0°31	19°38	13°45	2°29	10°12	21°D59	23°29	28°25	21°41	F 23
S 24	18 8 54	2°21'49	6 ∺ 31	25°54	2°22	18° 3	0°25	19°45	13°49	2°30	10°13	22° 0	23°26	28°31	21°39	S 24
S 25	18 12 51	3°18'59	20°41	27°19	2°R24	18°35	0°19	19°51	13°52	2°30	10°14	22° 1	23°23	28°38	21°37	S 25
M26	18 16 47	4°16'10	4Υ 51	28°42	2°24	19° 7	0°13	19°57	13°56	2°31	10°15	22°R 1	23°20	28°45	21°35	M26
T 27	18 20 44	5°13'21	19° 1	0 Ω 3	2°21	19°39	0° 6	20° 4	14° 0	2°31	10°16	22° 0	23°16	28°51	21°34	T 27
W28	18 24 40	6°10'33	3 8 8	1°21	2°16	20°12	0° 0	20°10	14° 3	2°31	10°16	21°58	23°13	28°58	21°32	W28
T 29	18 28 37	7° 7'45	17°10	2°37	2° 9	20°44	29 궁 54	20°16	14° 7	2°32	10°17	21°53	23°10	29° 5	21°30	T 29
F 30	18 32 34	89 4'57	1 I I 4	3 Ω 50	1 Ω 59	21 Mp 17	29 궁 47	20822	149511	2 ॒ 32	10818	21≈47	23≈ 7	29 m 11	21≈28	F 30

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T 1 F 2 S 3	22n 3 22 12 22 19	22 58 5	19 23n22 1 23 47 55 24 9	1 8 2	24n 0 2n30 23 48 2 25 23 36 2 20	10 0	1 9	20 s11 20 11 20 12	0 s26 0 26 0 27	15 1	2 5	23n18 23 17 23 17	0 24	0 24	1n32 1 32 1 32	0n 4 15 s2 0 4 15 2 0 5 15 2	13 36	13 21	0s51 0 54 0 58	7 s 5 6 6 3 6 7 5 6 6 3 7
S 4 M 5 T 6 W 7 T 8 F 9	22 33 22 40 22 46 22 52	27 21 3 3 25 32 3 22 25 2 18 20 1	32 24 27 53 24 44 3 24 57 4 25 8 1 25 15 4 25 21	1 31 2 1 37 2 1 42 2 1 47 2	23 12 2 10 23 0 2 4 22 47 1 58 22 35 1 52	9 25 9 13 9 0 8 48	1 5 1 3 1 2 1 1		0 28	15 7 15 9 15 11 15 13	2 5 2 5	23 16 23 16 23 16 23 15	0 24 0 24 0 24 0 24	0 25 0 25 0 25 0 25 0 25	1 32 1 32 1 32 1 31 1 31	0 5 15 30 0 5 15 30	9 13 47 9 13 49 0 13 51 0 13 52	13 24 13 25 13 26 13 27	1 1 1 4 1 8 1 11 1 14	7 56 6 37 7 56 6 37 7 55 6 38 7 55 6 38 7 55 6 38 7 55 6 39
S 10 S 11 M12	22 57 23 2 23 7 23 11	8 22 1 2 56 2 2 s 34 3	7 25 23 7 25 23 2 25 21	1 54 2 1 57 2 1 59 2	21 56 1 31 21 43 1 23	8 24 8 11 7 59	0 58 0 57 0 55	20 18 20 19 20 20 20 21	0 28 0 28	15 17 15 19 15 20	2 5 2 5 2 5	-	0 24 0 24 0 24	0 25 0 25 0 25	1 31 1 31 1 31 1 31	0 6 15 30 0 6 15 30 0 6 15 30		13 30 13 31 13 32	1 18 1 21 1 24 1 28	7 55 6 39 7 55 6 40 7 55 6 40
T 13 W14 T 15 F 16 S 17	23 14 23 18 23 21 23 23 23 25	13 12 4 2 17 58 4 3 22 5 5		2 0 2 2 0 2 1 59 2		7 33 7 21 7 8	0 53 0 52 0 50	20 22 20 23 20 24 20 25 20 27	0 29 0 29 0 29 0 29 0 29	15 24 15 26	2 5	23 13 23 13	0 24 0 24 0 24	0 25 0 25 0 25	1 31 1 31 1 31 1 31 1 31	0 6 15 3 0 6 15 3	1 13 52 1 13 54 1 13 56 1 13 58 1 14 1	13 34 13 35	1 31 1 34 1 38 1 41 1 44	7 55 6 40 7 55 6 41 7 55 6 41 7 55 6 42
M19 T 20 W21 T 22	23 29 23 29	27 39 4 26 27 3 2 23 38 2 2 19 24 1 14 3 0n	14 24 22 11 24 5 23 23 48 23 23 29 13 23 9 2 22 48 18 22 25	1 51 2 1 47 1 1 43 1 1 38 1 1 32 1	20 24 0 31 20 11 0 21 19 58 0 11 19 45 0 0 19 33 0s11 19 20 0 22 19 8 0 34	6 29 6 15 6 2 5 49 5 35	0 47 0 46 0 44 0 43 0 42	20 28 20 29 20 31 20 32 20 33 20 35 20 36	0 30 0 30 0 30 0 30 0 31	15 34 15 36	2 6 2 6 2 6	-	0 24 0 24 0 24 0 24 0 24	0 24 0 24 0 24 0 24 0 24	1 31 1 31 1 31 1 31 1 31 1 31 1 31	0 7 15 33 0 7 15 33	2 14 7 2 14 10 2 14 11 3 14 12 3 14 13	13 41 13 42 13 43	1 48 1 51 1 54 1 58 2 1 2 4 2 8	7 55 6 42 7 56 6 42 7 56 6 43 7 56 6 43 7 56 6 43 7 56 6 43 7 57 6 44
S 25 M26 T 27 W28 T 29	23 27 23 25 23 23 23 21 23 18 23n15	1 26 2 2 5n 9 3 3 11 27 4 1 17 9 4 3 21 54 5	28 22 2 30 21 38 49 21 14 52 20 48 7 20 23 5 19n57	1 19 1 1 12 1 1 4 1 0 56 1 0 47 1	18 56 0 46 18 44 0 58 18 32 1 11 18 20 1 23 18 9 1 37	5 8 4 54 4 41 4 27 4 13	0 40 0 39 0 37 0 36 0 35	20 38 20 39 20 41 20 42 20 44 20 s46	0 31 0 31 0 31 0 31 0 32	15 43 15 44 15 46 15 47	2 6 2 6 2 6 2 7 2 7	23 9 23 9	0 24 0 24 0 24 0 24 0 24	0 23 0 23 0 23 0 23 0 22	1 31 1 31 1 31 1 31 1 31 1 31 1 n30	0 7 15 3 0 7 15 3 0 7 15 3 0 7 15 3	3 14 12 3 14 12 4 14 12 4 14 13 4 14 15	13 45 13 46 13 47 13 48 13 49	2 11 2 14 2 18 2 21 2 24 2 s28	7 57 6 44 7 57 6 45 7 57 6 45 7 58 6 45 7 58 6 45 7 58 6 645

Julian Day Number = 2311808.5, Delta T = 69.00 sec Ecliptic obliquity = $23^{\circ}29'28$, Nutation = $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}24'02$, Lahiri = $18^{\circ}31'03$ Greg. Calendar

JULY 1617 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	v	v	Ç	Ŷ,	Day
S 1	18 36 30	995 2'09	14∏48	5 0 0	1°R47	21 m 50	29°R40	20828	149514	2 ₾ 33	10 8 19	21°R40	23≈ 4	29 Mp 18	21°R26	S 1
S 2	18 40 27	9°59'22	28°18	6° 8	1 Ω 33	22°23	29 궁 33	20°34	14°18	2°34	10°20	21≈33	23° 1	29°25	21≈24	S 2
M 3	18 44 23	10°56'34	119532	7°12	1°16	22°56	29°27	20°40	14°21	2°34	10°20	21°28	22°57	29°31	21°22	M 3
T 4	18 48 20	11°53'47	24°30	8°14	0°57	23°29	29°20	20°46	14°25	2°35	10°21	21°23	22°54	29°38	21°19	T 4
W 5	18 52 16	12°51'00	7 Ω 9	9°13	0°36	24° 3	29°12	20°52	14°29	2°36	10°22	21°20	22°51	29°45	21°17	W 5
T 6	18 56 13	13°48'13	19°33	10° 9	0°13	24°36	29° 5	20°58	14°32	2°36	10°23	21°D19	22°48	29°51	21°15	T 6
F 7	19 0 10	14°45'26	1 m 43	11° 1	299547	25°10	28°58	21° 3	14°36	2°37	10°23	21°20	22°45	29°58	21°13	F 7
S 8	19 4 6	15°42'40	13°41	11°50	29°20	25°44	28°51	21° 9	14°40	2°38	10°24	21°21	22°42	0 ჲ 5	21°10	S 8
S 9	19 8 3	16°39'53	25°34	12°36	28°51	26°18	28°43	21°14	14°43	2°39	10°25	21°23	22°38	0°11	21° 8	S 9
M10	19 11 59	17°37'06	7 ≏ 24	13°18	28°20	26°52	28°36	21°20	14°47	2°39	10°25	21°24	22°35	0°18	21° 6	M10
T 11	19 15 56	18°34'19	19°16	13°56	27°47	27°26	28°28	21°25	14°51	2°40	10°26	21°R25	22°32	0°25	21° 3	T 11
W12	19 19 52	19°31'33	1 M .17	14°30	27°13	28° 1	28°21	21°30	14°54	2°41	10°27	21°24	22°29	0°31	21° 1	W12
T 13	19 23 49	20°28'47	13°30	15° 1	26°38	28°35	28°13	21°36	14°58	2°42	10°27	21°22	22°26	0°38	20°58	T 13
F 14	19 27 45	21°26'01	26° 0	15°27	26° 2	29°10	28° 6	21°41	15° 2	2°43	10°28	21°19	22°22	0°45	20°56	F 14
S 15	19 31 42	22°23'16	8 ∡ 749	15°48	25°25	29°45	27°58	21°46	15° 5	2°44	10°28	21°15	22°19	0°51	20°53	S 15
S 16	19 35 39	23°20'30	22° 0	16° 5	24°48	0 <u>ჲ</u> 20	27°50	21°51	15° 9	2°45	10°29	21°10	22°16	0°58	20°50	S 16
M17	19 39 35	24°17'46	5 云 32	16°18	24°11	0°55	27°42	21°56	15°12	2°46	10°29	21° 6	22°13	1° 5	20°48	M17
T 18	19 43 32	25°15'01	19°25	16°26	23°33	1°30	27°35	22° 1	15°16	2°47	10°30	21° 3	22°10	1°11	20°45	T 18
W19	19 47 28	26°12'18	3≈34	16°R28	22°56	2° 5	27°27	22° 6	15°20	2°48	10°30	21° 1	22° 7	1°18	20°42	W19
T 20	19 51 25	27° 9'35	17°56	16°26	22°19	2°41	27°19	22°10	15°23	2°49	10°31	21°D 0	22° 3	1°25	20°39	T 20
F 21	19 55 21	28° 6'52	2 ∺ 26	16°19	21°43	3°16	27°11	22°15	15°27	2°50	10°31	21° 0	22° 0	1°31	20°37	F 21
S 22	19 59 18	29° 4'11	16°57	16° 6	21° 8	3°52	27° 4	22°20	15°30	2°52	10°31	21° 1	21°57	1°38	20°34	S 22
S 23	20 3 14	0 Ω 1'31	1 Y 25	15°49	20°34	4°27	26°56	22°24	15°34	2°53	10°32	21° 3	21°54	1°45	20°31	S 23
M24	20 7 11	0°58'51	15°47	15°27	20° 1	5° 3	26°48	22°28	15°38	2°54	10°32	21° 4	21°51	1°52	20°28	M24
T 25	20 11 8	1°56'13	29°59	15° 0	19°30	5°39	26°40	22°33	15°41	2°55	10°33	21°R 4	21°48	1°58	20°25	T 25
W26	20 15 4	2°53'36	13 8 59	14°28	19° 1	6°15	26°33	22°37	15°45	2°57	10°33	21° 4	21°44	2° 5	20°22	W26
T 27	20 19 1	3°51'00	27°46	13°53	18°33	6°51	26°25	22°41	15°48	2°58	10°33	21° 3	21°41	2°12	20°19	T 27
F 28	20 22 57	4°48'26	11 II 20	13°14	18° 8	7°28	26°17	22°45	15°52	2°59	10°33	21° 1	21°38	2°18	20°16	F 28
S 29	20 26 54	5°45'52	24°40	12°32	17°44	8° 4	26°10	22°49	15°55	3° 1	10°34	20°59	21°35	2°25	20°13	S 29
S 30	20 30 50	6°43'20	79345	11°47	17°23	8°41	2 <u>6</u> ° 2	22°53	15°59	3° 2	10°34	20°57	21°32	2°32	20°10	S 30
M31	20 34 47	7 Ω 40'49	20937	11 0 1	1795 4	9 ≏ 17	25 궁 55	22 8 57	1695 2	3 º 4	10834	20≈56	21≈28	2 ≏ 38	20≈ 7	M31

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S 1	23n11	27n19	4n44	19n30	0n28	17n48	2s 4	3n45	0n33	20 s47	0 s32	15n52	2s 7	23n 7	0n24	0n22	1n30	0n 7	15 s35	14 s 19	13 s52	2 s 3 1	7 s 5 9	6n46
S 2	23 7	27 37	4 8	19 4	0 17	17 37	2 18	3 31	0 32	20 49	0 32	15 53	2 7	23 7	0 24	0 22	1 30	0 7	15 35	14 21	13 53	2 34	7 59	6 46
M 3	23 2				0 7		2 31	3 17		20 50	0 32		2 7		-	0 21	1 30		15 35			2 38	8 0	6 46
T 4		23 34	2 21	18 10	0s 5		2 46	3 3		20 52	0 33		2 7			0 21	1 30		15 35			2 41	8 0	6 46
W 5 T 6	22 52 22 46	19 45 15 8		17 44 17 17	0 16 0 28		3 0 3 14	2 49 2 34		20 54 20 55	0 33 0 33		2 7 2 8	-		0 21 0 20	1 30 1 30		15 36 15 36			2 44 2 47	8 0 8 1	6 47 6 47
F 7	22 40			16 51	0 40		3 28	2 20		20 57	0 33			23 5	-	0 20	1 30		15 36			2 51	8 1	6 47
S 8	22 34					16 43	3 42	2 5		20 59	0 33			23 4	0 24	0 20	1 30		15 36			2 54	8 2	6 47
S 9	22 27	0s55	2 56	16 0	1 6	16 35	3 56	1 51	0 25	21 0	0 33	16 3	2 8	23 4	0 24	0 19	1 30	0 7	15 37	14 24	14 0	2 57	8 2	6 48
M10	22 20	6 23	3 45	15 36	1 19	16 27	4 10	1 36	0 24	21 2	0 34	16 4	2 8	23 4	0 24	0 19	1 30	0 7	15 37	14 24	14 1	3 1	8 3	6 48
T 11	22 12			15 12	1 33		4 24	1 22	0 23		0 34		2 8		0 24	0 19	1 30		15 37			3 4	8 4	6 48
W12	22 4			14 49	1 46		4 37	1 7	0 21		0 34		2 8		0 24	0 18	1 30		15 38			3 7	8 4	6 48
T 13 F 14		20 51 24 20		14 27 14 7	2 0 2 14		4 50 5 2	0 53 0 38	0 20 0 19		0 34 0 34		2 9 2 9	-		0 18 0 17	1 30 1 30		15 38 15 38			3 11 3 14	8 5 8 5	6 48 6 49
		26 44		13 47	2 27		5 14	0 23		21 10		16 10	2 9		0 24	0 17	1 30		15 38			3 17	8 6	6 49
S 16	21 28	27 43	4 29	13 29	2 41	15 52	5 26	0 8	0 18	21 12	0 35	16 11	2 9	23 1	0 24	0 17	1 30	0 6	15 39	14 28	14 7	3 20	8 7	6 49
M17	21 18	27 6	3 44	13 12	2 55	15 48	5 37	0s 7		21 14	0 35	16 13	2 9		0 24	0 16	1 30	0 6	15 39	14 30	14 8	3 24	8 7	6 49
T 18	21 8	24 48	2 45	12 57	3 8	15 44	5 47	0 22	0 16	21 16	0 35	16 14	2 9	23 0	0 24	0 16	1 30	0 6	15 39	14 31	14 9	3 27	8 8	6 49
W19		20 56		12 44			5 57	0 36		21 17		16 15		23 0		0 15	1 30	0 6			14 10	3 30	8 9	6 49
T 20		15 45		12 32	3 35		6 6	0 51		21 19		16 16	2 10		-	0 15	1 30		15 40			3 34	8 9	6 50
F 21 S 22	20 35 20 23			12 22 12 15	3 47	15 34 15 32	6 14 6 22	1 6 1 21		21 21 21 22		16 17 16 18	2 10	22 59 22 59	0 24 0 24	0 14 0 14			15 40 15 40			3 37 3 40	8 10 8 11	6 50 6 50
S 23										21 24		16 19										3 43	8 12	
M24	20 11 19 59	3n42 10 11	-	12 9 12 6	4 9 4 20		6 29 6 35	1 37 1 52		21 24		16 19		22 58 22 58		0 13 0 13	1 30 1 29		15 41 15 41			3 43	8 12	6 50 6 50
T 25	19 46		-	12 5	4 29		6 40	2 7		21 27	0 36			22 58		0 12	1 29		15 41			3 50	8 13	6 50
W26			5 13	12 7	4 36		6 44	2 22		21 29		16 22	2 11		0 24	0 12	1 29		15 42		-	3 53	8 14	6 50
T 27	19 20	24 47	5 13	12 11	4 43		6 48	2 37		21 30	0 36	16 22	2 11	22 57	0 24	0 11	1 29	0 5	15 42	14 31	14 18	3 57	8 15	6 50
F 28	19 6			12 17	4 48		6 51	2 52		21 32		16 23	2 11			0 11	1 29		15 42			4 0	8 16	6 50
S 29	18 52	27 46	4 23	12 25	4 51	15 28	6 54	3 7	0 5	21 33	0 36	16 24	2 11	22 56	0 24	0 10	1 29	0 4	15 42	14 32	14 20	4 3	8 17	6 51
S 30		26 52		12 35		15 29	6 56	3 23		21 35		16 25		22 56		0 9			15 43			4 6	8 17	6 51
M31	18n23	24n32	2n40	12n48	4 s 5 3	15n31	6s57	3 s38	0n 4	21 s36	0 s36	16n26	2s12	22n55	0n24	0n 9	1n29	0n 4	15 s43	14 s33	14s23	4s10	8s18	6n51

Julian Day Number = 2311838.5, Delta T = 68.92 sec Ecliptic obliquity = $23^{\circ}29'27$, Nutation = $0^{\circ}00'10$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}24'06$, Lahiri = $18^{\circ}31'07$ Greg. Calendar

AUGUST 1617 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	В	v	ಬ	Ç	Ŗ	Day
T 1	20 38 43	8 Ω 38'19	3 Ω 14	10°R14	16°R47	9 ≏ 54	25°R47	238 1	1695 6	3 ₾ 5	10834	20°R54	21≈25	2 ≏ 45	20°R 4	T 1
W 2	20 42 40	9°35'50	15°39	9Ω 27	16933	10°31	25 중 40	23° 4	16° 9	3° 6	10°35	20°D54	21°22	2°52	20≈ 1	W 2
T 3	20 46 37	10°33'22	27°52	8°41	16°21	11°8	25°33	23° 8	16°12	3° 8	10°35	20≈54	21°19	2°58	19°58	T 3
F 4	20 50 33	11°30'55	9 m 55	7°56	16°11	11°45	25°26	23°11	16°16	3° 9	10°35	20°54	21°16	3° 5	19°55	F 4
S 5	20 54 30	12°28'29	21°50	7°14	16° 4	12°22	25°18	23°14	16°19	3°11	10°35	20°55	21°13	3°12	19°52	S 5
S 6	20 58 26	13°26'04	3 ₽ 41	6°36	15°59	12°59	25°11	23°18	16°23	3°13	10°35	20°56	21° 9	3°18	19°49	S 6
M 7	21 2 23	14°23'40	15°30	6° 1	15°57	13°37	25° 4	23°21	16°26	3°14	10°35	20°57	21° 6	3°25	19°46	M 7
T 8	21 6 19	15°21'17	27°23	5°32	15°D57	14°14	24°57	23°24	16°29	3°16	10°35	20°57	21° 3	3°32	19°43	T 8
W 9	21 10 16	16°18'55	9 m 22	5° 8	15°59	14°52	24°51	23°27	16°32	3°17	10°35	20°57	21° 0	3°38	19°40	W 9
T 10	21 14 12	17°16'34	21°34	4°51	16° 3	15°30	24°44	23°30	16°36	3°19	10°R35	20°R57	20°57	3°45	19°37	T 10
F 11	21 18 9	18°14'15	4 √ 1	4°40	16°10	16° 7	24°38	23°32	16°39	3°21	10°35	20°57	20°54	3°52	19°34	F 11
S 12	21 22 6	19°11'56	16°49	4°D36	16°18	16°45	24°31	23°35	16°42	3°22	10°35	20°57	20°50	3°58	19°30	S 12
S 13	21 26 2	20° 9'38	0 る	4°39	16°29	17°23	24°25	23°38	16°45	3°24	10°35	20°57	20°47	4° 5	19°27	S 13
M14	21 29 59	21° 7'22	13°37	4°50	16°42	18° 1	24°19	23°40	16°49	3°26	10°35	20°D57	20°44	4°12	19°24	M14
T 15	21 33 55	22° 5'07	27°38	5° 9	16°57	18°39	24°13	23°43	16°52	3°28	10°35	20°57	20°41	4°18	19°21	T 15
W16	21 37 52	23° 2'53	12≈ 2	5°35	17°14	19°18	24° 7	23°45	16°55	3°29	10°35	20°57	20°38	4°25	19°18	W16
T 17	21 41 48	24° 0'40	26°44	6° 9	17°33	19°56	24° 1	23°47	16°58	3°31	10°35	20°R57	20°34	4°32	19°15	T 17
F 18	21 45 45	24°58'29	11) (37	6°50	17°54	20°35	23°55	23°49	17° 1	3°33	10°35	20°57	20°31	4°39	19°12	F 18
S 19	21 49 41	25°56'19	26°33	7°39	18°16	21°13	23°50	23°51	17° 4	3°35	10°34	20°57	20°28	4°45	19° 9	S 19
S 20	21 53 38	26°54'11	11 Y 25	8°34	18°40	21°52	23°44	23°53	17° 7	3°37	10°34	20°56	20°25	4°52	19° 6	S 20
M21	21 57 35	27°52'05	26° 6	9°37	19° 6	22°31	23°39	23°55	17°10	3°39	10°34	20°55	20°22	4°59	19° 3	M21
T 22	22 1 31	28°50'00	10830	10°46	19°33	23° 9	23°34	23°56	17°13	3°41	10°34	20°55	20°19	5° 5	19° 0	T 22
W23	22 5 28	29°47'58	24°34	12° 1	20° 2	23°48	23°29	23°58	17°16	3°42	10°34	20°D54	20°15	5°12	18°57	W23
T 24	22 9 24	0 m 45'57	8 I I16	13°22	20°33	24°27	23°24	23°59	17°19	3°44	10°33	20°54	20°12	5°19	18°53	T 24
F 25	22 13 21	1°43'59	21°39	14°49	21° 5	25° 6	23°20	24° 1	17°22	3°46	10°33	20°55	20° 9	5°25	18°50	F 25
S 26	22 17 17	2°42'02	49543	16°20	21°38	25°46	23°15	24° 2	17°25	3°48	10°33	20°56	20° 6	5°32	18°47	S 26
S 27	22 21 14	3°40'08	17°29	17°56	22°13	26°25	23°11	24° 3	17°27	3°50	10°32	20°57	20° 3	5°39	18°45	S 27
M28	22 25 10	4°38'15	0 Ω 2	19°36	22°49	27° 4	23° 7	24° 4	17°30	3°52	10°32	20°58	20° 0	5°45	18°42	M28
T 29	22 29 7	5°36'24	12°22	21°19	23°26	27°44	23° 3	24° 5	17°33	3°54	10°32	20°59	19°56	5°52	18°39	T 29
W30	22 33 4	6°34'34	24°32	23° 5	24° 4	28°24	22°59	24° 6	17°36	3°56	10°31	20°R59	19°53	5°59	18°36	W30
T 31	22 37 0	7 m 32'47	6 m 34	24 Q 53	249544	29 º 3	22 궁 56	24 8 6	17938	3 ₾ 58	10831	20≈58	19≈50	6 ♀ 5	18 ≈ 33	T 31

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T 3 F 4 S 5	17 38 17 22 17 6	-	13 35 4 4 13 53 4 3 14 12 4 2	5 15 38 6 55	4 39 0 0	21 42 0 37	16 29 2 12	22 54 0 24 22 54 0 24 22 53 0 24	0 7 1 29 0 6 1 29 0 6 1 29	0 3 15 44	14 34 14 26 14 33 14 27 14 33 14 28	4 20 4 23 4 26	8 22 6 51
S 6 M 7 T 8 W 9 T 10	15 59 15 41	10 6 4 19 15 5 4 51 19 33 5 11 23 18 5 17	15 12 3 5 15 32 3 3 15 51 3 2	4 15 47 6 48 0 15 50 6 45 6 15 53 6 42 1 15 56 6 38	5 25 0 2 5 41 0 3 5 56 0 4 6 11 0 5	21 46 0 37 21 48 0 37 21 49 0 37 21 50 0 37	16 30 2 13 16 31 2 13 16 31 2 13 16 32 2 13	22 53 0 24 22 53 0 24 22 52 0 24 22 52 0 24 22 51 0 24	0 4 1 29 0 4 1 29 0 3 1 29 0 2 1 29	0 2 15 45 0 2 15 45 0 2 15 46 0 1 15 46	14 33 14 29 14 33 14 30 14 33 14 31 14 32 14 32 14 32 14 33	4 33 4 36 4 39 4 42	8 27 6 51 8 28 6 51
F 11 S 12		27 34 4 46	16 27 2 4		6 42 0 7	21 53 0 38	16 33 2 14	22 51 0 24 22 51 0 24	0 1 1 29	0 1 15 47	14 33 14 34 14 33 14 35	4 49	8 29 6 51 8 30 6 51
S 13 M14 T 15 W16 T 17 F 18 S 19	13 52	25 59 3 13 22 44 2 6 18 1 0 49 12 8 0n32 5 30 1 52	17 20 1 3 17 29 1 2	3 16 10 6 19 5 16 13 6 14 7 16 17 6 9 0 16 20 6 3 3 16 23 5 57	7 13 0 8 7 28 0 9 7 43 0 10		16 34 2 14 16 34 2 14 16 35 2 15 16 35 2 15 16 35 2 15	22 49 0 24	0 0 1 29 0s 1 1 29 0 1 1 29 0 2 1 29 0 3 1 29 0 3 1 29 0 4 1 29	0 0 15 47 0s 0 15 48 0 1 15 48 0 1 15 48 0 1 15 48	14 33 14 36 14 33 14 37 14 33 14 38 14 33 14 40 14 33 14 41 14 33 14 42	4 55 4 59 5 2 5 5 5 8	8 31 6 51 8 32 6 51 8 33 6 51 8 34 6 50 8 35 6 50 8 36 6 50 8 37 6 50
S 20 M21 T 22 W23 T 24 F 25 S 26	11 54 11 34 11 14 10 53	14 34 4 48 19 56 5 12 24 3 5 16 26 43 5 3 27 46 4 33	17 27 0n1 17 16 0 2	5 16 32 5 39 0 16 35 5 32 4 16 37 5 26 7 16 39 5 19 9 16 41 5 12		22 3 0 38 22 3 0 38 22 4 0 38 22 5 0 38 22 6 0 38	16 36 2 16 16 36 2 16 16 36 2 16 16 37 2 16 16 37 2 16	22 48 0 24 22 47 0 24 22 47 0 24 22 47 0 24 22 46 0 24 22 46 0 24 22 46 0 24	0 6 1 29 0 7 1 29 0 7 1 29 0 8 1 29	0 2 15 49 0 3 15 50 0 3 15 50 0 3 15 50 0 4 15 50	14 33 14 43 14 33 14 44 14 33 14 45 14 33 14 46 14 33 14 47 14 33 14 48 14 33 14 49	5 18 5 21 5 25 5 28 5 31	8 38 6 50 8 39 6 50 8 40 6 50 8 41 6 50 8 42 6 50 8 43 6 49 8 44 6 49
S 27 M28 T 29 W30 T 31		22 2 1 53 17 53 0 48	16 4 1 15 39 1 1 15 11 1 2	5 16 47 4 38	10 45 0 19 11 0 0 20 11 15 0 21	22 8 0 38 22 9 0 39 22 10 0 39	16 37 2 17 16 37 2 17 16 37 2 17	22 45 0 24 22 45 0 24 22 45 0 24 22 44 0 25 22n44 0n25	0 11 1 29 0 11 1 29 0 12 1 28 0 13 1 28 0 s14 1n28	0 5 15 51 0 5 15 52 0 5 15 52	14 33 14 50 14 32 14 51 14 32 14 52 14 32 14 53 14s32 14s54	5 41 5 44 5 47	8 45 6 49 8 46 6 49 8 47 6 49 8 48 6 49 8 s49 6n48

 $\label{eq:Julian Day Number = 2311869.5, Delta T = 68.84 sec} \\ Ecliptic obliquity = 23°29'27, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°24'11, Lahiri = 18°31'11Greg. Calendar$

SEPTEMBER 1617 GC 00:00 UT

Day	Sid.t	0	J	ğ	φ	♂	4	ħ)ţ(¥	Р	n	Ω	Ç	ę k	Day
F 1	22 40 57	8 mp 31'01	18 m 29	26 Ω 43	25925	29 ≙ 43	22°R52	24 8 7	179541	4 ♀ 0	10°R30	20°R57	19≈47	6 ₽ 12	18°R30	F 1
S 2	22 44 53	9°29'17	0 ≏ 21	28°35	26° 6	0 M 23	22 궁 49	24° 7	17°43	4° 2	10830	20≈54	19°44	6°19	18 ≈ 27	S 2
S 3	22 48 50	10°27'35	12°10	0 m)28	26°49	1° 3	22°46	24° 8	17°46	4° 4	10°29	20°51	19°40	6°25	18°24	S 3
M 4	22 52 46	11°25'54	24° 0	2°22	27°33	1°43	22°43	24° 8	17°48	4° 7	10°29	20°48	19°37	6°32	18°22	M 4
T 5	22 56 43	12°24'15	5 M 53	4°16	28°17	2°23	22°40	24° 8	17°51	4° 9	10°28	20°45	19°34	6°39	18°19	T 5
W 6	23 0 39	13°22'38	17°53	6°11	29° 3	3° 3	22°38	24°R 8	17°53	4°11	10°28	20°42	19°31	6°46	18°16	W 6
T 7	23 4 36	14°21'03	0 才 2	8° 5	29°49	3°44	22°36	24° 8	17°56	4°13	10°27	20°40	19°28	6°52	18°13	T 7
F 8	23 8 33	15°19'29	12°26	10° 0	0Ω 37	4°24	22°33	24° 8	17°58	4°15	10°27	20°D39	19°25	6°59	18°11	F 8
S 9	23 12 29	16°17'56	25° 9	11°54	1°25	5° 5	22°32	24° 8	18° 0	4°17	10°26	20°39	19°21	7° 6	18° 8	S 9
S 10	23 16 26	17°16'26	8 궁 14	13°47	2°14	5°45	22°30	24° 7	18° 3	4°19	10°26	20°41	19°18	7°12	18° 6	S 10
M11	23 20 22	18°14'57	21°45	15°40	3° 3	6°26	22°28	24° 7	18° 5	4°21	10°25	20°42	19°15	7°19	18° 3	M11
T 12	23 24 19	19°13'29	5≈43	17°32	3°54	7° 7	22°27	24° 6	18° 7	4°24	10°24	20°43	19°12	7°26	18° 0	T 12
W13	23 28 15	20°12'04	20° 7	19°23	4°45	7°47	22°26	24° 5	18° 9	4°26	10°24	20°R44	19° 9	7°32	17°58	W13
T 14	23 32 12	21°10'40	4 ∺ 55	21°14	5°37	8°28	22°25	24° 5	18°11	4°28	10°23	20°43	19° 6	7°39	17°56	T 14
F 15	23 36 8	22° 9'17	20° 1	23° 3	6°29	9° 9	22°24	24° 4	18°13	4°30	10°22	20°41	19° 2	7°46	17°53	F 15
S 16	23 40 5	23° 7'57	5 Υ 15	24°52	7°22	9°50	22°24	24° 3	18°15	4°32	10°22	20°38	18°59	7°52	17°51	S 16
S 17	23 44 2	24° 6'39	20°27	26°39	8°16	10°31	22°23	24° 1	18°17	4°35	10°21	20°33	18°56	7°59	17°48	S 17
M18	23 47 58	25° 5'23	5 8 28	28°26	9°11	11°13	22°D23	24° 0	18°19	4°37	10°20	20°28	18°53	8° 6	17°46	M18
T 19	23 51 55	26° 4'09	20° 8	0 ჲ 12	10° 6	11°54	22°23	23°59	18°21	4°39	10°20	20°24	18°50	8°13	17°44	T 19
W20	23 55 51	27° 2'58	4 Ⅱ 23	1°56	11° 1	12°35	22°23	23°57	18°23	4°41	10°19	20°20	18°46	8°19	17°42	W20
T 21	23 59 48	28° 1'49	18°12	3°40	11°57	13°17	22°24	23°56	18°25	4°43	10°18	20°18	18°43	8°26	17°40	T 21
F 22	0 3 44	29° 0'42	19933	5°23	12°54	13°59	22°24	23°54	18°27	4°46	10°17	20°D18	18°40	8°33	17°38	F 22
S 23	0 741	29°59'38	14°30	7° 5	13°51	14°40	22°25	23°52	18°28	4°48	10°16	20°19	18°37	8°39	17°36	S 23
S 24	0 11 37	0 ჲ 58'36	27° 7	8°46	14°49	15°22	22°26	23°50	18°30	4°50	10°16	20°20	18°34	8°46	17°34	S 24
M25	0 15 34	1°57'36	9 Ω 27	10°27	15°47	16° 4	22°27	23°48	18°31	4°52	10°15	20°22	18°31	8°53	17°32	M25
T 26	0 19 31	2°56'38	21°35	12° 6	16°46	16°46	22°29	23°46	18°33	4°55	10°14	20°R22	18°27	8°59	17°30	T 26
W27	0 23 27	3°55'43	3 m 35	13°44	17°45	17°28	22°30	23°44	18°35	4°57	10°13	20°21	18°24	9° 6	17°28	W27
T 28	0 27 24	4°54'49	15°28	15°22	18°45	18°10	22°32	23°42	18°36	4°59	10°12	20°18	18°21	9°13	17°26	T 28
F 29	0 31 20	5°53'58	27°19	16°59	19°45	18°52	2 <u>2</u> °34	23°39	18°37	5° 1	10°11	20°13	18°18	9°19	17°24	F 29
S 30	0 35 17	6 ₽ 53'09	9 ₾ 9	18 ≏ 35	20 Ω 45	19 M 34	22 る 36	23837	18939	5 ≙ 4	10810	20≈ 5	18 ≈ 15	9 ჲ 26	17 ≈ 23	S 30

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F 1	8n24	-	26 14n		16n47	4 s24			22 s11	0 s39			22n44		0s15	1n28				14 s55	5 s 5 4	8 s 5 0	6n48
S 2	8 2	3 s12 3	20 13 33	1 40	16 46	4 17	11 59	0 23	22 11	0 39	16 37	2 18	22 43	0 25	0 15	1 28	0 7	15 53	14 34	14 56	5 57	8 51	6 48
S 3	7 40	8 36 4	6 12 5			4 10			22 12		16 37		22 43		0 16	1 28		15 53			6 0	8 52	6 48
M 4 T 5		13 41 4 18 17 5				-	12 28		22 13	0 39		2 18 2 19	-		0 17 0 18	1 28 1 28				14 58 14 59	6 3	8 53 8 54	6 47 6 47
W 6	6 33		4 11 3 14 10 5			3 55 3 48			22 13 22 13	0 39		2 19			0 18	1 28		15 54			6 6 6 10	8 56	6 47
T 7		25 15 5				3 41			22 14		16 36		22 42	0 25	0 20	1 28		15 54			6 13	8 57	6 47
F 8	5 48	27 10 4	52 9 30	1 48	16 35	3 34	13 26	0 27	22 14	0 39	16 36	2 19	22 41	0 25	0 21	1 28	0 9	15 54	14 38	15 2	6 16	8 58	6 47
S 9	5 25	27 43 4	19 8 4:	5 1 46	16 31	3 27	13 40	0 28	22 15	0 39	16 35	2 19	22 41	0 25	0 21	1 28	0 9	15 55	14 38	15 3	6 19	8 59	6 46
S 10	5 2	26 46 3	32 8 0	1 45	16 27	3 20	13 55	0 28	22 15	0 39	16 35	2 20	22 41	0 25	0 22	1 28	0 10	15 55	14 38	15 4	6 22	9 0	6 46
M11		24 14 2				3 13			22 15	0 39			22 41	0 25	0 23	1 28		15 55			6 26	9 1	6 46
T 12 W13	-	20 12 1 14 52 0	22 6 23 5 4				14 23 14 37		22 15 22 15		16 35 16 34		22 40 22 40		0 24 0 25	1 28 1 28		15 55 15 55			6 29 6 32	9 2 9 3	6 45 6 45
T 14	3 30	8 32 In	-				14 51		22 13	0 39			22 40		0 23	1 28	-	15 56			6 35	9 4	6 45
F 15	3 7	1 37 2				2 45			22 16	0 39		2 21			0 27	1 28		15 56			6 38	9 5	6 45
S 16	2 44	5n27 3	39 3 19	1 23	15 55	2 38	15 18	0 32	22 16	0 39	16 33	2 21	22 39	0 25	0 27	1 28	0 12	15 56	14 39	15 10	6 42	9 6	6 44
S 17	2 21	12 10 4	30 2 32	2 1 19	15 48	2 31	15 32	0 33	22 16	0 39	16 33	2 21	22 39	0 25	0 28	1 28	0 13	15 56	14 40	15 11	6 45	9 7	6 44
M18		18 5 5	1 1 4:			2 25			22 16	0 39		2 21		0 25	0 29	1 28				15 12	6 48	9 8	6 44
T 19 W20	1 34	-	11 0 5			-	15 59		22 16	0 39		2 21	22 39	0 25	0 30	1 28	-			15 13	6 51	9 9	6 43
T 21	1 11 0 47	26 1 5 27 32 4	2 0 1 35 0 s 30		15 24	2 11 2 5	16 12		22 16 22 16		16 31 16 30	2 21	22 38 22 38		0 31 0 32	1 28 1 28	-			15 14 15 15	6 54 6 58	9 10 9 11	6 43 6 43
F 22	0 24		54 1 22			1 58			22 16		16 30		22 38		0 33	1 28	-			15 16	7 1	9 11	6 42
S 23	0 0	25 43 3	3 2 9	0 44	14 55	1 51	16 51	0 36	22 16	0 39	16 29	2 22	22 38	0 25	0 34	1 28	0 15	15 58	14 45	15 17	7 4	9 12	6 42
S 24	0 s23	22 47 2	3 2 5	0 38	14 45	1 45	17 4	0 37	22 15	0 39	16 29	2 22	22 38	0 25	0 34	1 28	0 16	15 58	14 44	15 18	7 7	9 13	6 42
M25	0 47	18 52 0	59 3 40	0 31	14 34	1 39	17 17	0 38	22 15	0 39	16 28	2 22		0 25	0 35	1 28	0 16	15 58	14 44	15 19	7 10	9 14	6 41
T 26	1 10	14 14 0s			_	-	17 30		22 15	0 39			22 37	0 25	0 36	1 28				15 20	7 13	9 15	6 41
W27 T 28	1 34 1 57	9 7 1 3 43 2					17 42 17 54		22 15 22 14	0 39			22 37 22 37	0 25 0 25	0 37 0 38	1 28 1 28		15 58 15 50		15 21 15 22	7 17 7 20	9 16 9 17	6 40 6 40
F 29	2 21	1 s47 3	6 6 3		13 39	-	17 34		22 14	0 39			22 37	0 25	0 38	1 28		15 59			7 23	9 17	6 40
S 30	2 s44	7s11 3s			13n32	1 s 8			22 s14				22n37	0n25	0 s40	1n28				15 s24	7 s 2 6	9s19	6n39

 $\label{eq:Julian Day Number = 2311900.5, Delta T = 68.76 sec} \\ Ecliptic obliquity = 23°29'28, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°24'15, Lahiri = 18°31'15Greg. Calendar$

OCTOBER 1617 GC 00:00 UT

00.0	DEN TO	T/ UC													00.0	0 0.
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ţ(,	В	S.	ß	Ç	ķ	Day
S 1	0 39 13	7 ≏ 52'22	20 Ω 59	20₽10	21 Ω 46	20 M .16	22 궁 39	23°R34	189640	5 ₽ 6	10°R 9	19°R57	18≈11	9 ॒ 33	17°R21	S 1
M 2	0 43 10	8°51'37	2M52	21°45	22°47	20°59	22°41	23 8 32	18°41	5°8	108 8	19≈47	18° 8	9°39	17≈20	M 2
T 3	0 47 6	9°50'54	14°50	23°18	23°49	21°41	22°44	23°29	18°42	5°10	10° 7	19°37	18° 5	9°46	17°18	T 3
W 4	0 51 3	10°50'13	26°53	24°51	24°50	22°24	22°47	23°26	18°44	5°12	10° 7	19°29	18° 2	9°53	17°17	W 4
T 5	0 54 59	11°49'34	9 √ 5	26°24	25°53	23° 6	22°50	23°23	18°45	5°15	10° 6	19°22	17°59	10° 0	17°15	T 5
F 6	0 58 56	12°48'57	21°29	27°55	26°55	23°49	22°53	23°20	18°46	5°17	10° 5	19°17	17°56	10° 6	17°14	F 6
S 7	1 2 53	13°48'21	4중 9	29°26	27°58	24°32	22°57	23°17	18°47	5°19	10° 4	19°15	17°52	10°13	17°13	S 7
S 8	1 6 49	14°47'48	17° 7	0 M .56	29° 2	25°15	23° 1	23°14	18°48	5°21	10° 3	19°D14	17°49	10°20	17°11	S 8
M 9	1 10 46	15°47'16	0≈28	2°25	0 Mp 5	25°58	23° 4	23°10	18°49	5°24	10° 2	19°15	17°46	10°26	17°10	M 9
T 10	1 14 42	16°46'46	14°15	3°54	1° 9	26°41	23° 8	23° 7	18°49	5°26	10° 1	19°R16	17°43	10°33	17° 9	T 10
W11	1 18 39	17°46'17	28°28	5°22	2°13	27°24	23°13	23° 4	18°50	5°28	10° 0	19°16	17°40	10°40	17° 8	W11
T 12	1 22 35	18°45'51	13 米 8	6°49	3°18	28° 7	23°17	23° 0	18°51	5°30	9°59	19°13	17°37	10°46	17° 7	T 12
F 13	1 26 32	19°45'26	28° 9	8°15	4°23	28°50	23°22	22°56	18°52	5°32	9°58	19° 9	17°33	10°53	17° 6	F 13
S 14	1 30 28	20°45'03	13 ℃ 24	9°40	5°28	29°33	23°26	22°53	18°52	5°35	9°56	19° 2	17°30	11° 0	17° 5	S 14
S 15	1 34 25	21°44'42	28°43	11° 5	6°33	0 ∡ 17	23°31	22°49	18°53	5°37	9°55	18°53	17°27	11° 7	17° 5	S 15
M16	1 38 22	22°44'23	13 8 54	12°29	7°39	1° 0	23°37	22°45	18°53	5°39	9°54	18°43	17°24	11°13	17° 4	M16
T 17	1 42 18	23°44'06	28°47	13°52	8°45	1°43	23°42	22°41	18°54	5°41	9°53	18°33	17°21	11°20	17° 3	T 17
W18	1 46 15	24°43'52	13 II 14	15°14	9°51	2°27	23°47	22°37	18°54	5°43	9°52	18°26	17°17	11°27	17° 3	W18
T 19	1 50 11	25°43'40	27°12	16°35	10°57	3°11	23°53	22°33	18°55	5°45	9°51	18°20	17°14	11°33	17° 2	T 19
F 20	1 54 8	26°43'30	109540	17°56	12° 4	3°54	23°59	22°29	18°55	5°47	9°50	18°17	17°11	11°40	17° 1	F 20
S 21	1 58 4	27°43'22	23°40	19°15	13°11	4°38	24° 5	22°25	18°55	5°50	9°49	18°D15	17° 8	11°47	17° 1	S 21
S 22	2 2 1	28°43'16	6 Ω 15	20°32	14°18	5°22	24°11	22°21	18°55	5°52	9°48	18°16	17° 5	11°53	17° 1	S 22
M23	2 5 57	29°43'13	18°32	21°49	15°26	6° 6	24°17	22°16	18°55	5°54	9°47	18°R16	17° 2	12° 0	17° 0	M23
T 24	2 9 54	0 M .43'12	0 m /35	23° 4	16°33	6°50	24°24	22°12	18°55	5°56	9°46	18°15	16°58	12° 7	17° 0	T 24
W25	2 13 51	1°43'13	12°30	24°18	17°41	7°34	24°30	22° 8	18°R55	5°58	9°45	18°12	16°55	12°13	17° 0	W25
T 26	2 17 47	2°43'16	24°19	25°30	18°49	8°18	24°37	22° 3	18°55	6° 0	9°43	18° 7	16°52	12°20	17° 0	T 26
F 27	2 21 44	3°43'21	6 ප 8	26°40	19°57	9° 2	24°44	21°59	18°55	6° 2	9°42	17°59	16°49	12°27	17°D 0	F 27
S 28	2 25 40	4°43'28	17°58	27°48	21° 5	9°47	24°51	21°54	18°55	6° 4	9°41	17°48	16°46	12°34	17° 0	S 28
S 29	2 29 37	5°43'37	29°53	28°53	22°14	10°31	24°58	21°50	18°55	6° 6	9°40	17°35	16°42	12°40	17° 0	S 29
M30	2 33 33	6°43'48	11 M .53	29°56	23°23	11°15	2 <u>5</u> ° 6	21°45	18°55	6° 8	9°39	17°20	16°39	12°47	17° 0	M30
T 31	2 37 30	7 M .44'01	23 M 59	0 ∡ 756	24 Mp 32	12 × 0	25 る 13	21840	189554	6 ₽ 10	9 8 38	17≈ 6	16≈36	12 ≏ 54	17≈ 0	T 31

Day	0	D	ğ	·	♂	4	ħ)Å(卉	Р	v v	Ç	ķ
	decl	decl lat	decl lat	decl lat	lecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
S 1 M 2	3 s 8 3 31	12 s21 4 s29 17 5 4 53		0 13n19 1s 2 18 7 13 4 0 56 18		22 s13 0 s39 22 13 0 39		22n36 0n25 22 36 0 25	0s41 1n28 0 42 1 28		14 s52 15 s2 14 55 15 2		9 s 20 6 n 3 9 9 20 6 3 9
T 3 W 4	3 55 4 18		9 27 0 24				16 22 2 24 16 21 2 24	22 36 0 25 22 36 0 26	0 42 1 28 0 43 1 28	0 20 15 59 0 20 15 59	14 58 15 2 15 1 15 2		9 21 6 38 9 22 6 38
T 5 F 6		26 37 4 48 27 32 4 20	10 48 0 38 11 28 0 48				16 20 2 24 16 19 2 24	22 36 0 26 22 36 0 26	0 44 1 28 0 45 1 28		15 3 15 2 15 4 15 3		9 23 6 37 9 24 6 37
S 7	5 28	27 3 3 38	12 7 0 52	2 11 47 0 27 19	40 0 44	22 10 0 39	16 18 2 24	22 36 0 26	0 46 1 28	0 21 16 0	15 5 15 3	7 48	9 24 6 37
S 8 M 9	5 51 6 14	21 42 1 39	13 22 1	9 11 30 0 22 19 6 11 13 0 16 20	1 0 46	22 9 0 39	16 17 2 24	22 36 0 26 22 35 0 26	0 48 1 28	0 22 16 0	15 5 15 3 15 5 15 3	2 7 54	9 25 6 36 9 26 6 36
T 10 W11 T 12	6 36 6 59 7 22	11 16 0n49	14 35 1 19		23 0 47	22 7 0 39	16 15 2 25	22 35 0 26 22 35 0 26 22 35 0 26	0 48 1 28 0 49 1 28 0 50 1 29	0 23 16 0	15 5 15 3 15 5 15 3 15 5 15 3	4 8 1	9 27 6 35 9 27 6 35 9 28 6 34
F 13 S 14	7 45 8 7	2n12 3 12	15 10 1 20 15 45 1 33 16 18 1 39	3 9 59 On 4 20		22 6 0 39	16 13 2 25	22 35 0 26 22 35 0 26 22 35 0 26	0 50 1 29 0 51 1 29 0 52 1 29	0 24 16 1	15	6 8 7	9 29 6 34
S 15	8 30	15 28 4 45	16 51 1 4:	5 9 20 0 14 21	3 0 49	22 4 0 39	16 11 2 25	22 35 0 26	0 53 1 29	0 24 16 1	15 12 15 3	8 8 13	9 30 6 33
M16 T 17	9 14	24 47 4 58		7 8 40 0 23 21	12 0 49 22 0 49	22 2 0 39	16 9 2 25	22 35 0 26	0 54 1 29 0 54 1 29	0 25 16 1	15 15 15 3 15 18 15 4	0 8 19	9 31 6 32
W18 T 19 F 20	9 58		18 53 2	3 8 19 0 28 21 8 7 58 0 32 21 3 7 37 0 37 21	40 0 50		16 6 2 25	22 35 0 26 22 35 0 26 22 35 0 26	0 55 1 29 0 56 1 29 0 57 1 29	0 26 16 1 0 26 16 1 0 26 16 1	15 20 15 4 15 22 15 4 15 23 15 4	2 8 26	9 32 6 32 9 32 6 31 9 33 6 31
S 21	10 41	23 30 2 7	19 47 2 1	8 7 15 0 41 21	57 0 51	21 58 0 39	16 4 2 26	22 35 0 26			15 23 15 4		9 34 6 30
S 22 M23	_	19 46 1 3 15 17 0s 1		7 6 30 0 49 22	14 0 52	21 57 0 39 21 56 0 38	16 2 2 26		0 59 1 29	0 27 16 1	15 23 15 4 15 23 15 4	8 38	
T 24 W25	12 6		21 24 2 3	5 5 45 0 57 22	30 0 53		15 59 2 26	22 35 0 26 22 35 0 26	1 1 1 29		15 23 15 4 15 24 15 4	8 44	9 35 6 29 9 36 6 29
T 26 F 27 S 28	12 27 12 47 13 7	0s28 2 59 5 53 3 45 11 5 4 21		1 4 58 1 4 22	45 0 54	21 51 0 38	15 57 2 26	22 35 0 26 22 35 0 26 22 35 0 26	1 2 1 29	0 29 16 1	15 26 15 4 15 28 15 5 15 32 15 5	0 8 50	9 36 6 28 9 36 6 28 9 37 6 27
S 29 M30		15 54 4 46	22 39 2 40 22 54 2 4	6 4 10 1 11 22	59 0 55	21 49 0 38	15 55 2 26	22 35 0 26 22 35 0 26	1 4 1 29	0 29 16 1	15 36 15 5 15 40 15 5	2 8 57	
T 31	14 s 7	23 s36 4 s58	23 s 8 2 s 4	8 3n22 1n17 23	s12 0s56	21 s46 0 s38	15n52 2s26	22n35 0n26	1s 6 1n29	0s30 16s 1	15 s45 15 s5	4 9s 3	9 s 38 6 n 2 6

 $\label{eq:Julian Day Number = 2311930.5, Delta T = 68.68 sec} \\ Ecliptic obliquity = 23°29'28, Nutation = 0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°24'19, Lahiri = 18°31'19Greg. Calendar$

NOVEMBER 1617 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	R	v	Ç	Ŷ,	Day
W 1	2 41 26	8 M 44'15	6 ₹ 12	1 ₹ 53	25 m/41	12 √ 44	25 පි 21	21°R36	18°R54	6 ₽ 12	9°R37	16°R53	16≈33	13 <u>₽</u> 0	17≈ 1	W 1
T 2	2 45 23	9°44'32	18°34	2°47	26°50	13°29	25°29	21831	18954	6°14	9 8 36	16≈42	16°30	13° 7	17° 1	T 2
F 3	2 49 20	10°44'50	1중 6	3°36	28° 0	14°13	25°37	21°26	18°53	6°16	9°34	16°34	16°27	13°14	17° 1	F 3
S 4	2 53 16	11°45'09	13°50	4°21	29° 9	14°58	25°45	21°21	18°53	6°18	9°33	16°29	16°23	13°20	17° 2	S 4
S 5	2 57 13	12°45'30	26°49	5° 0	0 ჲ 19	15°43	25°53	21°17	18°52	6°20	9°32	16°26	16°20	13°27	17° 3	S 5
M 6	3 1 9	13°45'52	10≈ 6	5°34	1°29	16°28	26° 1	21°12	18°52	6°21	9°31	16°26	16°17	13°34	17° 3	M 6
T 7	3 5 6	14°46'16	23°42	6° 2	2°39	17°13	26°10	21° 7	18°51	6°23	9°30	16°26	16°14	13°41	17° 4	T 7
W 8	3 9 2	15°46'41	7) €42	6°22	3°49	17°58	26°19	21° 2	18°50	6°25	9°29	16°25	16°11	13°47	17° 5	W 8
T 9	3 12 59	16°47'07	22° 4	6°35	4°59	18°43	26°28	20°57	18°49	6°27	9°28	16°22	16° 8	13°54	17° 5	T 9
F 10	3 16 55	17°47'35	6 Ƴ 47	6°R39	6°10	19°28	26°36	20°52	18°48	6°29	9°27	16°16	16° 4	14° 1	17° 6	F 10
S 11	3 20 52	18°48'04	21°46	6°34	7°21	20°13	26°46	20°47	18°48	6°31	9°25	16° 8	16° 1	14° 7	17° 7	S 11
S 12	3 24 49	19°48'34	6 8 52	6°19	8°31	20°58	26°55	20°42	18°47	6°32	9°24	15°57	15°58	14°14	17° 8	S 12
M13	3 28 45	20°49'07	21°56	5°54	9°42	21°43	27° 4	20°37	18°46	6°34	9°23	15°46	15°55	14°21	17° 9	M13
T 14	3 32 42	21°49'40	6∐48	5°19	10°53	22°29	27°14	20°33	18°45	6°36	9°22	15°34	15°52	14°28	17°10	T 14
W15	3 36 38	22°50'15	21°18	4°33	12° 4	23°14	27°23	20°28	18°44	6°37	9°21	15°24	15°48	14°34	17°12	W15
T 16	3 40 35	23°50'52	5921	3°37	13°16	23°59	27°33	20°23	18°42	6°39	9°20	15°16	15°45	14°41	17°13	T 16
F 17	3 44 31	24°51'31	18°55	2°32	14°27	24°45	27°43	20°18	18°41	6°41	9°19	15°11	15°42	14°48	17°14	F 17
S 18	3 48 28	25°52'11	2 Ω 1	1°19	15°38	25°30	27°53	20°13	18°40	6°42	9°18	15° 9	15°39	14°54	17°16	S 18
S 19	3 52 24	26°52'53	14°42	0° 0	16°50	26°16	28° 3	20° 8	18°39	6°44	9°17	15°D 9	15°36	15° 1	17°17	S 19
M20	3 56 21	27°53'36	27° 1	28M39	18° 2	27° 1	28°13	20° 3	18°37	6°46	9°16	15°R 9	15°33	15° 8	17°18	M20
T 21	4 0 18	28°54'21	9 m 5	27°17	19°14	27°47	28°23	19°58	18°36	6°47	9°15	15° 8	15°29	15°14	17°20	T 21
W22	4 4 14	29°55'08	21° 0	25°57	20°26	28°33	28°34	19°54	18°35	6°49	9°14	15° 6	15°26	15°21	17°22	W22
T 23	4 8 1 1	0 ₹ 55'56	2 ≏ 49	24°42	21°38	29°19	28°44	19°49	18°33	6°50	9°13	15° 2	15°23	15°28	17°23	T 23
F 24	4 12 7	1°56'45	14°39	23°34	22°50	0중 5	28°55	19°44	18°32	6°52	9°11	14°55	15°20	15°35	17°25	F 24
S 25	4 16 4	2°57'36	26°31	22°35	24° 2	0°50	29° 6	19°39	18°30	6°53	9°10	14°45	15°17	15°41	17°27	S 25
S 26	4 20 0	3°58'29	8 M J31	21°47	25°14	1°36	29°16	19°35	18°28	6°54	9° 9	14°33	15°14	15°48	17°29	S 26
M27	4 23 57	4°59'22	20°39	21°10	26°27	2°22	29°27	19°30	18°27	6°56	9° 8	14°19	15°10	15°55	17°31	M27
T 28	4 27 53	6° 0'17	2 ,7 57	20°44	27°39	3° 8	29°38	19°25	18°25	6°57	9° 7	14° 6	15° 7	16° 1	17°33	T 28
W29	4 31 50	7° 1'13	15°25	20°30	28°52	3°54	29°50	19°21	18°23	6°58	9° 6	13°54	15° 4	16° 8	17°35	W29
T 30	4 35 47	8 % 2'10	28 × 4	20°D27	OM 4	4 궁 41	0≈ 1	19816	189522	7요 0	9 8 5	13≈43	15≈ 1	16 ♀ 15	17≈37	T 30

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T 2	14 46	27 14	4 15	23 30	2 48	2 32	1 23	23 24	0 56	21 43	0 38	15 50	2 26	22 36	0 26	1 7	1 29	0 31	16 1	15 52	15 56	9 9	9 39	6 25
F 3	15 5	27 4	3 35	23 38	2 46	2 7	1 26	23 30	0 57	21 42	0 38	15 49	2 26	22 36	0 26	1 8	1 29	0 31	16 1	15 54	15 57	9 12	9 39	6 25
S 4	15 24	25 28	2 43	23 45	2 44	1 42	1 29	23 35	0 57	21 40	0 38	15 47	2 26	22 36	0 26	1 8	1 29	0 31	16 1	15 56	15 57	9 15	9 39	6 24
S 5	15 42	22 30	1 42	23 49	2 41	1 17	1 32	23 41	0 58	21 39	0 38	15 46	2 26	22 36	0 27	1 9	1 29	0 32	16 1	15 57	15 58	9 18	9 40	6 24
M 6	16 0	18 17	0 33	23 51	2 37	0 51	1 34	23 46	0 58	21 37	0 38	15 45	2 26	22 36	0 27	1 10	1 29	0 32	16 1	15 57	15 59	9 21	9 40	6 23
T 7	16 18	13 3	0n38	23 51	2 31	0 25	1 37	23 50	0 58	21 35	0 38	15 44	2 26	22 36	0 27	1 11	1 29	0 32	16 1	15 57	16 0	9 24	9 40	6 23
W 8	16 36	7 0	1 50	23 48	2 25	0s 0	1 39	23 55	0 59	21 34	0 38	15 42	2 26	22 36	0 27	1 11	1 29	0 33	16 1	15 57	16 1	9 27	9 40	6 22
T 9	16 53	0 27	2 56	23 42	2 17	0 26	1 41	23 59	0 59	21 32	0 38	15 41	2 26	22 36	0 27	1 12	1 29	0 33	16 1	15 58	16 2	9 30	9 41	6 22
F 10	17 10	6n15	3 52	23 34	2 7	0 52	1 43	24 3	0 59	21 30	0 38	15 40	2 26	22 36	0 27	1 13	1 29	0 33	16 1	16 0	16 3	9 33	9 41	6 21
S 11	17 27	12 43	4 34	23 22	1 57	1 18	1 45	24 7	1 0	21 29	0 38	15 39	2 26	22 37	0 27	1 13	1 29	0 33	16 1	16 2	16 4	9 36	9 41	6 21
S 12	17 44	18 30	4 56	23 7	1 44	1 45	1 47	24 11	1 0	21 27	0 38	15 37	2 26	22 37	0 27	1 14	1 29	0 34	16 1	16 5	16 5	9 39	9 41	6 20
M13	18 0	23 5	4 58	22 49	1 30	2 11	1 49	24 14	1 0	21 25	0 38	15 36	2 26	22 37	0 27	1 15	1 29	0 34	16 1	16 9	16 6	9 43	9 41	6 20
T 14	18 16	26 5	4 40	22 27	1 15	2 37	1 51	24 17	1 1	21 23	0 38	15 35	2 26	22 37	0 27	1 15	1 29	0 34	16 1	16 12	16 7	9 46	9 41	6 20
W15	18 31	27 16	4 4	22 2	0 58	3 3	1 52	24 20	1 1	21 21	0 38	15 34	2 26	22 37	0 27	1 16	1 30	0 34	16 0	16 15	16 8	9 49	9 41	6 19
T 16	18 46	26 36	3 14	21 34	0 39	3 30	1 54	24 22	1 1	21 19	0 38	15 33	2 25	22 37	0 27	1 17	1 30	0 35	16 0	16 17	16 9	9 52	9 41	6 19
F 17	19 1	24 22	2 14	21 2	0 20	3 56	1 55	24 25	1 1	21 17	0 38	15 31	2 25	22 38	0 27	1 17	1 30	0 35	16 0	16 19	16 10	9 55	9 41	6 18
S 18	19 16	20 52	1 9	20 28	0n 0	4 23	1 56	24 27	1 2	21 15	0 38	15 30	2 25	22 38	0 27	1 18	1 30	0 35	16 0	16 20	16 11	9 58	9 41	6 18
S 19	19 30	16 30	0 2	19 51	0 21	4 49	1 58	24 28	1 2	21 13	0 38	15 29	2 25	22 38	0 27	1 18	1 30	0 35	16 0	16 20	16 12	10 1	9 41	6 17
M20	19 44	11 33	1 s 3	19 14	0 41	5 15	1 59	24 30	1 2	21 11	0 38	15 28	2 25	22 38	0 27	1 19	1 30	0 35	16 0	16 20	16 13	10 4	9 41	6 17
T 21	19 57	6 16	2 3	18 36	1 1	5 42	2 0	24 31	1 3	21 9	0 38	15 27	2 25	22 39	0 27	1 19	1 30	0 36	16 0	16 20	16 14	10 7	9 41	6 17
W22	20 11	0 51	2 58	17 59	1 20	6 8	2 0	24 32	1 3	21 7	0 38	15 25	2 25	22 39	0 27	1 20	1 30	0 36	16 0	16 20	16 15	10 10	9 41	6 16
T 23	20 23	4 s33	3 44	17 25	1 37	6 34	2 1	24 32	1 3	21 5	0 38	15 24	2 25	22 39	0 27	1 21	1 30	0 36	15 59	16 22	16 15	10 13	9 41	6 16
F 24	20 36	9 47	4 21	16 53	1 53	7 1	2 2	24 33	1 3	21 3	0 38	15 23	2 25	22 39	0 27	1 21	1 30	0 36	15 59	16 24	16 16	10 16	9 41	6 15
S 25	20 48	14 42	4 46	16 26	2 6	7 27	2 2	24 33	1 4	21 0	0 38	15 22	2 25	22 39	0 27	1 22	1 30	0 36	15 59	16 27	16 17	10 19	9 41	6 15
S 26	20 59	19 6	5 0	16 3	2 17	7 53	2 3	24 33	1 4	20 58	0 38	15 21	2 24	22 40	0 27	1 22	1 30	0 36	15 59	16 30	16 18	10 22	9 41	6 14
M27	21 11	22 45	4 59	15 45	2 26	8 19	2 3	24 32	1 4	20 56	0 38	15 20	2 24	22 40	0 27	1 23	1 30	0 37	15 59	16 34	16 19	10 25	9 41	6 14
T 28	21 21	25 27	4 45	15 31	2 33	8 44	2 3	24 31	1 4	20 54	0 38	15 19	2 24	22 40	0 27	1 23	1 30	0 37	15 59	16 38	16 20	10 28	9 40	6 14
W29	21 32	26 57	4 18	15 23	2 37	9 10	2 4	24 30	1 4	20 51	0 38	15 18	2 24	22 40	0 27	1 24	1 30	0 37	15 59	16 42	16 21	10 31	9 40	6 13
T 30	21 s42	27 s 5	3 s37	15 s 19	2n40	9s36	2n 4	24 s29	1 s 5	20 s49	0 s38	15n16	2 s24	22n41	0n27	1 s24	1n30	0s37	15 s58	16 s44	16 s22	10 s34	9 s40	6n13

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	n	v	Ç	ę,	Day
F 1	4 39 43	9 ₹ 3'08	10 궁 53	20 M 34	1 M .17	5 云 27	0≈12	19°R12	18°R20	7 요 1	9°R 5	13°R36	14≈58	16 ₽ 21	17≈39	F 1
S 2	4 43 40	10° 4'07	23°53	20°50	2°30	6°13	0°24	19 8 7	18918	7° 2	9 8 4	13≈32	14°54	16°28	17°41	S 2
S 3	4 47 36	11° 5'07	7≈ 4	21°16	3°43	6°59	0°35	19° 3	18°16	7° 3	9° 3	13°30	14°51	16°35	17°43	S 3
M 4	4 51 33	12° 6'07	20°28	21°49	4°56	7°46	0°47	18°59	18°14	7° 5	9° 2	13°D30	14°48	16°42	17°46	M 4
T 5	4 55 29	13° 7'08	4) € 5	22°29	6° 9	8°32	0°59	18°54	18°12	7° 6	9° 1	13°31	14°45	16°48	17°48	T 5
W 6	4 59 26	14° 8'09	17°58	23°15	7°22	9°18	1°10	18°50	18°10	7° 7	9° 0	13°R31	14°42	16°55	17°50	W 6
T 7	5 3 22	15° 9'10	2 Υ 6	24° 7	8°35	10° 5	1°22	18°46	18° 8	7° 8	8°59	13°29	14°39	17° 2	17°53	T 7
F 8	5 7 19	16°10'13	16°29	25° 4	9°48	10°51	1°34	18°42	18° 6	7° 9	8°58	13°26	14°35	17° 8	17°55	F 8
S 9	5 11 16	17°11'15	1 8 3	26° 5	11° 1	11°38	1°46	18°38	18° 4	7°10	8°57	13°20	14°32	17°15	17°58	S 9
S 10	5 15 12	18°12'19	15°43	27°10	12°14	12°24	1°59	18°34	18° 2	7°11	8°56	13°12	14°29	17°22	18° 1	S 10
M11	5 19 9	19°13'23	0Ⅲ23	28°18	13°28	13°11	2°11	18°30	18° 0	7°12	8°56	13° 3	14°26	17°29	18° 3	M11
T 12	5 23 5	20°14'27	14°55	29°28	14°41	13°58	2°23	18°26	17°57	7°13	8°55	12°54	14°23	17°35	18° 6	T 12
W13	5 27 2	21°15'32	29°12	0 ∡ 742	15°55	14°44	2°35	18°23	17°55	7°14	8°54	12°46	14°20	17°42	18° 9	W13
T 14	5 30 58	22°16'38	1395 8	1°57	17° 8	15°31	2°48	18°19	17°53	7°15	8°53	12°40	14°16	17°49	18°12	T 14
F 15	5 34 55	23°17'44	26°41	3°14	18°22	16°18	3° 0	18°15	17°51	7°16	8°52	12°37	14°13	17°55	18°15	F 15
S 16	5 38 52	24°18'51	9 Ω 48	4°33	19°35	17° 4	3°13	18°12	17°48	7°17	8°52	12°D36	14°10	18° 2	18°17	S 16
S 17	5 42 48	25°19'58	22°32	5°53	20°49	17°51	3°26	18° 9	17°46	7°17	8°51	12°36	14° 7	18° 9	18°20	S 17
M18	5 46 45	26°21'06	4 Mp 56	7°15	22° 3	18°38	3°38	18° 5	17°44	7°18	8°50	12°37	14° 4	18°16	18°23	M18
T 19	5 50 41	27°22'15	17° 4	8°38	23°16	19°25	3°51	18° 2	17°41	7°19	8°50	12°39	14° 0	18°22	18°26	T 19
W20	5 54 38	28°23'24	29° 1	10° 2	24°30	20°12	4° 4	17°59	17°39	7°19	8°49	12°R39	13°57	18°29	18°30	W20
T 21	5 58 34	2 <u>9</u> °24'34	10 ♀ 52	11°26	25°44	20°59	4°17	17°56	17°36	7°20	8°48	12°38	13°54	18°36	18°33	T 21
F 22	6 2 31	0る25'44	22°43	12°52	26°58	21°46	4°30	17°53	17°34	7°21	8°48	12°36	13°51	18°42	18°36	F 22
S 23	6 6 27	1°26'55	4 M .38	14°18	28°12	22°33	4°43	17°50	17°32	7°21	8°47	12°31	13°48	18°49	18°39	S 23
S 24	6 10 24	2°28'07	16°41	15°45	29°26	23°20	4°56	17°47	17°29	7°22	8°46	12°25	13°45	18°56	18°42	S 24
M25	6 14 21	3°29'18	28°56	17°13	0 ₮ 40	24° 7	5°10	17°45	17°27	7°22	8°46	12°18	13°41	19° 3	18°46	M25
T 26	6 18 17	4°30'30	11 × 724	18°41	1°54	24°54	5°23	17°42	17°24	7°23	8°45	12°10	13°38	19° 9	18°49	T 26
W27	6 22 14	5°31'43	24° 6	20° 9	3° 8	25°41	5°36	17°40	17°22	7°23	8°45	12° 4	13°35	19°16	18°52	W27
T 28	6 26 10	6°32'55	7 궁 3	21°39	4°22	26°28	5°49	17°37	17°19	7°24	8°44	11°58	13°32	19°23	18°56	T 28
F 29	6 30 7	7°34'07	20°15	23° 8	5°36	27°15	6° 3	17°35	17°16	7°24	8°43	11°54	13°29	19°29	18°59	F 29
S 30	6 34 3	8°35'19	3≈38	24°38	6°50	28° 2	6°16	17°33	17°14	7°24	8°43	11°52	13°26	19°36	19° 3	S 30
S 31	6 38 0	9 ප 36'31	17≈14	26 ₹ 9	8 . 7 4	28 궁 50	6≈30	17831	179911	7 ≙ 25	8 8 42	11°D52	13≈22	19 ≏ 43	19 ≈ 6	S 31

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S 3 M 4 T 5	22 9 22 17 22 25	14 7 0	0 34 15 0n37 15 1 48 15	43 2	2 38 1	10 51 11 16 11 40	2 3	24 23 24 21 24 18	1 5	20 41 20 39 20 36	0 38	15 13 15 12 15 11	2 23		0 27	1 25 1 26 1 26	1 30 1 30 1 30	0 37	15 58	16 48 16 48 16 48	16 26	10 46	9 39 9 39 9 38	6 12 6 11 6 11
W 6 T 7 F 8	22 33 22 40 22 46	2 6 2 4n21 3	2 53 16 3 50 16 4 32 16	13 2 30 2	2 30 1	12 5 12 29 12 52	2 2 2 1	24 15 24 12 24 9	1 6 1 6	20 34 20 31 20 29		15 10 15 9	2 23 2 23	22 42 22 43	0 27 0 27	1 27 1 27 1 27 1 27	1 31 1 31 1 31	0 37 0 37	15 57 15 57	16 48 16 49 16 50	16 28 16 29	10 52 10 55	9 38 9 38 9 37	6 10 6 10 6 10
S 9 S 10 M11		21 26 5	4 58 17 5 5 17 4 51 17	31 2		13 16 13 39 14 2	1 59		1 6	20 26 20 23 20 20	0 38 0 38 0 38	15 7			0 27	1 28 1 28 1 28	1 31 1 31 1 31	0 38	15 56	16 51 16 54 16 56	16 31	11 4	9 37 9 37 9 36	6 9 6 9 6 8
T 12 W13 T 14	23 8 23 12	26 56 4 27 1 3	4 19 18 3 31 18 2 32 19	15 38	1 52 1 1 45 1	14 25 14 25 14 47 15 9	1 57 1 56	23 52	1 7 1 7 1 7	20 18 20 15	0 38 0 38 0 38	15 5 15 4		22 44 22 45	0 28 0 28	1 29 1 29 1 29	1 31 1 31 1 31 1 31		15 56 15 56	16 59 17 1	16 33 16 34	11 10 11 13 11 15	9 36 9 35 9 35	6 8 6 8 6 7
F 15 S 16	23 19 23 22	22 15 1 18 5 0	1 25 19 1 15 19	23 45	1 29 1 1 22 1	15 31 15 52	1 54 1 52	23 36 23 30	1 7 1 7	20 9 20 6	0 38 0 39	15 3 15 2	2 21 2 21	22 45 22 46	0 28 0 28	1 30 1 30	1 31 1 31	0 38	15 55 15 55	17 3 17 4	16 36 16 37	11 18 11 21	9 34 9 34	6 7 6 7
S 17 M18 T 19 W20	23 24 23 26 23 28 23 29	7 54 1 2 26 2	0s53 20 1 58 20 2 55 20 3 44 21	29 1 50 0	0 58 1	16 13 16 33 16 53 17 13	1 49 1 48	23 11	1 7 1 7 1 7 1 7	20 0 19 57	0 39 0 39 0 39 0 39	15 0		-		1 30 1 30 1 31 1 31	1 31 1 31 1 31 1 31	0 38 0 38 0 37 0 37	15 54 15 54	17 3 17 3	16 39 16 40	11 24 11 27 11 30 11 33	9 33 9 32 9 32 9 31	6 6 6 6 6 5
T 21 F 22 S 23	23 29 23 29 23 29	-	1 23 21 1 51 21 5 6 22	49 (0 42 1 0 34 1 0 27 1	17 51	1 43	22 58 22 50 22 43	1 7 1 7 1 7		0 39	14 59 14 58 14 57	2 19	22 47 22 48 22 48		1 31 1 31 1 31	1 31 1 31 1 31	0 37 0 37 0 37	15 53	17 4	16 42	11 36 11 39 11 42	9 31 9 30 9 29	6 5 6 5 6 4
_	23 27 23 25	26 40 4	4 57 22 4 31 22	41 (57 (0 4 1	18 45 19 2	1 37 1 35	22 18	1 7 1 7 1 8	19 39 19 35	0 39 0 39	14 56 14 56	2 19 2 18	22 49	0 28 0 28	1 32 1 32 1 32	1 32 1 32 1 32		15 52 15 52	17 9 17 11	16 45 16 46	-	9 29 9 28 9 27	6 4 6 4 6 3
W27 T 28 F 29 S 30		26 16 2 23 52 1	3 51 23 2 58 23 1 55 23 0 45 23	24 (37 (0 11 1	19 18 19 34 19 50	1 31 1 29		1 8 1 8 1 8 1 8	19 29 19 26	0 39 0 39	14 55 14 55 14 55 14 54	2 18 2 18	22 49 22 50 22 50 22 50	0 28 0 28	1 32 1 32 1 32 1 32	1 32 1 32 1 32 1 32	0 37 0 37	15 51 15 51	17 13 17 14 17 15 17 16	16 48 16 49	11 56 11 59	9 26 9 26 9 25 9 24	6 3 6 3 6 3 6 2
) 45 23)n29 23 s		0 23 2 0 s32 2			21 42 21 s32		19 22 19 s19		14 54 14n54		22 50 22n51	0 28 0n28	1 s32	1 32 1n32					12 2 12s 5		

 $\label{eq:Julian Day Number = 2311991.5, Delta T = 68.52 sec} \\ Ecliptic obliquity = 23°29'26, Nutation = 0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°24'27, Lahiri = 18°31'28Greg. Calendar$