

Astrodienst Ephemeris Tables for the year 1871

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 1871 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)ţ(并	В	n	Ω	Ç	ķ	Day
S 1	6 40 49	10 궁 11'03	5 8 33	29 石 30	15 云 52	0 ≏ 27	18°R59	2 ප 0	25°R 9	19 Υ 1	17°R 8	10°D 0	1095 2	24830	3 Υ 16	S 1
M 2	6 44 45	11°12'12	17°23	0 ≈ 34	13 0 32	0°48	18 II 52	2° 7	25 K 9	19° 1	1787	1095 0	9°59	24°37	3°17	M 2
T 3	6 48 42	12°13'21	29°13	1°33	18°22	1° 9	18°45	2°14	25° 4	19° 1	17° 7	10° 0	9°56	24°44	3°18	T 3
W 4	6 52 38	13°14'30	11 I 6	2°25	19°38	1°29	18°38	2°21	25° 2	19° 2	17° 6	10° 1	9°53	24°50	3°19	W 4
T 5	6 56 35	14°15'38	23° 5	3° 9	20°53	1°48	18°32	2°28	24°59	19° 2	17° 6	10° 1	9°50	24°57	3°21	T 5
F 6	7 0 32	15°16'46	59913	3°46	22° 9	2° 8	18°25	2°35	24°57	19° 2	17° 5	10°R 1	9°46	25° 4	3°22	F 6
S 7	7 4 28	16°17'54	17°32	4°13	23°24	2°27	18°19	2°42	24°54	19° 2	17° 5	10° 1	9°43	25°10	3°23	S 7
S 8	7 8 25	17°19'02	0 Ω 2	4°30	24°40	2°45	18°13	2°49	24°51	19° 2	17° 4	10° 1	9°40	25°17	3°24	S 8
M 9	7 12 21	18°20'10	12°45	4°R37	25°55	3° 3	18° 6	2°56	24°49	19° 3	17° 4	10° 0	9°37	25°24	3°26	M 9
T 10	7 16 18	19°21'17	25°41	4°32	27°10	3°21	18° 0	3° 3	24°46	19° 3	17° 3	9°59	9°34	25°30	3°27	T 10
W11	7 20 14	20°22'24	8 m 50	4°15	28°26	3°39	17°55	3°10	24°44	19° 4	17° 3	9°57	9°31	25°37	3°29	W11
T 12	7 24 11	21°23'31	22°13	3°47	29°41	3°56	17°49	3°17	24°41	19° 4	17° 2	9°56	9°27	25°44	3°30	T 12
F 13	7 28 7	22°24'38	5 Ω 50	3° 7	0≈56	4°12	17°43	3°24	24°38	19° 4	17° 2	9°55	9°24	25°50	3°32	F 13
S 14	7 32 4	23°25'44	19°41	2°16	2°12	4°28	17°38	3°30	24°36	19° 5	17° 1	9°D54	9°21	25°57	3°34	S 14
S 15	7 36 1	24°26'51	3 M .44	1°16	3°27	4°44	17°33	3°37	24°33	19° 5	17° 1	9°55	9°18	26° 4	3°35	S 15
M16	7 39 57	25°27'57	17°59	0° 8	4°42	4°59	17°28	3°44	24°31	19° 6	17° 1	9°55	9°15	26°10	3°37	M16
T 17	7 43 54	26°29'04	2 ₹ 24	28 궁 55	5°58	5°13	17°23	3°51	24°28	19° 7	17° 0	9°56	9°12	26°17	3°39	T 17
W18	7 47 50	27°30'09	16°55	27°38	7°13	5°27	17°18	3°57	24°25	19° 7	17° 0	9°58	9° 8	26°24	3°41	W18
T 19	7 51 47	28°31'15	1 る 28	26°20	8°28	5°41	17°14	4° 4	24°23	19° 8	17° 0	9°59	9° 5	26°30	3°42	T 19
F 20	7 55 43	29°32'20	15°56	25° 4	9°44	5°54	17°10	4°11	24°20	19° 9	17° 0	9°R59	9° 2	26°37	3°44	F 20
S 21	7 59 40	0≈33'24	0≈16	23°51	10°59	6° 6	17° 5	4°17	24°18	19° 9	16°59	9°58	8°59	26°44	3°46	S 21
S 22	8 3 36	1°34'28	14°20	22°43	12°14	6°18	17° 1	4°24	24°15	19°10	16°59	9°56	8°56	26°51	3°48	S 22
M23	8 7 33	2°35'31	28° 6	21°42	13°30	6°30	16°58	4°31	24°12	19°11	16°59	9°52	8°52	26°57	3°50	M23
T 24	8 11 30	3°36'32	11 米 30	20°50	14°45	6°41	16°54	4°37	24°10	19°12	16°59	9°49	8°49	27° 4	3°53	T 24
W25	8 15 26	4°37'33	24°31	20° 5	16° 0	6°51	16°51	4°44	24° 7	19°13	16°59	9°45	8°46	27°11	3°55	W25
T 26	8 19 23	5°38'33	7 Υ 11	19°30	17°15	7° 1	16°48	4°50	24° 5	19°13	16°59	9°41	8°43	27°17	3°57	T 26
F 27	8 23 19	6°39'31	19°32	19° 3	18°31	7°10	16°45	4°56	24° 2	19°14	16°59	9°39	8°40	27°24	3°59	F 27
S 28	8 27 16	7°40'28	1 8 38	18°46	19°46	7°18	16°42	5° 3	24° 0	19°15	16°58	9°37	8°37	27°31	4° 2	S 28
S 29	8 31 12	8°41'24	13°34	18°37	21° 1	7°26	16°39	5° 9	23°57	19°16	16°58	9°D37	8°33	27°37	4° 4	S 29
M30	8 35 9	9°42'19	25°24	18°D35	22°16	7°33	16°37	5°15	23°55	19°17	16°58	9°38	8°30	27°44	4° 6	M30
T 31	8 39 5	10≈43'13	7 Ⅱ 14	18 る 42	23≈31	7 ≙ 40	16耳35	5 る 22	23952	19 Y 18	16°D58	9 95 40	8927	27 8 51	4 Υ 9	T 31

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S 1 M 2 T 3	23 s 4 22 59 22 54	12 59 4 13 16 37 3 28	21 4 1 20 40 0	1 s14 23 s24 0 s54 1 3 23 17 0 56 0 52 23 9 0 58	2 4 2 36 1 57 2 37	22 32 0 26	22 37 0 50 22 37 0 50	21n39 0n32 21 39 0 32 21 40 0 32	5n53 1 s41 5 53 1 41 5 54 1 41	2 20 15 12 2 20 15 12	23 5 23 5	15 23 15 25	3n45 2n40 3 45 2 40 3 45 2 40
W 4 T 5 F 6 S 7	22 48 22 41 22 35 22 28	21 44 1 33 22 55 0 27	19 52 0 19 29 0	0 39 23 0 0 59 0 25 22 50 1 1 0 10 22 40 1 3 0n 6 22 29 1 5	1 43 2 39 1 37 2 41	22 32 0 26 22 31 0 26	22 36 0 49 22 36 0 49	21 40 0 32 21 40 0 32 21 41 0 32 21 41 0 32	5 54 1 41	2 21 15 12 2 21 15 12 2 21 15 11 2 21 15 11	23 5 23 5 23 5 23 6	15 31	3 46 2 40 3 46 2 39 3 46 2 39 3 47 2 39
W11 T 12 F 13	-	19 44 2 52 16 32 3 47 12 27 4 31 7 42 5 2 2 31 5 16	18 27 0 18 11 1 17 56 1 17 45 1 17 36 1	0 23 22 18 1 6 0 41 22 5 1 8 1 0 21 52 1 9 1 18 21 39 1 11 1 37 21 25 1 12 1 56 21 10 1 14 2 14 20 54 1 15	1 18 2 44 1 12 2 45 1 6 2 47 1 0 2 48 0 55 2 49	22 30 0 25 22 30 0 25 22 29 0 25 22 29 0 25 22 29 0 25	22 36 0 49 22 36 0 49 22 36 0 49 22 36 0 49 22 36 0 49	21 42 0 32 21 42 0 32 21 43 0 32 21 43 0 32 21 44 0 32 21 44 0 32 21 45 0 32	5 54 1 41 5 55 1 41 5 55 1 41 5 55 1 41 5 55 1 41	2 22 15 9	23 5 23 6 23 5 23 7	15 40 15 42 15 45 15 47	3 47 2 38
S 15 M16 T 17 W18 T 19 F 20 S 21	21 15 21 4 20 52 20 40 20 28 20 16 20 3	13 12 4 10 17 30 3 13 20 45 2 4 22 40 0 47 23 3 0s33	17 26 2 17 28 3 17 32 3 17 37 3 17 45 3	2 31 20 38 1 16 2 46 20 21 1 18 3 0 20 4 1 19 3 11 19 46 1 20 3 20 19 28 1 21 3 26 19 9 1 22 3 30 18 49 1 23	0 40 2 53 0 35 2 54 0 31 2 55 0 27 2 57 0 23 2 58	22 28 0 24 22 28 0 24 22 27 0 24 22 27 0 23 22 27 0 23	22 35 0 49 22 35 0 49 22 35 0 49 22 35 0 49 22 35 0 49	21 45 0 32 21 46 0 32 21 46 0 32 21 47 0 32 21 47 0 32 21 48 0 32 21 48 0 32	5 56 1 41 5 56 1 40 5 57 1 40 5 57 1 40 5 57 1 40	2 23 15 8 2 23 15 8 2 23 15 8 2 23 15 7 2 24 15 7	23 5 23 8	15 55 15 58 16 0 16 2	3 50 2 37 3 50 2 37 3 51 2 37 3 51 2 37 3 52 2 36 3 53 2 36 3 53 2 36
S 22 M23 T 24 W25 T 26 F 27 S 28	19 49 19 36 19 22 19 7 18 52 18 37 18 22	11 31 4 37 6 49 5 3 1 57 5 14	18 14 3 18 25 3 18 36 3 18 47 3 18 58 3	3 32 18 29 1 24 3 31 18 8 1 25 3 28 17 47 1 26 3 23 17 25 1 26 3 17 17 3 1 27 3 10 16 41 1 28 3 1 16 17 1 28	0 12 3 2 0 9 3 3 0 6 3 4 0 3 3 6 0 1 3 7	22 26 0 23 22 26 0 22 22 26 0 22 22 26 0 22 22 26 0 22	22 34 0 49 22 34 0 49 22 34 0 49 22 33 0 49 22 33 0 49	21 49 0 32 21 49 0 32 21 49 0 32 21 50 0 32 21 50 0 32 21 51 0 32 21 51 0 32	5 58 1 40 5 58 1 40 5 59 1 40 5 59 1 40 6 0 1 40	2 24 15 6 2 25 15 6 2 25 15 5 2 25 15 5 2 26 15 5	23 5 23 9 23 5 23 9 23 6 23 10 23 6 23 10 23 6 23 10 23 6 23 10 23 6 23 11	16 8 16 10 16 13 16 15	3 55 2 36
	18 6 17 50 17 s34	15 34 3 39	19 30 2	2 52 15 54 1 29 2 41 15 30 1 29 2n31 15s 6 1s29	0 5 3 11	22 26 0 21	22 33 0 49	21 52 0 32 21 52 0 32 21n53 0n32	6 1 1 40	2 27 15 4	23 6 23 11 23 6 23 11 23n 6 23n11	16 23	3 59 2 35 4 0 2 34 4n 0 2n34

Julian Day Number = 2404428.5, Delta T = 1.33 sec Ecliptic obliquity = $23^{\circ}27'20$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'20$, Lahiri = $22^{\circ}03'20$

00:00 UT FEBRUARY 1871

Day	Sid.t	0	J	ğ	·	ď	4	ħ)Å(并	В	n	Ω	Ç	ķ	Day
W 1	8 43 2	11≈44'05	19耳 8	18 궁 55	24≈46	7 ≙ 46	16°R33	5 云 28	23°R50	19 Υ 19	16 8 58	99542	89524	27 8 57	4Υ 11	W 1
T 2	8 46 59	12°44'56	19512	19°15	26° 2	7°51	16耳31	5°34	239547	19°21	16°58	9°43	8°21	28° 4	4°14	T 2
F 3	8 50 55	13°45'46	13°27	19°41	27°17	7°56	16°29	5°40	23°45	19°22	16°58	9°R44	8°18	28°11	4°16	F 3
S 4	8 54 52	14°46'34	25°58	20°12	28°32	8° 0	16°28	5°46	23°42	19°23	16°59	9°42	8°14	28°17	4°19	S 4
S 5	8 58 48	15°47'21	8 Ω 46	20°49	29°47	8° 3	16°27	5°52	23°40	19°24	16°59	9°39	8°11	28°24	4°21	S 5
M 6	9 2 45	16°48'07	21°51	21°30	1 ¥ 2	8° 6	16°26	5°58	23°38	19°25	16°59	9°35	8° 8	28°31	4°24	M 6
T 7	9 6 41	17°48'51	5 m 12	22°15	2°17	8° 8	16°25	6° 4	23°35	19°27	16°59	9°28	8° 5	28°37	4°27	T 7
W 8	9 10 38	18°49'34	18°48	23° 4	3°32	8° 9	16°25	6°10	23°33	19°28	16°59	9°22	8° 2	28°44	4°29	W 8
T 9	9 14 34	19°50'16	2 ≏ 36	23°56	4°47	8°R 9	16°24	6°16	23°31	19°29	16°59	9°15	7°58	28°51	4°32	T 9
F 10	9 18 31	20°50'57	16°32	24°52	6° 2	8° 9	16°D24	6°21	23°29	19°31	16°59	9° 9	7°55	28°57	4°35	F 10
S 11	9 22 28	21°51'37	0 M J34	25°51	7°17	8° 8	16°24	6°27	23°26	19°32	17° 0	9° 6	7°52	29° 4	4°38	S 11
S 12	9 26 24	22°52'16	14°40	26°52	8°32	8° 6	16°24	6°33	23°24	19°33	17° 0	9° 4	7°49	29°11	4°41	S 12
M13	9 30 21	23°52'53	28°48	27°56	9°46	8° 4	16°25	6°38	23°22	19°35	17° 0	9°D 3	7°46	29°17	4°44	M13
T 14	9 34 17	24°53'30	12 × 756	29° 2	11° 1	8° 0	16°25	6°44	23°20	19°36	17° 1	9° 4	7°43	29°24	4°47	T 14
W15	9 38 14	25°54'05	27° 3	0≈11	12°16	7°56	16°26	6°49	23°18	19°38	17° 1	9° 6	7°39	29°31	4°50	W15
T 16	9 42 10	26°54'39	11 궁 8	1°21	13°31	7°51	16°27	6°55	23°16	19°39	17° 1	9°R 6	7°36	29°37	4°53	T 16
F 17	9 46 7	27°55'12	25° 8	2°33	14°46	7°46	16°28	7° 0	23°14	19°41	17° 2	9° 5	7°33	29°44	4°56	F 17
S 18	9 50 3	28°55'44	9≈ 1	3°48	16° 1	7°39	16°30	7° 5	23°12	19°42	17° 2	9° 1	7°30	29°51	4°59	S 18
S 19	9 54 0	29°56'14	22°44	5° 3	17°15	7°32	16°32	7°10	23°10	19°44	17° 2	8°55	7°27	29°58	5° 2	S 19
M20	9 57 57	0) € 56'42	6) €13	6°21	18°30	7°24	16°33	7°15	23° 8	19°46	17° 3	8°47	7°24	0 Π 4	5° 5	M20
T 21	10 1 53	1°57'09	19°26	7°39	19°45	7°15	16°35	7°21	23° 6	19°47	17° 3	8°38	7°20	0°11	5° 8	T 21
W22	10 5 50	2°57'34	2 Υ 21	9° 0	20°59	7° 6	16°38	7°26	23° 4	19°49	17° 4	8°27	7°17	0°18	5°11	W22
T 23	10 9 46	3°57'57	14°58	10°21	22°14	6°55	16°40	7°30	23° 2	19°51	17° 4	8°18	7°14	0°24	5°14	T 23
F 24	10 13 43	4°58'18	27°19	11°44	23°29	6°44	16°43	7°35	23° 1	19°52	17° 5	8°10	7°11	0°31	5°18	F 24
S 25	10 17 39	5°58'37	9 8 25	13° 8	24°43	6°32	16°46	7°40	22°59	19°54	17° 5	8° 4	7° 8	0°38	5°21	S 25
S 26	10 21 36	6°58'55	21°21	14°34	25°58	6°19	16°49	7°45	22°57	19°56	17° 6	8° 0	7° 4	0°44	5°24	S 26
M27	10 25 32	7°59'10	3 I I12	16° 1	27°12	6° 6	16°52	7°50	22°56	19°58	17° 6	7°D59	7° 1	0°51	5°27	M27
T 28	10 29 29	8 ¥ 59'23	15 I 1	17≈28	28 米 27	5 ≙ 52	16耳55	7 る 54	22954	19 Y 59	178 7	7959	6958	0耳58	5 Ƴ 31	T 28

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W 1	17 s17	21n11	1 s50	19 s49	2n20	14 s41	1 s30	0s 7	3n13	22n26	0 s21	22 s32	0n48	21n53	0n32	6n 2	1 s40	2n27	15 s 3	23n 6	23n11	16n28	4n 1	2n34
T 2	17 0	22 40	0 47	19 57	2 9	14 15	1 30	0 8	3 14	22 26	0 21	22 32	0 48	21 53	0 32	6 2	1 40	2 28	15 3	23 6	23 12	16 30	4 2	2 34
F 3	16 42	23 7	0n20	20 4	1 57	13 50	1 30	0 9	3 16	22 26	0 21	22 32	0 48	21 54	0 32	6 3	1 40	2 28	15 2	23 6	23 12	16 32	4 3	2 34
S 4	16 25	22 24	1 28	20 11	1 46	13 24	1 30	0 9	3 17	22 26	0 20	22 31	0 48	21 54	0 32	6 3	1 40	2 28	15 2	23 6	23 12	16 34	4 4	2 33
S 5	16 7	20 31	2 32	20 17	1 35	12 58	1 30	0 10	3 18	22 26	0 20	22 31	0 48	21 55	0 32	6 4	1 40	2 29	15 2	23 6	23 12	16 36	4 5	2 33
M 6	15 49	17 32	3 29	20 22	1 23	12 31	1 30	0 10	3 19	22 26	0 20	22 31	0 48	21 55	0 32	6 4	1 39	2 29	15 1	23 7	23 12	16 38	4 6	2 33
T 7	15 30	13 35	4 16	20 26	1 12	12 4	1 30	0 9	3 21	22 26	0 20	22 31	0 48	21 55	0 32	6 5	1 39	2 29	15 1	23 7	23 13	16 40	4 6	2 33
W 8	15 11	8 53	4 50	20 29	1 1	11 37	1 29	0 9	3 22	22 26	0 20	22 30	0 48	21 56	0 32	6 5	1 39	2 30	15 1	23 8	23 13	16 42	4 7	2 33
T 9	14 53	3 40	5 7	20 30	0 50	11 9	1 29	0 8	3 23	22 26	0 19	22 30	0 48	21 56	0 32	6 6	1 39	2 30	15 0	23 8	23 13	16 44	4 8	2 33
F 10	14 33	1 s47	5 7	20 31	0 40	10 41	1 29	0 6	3 24	22 27	0 19	22 30	0 48	21 57	0 32	6 6	1 39	2 30	15 0	23 8	23 13	16 47	4 9	2 32
S 11	14 14	7 10	4 48	20 30	0 30	10 13	1 28	0 5	3 25	22 27	0 19	22 30	0 48	21 57	0 32	6 7	1 39	2 31	15 0	23 9	23 13	16 49	4 10	2 32
S 12	13 54	12 14	4 12	20 29	0 19	9 44	1 28	0 3	3 26	22 27	0 19	22 29	0 48	21 57	0 32	6 8	1 39	2 31	14 59	23 9	23 14	16 51	4 11	2 32
M13	13 34	16 39	3 20	20 26	0 10	9 16	1 27	0 1	3 28	22 27	0 19	22 29	0 48	21 58	0 32	6 8	1 39	2 32	14 59	23 9	23 14	16 53	4 12	2 32
T 14	13 14	20 6	2 17	20 22	0s 0	8 47	1 27	0n 1	3 29	22 27	0 18	22 29	0 48	21 58	0 32	6 9	1 39	2 32	14 59	23 9	23 14	16 55	4 13	2 32
W15	12 54	22 21	1 5	20 17	0 9	8 17	1 26	0 4	3 30	22 28	0 18	22 29	0 48	21 58	0 32	6 9	1 39	2 32	14 58	23 9	23 14	16 57	4 14	2 32
T 16	12 33	23 10	0s11	20 10	0 18	7 48	1 25	0 6	3 31	22 28	0 18	22 28	0 48	21 59	0 32	6 10	1 39	2 33	14 58	23 9	23 14	16 59	4 15	2 32
F 17	12 12	22 31	1 25	20 3	0 27	7 18	1 25	0 10	3 32	22 28	0 18	22 28	0 48	21 59	0 32	6 11	1 39	2 33	14 58	23 9	23 14	17 1	4 16	2 31
S 18	11 51	20 29	2 34	19 54	0 36	6 49	1 24	0 13	3 33	22 29	0 18	22 28	0 48	21 59	0 32	6 11	1 39	2 34	14 57	23 9	23 15	17 3	4 18	2 31
S 19	11 30	17 18	3 33	19 43	0 44	6 19	1 23	0 17	3 34	22 29	0 18	22 28	0 48	22 0	0 32	6 12	1 39	2 34	14 57	23 9	23 15	17 5	4 19	2 31
M20	11 9	13 14	4 18	19 32	0 51	5 48	1 22	0 21	3 34	22 29	0 17	22 27	0 48	22 0	0 32	6 12	1 39	2 34	14 57	23 10	23 15	17 7	4 20	2 31
T 21	10 47	8 37	4 49	19 19	0 59	5 18	1 21	0 25	3 35	22 30	0 17	22 27	0 48	22 0	0 32	6 13	1 39	2 35	14 56	23 10	23 15	17 9	4 21	2 31
W22	10 26	3 43	5 4	19 5	1 6	4 48	1 20	0 29	3 36	22 30	0 17	22 27	0 48	22 1	0 32	6 14	1 39	2 35	14 56	23 11	23 15	17 12	4 22	2 31
T 23	10 4	1n14	5 3	18 50	1 13	4 17	1 18	0 34	3 37	22 31	0 17	22 27	0 48	22 1	0 32	6 14	1 39	2 36	14 56	23 12	23 15	17 14	4 23	2 31
F 24	9 42	6 2	4 49	18 33	1 19	3 46	1 17	0 39	3 38	22 31	0 17	22 26	0 48	22 1	0 32	6 15	1 39	2 36	14 55	23 12	23 16	17 16	4 24	2 30
S 25	9 20	10 30	4 21	18 15	1 25	3 16	1 16	0 45	3 38	22 31	0 16	22 26	0 48	22 1	0 32	6 16	1 39	2 37	14 55	23 13	23 16	17 18	4 25	2 30
S 26	8 57	14 32	3 43	17 56	1 31	2 45	1 14	0 50	3 39	22 32	0 16	22 26	0 48	22 2	0 32	6 16	1 39	2 37	14 55	23 13	23 16	17 20	4 27	2 30
M27	8 35	17 57	2 55	17 35	1 37	2 14	1 13	0 56	3 39	22 32	0 16	22 25	0 48	22 2	0 32	6 17	1 39	2 38	14 54	23 13	23 16	17 22	4 28	2 30
T 28	8 s12	20n38	2s 0	17s13	1 s42	1 s43	1s12	1n 2	3n40	22n33	0s16	$22\mathrm{s}25$	0n48	22n 2	0n32	6n18	1 s39	2n38	14 s 5 4	23n13	23n16	17n24	4n29	2n30

Julian Day Number = 2404459.5, Delta T = 1.26 sec Ecliptic obliquity = $23^{\circ}27'20$, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'24$, Lahiri = $22^{\circ}03'25$

MARCH 1871 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ ¹	24	ħ)∤(¥	Р	n	ũ	Ç	ķ	Day
W 1	10 33 26	9 ¥ 59'35	26 I I55	18≈57	29 ¥ 41	5°R37	16 II 59	7 ろ 59	22°R52	20 Υ 1	17 8 7	7959	6955	1 I 4	5 Υ 34	W 1
T 2	10 33 20	10°59'44	8959	20°28	0Υ56	5 Ω 21	17° 2	8° 3	22951	20° 3	17° 8	8°R 0	6°52	1°11	5°37	T 2
F 3	10 41 19	11°59'51	21°18	21°59	2°10	5° 5	17° 6	8° 7	22°49	20° 5	17° 9	7°59	6°49	1°18	5°41	F 3
S 4	10 45 15	12°59'57	3Ω56	23°31	3°25	4°48	17°10	8°12	22°48	20° 7	17° 9	7°56	6°45	1°24	5°44	S 4
S 5	10 49 12	14° 0'00	16°55	25° 5	4°39	4°31	17°15	8°16	22°47	20° 9	17°10	7°50	6°42	1°31	5°48	S 5
M 6	10 49 12	15° 0'01	0mp18	25°3 26°40	5°53	4°13	17°19	8°20	22°45	20°11	17 10 17°11	7°42	6°39	1°38	5°51	M 6
T 7	10 57 5	16° 0'00	14° 2	28°15	7° 7	3°54	17°24	8°24	22°44	20°12	17°12	7°32	6°36	1°44	5°54	T 7
W 8	11 1 1	16°59'57	28° 5	29°52	8°22	3°35	17°29	8°28	22°43	20°14	17°12	7°21	6°33	1°51	5°58	W 8
T 9	11 4 58	17°59'52	12 <u>₽</u> 21	1) 32	9°36	3°15	17°34	8°32	22°42	20°16	17°13	7° 9	6°29	1°58	6° 1	T 9
F 10	11 8 54	18°59'46	26°45	3°10	10°50	2°54	17°39	8°36	22°41	20°18	17°14	7° 0	6°26	2° 4	6° 5	F 10
S 11	11 12 51	19°59'38	11 M .10	4°50	12° 4	2°34	17°44	8°39	22°39	20°20	17°15	6°52	6°23	2°11	6° 8	S 11
S 12	11 16 48	20°59'28	25°32	6°32	13°18	2°12	17°50	8°43	22°38	20°22	17°15	6°48	6°20	2°18	6°12	S 12
M13	11 20 44	21°59'16	9 × 747	8°14	14°32	1°51	17°55	8°47	22°37	20°24	17°16	6°45	6°17	2°24	6°15	M13
T 14	11 24 41	22°59'03	23°53	9°58	15°46	1°29	18° 1	8°50	22°37	20°26	17°17	6°D45	6°14	2°31	6°19	T 14
W15	11 28 37	23°58'48	7 云 50	11°43	17° 0	1° 6	18° 7	8°54	22°36	20°29	17°18	6°R45	6°10	2°38	6°23	W15
T 16	11 32 34	24°58'32	21°36	13°30	18°14	0°44	18°13	8°57	22°35	20°31	17°19	6°44	6° 7	2°44	6°26	T 16
F 17	11 36 30	25°58'14	5≈14	15°17	19°28	0°21	18°20	9° 0	22°34	20°33	17°20	6°42	6° 4	2°51	6°30	F 17
S 18	11 40 27	26°57'54	18°41	17° 6	20°42	29 m 58	18°26	9° 3	22°33	20°35	17°21	6°36	6° 1	2°58	6°33	S 18
S 19	11 44 23	27°57'32	1) 58	18°56	21°55	29°34	18°33	9° 6	22°33	20°37	17°22	6°28	5°58	3° 4	6°37	S 19
M20	11 48 20	28°57'08	15° 5	20°47	23° 9	29°11	18°39	9° 9	22°32	20°39	17°22	6°17	5°55	3°11	6°40	M20
T 21	11 52 17	29°56'42	27°59	22°40	24°23	28°47	18°46	9°12	22°31	20°41	17°23	6° 4	5°51	3°18	6°44	T 21
W22	11 56 13	0 Ƴ 56'15	10 Y 39	24°34	25°37	28°24	18°53	9°15	22°31	20°43	17°24	5°50	5°48	3°24	6°48	W22
T 23	12 0 10	1°55'45	23° 7	26°29	26°50	28° 0	19° 1	9°17	22°30	20°46	17°25	5°37	5°45	3°31	6°51	T 23
F 24	12 4 6	2°55'13	5 8 21	28°25	28° 4	27°37	19° 8	9°20	22°30	20°48	17°26	5°25	5°42	3°38	6°55	F 24
S 25	12 8 3	3°54'39	17°24	0 Υ 22	29°17	27°14	19°15	9°23	22°30	20°50	17°27	5°15	5°39	3°44	6°59	S 25
S 26	12 11 59	4°54'02	29°18	2°21	0 8 31	26°51	19°23	9°25	22°29	20°52	17°28	5° 9	5°35	3°51	7° 2	S 26
M27	12 15 56	5°53'24	11 I 6	4°20	1°44	26°28	19°31	9°27	22°29	20°54	17°29	5° 5	5°32	3°58	7° 6	M27
T 28	12 19 52	6°52'43	22°54	6°21	2°58	26° 5	19°39	9°29	22°29	20°56	17°31	5° 4	5°29	4° 4	7° 9	T 28
W29	12 23 49	7°52'00	49647	8°23	4°11	25°43	19°47	9°32	22°29	20°59	17°32	5° 3	5°26	4°11	7°13	W29
T 30	12 27 46	8°51'15	16°49	10°25	5°25	25°21	19°55	9°34	22°29	21° 1	17°33	5° 3	5°23	4°18	7°17	T 30
F 31	12 31 42	9 Y 50'27	2995 7	12 Y 28	6 8 38	24 m 59	20耳 3	9 ප 36	22°D29	21 ° 3	17 8 34	5 95 2	5920	4 ∏ 24	7 Y 20	F 31

Day	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	n	v t	ę,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
W 1 T 2 F 3 S 4	7 s50 7 27 7 4 6 41	23 14 0n 5 22 56 1 10	16s50 1s47 16 26 1 51 16 0 1 55 15 33 1 58	1 0 40 1 8 5 0 9 1 7	1n 8 3n40 1 15 3 41 1 21 3 41 1 28 3 41	22 34 0 16 22 34 0 15	22 s25	22 3 0 32	6n19 1s39 6 19 1 39 6 20 1 38 6 21 1 38	2n38 14s54 2 39 14 53 2 39 14 53 2 40 14 53	23 13 23 23 13 23	17 17 28 17 17 30	4n30 2n30 4 31 2 30 4 33 2 30 4 34 2 29
S 5 M 6 T 7 W 8	6 18 5 55 5 32 5 8	15 8 4 1 10 33 4 37 5 19 4 58	14 35 2 5 14 4 2 7 13 32 2 9	5 1 24 1 1 7 1 55 0 59 9 2 26 0 57	1 43 3 41 1 50 3 41 1 58 3 41	22 36 0 15 22 37 0 15 22 37 0 15	22 24 0 48 22 24 0 48 22 23 0 48 22 23 0 48	22 4 0 32 22 4 0 32 22 4 0 32	6 22 1 38 6 22 1 38 6 23 1 38 6 24 1 38	2 42 14 52	23 14 23 23 15 23 23 15 23	17 17 36 17 17 38 18 17 40	4 38 2 29 4 39 2 29
T 9 F 10 S 11 S 12	4 45 4 21 3 58 3 34	5 54 4 44 11 14 4 10	12 59 2 11 12 24 2 12 11 48 2 13 11 11 2 13	2 3 28 0 53 3 3 59 0 51	2 13 3 41 2 21 3 40	22 39 0 14 22 39 0 14	22 23 0 48 22 23 0 48 22 22 0 48 22 22 0 48	22 4 0 32 22 4 0 32	6 25 1 38 6 25 1 38 6 26 1 38 6 27 1 38	2 42 14 51 2 43 14 51 2 43 14 51 2 44 14 51	23 16 23 23 17 23	18 17 44 18 17 46	4 40 2 29 4 42 2 29 4 43 2 29 4 44 2 29
M13 T 14 W15 T 16 F 17 S 18	3 11 2 47 2 24 2 0	19 40 2 18 22 11 1 8 23 19 0s 6 23 0 1 18 21 19 2 25	10 32 2 13 9 53 2 12	3 5 1 0 47 2 5 31 0 45 1 6 2 0 42 0 6 32 0 40 8 7 3 0 37	2 37 3 39 2 45 3 39 2 54 3 38 3 2 3 37 3 10 3 36	22 41 0 14 22 41 0 14 22 42 0 13 22 43 0 13 22 43 0 13	22 22 0 48 22 22 0 48 22 21 0 48	22 5 0 32 22 5 0 32	6 28 1 38 6 28 1 38 6 29 1 38 6 30 1 38 6 31 1 38 6 32 1 38	2 44 14 50 2 45 14 50 2 45 14 50 2 46 14 49	23 17 23 23 17 23 23 17 23 23 17 23 23 17 23	18 17 50 19 17 52 19 17 54 19 17 56 19 17 58	4 45 2 28 4 47 2 28 4 48 2 28 4 49 2 28 4 51 2 28
S 19 M20 T 21 W22 T 23 F 24 S 25	0 49 0 25 0 1 0n22 0 46 1 10 1 33	10 11 4 40 5 21 4 57 0 22 4 59 4n33 4 46 9 13 4 21	4 40 1 55 3 51 1 51	9 8 32 0 30 5 9 2 0 28 1 9 31 0 25 6 10 0 0 22 0 10 29 0 20	3 35 3 33 3 43 3 32 3 51 3 31 3 59 3 29 4 7 3 28	22 46 0 13 22 46 0 13 22 47 0 12 22 48 0 12 22 49 0 12	22 21 0 48 22 20 0 48 22 19 0 48	22 6 0 32 22 6 0 32	6 32 1 38 6 33 1 38 6 34 1 38 6 35 1 38 6 36 1 38 6 37 1 38 6 37 1 38	2 48 14 48 2 48 14 48 2 49 14 48	23 18 23 23 19 23 23 20 23 23 20 23 23 21 23	19 18 4 20 18 6 20 18 8 20 18 10 20 18 12	5 0 2 27
S 26 M27 T 28 W29 T 30 F 31	3 31	20 5 2 3	1 25 1 13 2 20 1 5	0 11 54 0 12 3 12 22 0 9 5 12 50 0 6 6 13 17 0 3	4 30 3 23 4 38 3 21 4 45 3 19 4 52 3 17	22 51 0 12 22 52 0 12 22 52 0 11 22 53 0 11	22 19 0 48 22 s18 0n48	22 6 0 32 22 6 0 32 22 6 0 32	6 38 1 38 6 39 1 38 6 40 1 38 6 41 1 38 6 42 1 38 6n42 1 s38	2 50 14 47 2 51 14 47 2 51 14 47 2 52 14 46 2 52 14 46 2n53 14s46	23 21 23 23 22 23 23 22 23 23 22 23	20 18 18 21 18 20 21 18 22 21 18 24	5 4 2 27 5 6 2 27 5 7 2 27 5 8 2 27

Julian Day Number = 2404487.5, Delta T = 1.19 sec Ecliptic obliquity = $23^{\circ}27'21$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'28$, Lahiri = $22^{\circ}03'28$

APRIL 1871 00:00 UT

71 IV	L 10/	-													00.0	0 0 1
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	Р	ß	v	Ç	ķ	Day
S 1	12 35 39	10 Y 49'37	11 Ω 46	14 Y 32	7 8 51	24°R38	20 I I12	9 ප 37	22529	21 ° 5	17 8 35	4°R59	5916	4 Ⅲ 31	7 Υ 24	S 1
S 2	12 39 35	11°48'44	24°49	16°36	9° 4	24 Mp 17	20°20	9°39	22°29	21° 8	17°36	4954	5°13	4°38	7°28	S 2
M 3	12 43 32	12°47'50	8 m)19	18°40	10°17	23°56	20°29	9°41	22°29	21°10	17°37	4°46	5°10	4°44	7°31	M 3
T 4	12 47 28	13°46'53	22°16	20°44	11°30	23°37	20°38	9°42	22°29	21°12	17°38	4°35	5° 7	4°51	7°35	T 4
W 5	12 51 25	14°45'54	6 ₾ 36	22°47	12°43	23°17	20°47	9°44	22°29	21°14	17°39	4°24	5° 4	4°58	7°38	W 5
T 6	12 55 21	15°44'52	21°15	24°50	13°56	22°59	20°56	9°45	22°30	21°17	17°41	4°13	5° 1	5° 4	7°42	T 6
F 7	12 59 18	16°43'49	6 M 5	26°52	15° 9	22°41	21° 5	9°46	22°30	21°19	17°42	4° 2	4°57	5°11	7°46	F 7
S 8	13 3 15	17°42'44	20°56	28°52	16°22	22°23	21°14	9°48	22°30	21°21	17°43	3°55	4°54	5°18	7°49	S 8
S 9	13 7 11	18°41'38	5 √ 41	0 8 51	17°35	22° 6	21°24	9°49	22°31	21°23	17°44	3°50	4°51	5°24	7°53	S 9
M10	13 11 8	19°40'29	20°14	2°47	18°47	21°50	21°33	9°50	22°31	21°26	17°45	3°47	4°48	5°31	7°56	M10
T 11	13 15 4	20°39'19	4 궁 31	4°41	20° 0	21°35	21°43	9°50	22°32	21°28	17°47	3°D47	4°45	5°38	8° 0	T 11
W12	13 19 1	21°38'07	18°30	6°32	21°13	21°20	21°52	9°51	22°33	21°30	17°48	3°R47	4°41	5°44	8° 3	W12
T 13	13 22 57	22°36'53	2≈12	8°20	22°25	21° 6	22° 2	9°52	22°33	21°32	17°49	3°47	4°38	5°51	8° 7	T 13
F 14	13 26 54	23°35'38	15°38	10° 4	23°38	20°52	22°12	9°52	22°34	21°35	17°50	3°45	4°35	5°58	8°11	F 14
S 15	13 30 50	24°34'21	28°49	11°45	24°50	20°40	22°22	9°53	22°35	21°37	17°52	3°40	4°32	6° 4	8°14	S 15
S 16	13 34 47	25°33'02	11) (47	13°22	26° 3	20°28	22°32	9°53	22°36	21°39	17°53	3°33	4°29	6°11	8°18	S 16
M17	13 38 44	26°31'42	24°33	14°55	27°15	20°17	22°43	9°54	22°36	21°42	17°54	3°24	4°26	6°18	8°21	M17
T 18	13 42 40	27°30'19	7 Υ 8	16°23	28°27	20° 7	22°53	9°54	22°37	21°44	17°55	3°12	4°22	6°24	8°25	T 18
W19	13 46 37	28°28'55	19°32	17°46	29°40	19°57	23° 4	9°R54	22°38	21°46	17°57	3° 0	4°19	6°31	8°28	W19
T 20	13 50 33	29°27'29	1846	19° 5	0 Ⅱ 52	19°48	23°14	9°54	22°39	21°48	17°58	2°49	4°16	6°38	8°31	T 20
F 21	13 54 30	0826'01	13°50	20°19	2° 4	19°40	23°25	9°54	22°40	21°51	17°59	2°38	4°13	6°44	8°35	F 21
S 22	13 58 26	1°24'31	25°46	21°28	3°16	19°33	23°35	9°53	22°42	21°53	18° 1	2°30	4°10	6°51	8°38	S 22
S 23	14 2 23	2°22'59	7 Ⅲ 37	22°32	4°28	19°27	23°46	9°53	22°43	21°55	18° 2	2°25	4° 6	6°58	8°42	S 23
M24	14 6 19	3°21'26	19°24	23°31	5°40	19°21	23°57	9°53	22°44	21°57	18° 3	2°21	4° 3	7° 4	8°45	M24
T 25	14 10 16	4°19'50	19911	24°24	6°52	19°17	24° 8	9°52	22°45	22° 0	18° 4	2°D21	4° 0	7°11	8°48	T 25
W26	14 14 12	5°18'12	13° 3	25°12	8° 4	19°13	24°19	9°52	22°47	22° 2	18° 6	2°21	3°57	7°17	8°52	W26
T 27	14 18 9	6°16'32	25° 4	25°55	9°15	19°10	24°30	9°51	22°48	22° 4	18° 7	2°22	3°54	7°24	8°55	T 27
F 28	14 22 6	7°14'50	7 Ω 21	26°32	10°27	19° 7	24°42	9°50	22°49	22° 6	18° 8	2°R22	3°51	7°31	8°58	F 28
S 29	14 26 2	8°13'06	19°57	27° 4	11°39	19° 6	24°53	9°49	22°51	22° 8	18°10	2°22	3°47	7°37	9° 2	S 29
S 30	14 29 59	9811'20	2 m 57	27 8 31	12 II 50	19 m 5	25Ⅱ 4	9 ප 48	22952	22 Y 11	18811	29519	39544	7 Ⅱ 44	9 Υ 5	S 30

Day	0	D	ζ	2	φ	С	3'	2	+	ħ	<u>ι</u>);	f(4	(E	2	n	v	Ç	ď	;
	decl	decl lat	decl	lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n17	20n10 3r	n 1 5n10	0 s 37 14	n11 On 3	5n 5	3n13	22n55	0 s11	22 s18	0n48	22n 6	0n31	6n43	1 s38	2n53	14 s46	23n22	23n21	18n28	5n11	2n27
S 2	4 40		51 6 7	,		-		22 55		22 18	0 48			6 44	1 38					18 30		2 27
M 3 T 4	5 3 5 26		30 7 3 54 8 0	0 17 15 0 6 15	3 0 8 28 0 11	5 18 5 23		22 56 22 57	0 11	22 18 22 18	0 48 0 48			6 45	1 38 1 38	-	-	23 22		18 32 18 34	5 14 5 15	2 27 2 27
W 5	5 49	1 59 5	1 8 56	0 6 13 0n 5 15	-		3 4		0 10		0 48	-		6 46 6 47	1 38			23 23			5 17	2 27
T 6	6 12		48 9 52	0 16 16		5 34	-	22 58	0 10		0 48	-		6 48	1 38		-	23 23			5 18	2 27
F 7	6 35		16 10 47	0 27 16		5 39		22 59	0 10		0 48	-		6 48	1 38			23 24			5 19	2 27
S 8	6 57	14 41 3	26 11 41	0 38 17	7 0 23	5 44	2 57	23 0	0 10	22 18	0 48	22 5	0 31	6 49	1 38	2 57	14 44	23 24	23 22	18 41	5 21	2 27
S 9	7 20		23 12 33	0 50 17			2 54		0 10	,	0 48			6 50	1 38					18 43	5 22	2 27
M10 T 11	7 42		11 13 24 s 4 14 13	1 1 17 1 12 18		5 52 5 56	2 52 2 49	-	0 10 0 10		0 48 0 48	-		6 51 6 52	1 38 1 38			23 24 23 24			5 24	2 26
W12	8 26		s 4 14 13 17 15 1	1 12 18			2 49	23 2 23 3	0 10		0 48	-		6 53	1 38					18 47	5 25 5 26	2 26
T 13	8 48	- '	25 15 46	1 33 19				23 4	0 9		0 48			6 53	1 38			23 24			5 28	2 26
F 14	9 10	19 23 3	23 16 29	1 43 19	21 0 40	6 5	2 41	23 4	0 9		0 48	-	0 31	6 54	1 38	3 0		23 24			5 29	2 26
S 15	9 32	15 47 4	9 17 10	1 53 19	42 0 43	6 8	2 39	23 5	0 9	22 17	0 48	22 5	0 31	6 55	1 38	3 0	14 43	23 24	23 23	18 55	5 30	2 26
S 16	9 53		41 17 48	2 2 20	2 0 46		2 36	-	0 9		0 48		0 31	6 56	1 38					18 57	5 32	2 26
M17 T 18	10 14	-	59 18 24			-	2 33		0 9	,	0 48		0 01	6 57	1 38			23 25			5 33	2 26
W19	10 36 10 57	1 47 5 3n10 4	2 18 57 50 19 27	2 18 20 2 25 20		-	_	23 7 23 8	0 9		0 48 0 48		0 51	6 58 6 58	1 38 1 38	3 1 3 2		23 25 23 25		19 1 19 2	5 35 5 36	2 26 2 26
T 20	11 17		25 19 55						0 8		0 48		0 31	6 59	1 38	3 2		23 26			5 37	2 26
F 21	11 38	12 22 3	49 20 21	2 36 21	35 1 1	6 17	-		0 8	22 17	0 48	22 4	0 31	7 0	1 38	3 3		23 26			5 39	2 26
S 22	11 58	16 16 3	2 20 43	2 40 21	52 1 3	6 17	2 20	23 10	0 8	22 17	0 48	22 3	0 31	7 1	1 38	3 3	14 42	23 26	23 23	19 8	5 40	2 26
S 23	12 19		8 21 3	2 43 22	8 1 6	6 17		23 10	0 8		0 48	-	0 31	7 2	1 38	3 4		23 26			5 41	2 26
M24	12 39		9 21 20	2 46 22		6 17		23 11	0 8		0 48	_		7 3	1 38	3 4		23 26			5 43	2 26
T 25 W26	12 58	23 21 0 23 46 0r	6 21 35 157 21 47	2 47 22 2 47 22		6 16 6 15		23 12 23 12	0 8	1	0 48 0 48	-		7 3 7 4	1 38 1 38	3 5				19 14 19 16	5 44 5 45	2 26 2 26
T 27	13 16		59 21 56		7 1 17	6 14			0 8		0 48			7 5	1 38	3 5				19 17	5 46	2 26
F 28	13 56	21 18 2	57 22 3		21 1 20	6 13			0 7		0 48	22 2	0 31	7 6	1 38	3 6				19 19	5 48	2 26
S 29	14 15	18 26 3	47 22 8	2 41 23	33 1 22	6 11	2 2	23 14	0 7	22 17	0 48	22 2	0 31	7 7	1 38	3 6	14 42	23 26	23 24	19 21	5 49	2 26
S 30	14n34	14n36 4r	n28 22n10	2n37 231	1n25	6n 9	1n59	23n15	0 s 7	22 s17	0n48	22n 1	0n31	7n 7	1 s38	3n 7	14 s42	23n26	23n24	19n23	5n50	2n26

Julian Day Number = 2404518.5, Delta T = 1.12 sec Ecliptic obliquity = $23^{\circ}27'21$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'32$, Lahiri = $22^{\circ}03'33$

MAY 1871 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	'n	Ω	Ç	Ŷ,	Day
M 1	14 33 55	10 8 9'31	16 m 25	27 8 51	14 Ⅱ 1	19°D 5	25耳16	9°R47	22954	22 Y 13	18 8 12	2°R14	39541	7 Ⅱ 51	9Υ 8	M 1
T 2	14 37 52	11° 7'41	0 ჲ 22	28° 7	15°13	19 m 6	25°27	9 ප 46	22°56	22°15	18°14	295 8	3°38	7°57	9°11	T 2
W 3	14 41 48	12° 5'49	14°47	28°17	16°24	19° 7	25°39	9°45	22°57	22°17	18°15	2° 1	3°35	8° 4	9°14	W 3
T 4	14 45 45	13° 3'55	29°34	28°R21	17°35	19° 9	25°51	9°43	22°59	22°19	18°17	1°53	3°32	8°11	9°18	T 4
F 5	14 49 41	14° 1'59	14M 37	28°21	18°46	19°12	26° 3	9°42	23° 1	22°21	18°18	1°46	3°28	8°17	9°21	F 5
S 6	14 53 38	15° 0'02	29°46	28°15	19°58	19°16	26°14	9°40	23° 3	22°23	18°19	1°41	3°25	8°24	9°24	S 6
S 7	14 57 35	15°58'03	14 × 751	28° 5	21° 8	19°20	26°26	9°39	23° 5	22°26	18°21	1°38	3°22	8°31	9°27	S 7
M 8	15 1 31	16°56'03	29°44	27°50	22°19	19°25	26°38	9°37	23° 6	22°28	18°22	1°D37	3°19	8°37	9°30	M 8
T 9	15 5 28	17°54'01	14 궁 18	27°31	23°30	19°31	26°50	9°35	23° 8	22°30	18°23	1°37	3°16	8°44	9°33	T 9
W10	15 9 24	18°51'58	28°30	27° 8	24°41	19°37	27° 2	9°33	23°10	22°32	18°25	1°39	3°12	8°51	9°36	W10
T 11	15 13 21	19°49'54	12≈19	26°41	25°52	19°44	27°15	9°31	23°12	22°34	18°26	1°40	3° 9	8°57	9°39	T 11
F 12	15 17 17	20°47'48	25°45	26°12	27° 2	19°52	27°27	9°29	23°15	22°36	18°27	1°R40	3° 6	9° 4	9°42	F 12
S 13	15 21 14	21°45'42	8 ∺ 51	25°40	28°13	20° 0	27°39	9°27	23°17	22°38	18°29	1°38	3° 3	9°11	9°45	S 13
S 14	15 25 10	22°43'33	21°39	25° 7	29°23	20° 9	27°51	9°25	23°19	22°40	18°30	1°35	3° 0	9°17	9°48	S 14
M15	15 29 7	23°41'24	4 Υ 12	24°32	0933	20°18	28° 4	9°22	23°21	22°42	18°31	1°30	2°57	9°24	9°50	M15
T 16	15 33 4	24°39'14	16°32	23°57	1°44	20°28	28°16	9°20	23°23	22°44	18°33	1°25	2°53	9°31	9°53	T 16
W17	15 37 0	25°37'02	28°43	23°22	2°54	20°39	28°29	9°17	23°26	22°46	18°34	1°18	2°50	9°37	9°56	W17
T 18	15 40 57	26°34'49	10844	22°48	4° 4	20°51	28°41	9°15	23°28	22°48	18°35	1°12	2°47	9°44	9°59	T 18
F 19 S 20	15 44 53 15 48 50	27°32'35 28°30'19	22°40 4 Ⅲ 30	22°14 21°43	5°14 6°24	21° 2 21°15	28°54 29° 7	9°12 9° 9	23°30 23°33	22°50 22°52	18°37 18°38	1° 6 1° 2	2°44 2°41	9°51 9°57	10° 1 10° 4	F 19 S 20
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S 21	15 52 46	29°28'02	16°18	21°14	7°33	21°28	29°19	9° 6	23°35	22°54	18°39	1° 0	2°38	10° 4	10° 7	S 21
M22	15 56 43	0∏25'44	28° 5	20°48	8°43	21°42	29°32	9° 4	23°38	22°56	18°41	0°D58	2°34	10°11	10° 9	M22
T 23	16 0 39	1°23'24	9954	20°24	9°53	21°56	29°45	9° 1	23°40	22°58	18°42	0°59	2°31	10°17	10°12	T 23
W24	16 4 36	2°21'03	21°49	20° 5	11° 2	22°10	29°58	8°58	23°43	23° 0	18°43	1° 0 1° 2	2°28	10°24	10°14	W24
T 25 F 26	16 8 33 16 12 29	3°18'41 4°16'17	3 Ω 53 16°11	19°49 19°37	12°12 13°21	22°26 22°41	0 © 11 0°24	8°54 8°51	23°45 23°48	23° 1 23° 3	18°45 18°46	1° 2 1° 3	2°25 2°22	10°31 10°37	10°17 10°19	T 25 F 26
S 27	16 12 29	5°13'51	28°46	19°37	13°21 14°30	22°57	0°24 0°37	8°48	23°48 23°51	23° 5	18°46 18°47	1° 3	2°18	10°37 10°44	10°19	S 27
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S 28	16 20 22	6°11'25	11 m 43	19°D26	15°39	23°14	0°50	8°45	23°54	23° 7	18°49	1°R 4	2°15	10°51	10°24	S 28
M29	16 24 19	7° 8'56	25° 5	19°28	16°48	23°31	1° 3	8°41	23°56	23° 9	18°50	1° 3	2°12	10°57	10°26	M29
T 30	16 28 15	8° 6'27	8 <u>0</u> 55	19°33	17°57	23°49	1°16	8°38	23°59	23°10	18°51	1° 1	2° 9	11° 4	10°29	T 30
W31	16 32 12	9Ⅱ 3'56	23 ₽ 12	19 8 43	1995 5	24 Mp 7	19529	8 궁 34	2499 2	23 Y 12	18 8 53	0959	295 6	11 I I1	10 Y 31	W31

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M 1 T 2 W 3 T 4	14n52 15 11 15 29 15 46	9n54 4n56 4 33 5 7 1s13 5 0 7 5 4 33	22 6 2 22 0 2	2 24 24 7 1 2 16 24 17 1	127 6n 7 30 6 4 32 6 1 35 5 58	1 54 1 51	23 16	0s 7 0 7 0 7 0 7	22 18 22 18	0n48 0 48 0 48 0 48	22 0		7n 8 1s38 7 9 1 38 7 10 1 38 7 11 1 38	3 8 14 41 3 8 14 41	23n26 23 26 23 26 23 27	23 24 23 24	19 27 19 29	5n52 5 53 5 54 5 55	2n26 2 26 2 26 2 26
F 5 S 6	-	12 38 3 46	21 42	1 57 24 35 1	37 5 55 39 5 51	1 46	23 17	0 7 0 7	22 18	0 48 0 48	22 0	0 31	7 11 1 38 7 12 1 38	3 9 14 41	23 27 23 27	23 25	19 32	5 57 5 58	2 26 2 26
S 7 M 8 T 9 W10 T 11 F 12 S 13	17 11 17 27 17 42 17 58	23 17 0 10 23 49 1s 8 22 46 2 21 20 22 3 23 16 54 4 12	20 58 20 40 20 20 19 58 19 35	1 19 24 57 1 1 5 25 3 1 0 49 25 9 1 0 33 25 13 1 0 16 25 17 1	41 5 47 44 5 43 46 5 38 48 5 34 50 5 29 52 5 24 54 5 18	1 39 1 37 1 34 1 32 1 30	23 18 23 18 23 19 23 19 23 20 23 20 23 20	0 6 0 6 0 6 0 6 0 6 0 6	22 18 22 19 22 19 22 19 22 19	0 48 0 48 0 48 0 48 0 48	21 59 21 59 21 58 21 58 21 58 21 57 21 57	0 31 0 31 0 31	7 13 1 38 7 14 1 38 7 14 1 38 7 15 1 38 7 16 1 38 7 17 1 38 7 17 1 38	3 10 14 41 3 10 14 41 3 11 14 41 3 11 14 41 3 11 14 41	23 27 23 27 23 27 23 27 23 27 23 27	23 25 23 25 23 25 23 25 23 25 23 25	19 38 19 40 19 41 19 43 19 45	5 59 6 0 6 1 6 3 6 4 6 5 6 6	2 26 2 26 2 26 2 26 2 26 2 26 2 26 2 26
S 14 M15 T 16 W17 T 18 F 19 S 20	19 38	3 4 5 10 1n53 5 0 6 43 4 36 11 15 4 0	18 20 (17 55 (17 29 17 4 16 40 17 18 18 20 (17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 18 25 23 1 0 36 25 24 1 0 53 25 25 1 1 11 25 26 2 1 27 25 25 2 1 44 25 24 2 2 0 25 23 2	55 5 13 57 5 7 59 5 1 0 4 55 2 4 48 3 4 41 5 4 35	1 23 1 21 1 18 1 16 1 14	23 21 23 21 23 21 23 21 23 22 23 22 23 22 23 22	0 6 0 6 0 5 0 5 0 5 0 5 0 5	22 20 22 20 22 20 22 20 22 20 22 20	0 48 0 48 0 48 0 48 0 48	21 56 21 55	0 31 0 31 0 31	7 18 1 38 7 19 1 38 7 19 1 38 7 20 1 39 7 21 1 39 7 22 1 39 7 22 1 39	3 12 14 41 3 13 14 41 3 13 14 41 3 13 14 41 3 14 14 41	23 27 23 27 23 27 23 27 23 27 23 27	23 25 23 25 23 26 23 26 23 26	19 50 19 52 19 54 19 56 19 57	6 7 6 8 6 10 6 11 6 12 6 13 6 14	2 26 2 26 2 26 2 26 2 26 2 26 2 26 2 26
S 21 M22 T 23 W24 T 25 F 26 S 27	20 15 20 27 20 39 20 50	23 11 0 16 23 54 0n49 23 32 1 52 22 4 2 51 19 33 3 44	15 34 3 15 15 3 14 58 3 14 43 3 14 31 3	2 15 25 20 2 2 29 25 17 2 2 42 25 13 2 2 54 25 9 2 3 6 25 4 2 3 16 24 58 2 3 24 24 51 2	6 4 27 7 4 20 8 4 13 9 4 5 10 3 57 11 3 49 12 3 41	1 8 1 6 1 4 1 2 1 0	23 22 23 22 23 23 23 23 23 23 23 23 23 23 23 23	0 4	22 21 22 21	0 48 0 48 0 48 0 48 0 48	21 54 21 53 21 53 21 52 21 52 21 51 21 51	0 30	7 23 1 39 7 24 1 39 7 24 1 39 7 25 1 39 7 26 1 39 7 26 1 39 7 27 1 39	3 15 14 41 3 15 14 41 3 15 14 41 3 16 14 41 3 16 14 41	23 27 23 27 23 27 23 27 23 27 23 27	23 26 23 26 23 26 23 26 23 26	20 3 20 5 20 6 20 8 20 10	6 15 6 16 6 17 6 18 6 19 6 20 6 21	2 26 2 26 2 26 2 26 2 27 2 27 2 27
M29 T 30	21 21 21 31 21 40 21n49	6 45 5 13 1 15 5 12	14 6 14 2	3 39 24 36 2 3 44 24 28 2	13 3 33 13 3 24 14 3 15 n14 3n 7	0 54 0 52	23 23 23 23 23 23 23n23	0 4	22 22 22 23 22 23 22 s23	0 48 0 48	21 50 21 50 21 50 21 n49	0 30 0 30	7 27 1 39 7 28 1 39 7 29 1 39 7n29 1 s39	3 17 14 41 3 17 14 42	23 27 23 27	23 26 23 26	20 15 20 17	6 22 6 23 6 24 6n25	2 27 2 27 2 27 2n27

Julian Day Number = 2404548.5, Delta T = 1.05 sec Ecliptic obliquity = $23^{\circ}27'21$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'36$, Lahiri = $22^{\circ}03'37$

JUNE 1871 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	u	Ω	Ç	ę,	Day
T 1	16 36 8	10耳 1'23	7 M 54	19 8 58	20914	24 Mp 25	19542	8°R31	2499 5	23 Y 14	18 8 54	0°R56	299 3	11 I I7	10 Y 33	T 1
F 2	16 40 5	10°58'50	22°54	20°17	21°22	24°44	1°55	8 궁 27	24° 8	23°15	18°55	0953	1°59	11°24	10°35	F 2
S 3	16 44 2	11°56'16	8 ∡ 6	20°41	22°31	25° 4	2° 8	8°23	24°11	23°17	18°56	0°52	1°56	11°30	10°37	S 3
S 4	16 47 58	12°53'41	23°19	21° 8	23°39	25°23	2°22	8°20	24°13	23°19	18°58	0°51	1°53	11°37	10°40	S 4
M 5	16 51 55	13°51'05	8 ප 23	21°40	24°47	25°44	2°35	8°16	24°16	23°20	18°59	0°D51	1°50	11°44	10°42	M 5
T 6	16 55 51	14°48'28	23°11	22°17	25°55	26° 4	2°48	8°12	24°19	23°22	19° 0	0°51	1°47	11°50	10°44	T 6
W 7	16 59 48	15°45'50	7≈37	22°57	27° 2	26°25	3° 1	8° 8	24°22	23°23	19° 1	0°53	1°44	11°57	10°46	W 7
T 8	17 3 44	16°43'12	21°37	23°41	28°10	26°47	3°15	8° 4	24°26	23°25	19° 3	0°54	1°40	12° 4	10°47	T 8
F 9	17 741	17°40'34	5) 10	24°29	29°18	27° 8	3°28	8° 0	24°29	23°26	19° 4	0°54	1°37	12°10	10°49	F 9
S 10	17 11 38	18°37'54	18°19	25°21	0∕Ω25	27°30	3°42	7°56	24°32	23°28	19° 5	0°R55	1°34	12°17	10°51	S 10
S 11	17 15 34	19°35'15	1 Y 6	26°17	1°32	27°53	3°55	7°52	24°35	23°29	19° 6	0°54	1°31	12°24	10°53	S 11
M12	17 19 31	20°32'34	13°34	27°16	2°39	28°16	4° 8	7°48	24°38	23°31	19° 7	0°54	1°28	12°30	10°55	M12
T 13	17 23 27	21°29'54	25°48	28°19	3°46	28°39	4°22	7°44	24°41	23°32	19° 9	0°53	1°24	12°37	10°56	T 13
W14	17 27 24	22°27'13	7 엉 50	29°25	4°53	29° 3	4°35	7°40	24°44	23°34	19°10	0°51	1°21	12°44	10°58	W14
T 15	17 31 20	23°24'32	19°44	0Д35	5°59	29°26	4°49	7°36	24°48	23°35	19°11	0°50	1°18	12°50	10°59	T 15
F 16	17 35 17	24°21'50	1 Ⅲ 33	1°48	7° 6	29°51	5° 2	7°31	24°51	23°36	19°12	0°50	1°15	12°57	11° 1	F 16
S 17	17 39 13	25°19'08	13°21	3° 5	8°12	0 ≏ 15	5°16	7°27	24°54	23°38	19°13	0°49	1°12	13° 4	11° 2	S 17
S 18	17 43 10	26°16'25	25° 9	4°25	9°18	0°40	5°29	7°23	24°58	23°39	19°14	0°D49	1° 9	13°10	11° 4	S 18
M19	17 47 7	27°13'42	6 9 59	5°48	10°24	1° 5	5°43	7°19	25° 1	23°40	19°16	0°49	1° 5	13°17	11° 5	M19
T 20	17 51 3	28°10'59	18°55	7°15	11°29	1°31	5°57	7°14	25° 4	23°41	19°17	0°49	1° 2	13°24	11° 7	T 20
W21	17 55 0	29° 8'15	0 Ω 58	8°44	12°35	1°57	6°10	7°10	25° 8	23°42	19°18	0°49	0°59	13°30	11°8	W21
T 22	17 58 56	09 5'30	13°11	10°17	13°40	2°23	6°24	7° 6	25°11	23°44	19°19	0°49	0°56	13°37	11° 9	T 22
F 23	18 2 53	1° 2'45	25°36	11°53	14°45	2°49	6°37	7° 1	25°15	23°45	19°20	0°R49	0°53	13°44	11°10	F 23
S 24	18 6 49	1°59'59	8 m)16	13°32	15°50	3°16	6°51	6°57	25°18	23°46	19°21	0°49	0°50	13°50	11°11	S 24
S 25	18 10 46	2°57'12	21°15	15°14	16°55	3°43	7° 5	6°52	25°21	23°47	19°22	0°49	0°46	13°57	11°13	S 25
M26	18 14 42	3°54'25	4 ≏ 34	16°59	17°59	4°10	7°18	6°48	25°25	23°48	19°23	0°D49	0°43	14° 3	11°14	M26
T 27	18 18 39	4°51'38	18°16	18°48	19° 4	4°38	7°32	6°44	25°28	23°49	19°24	0°49	0°40	14°10	11°15	T 27
W28	18 22 36	5°48'50	2 M 21	20°39	20° 8	5° 6	7°45	6°39	25°32	23°50	19°25	0°49	0°37	14°17	11°15	W28
T 29	18 26 32	6°46'02	16°48	22°32	21°11	5°34	7°59	<u>6</u> °35	25°35	23°51	19°26	0°50	0°34	14°23	11°16	T 29
F 30	18 30 29	79543'13	1 ~ 34	24∏28	$22\Omega15$	6 ♀ 2	89513	6 ප 30	25939	23 Y 52	19827	0950	0ഇ30	14∏30	11 Y 17	F 30

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T 1 F 2 S 3	21n58 22 6 22 14	15 22 3 13	2 14n 1 5 14 4 2 14 9	3 54 2	-	2n58 2 48 2 39	0 47	23n23 23 23 23 23	0 4	22 s23 22 24 22 24	0 48	21n48 21 48 21 47		7n30 7 30 7 31	1 s39 1 39 1 39	3n17 14s 3 18 14 3 18 14	42 23 27	23 26	20 22	6 27	2n27 2 27 2 27
S 4 M 5 T 6 W 7 T 8		23 53 0s42 23 27 2 21 26 3 10	14 49	3 54 2 3 52 2 3 50 2	23 24 2 15 23 11 2 15	2 30 2 20 2 10 2 0 1 50	0 41 0 40 0 38	23 23 23 22 23 22 23 22 23 22 23 22	0 3 0 3 0 3 0 3 0 3	22 25 22 25 22 25	0 47 0 47 0 47		0 30 0 30	7 32 7 32 7 33 7 33 7 34	1 39 1 39 1 39 1 39 1 39	3 18 14 4 3 19 14 4 3 19 14 4 3 19 14 4 3 19 14 4 5 3 19 14 5 19 14 5	42 23 27 42 23 27 42 23 27	23 27 23 27 23 27	20 27 20 29 20 31	6 29 6 30 6 31	2 27 2 27 2 27 2 27 2 27 2 27
F 9 S 10	22 53 22 58	_	15 19 15 36	_	-	1 40 1 30		23 22 23 21	0 3 0 3	22 26 22 26		21 44 21 44	0 30 0 30	7 34 7 35	1 39 1 39	3 19 14 3 19 14	42 23 27 43 23 27				2 27 2 27
S 11 M12 T 13 W14 T 15 F 16 S 17	23 20	0n37 5 9 5 30 4 48 10 8 4 14 14 20 3 29	17 42	3 25 2 3 18 2 3 11 2 3 2 2 2 54 2	21 42 2 11 21 26 2 10 21 9 2 9 20 51 2 8 20 33 2 6	1 19 1 9 0 58 0 47 0 36 0 25 0 14	0 30 0 28 0 27 0 25 0 24	23 21 23 20 23 20 23 20 23 20 23 19 23 19	0 3 0 3 0 3 0 2 0 2 0 2 0 2	22 27 22 27 22 27 22 28 22 28	0 47 0 47 0 47 0 47 0 47	21 43 21 42 21 42 21 41 21 41 21 40 21 40	0 30 0 30 0 30 0 30 0 30	7 35 7 36 7 36 7 37 7 37 7 37 7 38	1 40 1 40 1 40 1 40 1 40 1 40 1 40	3 20 14 3 20 14	43 23 27 43 23 27 43 23 27 43 23 27 43 23 27	23 27 23 27 23 27 23 27 23 27	20 39 20 41 20 42 20 44 20 46	6 35 6 35 6 36 6 37 6 37	2 27 2 27 2 27 2 27 2 28 2 28 2 28 2 28
S 18 M19 T 20 W21 T 22 F 23 S 24	23 27 23 27	23 50 0n34 23 45 1 35 22 33 2 40 20 18 3 34 17 4 4 20	19 45	2 25 2 14 2 3 1 52 1 41	19 55 2 3 19 36 2 2 19 16 2 0 18 56 1 58 18 35 1 56 18 14 1 54 17 52 1 51	0 3 0s 8 0 20 0 32 0 43 0 55 1 7	0 19 0 18 0 16 0 15 0 13	23 18 23 18 23 17 23 17 23 16 23 16 23 15	0 2 0 2 0 2 0 2 0 2 0 2 0 2	22 29 22 29 22 29 22 30 22 30	0 47 0 47 0 46 0 46 0 46	21 39 21 38 21 38 21 37 21 36 21 36 21 35	0 30 0 30 0 30 0 30	7 38 7 39 7 39 7 40 7 40 7 40 7 41	1 40 1 40 1 40 1 40 1 40 1 40 1 40	3 21 14 3 21 14 3 21 14 3 21 14	14 23 27 14 23 27 14 23 27 14 23 27	23 27 23 27 23 27 23 27 23 27 23 27	20 51 20 52 20 54 20 56 20 57	6 39 6 40 6 40 6 41 6 42	2 28 2 28 2 28 2 28 2 28 2 28 2 28 2 28
S 25 M26 T 27 W28 T 29 F 30	23 25 23 24 23 22 23 20 23 17 23n14	3 2 5 17 2s29 5 3 8 3 4 3 13 20 3 4	22 6	0 54 0 42 0 30	17 8 1 46 16 46 1 44 16 23 1 41 15 59 1 38	1 19 1 31 1 43 1 55 2 8 2 s20	0 9 0 8 0 7 0 5	23 13 23 13	0 1 0 1 0 1 0 1 0 1 0 s 1	22 31 22 31 22 31	0 46 0 46 0 46 0 46	21 35 21 34 21 33 21 33 21 32 21n31	0 30 0 30 0 30	7 41 7 41 7 42 7 42 7 42 7 142 7 143	1 40 1 40 1 40 1 40 1 40 1 s41	3 22 14 3 22 14	45 23 27 45 23 27 45 23 27 46 23 27	23 27 23 27 23 27 23 27	21 2 21 4 21 5 21 7	6 43 6 43 6 44 6 44	2 28 2 28 2 28 2 28 2 28 2 28 2 n29

Julian Day Number = 2404579.5, Delta T = 0.98 sec Ecliptic obliquity = 23°27'21, Nutation = -0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°56'41, Lahiri = 22°03'41

JULY 1871 00:00 UT

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S 1	18 34 25	8940'24	16 ₹ 33	26Ⅲ27	23 \O 18	6 ₽ 31	8926	6°R26	259542	23 Y 53	19828	0951	0927	14 Ⅲ 37	11 Y 18	S 1
S 2	18 38 22	9°37'35	1 궁 38	28°28	24°21	6°59	8°40	6 ප 21	25°46	23°54	19°29	0°R51	0°24	14°43	11°19	S 2
M 3	18 42 18	10°34'46	16°40	09931	25°24	7°28	8°54	6°17	25°50	23°54	19°30	0°51	0°21	14°50	11°19	M 3
T 4	18 46 15	11°31'57	1≈30	2°36	26°26	7°58	9° 7	6°13	25°53	23°55	19°31	0°50	0°18	14°57	11°20	T 4
W 5	18 50 11	12°29'08	16° 2	4°42	27°29	8°27	9°21	6° 8	25°57	23°56	19°32	0°49	0°15	15° 3	11°21	W 5
T 6	18 54 8	13°26'19	0) 10	6°50	28°31	8°57	9°34	6° 4	26° 0	23°57	19°32	0°47	0°11	15°10	11°21	T 6
F 7	18 58 5	14°23'30	13°51	8°58	29°32	9°27	9°48	5°59	26° 4	23°57	19°33	0°46	0° 8	15°17	11°21	F 7
S 8	19 2 1	15°20'42	27° 6	11°8	0 m 33	9°57	10° 2	5°55	26° 8	23°58	19°34	0°45	0° 5	15°23	11°22	S 8
S 9	19 5 58	16°17'54	9 Υ 56	13°17	1°34	10°28	10°15	5°51	26°11	23°59	19°35	0°44	0° 2	15°30	11°22	S 9
M10	19 9 54	17°15'06	22°25	15°27	2°35	10°58	10°29	5°46	26°15	23°59	19°36	0°D44	29耳59	15°37	11°23	M10
T 11	19 13 51	18°12'19	4 8 37	17°36	3°35	11°29	10°42	5°42	26°19	24° 0	19°37	0°45	29°56	15°43	11°23	T 11
W12	19 17 47	19° 9'33	16°36	19°45	4°36	12° 0	10°56	5°38	26°22	24° 0	19°37	0°46	29°52	15°50	11°23	W12
T 13	19 21 44	20° 6'47	28°27	21°54	5°35	12°32	11° 9	5°34	26°26	24° 1	19°38	0°47	29°49	15°57	11°23	T 13
F 14	19 25 40	21° 4'02	10 Ⅱ 15	24° 1	6°35	13° 3	11°23	5°29	26°29	24° 1	19°39	0°49	29°46	16° 3	11°23	F 14
S 15	19 29 37	22° 1'17	22° 2	26° 8	7°33	13°35	11°36	5°25	26°33	24° 2	19°40	0°50	29°43	16°10	11°R23	S 15
S 16	19 33 34	22°58'33	3953	28°13	8°32	14° 7	11°50	5°21	26°37	24° 2	19°40	0°R50	29°40	16°17	11°23	S 16
M17	19 37 30	23°55'49	15°51	0Ω 17	9°30	14°39	12° 3	5°17	26°40	24° 3	19°41	0°49	29°36	16°23	11°23	M17
T 18	19 41 27	24°53'06	27°56	2°19	10°28	15°11	12°17	5°13	26°44	24° 3	19°42	0°47	29°33	16°30	11°23	T 18
W19	19 45 23	25°50'23	10 Ω 12	4°20	11°25	15°44	12°30	5° 9	26°48	24° 3	19°42	0°44	29°30	16°36	11°23	W19
T 20	19 49 20	26°47'41	22°40	6°19	12°22	16°17	12°44	5° 5	26°52	24° 4	19°43	0°40	29°27	16°43	11°23	T 20
F 21	19 53 16	27°44'59	5 m 20	8°17	13°19	16°50	12°57	5° 1	26°55	24° 4	19°44	0°36	29°24	16°50	11°22	F 21
S 22	19 57 13	28°42'17	18°14	10°13	14°15	17°23	13°10	4°57	26°59	24° 4	19°44	0°32	29°21	16°56	11°22	S 22
S 23	20 1 9	29°39'36	1 ≏ 22	12° 7	15°10	17°56	13°24	4°53	27° 3	24° 4	19°45	0°28	29°17	17° 3	11°22	S 23
M24	20 5 6	0 ん 36'55	14°46	14° 0	16° 5	18°29	13°37	4°50	27° 6	24° 5	19°45	0°26	29°14	17°10	11°21	M24
T 25	20 9 3	1°34'14	28°26	15°51	17° 0	19° 3	13°50	4°46	27°10	24° 5	19°46	0°D25	29°11	17°16	11°21	T 25
W26	20 12 59	2°31'34	12 M 22	17°40	17°54	19°37	14° 3	4°42	27°14	24° 5	19°46	0°25	29° 8	17°23	11°20	W26
T 27	20 16 56	3°28'55	26°34	19°27	18°47	20°11	14°17	4°39	27°17	24° 5	19°47	0°27	29° 5	17°30	11°19	T 27
F 28	20 20 52	4°26'15	11 🗷 1	21°13	19°40	20°45	14°30	4°35	27°21	24°R 5	19°47	0°28	29° 2	17°36	11°19	F 28
S 29	20 24 49	5°23'37	25°39	22°57	20°32	21°19	14°43	4°32	27°25	24° 5	19°48	0°R29	28°58	17°43	11°18	S 29
S 30	20 28 45	6°20'59	10 조 24	24°39	21°24	21°54	14°56	<u>4°28</u>	27°28	24° 5	19°48	0°29	28°55	1 <u>7</u> °50	11°17	S 30
M31	20 32 42	7 Ω 18'22	25 궁 9	26 Ω 20	22 m 15	22 £ 28	1599 9	4 る 25	27932	24 Y 5	19 8 49	0ණ27	28∏52	17 Ⅱ 56	11 Y 17	M31

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S 1	23n10	21 s28	1n19	23n18	0s 6	15n12	1n31	2 s33	0n 3	23n10	0 s 1	22 s32	0n46	21n31	0n30	7n43	1 s41	3n22	14 s46	23n27	23n27	21n10	6n45	2n29
S 2	23 6	23 31 (0s 4	23 32	0n 5	14 48	1 28	2 45		23 10	0 1	22 33	0 46	21 30	0 30	7 43	1 41					21 12	6 45	2 29
M 3	23 2			23 43	0 16	14 23	1 25	2 58		23 9	0 1			21 29		7 43	1 41					21 13	6 46	2 29
T 4				23 52 23 59	0 27 0 37	13 59 13 34	1 21 1 17	3 11 3 23	0s 1 0 2	23 8 23 7	0 1			21 29 21 28		7 44	1 41					21 15 21 16	6 46	2 29 2 29
T 6	22 47		4 33		0 46	13 34	1 17	3 36	0 2		0 (21 28	0 30	7 44 7 44	1 41 1 41					21 18	6 46 6 47	2 29
F 7	22 41		5 3		0 56	12 43	1 9	3 49	0 5			22 34		21 27	0 30	7 44	1 41					21 20	6 47	2 29
S 8	22 34	5 59 5	5 16	24 3	1 4	12 18	1 5	4 2	0 6	23 4	0 (22 34	0 45	21 26	0 30	7 44	1 41	3 22	14 48	23 27	23 27	21 21	6 47	2 29
S 9	22 28	0 51 5	5 13	23 59	1 12	11 52	1 1	4 15	0 7	23 4	0 (22 35	0 45	21 25	0 30	7 45	1 41	3 22	14 48	23 27	23 27	21 23	6 47	2 29
M10	22 21	-	-	23 52	1 19	11 26	0 56	4 28	0 8		0n (21 25	0 30	7 45	1 41			23 27			6 47	2 29
T 11	22 13			23 42	1 25	11 0	0 52	4 41		23 2		22 35		21 24	0 30	7 45	1 41					21 26	6 48	2 29
W12 T 13	22 5 21 57			23 30 23 15	1 31 1 35	10 34 10 7	0 47 0 42	4 54 5 8	0 10 0 11			22 36		21 23 21 23		7 45 7 45	1 41 1 41			23 27 23 27			6 48 6 48	2 29 2 29
				22 57	1 40	9 41	0 37	5 21		22 58		22 36		21 22		7 45	1 41			23 27			6 48	2 29
S 15	21 39			22 37	1 43	9 14	0 32	5 34		22 57		22 36	0 44	21 21	0 30	7 45	1 41	3 22	14 49	23 27	23 27	21 32	6 48	2 30
S 16	21 30	23 41 (0n17	22 15	1 45	8 47	0 27	5 48	0 15	22 56	0 1	22 37	0 44	21 20	0 30	7 46	1 42	3 22	14 49	23 27	23 27	21 34	6 48	2 30
M17	-		1 22		1 47	8 20	0 21	6 1		22 55	0 1			21 20		7 46	1 42					21 35	6 48	2 30
				21 25	1 48	7 53	0 16	6 15		22 54				21 19		7 46	1 42					21 37	6 48	2 30
T 20	21 0			20 57 20 27	1 49 1 48	7 26 6 59	0 10 0 4	6 28 6 42		22 53 22 52	0 1			21 18 21 18		7 46 7 46	1 42 1 42					21 38 21 40	6 48 6 48	2 30 2 30
F 21				19 56	1 47	6 32	0s 2	6 55		22 51	-	22 38		21 17		7 46	1 42			23 27			6 48	2 30
S 22	20 26	9 21 5	5 6	19 24	1 46	6 5	0 8	7 9	0 21	22 49	0 1	22 38	0 44	21 16	0 30	7 46	1 42	3 21	14 51	23 27	23 27	21 43	6 48	2 30
S 23	20 14	4 15	5 13	18 50	1 44	5 37	0 14	7 23	0 22	22 48	0 1	22 39	0 43	21 16	0 30	7 46	1 42	3 21	14 51	23 27	23 27	21 44	6 48	2 30
M24	20 2			18 15	1 41	5 10	0 21	7 36		22 47	0 1			21 15		7 46	1 42					21 46	6 48	2 30
T 25	19 49			17 39	1 38	4 43	0 28	7 50	0 24		0 1			21 14		7 46	1 42			23 27			6 48	2 30
W26 T 27				17 2 16 25	1 34 1 30	4 16 3 49	0 34 0 41	8 4 8 17		22 44 22 43	$\begin{bmatrix} 0 & 2 \\ 0 & 2 \end{bmatrix}$			21 13 21 13		7 46 7 46	1 42 1 42					21 49 21 50	6 47 6 47	2 30 2 30
F 28				15 47	1 25	3 21	0 41	8 31		22 43	0 2			21 13		7 46	1 42			23 27			6 47	2 30
S 29			0 26		1 20	2 54	0 55	8 45		22 40		22 40		21 11	0 30	7 46	1 42			23 27			6 47	2 30
S 30	18 42	23 57	0s54	14 29	1 14	2 27	1 3	8 59	0 29	22 39	0 2	22 40	0 43	21 11	0 30	7 46	1 42	3 20	14 53	23 27	23 27	21 55	6 47	2 30
M31	18n27	23 s15	2s10	13n49	1n 8	2n 0	1 s 1 0	9 s 1 3	0 s 3 0	22n38	0n 2	22 s41	0n42	21n10	0n30	7n46	1 s42	3n20	14 s53	23n27	23n27	21n56	6n46	2n31

 $\label{eq:Julian Day Number = 2404609.5, Delta T = 0.91 sec} \\ \text{Ecliptic obliquity = } 23°27'21, \text{Nutation = -0°00'17, out-of-bounds declination in red} \\$

Ayanamsha: Fagan/Bradley = 22°56'45, Lahiri = 22°03'45

AUGUST 1871 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)Å(并	Р	ß	Ω	Ç	ę,	Day
T 1	20 36 39	8 Ω 15'45	9≈48	27 Ω 59	23 mg 5	23 º 3	159522	4°R22	27935	24°R 5	19849	0°R23	28∏49	18耳 3	11°R16	T 1
W 2	20 40 35	9°13'09	24°14	29°36	23°55	23°38	15°35	4 궁 18	27°39	24 Y 4	19°49	09518	28°46	18°10	11 Y 15	W 2
T 3	20 44 32	10°10'35	8)(20	1 m) 1 1	24°43	24°13	15°48	4°15	27°43	24° 4	19°50	0°12	28°42	18°16	11°14	T 3
F 4	20 48 28	11° 8'01	22° 2	2°45	25°31	24°49	16° 1	4°12	27°46	24° 4	19°50	0° 6	28°39	18°23	11°13	F 4
S 5	20 52 25	12° 5'29	5 Υ 20	4°18	26°19	25°24	16°14	4° 9	27°50	24° 4	19°50	29 II 59	28°36	18°29	11°12	S 5
S 6	20 56 21	13° 2'57	18°12	5°48	27° 5	26° 0	16°27	4° 6	27°54	24° 4	19°51	29°56	28°33	18°36	11°11	S 6
M 7	21 0 18	14° 0'27	0 8 43	7°17	27°51	26°35	16°39	4° 3	27°57	24° 3	19°51	29°53	28°30	18°43	11° 9	M 7
T 8	21 4 14	14°57'59	12°56	8°44	28°36	27°11	16°52	4° 0	28° 1	24° 3	19°51	29°D52	28°27	18°49	11° 8	T 8
W 9	21 8 11	15°55'32	24°55	10°10	29°20	27°47	17° 5	3°58	28° 4	24° 3	19°52	29°52	28°23	18°56	11° 7	W 9
T 10	21 12 7	16°53'06	6 Ⅱ 46	11°33	0 º 3	28°23	17°17	3°55	28° 8	24° 2	19°52	29°53	28°20	19° 3	11° 6	T 10
F 11	21 16 4	17°50'42	18°34	12°55	0°45	29° 0	17°30	3°52	28°11	24° 2	19°52	29°55	28°17	19° 9	11° 4	F 11
S 12	21 20 1	18°48'19	0923	14°15	1°26	29°36	17°43	3°50	28°15	24° 1	19°52	29°R55	28°14	19°16	11° 3	S 12
S 13	21 23 57	19°45'57	12°19	15°34	2° 6	0 M .13	17°55	3°48	28°18	24° 1	19°52	29°54	28°11	19°23	11° 1	S 13
M14	21 27 54	20°43'37	24°24	16°50	2°45	0°50	18° 8	3°45	28°22	24° 0	19°52	29°51	28° 8	19°29	11° 0	M14
T 15	21 31 50	21°41'18	6 Ω 41	18° 5	3°23	1°26	18°20	3°43	28°25	24° 0	19°53	29°46	28° 4	19°36	10°58	T 15
W16	21 35 47	22°39'01	19°13	19°17	4° 0	2° 3	18°32	3°41	28°29	23°59	19°53	29°39	28° 1	19°43	10°57	W16
T 17	21 39 43	23°36'45	1 m 59	20°27	4°35	2°41	18°45	3°39	28°32	23°59	19°53	29°30	27°58	19°49	10°55	T 17
F 18	21 43 40	24°34'30	15° 1	21°35	5°10	3°18	18°57	3°37	28°36	23°58	19°53	29°21	27°55	19°56	10°54	F 18
S 19	21 47 36	25°32'16	28°16	22°41	5°43	3°55	19° 9	3°35	28°39	23°57	19°53	29°11	27°52	20° 3	10°52	S 19
S 20	21 51 33	26°30'04	11 ≏ 43	23°45	6°14	4°33	19°21	3°33	28°42	23°57	19°R53	29° 3	27°48	20° 9	10°50	S 20
M21	21 55 30	27°27'53	25°21	24°46	6°44	5°11	19°33	3°31	28°46	23°56	19°53	28°57	27°45	20°16	10°48	M21
T 22	21 59 26	28°25'43	9 ™ 8	25°44	7°13	5°49	19°45	3°30	28°49	23°55	19°53	28°53	27°42	20°22	10°46	T 22
W23	22 3 23	29°23'34	23° 5	26°40	7°40	6°27	19°57	3°28	28°52	23°54	19°53	28°52	27°39	20°29	10°44	W23
T 24	22 7 19	0 m) 21'27	7 ,₹ 9	27°32	8° 6	7° 5	20° 9	3°27	28°56	23°53	19°53	28°D52	27°36	20°36	10°43	T 24
F 25	22 11 16	1°19'20	2 <u>1</u> °21	28°22	8°30	7°43	20°20	3°25	28°59	23°53	19°53	28°R52	27°33	20°42	10°41	F 25
S 26	22 15 12	2°17'15	5 군 38	29° 8	8°52	8°21	20°32	3°24	29° 2	23°52	19°53	28°52	27°29	20°49	10°39	S 26
S 27	22 19 9	3°15'11	19°59	29°51	9°13	9° 0	20°44	3°23	29° 5	23°51	19°52	28°51	27°26	20°56	10°37	S 27
M28	22 23 5	4°13'09	4≈20	0 ჲ 30	9°31	9°38	20°55	3°22	29° 8	23°50	19°52	28°46	27°23	21° 2	10°34	M28
T 29	22 27 2	5°11'08	18°36	1° 6	9°48	10°17	21° 7	3°21	29°12	23°49	19°52	28°40	27°20	21° 9	10°32	T 29
W30	22 30 59	6° 9'08	2) (43	1°37	10° 3	10°56	21°18	3°20	29°15	23°48	19°52	28°31	27°17	21°16	10°30	W30
T 31	22 34 55	7 m) 7'10	16 ¥ 35	2 ₾ 3	10 ≏ 15	11 M 35	219930	3 る 19	299518	23 Y 47	19852	28Ⅱ20	27 I I3	21 II 22	10 Y 28	T 31

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T 1 W 2 T 3 F 4 S 5 S 6 M 7 T 8 W 9	18n13 17 58 17 42 17 27 17 11 16 55 16 38 16 21 16 4	20s59 3s18 17 24 4 11 12 54 4 48 7 52 5 7 2 36 5 9 2n36 4 55 7 34 4 27 12 7 3 47	13n 9 1n 2 12 29 0 55 11 48 0 48 11 8 0 40 10 27 0 33 9 46 0 25 9 6 0 17 8 26 0 8	1n34 1s18 1 7 1 25 0 40 1 33 0 14 1 41 1 0s12 1 49 1 0 39 1 58 1 1 4 2 6 1 1 30 2 15 1	9 s 2 6 0 s 3 0 9 4 0 0 3 1 9 5 4 0 3 2 0 8 0 3 3 0 2 1 0 3 4 0 3 5 0 3 5 0 4 9 0 3 6 1 3 0 3 6	22n36 On 2	22 s41	21n 9 0n30 21 9 0 30 21 8 0 30 21 7 0 30 21 6 0 30 21 6 0 30 21 5 0 30 21 4 0 30	7n45 1s42 7 45 1 43 7 44 1 43	3n20 14s54 3 20 14 54 3 20 14 54 3 19 14 54 3 19 14 55 3 19 14 55 3 19 14 55 3 19 14 55	23n27 23 23 27 23	3 27 21 n58 3 27 21 59 3 27 22 0 3 27 22 2 3 27 22 3 3 27 22 5 3 27 22 6	6n46 2n31 6 46 2 31 6 45 2 31 6 45 2 31 6 45 2 31
T 10 F 11 S 12	15 30	19 27 2 2 21 57 1 1 23 30 0n 3	6 26 0 19	2 21 2 32 1 2 46 2 41 1 3 11 2 50 1	1 44 0 39	22 23 0 3 22 22 0 3 22 20 0 3	22 43 0 41	21 2 0 31	7 44 1 43 7 44 1 43 7 44 1 43	3 18 14 56 3 18 14 56 3 18 14 57	23 27 23	3 27 22 12	6 42 2 31 6 42 2 31 6 41 2 31
S 13 M14 T 15 W16 T 17 F 18 S 19	14 54 14 36 14 17 13 58 13 40 13 20 13 1	23 21 2 8 21 35 3 5 18 46 3 53 14 59 4 31	4 29 0 47 3 51 0 57 3 14 1 6 2 37 1 16 2 1 1 26	3 59 3 9 1 4 23 3 18 1 4 46 3 28 1 5 9 3 38 1	2 11 0 41 2 25 0 41 2 38 0 42 2 52 0 43 3 6 0 44 3 19 0 44 3 33 0 45	22 17 0 4 22 16 0 4 22 14 0 4 22 12 0 4 22 11 0 4	22 44 0 41 22 44 0 40 22 44 0 40 22 44 0 40 22 44 0 40	21 0 0 31 20 59 0 31 20 59 0 31	7 43 1 43 7 43 1 43 7 43 1 43 7 43 1 43 7 42 1 43 7 42 1 44		23 27 23 23 27 23 23 27 23 23 27 23 23 27 23	3 27 22 16 3 27 22 17 3 26 22 19 3 26 22 20 3 26 22 22	6 41 2 31 6 40 2 31 6 40 2 31 6 39 2 31 6 39 2 31 6 38 2 31 6 37 2 31
S 20 M21 T 22 W23 T 24 F 25 S 26	11 1	10 52 3 54	0 18 1 57 0s14 2 7 0 46 2 17 1 16 2 27 1 44 2 36	6 37 4 18 1 6 58 4 28 1 7 18 4 38 1 7 38 4 49 1 7 57 4 59 1	4 26 0 48 4 39 0 49 4 52 0 49	22 6 0 4 22 4 0 4 22 3 0 4	22 45 0 40 22 45 0 40 22 45 0 39 22 45 0 39 22 46 0 39	20 56 0 31 20 55 0 31 20 55 0 31 20 54 0 31 20 53 0 31 20 53 0 31 20 52 0 31	7 41 1 44 7 41 1 44 7 41 1 44 7 40 1 44 7 40 1 44 7 40 1 44 7 39 1 44	3 15 14 59 3 15 15 0 3 15 15 0 3 14 15 0	23 27 23 23 27 23 23 27 23 23 27 23 23 27 23	3 26 22 26	6 37 2 31 6 36 2 31 6 35 2 31 6 35 2 31 6 34 2 32 6 33 2 32 6 32 2 32
S 27 M28 T 29 W30 T 31	10 19 9 58 9 37 9 16 8n54	18 56 3 52 14 45 4 33	3 2 3 5 3 24 3 14 3 44 3 23	8 50 5 30 1 9 6 5 41 1	5 31 0 51 5 44 0 52 5 57 0 53		22 46 0 39 22 46 0 39 22 46 0 38		7 39 1 44 7 39 1 44 7 38 1 44 7 38 1 44 7n37 1 s44	3 13 15 1 3 13 15 1	23 27 23 23 27 23 23 27 23	3 26 22 34 3 26 22 35 3 26 22 36 3 26 22 38 3 n26 22n39	6 32 2 32 6 31 2 32 6 30 2 32 6 29 2 32 6n28 2n32

Julian Day Number = 2404640.5, Delta T = 0.84 sec Ecliptic obliquity = $23^{\circ}27'22$, Nutation = $-0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'49$, Lahiri = $22^{\circ}03'49$

SEPTEMBER 1871 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)મ(并	В	v	v	Ç	Ŷ,	Day
F 1	22 38 52	8 mp 5'14	0Υ 8	2 Ω 25	10₽26	12 M .14	219541	3°R18	299521	23°R46	19°R51	28°R 9	27 I I0	21 II 29	10°R26	F 1
S 2	22 42 48	9° 3'19	13°21	2°42	10°35	12°53	21°52	3 ප 18	29°24	23 Y 45	19 8 51	27 Ⅱ 58	27° 7	21°36	10 Y 24	S 2
S 3	22 46 45	10° 1'27	26°11	2°53	10°41	13°32	22° 3	3°17	29°27	23°44	19°51	27°49	27° 4	21°42	10°21	S 3
M 4	22 50 41	10°59'36	8841	2°59	10°45	14°12	22°14	3°17	29°30	23°43	19°51	27°43	27° 1	21°49	10°19	M 4
T 5	22 54 38	11°57'47	20°54	2°R59	10°R47	14°51	22°25	3°17	29°33	23°42	19°50	27°39	26°58	21°55	10°17	T 5
W 6	22 58 34	12°56'00	2 Ⅱ 53	2°53	10°47	15°31	22°36	3°16	29°36	23°40	19°50	27°37	26°54	22° 2	10°14	W 6
T 7	23 2 31	13°54'15	14°44	2°41	10°44	16°11	22°46	3°16	29°39	23°39	19°50	27°D36	26°51	22° 9	10°12	T 7
F 8	23 6 28	14°52'33	26°32	2°22	10°39	16°51	22°57	3°D16	29°42	23°38	19°49	27°R37	26°48	22°15	10° 9	F 8
S 9	23 10 24	15°50'52	8923	1°56	10°32	17°31	23° 8	3°16	29°44	23°37	19°49	27°36	26°45	22°22	10° 7	S 9
S 10	23 14 21	16°49'14	20°21	1°24	10°22	18°11	23°18	3°17	29°47	23°35	19°48	27°34	26°42	22°29	10° 5	S 10
M11	23 18 17	17°47'37	2 Ω 32	0°45	10°10	18°51	23°29	3°17	29°50	23°34	19°48	27°30	26°39	22°35	10° 2	M11
T 12	23 22 14	18°46'03	14°59	0° 1	9°56	19°31	23°39	3°17	29°53	23°33	19°48	27°23	26°35	22°42	9°59	T 12
W13	23 26 10	19°44'30	27°45	29 Mp 11	9°39	20°12	23°49	3°18	29°55	23°32	19°47	27°14	26°32	22°49	9°57	W13
T 14	23 30 7	20°43'00	10 m 50	28°16	9°20	20°52	23°59	3°18	29°58	23°30	19°47	27° 2	26°29	22°55	9°54	T 14
F 15	23 34 3	21°41'31	24°13	27°17	8°58	21°33	24° 9	3°19	0 Ω 1	23°29	19°46	26°49	26°26	23° 2	9°52	F 15
S 16	23 38 0	22°40'04	7 ≙ 53	26°15	8°35	22°14	24°19	3°20	0° 3	23°28	19°46	26°37	26°23	23° 9	9°49	S 16
S 17	23 41 57	23°38'39	21°45	25°12	8°10	22°54	24°29	3°21	0° 6	23°26	19°45	26°26	26°19	23°15	9°46	S 17
M18	23 45 53	24°37'16	5 M .46	24° 8	7°42	23°35	24°38	3°22	0° 8	23°25	19°44	26°17	26°16	23°22	9°44	M18
T 19	23 49 50	25°35'55	19°52	23° 6	7°13	24°16	24°48	3°23	0°11	23°23	19°44	26°12	26°13	23°28	9°41	T 19
W20	23 53 46	26°34'35	4 ₹ 0	22° 7	6°42	24°58	24°57	3°24	0°13	23°22	19°43	26° 9	26°10	23°35	9°38	W20
T 21	23 57 43	27°33'17	18° 8	21°12	6° 9	25°39	25° 7	3°25	0°15	23°20	19°43	26° 8	26° 7	23°42	9°36	T 21
F 22	0 1 39	28°32'01	2 ප 15	20°23	5°36	26°20	25°16	3°26	0°18	23°19	19°42	26° 8	26° 4	23°48	9°33	F 22
S 23	0 5 36	29°30'46	16°19	19°42	5° 1	27° 2	25°25	3°28	0°20	23°17	19°41	26° 7	26° 0	23°55	9°30	S 23
S 24	0 9 32	0 ≏ 29'34	0≈20	19° 9	4°25	27°43	25°34	3°29	0°22	23°16	19°41	26° 5	25°57	24° 2	9°28	S 24
M25	0 13 29	1°28'22	14°17	18°45	3°49	28°25	25°43	3°31	0°25	23°14	19°40	26° 0	25°54	24° 8	9°25	M25
T 26	0 17 26	2°27'13	28° 8	18°30	3°12	29° 7	25°51	3°33	0°27	23°13	19°39	25°52	25°51	24°15	9°22	T 26
W27	0 21 22	3°26'05	11) (49	18°D26	2°35	29°49	26° 0	3°35	0°29	23°11	19°39	25°42	25°48	24°22	9°19	W27
T 28	0 25 19	4°24'59	25°19	18°32	1°58	0 ₹ 31	26° 9	3°37	0°31	23°10	19°38	25°30	25°45	24°28	9°17	T 28
F 29	0 29 15	5°23'55	8 Ƴ 34	18°48	1°21	1°13	26°17	3°39	0°33	23° 8	19°37	25°17	25°41	24°35	9°14	F 29
S 30	0 33 12	6 ₽ 22'54	21 Y 33	19 m 15	0 ჲ 45	1 ∡ 755	269525	3 ප 41	$0\Omega 35$	23 ° 7	19 8 36	25 II 5	25耳38	24∏42	9 Υ 11	S 30

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F 1	8n33	4s34 5s				16 s22		21n48		22 s47		20n48		7n37	1 s44	3n12 15s				6n27	2n32
S 2	8 11	0n47 4 5	2 4 32	3 46 10	3 6 22	16 35	0 54	21 46	0 6	22 47	0 38	20 48	0 31	7 37	1 44	3 12 15	3 23 26	23 25	22 42	6 26	2 32
S 3	7 49	5 58 4 2	-			16 47		21 45				20 47	0 31	7 36	1 44		3 23 26			6 26	2 32
M 4 T 5	7 27	10 47 3 4		3 59 10 2			0 56	_	0 6		0 38		0 31	7 36	1 44	-	3 23 26	-		6 25	2 32
T 5 W 6	7 5 6 43	15 4 3 18 40 2	2 4 55 7 4 57	4 4 10 3			0 56	21 41 21 40	0 6	1		20 46 20 45	0 31 0 31	7 35 7 35	1 44		3 23 26 4 23 26	23 25		6 24 6 23	2 32 2 32
T 7			8 4 55	4 12 10 5		17 36	0 57		0 6			20 45	0 31	7 34	1 44		1 23 26			6 22	2 32
F 8	5 58	23 19 0	4 49	4 14 10 5	8 7 21	17 48	0 58		0 6			20 44	0 31	7 34	1 44		4 23 26			6 21	2 32
S 9	5 35	24 8 0n5	7 4 39	4 14 11	3 7 29	18 0	0 59	21 35	0 6	22 48	0 37	20 44	0 31	7 33	1 45	3 9 15	4 23 26	23 25	22 51	6 20	2 32
S 10	5 12	23 51 1 5	8 4 26	4 13 11	7 7 38	18 12	0 59	21 33	0 6	22 48	0 37	20 43	0 31	7 33	1 45	3 9 15	23 26	23 25	22 52	6 19	2 32
M11		22 26 2 5		4 11 11 1				21 31	0 7	-	0 37			7 32	1 45		5 23 26			6 18	2 32
T 12				4 6 11 1				21 30	0 7	-	0 37	-	0 31	7 32	1 45		23 26			6 17	2 32
W13 T 14	4 4	16 22 4 2	-	4 0 11 1		18 47	1 1	21 28	0 7	-	0 36	-	0 31	7 31	1 45		23 26			6 16	2 32
F 15	3 41 3 18	11 58 4 4 6 53 5	9 2 52	3 52 11 3 42 11	9 8 7 6 8 13	10 00	1 1 1 2	21 26 21 25	0 7	,	0 36	20 41 20 40	0 31 0 31	7 31 7 30	1 45 1 45		5 23 25 5 23 25			6 15 6 14	2 31 2 31
S 16	2 55	1 23 4 5		3 30 11		19 20		21 23	0 7			20 40		7 30	1 45		5 23 25			6 13	2 31
S 17	2 32	4s16 4 3	2 1 6	3 17 10 5		19 31	1 3		0 7			20 39		7 29	1 45		5 23 24			6 12	2 31
M18	2 8	9 47 3 5					1 3		0 7		0 36		0 31	7 29	1 45		7 23 24			6 11	2 31
T 19	1 45	14 51 2 5	9 0n14	2 44 10 4	0 8 30	19 53	1 4	21 18	0 8		0 36		0 31	7 28	1 45		7 23 24		23 3	6 9	2 31
W20	1 22	19 6 1 5	0 54	2 26 10 3	0 8 32	20 4	1 4	21 17	0 8	22 49	0 35	20 38	0 31	7 27	1 45	3 5 15	7 23 24	23 24	23 4	6 8	2 31
T 21	0 58	22 14 0 4	2 1 33	2 7 10 1	8 8 34	20 14	1 5	21 15	0 8	22 49	0 35	20 37	0 31	7 27	1 45	3 5 15	7 23 24	23 24	23 5	6 7	2 31
F 22		23 59 0s3				20 24		21 14	0 8			20 37	0 32	7 26	1 45		3 23 24			6 6	2 31
S 23	0 12	24 11 1 4	5 2 45	1 27 9 5	1 8 34	20 34	1 6	21 12	0 8	22 50	0 35	20 36	0 32	7 26	1 45	3 4 15	3 23 24	23 24	23 8	6 5	2 31
S 24	0s12	22 52 2 5	3 17	1 7 9 3	6 8 33	20 44	1 6	21 11	0 8	22 50	0 35	20 36	0 32	7 25	1 45	3 4 15	3 23 24	23 24	23 9	6 4	2 31
M25	0 35			0 47 9 1			1 6		0 8			20 36		7 25	1 45	3 4 15	3 23 24			6 3	2 31
T 26	0 59			0 28 9	2 8 28		1 7	21 8	0 8			20 35	0 32	7 24	1 45			23 23		6 2	2 31
W27	1 22	11 38 4 5		0 9 8 4				21 6	0 9			20 35	0 32	7 23	1 45		23 23			6 1	2 31
T 28	1 45	6 27 5	1 4 40	0n 8 8 2			1 8	-	0 9			20 34	0 32	7 23	1 45		23 23			5 59	2 31
F 29	2 9	1 5 4 5		0 25 8	4 8 13	_	1 8	_	0 9		0 34		0 32	7 22	1 45	-	23 22			5 58	2 31
S 30	2 s32	4n14 4s3	4n52	0n40 7 s ²	5 8s 6	21 s41	1s 8	21n 2	Un 9	22 s50	0n34	20n33	0n32	7n22	1 s45	3n 2 15s	23n22	23n23	23n16	5n57	2n31

 $\label{eq:Julian Day Number = 2404671.5} \ Delta\ T = 0.78\ sec$ $Ecliptic\ obliquity = 23°27'23,\ Nutation = -0°00'16,\ out-of-bounds\ declination\ in\ red$ $Ayanamsha:\ Fagan/Bradley = 22°56'53,\ Lahiri = 22°03'54$

OCTOBER 1871 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(#	В	v	v	Ç	ę,	Day
S 1	0 37 8	7 ≏ 21'54	4814	19 m 50	0°R10	2 ₹ 37	26933	3 る 43	0 Ω 37	23°R 5	19°R36	24°R55	25 II 35	24∏48	9°R 8	S 1
M 2	0 41 5	8°20'56	16°38	20°35	29 m 36	3°19	26°41	3°45	0°39	23 Y 3	19 8 35	24∐47	25°32	24°55	9 Υ 5	M 2
T 3	0 45 1	9°20'01	28°47	21°27	29° 3	4° 2	26°49	3°48	0°41	23° 2	19°34	24°41	25°29	25° 2	9° 3	T 3
W 4	0 48 58	10°19'08	10 Ⅱ 45	22°28	28°31	4°44	26°57	3°50	0°42	23° 0	19°33	24°39	25°25	25° 8	9° 0	W 4
T 5	0 52 54	11°18'17	22°35	23°35	28° 1	5°27	27° 4	3°53	0°44	22°59	19°32	24°D38	25°22	25°15	8°57	T 5
F 6	0 56 51	12°17'29	49522	24°48	27°33	6° 9	27°12	3°55	0°46	22°57	19°31	24°38	25°19	25°21	8°54	F 6
S 7	1 0 48	13°16'43	16°13	26° 7	27° 7	6°52	27°19	3°58	0°48	22°55	19°31	24°R38	25°16	25°28	8°52	S 7
S 8	1 4 44	14°15'59	28°12	27°30	26°43	7°35	27°26	4° 1	0°49	22°54	19°30	24°37	25°13	25°35	8°49	S 8
M 9	1 8 41	15°15'18	10 Ω 24	28°57	26°21	8°18	27°33	4° 4	0°51	22°52	19°29	24°34	25°10	25°41	8°46	M 9
T 10	1 12 37	16°14'39	22°55	0 ჲ 28	26° 2	9° 1	27°40	4° 7	0°52	22°50	19°28	24°29	25° 6	25°48	8°43	T 10
W11	1 16 34	17°14'02	5 M)47	2° 2	25°44	9°44	27°47	4°10	0°54	22°49	19°27	24°21	25° 3	25°55	8°41	W11
T 12	1 20 30	18°13'27	19° 3	3°38	25°29	10°27	27°53	4°13	0°55	22°47	19°26	24°11	25° 0	26° 1	8°38	T 12
F 13	1 24 27	19°12'54	2 ≏ 43	5°15	25°17	11°10	28° 0	4°17	0°57	22°45	19°25	24° 1	24°57	26° 8	8°35	F 13
S 14	1 28 23	20°12'24	16°44	6°55	25° 7	11°54	28° 6	4°20	0°58	22°44	19°24	23°50	24°54	26°15	8°32	S 14
S 15	1 32 20	21°11'56	1 m 1	8°35	24°59	12°37	28°12	4°23	0°59	22°42	19°23	23°40	24°50	26°21	8°30	S 15
M16	1 36 17	22°11'29	15°28	10°16	24°54	13°21	28°18	4°27	1° 0	22°40	19°22	23°33	24°47	26°28	8°27	M16
T 17	1 40 13	23°11'05	0 ∡ 0	11°58	24°51	14° 4	28°24	4°31	1° 1	22°39	19°21	23°28	24°44	26°35	8°24	T 17
W18	1 44 10	24°10'42	14°30	13°40	24°D51	14°48	28°29	4°34	1° 3	22°37	19°20	23°26	24°41	26°41	8°22	W18
T 19	1 48 6	25°10'22	2 <u>8</u> °54	15°23	24°53	15°32	28°35	4°38	1° 4	22°35	19°19	23°D26	24°38	26°48	8°19	T 19
F 20	1 52 3	26°10'03	13 る 9	17° 5	24°57	16°16	28°40	4°42	1° 5	22°34	19°18	23°27	24°35	26°54	8°16	F 20
S 21	1 55 59	27° 9'45	27°13	18°48	25° 4	17° 0	28°45	4°46	1° 6	22°32	19°17	23°R27	24°31	27° 1	8°14	S 21
S 22	1 59 56	28° 9'30	11≈ 5	20°30	25°13	17°44	28°50	4°50	1° 6	22°30	19°16	23°26	24°28	27° 8	8°11	S 22
M23	2 3 52	29° 9'16	24°46	22°12	25°24	18°28	28°55	4°54	1° 7	22°29	19°15	23°23	24°25	27°14	8° 9	M23
T 24	2 7 49	OM 9'03	8) 16	23°54	25°37	19°12	29° 0	4°58	1°8	22°27	19°14	23°18	24°22	27°21	8° 6	T 24
W25	2 11 46	1° 8'53	21°33	25°35	25°53	19°56	29° 4	5° 3	1° 9	22°25	19°13	23°11	24°19	27°28	8° 4	W25
T 26	2 15 42	2° 8'44	4Υ 39	27°16	26°10	20°40	29° 8	5° 7	1°10	22°24	19°12	23° 2	24°16	27°34	8° 1	T 26
F 27	2 19 39	3° 8'37	17°32	28°57	26°29	21°25	29°12	5°11	1°10	22°22	19°11	22°53	24°12	27°41	7°59	F 27
S 28	2 23 35	4° 8'31	0811	0 M .37	26°51	22° 9	29°16	5°16	1°11	22°20	19°10	22°44	24° 9	27°48	7°56	S 28
S 29	2 27 32	5° 8'28	12°38	2°17	27°14	22°54	29°20	5°20	1°11	22°19	19° 9	22°36	24° 6	27°54	7°54	S 29
M30	2 31 28	6° 8'27	24°52	3°56	27°39	23°38	29°24	<u>5°25</u>	1°12	22°17	19° 8	22°30	24° 3	28° 1	7°51	M30
T 31	2 35 25	7 M 8′28	6 II 55	5 M .35	28 m) 5	24 × ⁷ 23	299527	5 云 30	1Ω 12	22 Y 15	198 7	22 Ⅲ 27	24 I I 0	28 I 8	7 Ƴ 49	T 31

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S 1 M 2	2 s 5 5 3 1 9	9n16 3s54 13 50 3 7	4n51 0n53 4 45 1 6					20n33 0n32 20 33 0 32	7n21 1s45 7 20 1 45	3n 1 15s 9 3 1 15 10				5n56 2n31 5 55 2 31
T 3			-	6 40 7 41	22 6 1 10	20 58 0 9		20 32 0 32		3 1 15 10	-		-	5 54 2 31
W 4 T 5	-	20 52 1 13 23 4 0 11	-					20 32 0 32 20 32 0 32			23 21 23 21			5 52 2 30 5 51 2 30
F 6	-	24 15 0n52	4 0 1 34 3 37 1 41					20 32 0 32 20 31 0 32			23 21			5 50 2 30
S 7	5 15	24 20 1 52	3 11 1 47	5 14 6 58	22 38 1 11	20 52 0 10	22 51 0 33	20 31 0 32	7 17 1 45	2 59 15 10	23 21	23 22	23 24	5 49 2 30
S 8		23 17 2 49						20 31 0 32		2 59 15 11				5 48 2 30
M 9 T 10	-	21 9 3 38 17 58 4 19	2 10 1 55 1 36 1 57	4 34 6 33 4 14 6 20				20 30 0 32 20 30 0 32		2 58 15 11 2 58 15 11	-	-		5 47 2 30 5 45 2 30
W11	6 46	13 51 4 48	1 0 1 58					20 30 0 32		2 58 15 11				5 44 2 30
T 12	7 9	8 58 5 2	0 22 1 59					20 29 0 32	7 14 1 45	2 57 15 11				5 43 2 30
F 13 S 14	7 32 7 54	3 30 5 0 2s16 4 40	0s17 1 58 0 57 1 57					20 29 0 32 20 29 0 32	7 14 1 45 7 13 1 45	2 57 15 11 2 56 15 11				5 42 2 30 5 41 2 30
S 15	8 17	8 3 4 2	1 39 1 55					20 29 0 32		2 56 15 12				5 40 2 29
M16 T 17	8 39 9 1	13 29 3 8 18 11 2 2	2 21 1 53 3 3 1 50			20 42 0 11 20 41 0 11		20 28 0 32 20 28 0 32		2 56 15 12 2 55 15 12				5 38 2 29 5 37 2 29
W18		-	3 3 1 50 3 46 1 46			20 41 0 11		20 28 0 32		2 55 15 12				5 36 2 29
T 19	9 45	23 56 0s29	4 29 1 42					20 28 0 32	7 10 1 45	2 55 15 12				5 35 2 29
F 20 S 21		24 32 1 44 23 31 2 51	5 13 1 38 5 56 1 33					20 28 0 32 20 27 0 33		2 54 15 12 2 54 15 12				5 34 2 29 5 33 2 29
S 21	10 28		6 39 1 28					20 27 0 33 20 27 0 33		2 54 15 12				5 33 2 29 5 31 2 29
M23	10 30		7 23 1 22	1 18 3 25				20 27 0 33		2 53 15 12				5 30 2 28
T 24	11 32	13 3 4 56	8 5 1 17	1 12 3 12	24 16 1 15			20 27 0 33		2 53 15 12				5 29 2 28
W25	11 53	8 2 5 6	8 48 1 11					20 27 0 33	7 6 1 45	2 53 15 13				5 28 2 28
T 26 F 27	12 14 12 34	2 45 5 0 2n35 4 39	9 30 1 5 10 11 0 59					20 27 0 33 20 27 0 33	7 6 1 45 7 5 1 45	2 52 15 13 2 52 15 13				5 27 2 28 5 26 2 28
S 28	12 55		10 53 0 52					20 27 0 33		2 52 15 13				5 25 2 28
S 29 M30	13 15 13 35		11 33 0 46 12 13 0 40					20 27 0 33 20 26 0 33		2 51 15 13 2 51 15 13				5 24 2 28 5 23 2 28
	13 s54		12 s52 0n33					20n26 0n33		2n51 15 s13				5n22 2n27

Julian Day Number = 2404701.5, Delta T = 0.71 sec Ecliptic obliquity = $23^{\circ}27'23$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}56'57$, Lahiri = $22^{\circ}03'58$

NOVEMBER 1871 00:00 UT

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Day	Sid.t	0)	ğ	Q.	ď	4	ħ)Å(并	В	S.	Ω	Ç	ķ	Day
W 1	2 39 21	8M 8'30	18 Ⅱ 49	7 M .13	28 m 34	25 ₹ 8	29930	5 云 35	1 Q 12	22°R14	19°R 5	22°D25	23 II 56	28耳14	7°R47	W 1
T 2	2 43 18	9° 8'35	0ഇ37	8°51	29° 4	25°52	29°33	5°39	1°13	22 Y 12	198 4	22 II 26	23°53	28°21	7 Ƴ 44	T 2
F 3	2 47 15	10° 8'42	12°23	10°28	29°35	26°37	29°36	5°44	1°13	22°11	19° 3	22°27	23°50	28°27	7°42	F 3
S 4	2 51 11	11° 8'51	24°13	12° 5	0 호 8	27°22	29°39	5°49	1°13	22° 9	19° 2	22°29	23°47	28°34	7°40	S 4
S 5	2 55 8	12° 9'02	6 Ω 10	13°42	0°43	28° 7	29°41	5°54	1°13	22° 7	19° 1	22°30	23°44	28°41	7°38	S 5
M 6	2 59 4	13° 9'15	18°20	15°18	1°19	28°52	29°43	5°59	1°13	22° 6	19° 0	22°R30	23°41	28°47	7°36	M 6
T 7	3 3 1	14° 9'30	0 m 49	16°54	1°56	29°37	29°45	6° 5	1°R13	22° 4	18°59	22°28	23°37	28°54	7°34	T 7
W 8	3 6 57	15° 9'47	13°40	18°29	2°34	0る22	29°47	6°10	1°13	22° 3	18°58	22°25	23°34	29° 1	7°31	W 8
T 9	3 10 54	16°10'06	26°56	20° 4	3°14	1° 8	29°49	6°15	1°13	22° 1	18°57	22°21	23°31	29° 7	7°29	T 9
F 10	3 14 50	17°10'27	10 ≏ 40	21°39	3°55	1°53	29°50	6°21	1°13	22° 0	18°55	22°15	23°28	29°14	7°27	F 10
S 11	3 18 47	18°10'49	24°49	23°13	4°37	2°38	29°52	6°26	1°13	21°58	18°54	22°10	23°25	29°21	7°26	S 11
S 12	3 22 44	19°11'14	9 M 21	24°48	5°20	3°24	29°53	6°32	1°13	21°57	18°53	22° 5	23°22	29°27	7°24	S 12
M13	3 26 40	20°11'41	24° 9	26°21	6° 5	4° 9	29°54	6°37	1°12	21°55	18°52	22° 1	23°18	29°34	7°22	M13
T 14	3 30 37	21°12'09	9 √ 5	27°55	6°50	4°55	29°54	6°43	1°12	21°54	18°51	21°59	23°15	29°41	7°20	T 14
W15	3 34 33	22°12'38	24° 0	29°28	7°36	5°40	29°55	6°48	1°12	21°53	18°50	21°D58	23°12	29°47	7°18	W15
T 16	3 38 30	23°13'10	8 조 48	1 √ 1	8°23	6°26	29°55	6°54	1°11	21°51	18°49	21°59	23° 9	29°54	7°16	T 16
F 17	3 42 26	24°13'42	23°22	2°34	9°11	7°12	29°R55	7° 0	1°11	21°50	18°48	22° 0	23° 6	0ණ 1	7°15	F 17
S 18	3 46 23	25°14'16	7≈39	4° 7	10° 0	7°57	29°55	7° 6	1°10	21°49	18°46	22° 2	23° 2	0° 7	7°13	S 18
S 19	3 50 19	26°14'50	21°36	5°39	10°50	8°43	29°55	7°12	1° 9	21°47	18°45	22°R 3	22°59	0°14	7°11	S 19
M20	3 54 16	27°15'26	5) 13	7°11	11°41	9°29	29°54	7°18	1° 9	21°46	18°44	22° 2	22°56	0°20	7°10	M20
T 21	3 58 13	28°16'03	18°32	8°43	12°32	10°15	29°53	7°24	1° 8	21°45	18°43	22° 1	22°53	0°27	7° 8	T 21
W22	4 2 9	29°16'42	1 Y 34	10°15	13°24	11° 1	29°53	7°30	1° 7	21°43	18°42	21°59	22°50	0°34	7° 7	W22
T 23	4 6 6	0 ∡ 17'21	14°21	11°47	14°17	11°47	29°51	7°36	1° 6	21°42	18°41	21°56	22°47	0°40	7° 6	T 23
F 24	4 10 2	1°18'02	26°54	13°18	15°11	12°33	29°50	7°42	1° 6	21°41	18°40	21°52	22°43	0°47	7° 4	F 24
S 25	4 13 59	2°18'43	9 8 15	14°49	16° 5	13°19	29°49	7°48	1° 5	21°40	18°39	21°49	22°40	0°54	7° 3	S 25
S 26	4 17 55	3°19'26	21°26	16°20	17° 0	14° 5	29°47	7°54	1° 4	21°39	18°38	21°46	22°37	1° 0	7° 2	S 26
M27	4 21 52	4°20'11	3耳28	17°51	17°55	14°51	29°45	8° 1	1° 3	21°37	18°36	21°44	22°34	1° 7	7° 0	M27
T 28	4 25 48	5°20'56	15°24	19°21	18°52	15°38	29°43	8° 7	1° 1	21°36	18°35	21°43	22°31	1°14	6°59	T 28
W29	4 29 45	6°21'43	27°14	20°51	19°48	16°24	29°41	8°13	1° 0	21°35	18°34	21°D43	22°28	1°20	6°58	W29
T 30	4 33 42	7 ₹ 22'32	995 1	22 × 21	20 ≏ 46	17 る 10	29938	8 궁 20	$0\Omega 59$	21 Y 34	18 8 33	21 II 44	22∏24	19527	6 Ƴ 57	T 30

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S 12	17 32	11 16 3	32 19 4	4 0 47	1 58	0 10 24 42	1 18	20 27	0 15	22 49	0 29	20 27	0 33	6 56	1 45	2 47	15 13	23 13	23 17	24 0	5 10	2 26
M13	17 48	16 27 2	27 20 1	0 53	2 8	0 18 24 41	1 18	20 27	0 16	22 49	0 29	20 27	0 33	6 55	1 45	2 47	15 13	23 13	23 17	24 1	5 9	2 25
T 14	-		10 20 4		2 19	0 26 24 40		20 27		22 48		20 27	0 33	6 55	1 45				23 17		5 8	2 25
W15			311 21	7 1 5	2 30	0 34 24 38		20 27		22 48		20 27	0 33	6 54	1 45				23 17		5 7	2 25
T 16			31 21 3		2 42	0 41 24 36		20 27		22 48		20 27	0 33	6 54	1 45				23 17		5 6	2 25
F 17 S 18	18 51 19 5		44 21 5 45 22 2		2 54	0 48 24 33 0 55 24 31		20 27 20 27		22 48 22 48		20 27 20 28	0 34	6 53 6 53	1 45 1 45				23 17 23 16		5 5 5 5	2 25 2 24
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T 21	19 47		14 23 2		3 49	1 8 24 23		20 28		22 47		20 28		6 52	1 45	-	-		23 16		5 2	2 24
W22	20 1		11 23 4		4 4	1 21 24 17		20 28		22 47		20 28		6 51	1 45				23 16		5 2	2 24
T 23	20 14			0 1 48	4 19	1 26 24 13		20 29		22 46		20 28		6 51	1 45					24 10	5 1	2 24
F 24	20 26	6 21 4	18 24 1	6 1 52	4 34	1 32 24 9	1 18	20 29	0 18	22 46	0 28	20 29	0 34	6 50	1 45	2 44	15 12	23 12	23 15	24 11	5 0	2 23
S 25	20 38	11 13 3	34 24 3	1 1 56	4 50	1 37 24 4	1 18	20 30	0 18	22 46	0 28	20 29	0 34	6 50	1 45	2 44	15 12	23 12	23 15	24 11	4 59	2 23
S 26	20 50	15 34 2	40 24 4	5 2 0	5 6	1 42 24 0	1 17	20 30	0 18	22 46	0 28	20 29	0 34	6 49	1 45	2 44	15 12	23 12	23 15	24 12	4 59	2 23
M27	21 2		39 24 5	7 2 4	5 23	1 47 23 55		20 31		22 45		20 29		6 49	1 45					24 13	4 58	2 23
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W29			n30 25 1		5 57	1 57 23 44		20 32		22 45		20 30		6 48	1 44		-		-	24 15	4 57	2 22
1 30	21 s33	24n43 1r	n34 25 s2	7 2s13	6s15	2n 1 23 s38	1817	20n33	0n19	22 s45	0n27	20n30	0n34	6n48	1 s44	2n43	15812	23n12	23n14	24n16	4n56	2n22

Julian Day Number = 2404732.5, Delta T = 0.65 sec Ecliptic obliquity = $23^{\circ}27'23$, Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}57'02$, Lahiri = $22^{\circ}04'02$

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	n	v	Ç	ķ	Day
F 1	4 37 38	8 × 23'21	209548	23 х 50	21 ≏ 43	17 云 57	29°R35	8 පි 26	0°R58	21°R33	18°R32	21耳45	22 II 21	19934	6°R56	F 1
S 2	4 41 35	9°24'12	2⋒39	25°19	22°42	18°43	29933	8°33	0 Ω 57	21 Y 32	18 8 31	21°46	22°18	1°40	6 Ƴ 55	S 2
S 3	4 45 31	10°25'04	14°37	26°47	23°41	19°29	29°30	8°39	0°55	21°31	18°30	21°48	22°15	1°47	6°54	S 3
M 4	4 49 28	11°25'58	26°46	28°15	24°40	20°16	29°26	8°46	0°54	21°30	18°29	21°48	22°12	1°54	6°53	M 4
T 5	4 53 24	12°26'52	9 m y11	29°42	25°40	21° 2	29°23	8°52	0°52	21°29	18°28	21°R49	22° 8	2° 0	6°53	T 5
W 6	4 57 21	13°27'48	21°56	1る8	26°40	21°49	29°19	8°59	0°51	21°28	18°27	21°49	22° 5	2° 7	6°52	W 6
T 7	5 1 17	14°28'46	5 ₾ 5	2°33	27°41	22°36	29°15	9° 5	0°49	21°28	18°26	21°48	22° 2	2°13	6°51	T 7
F 8	5 5 14	15°29'44	18°40	3°57	28°42	23°22	29°11	9°12	0°48	21°27	18°25	21°48	21°59	2°20	6°51	F 8
S 9	5 9 11	16°30'44	2 M .44	5°20	29°44	24° 9	29° 7	9°19	0°46	21°26	18°24	21°47	21°56	2°27	6°50	S 9
S 10	5 13 7	17°31'45	17°13	6°41	0 M .46	24°56	29° 3	9°26	0°45	21°25	18°23	21°46	21°53	2°33	6°49	S 10
M11	5 17 4	18°32'47	2 ₹ 5	8° 0	1°48	25°42	28°58	9°32	0°43	21°24	18°22	21°46	21°49	2°40	6°49	M11
T 12	5 21 0	19°33'50	17°11	9°17	2°51	26°29	28°54	9°39	0°41	21°24	18°21	21°D46	21°46	2°47	6°49	T 12
W13	5 24 57	20°34'53	2 る 23	10°32	3°54	27°16	28°49	9°46	0°39	21°23	18°20	21°46	21°43	2°53	6°48	W13
T 14	5 28 53	21°35'58	17°32	11°43	4°58	28° 3	28°44	9°53	0°38	21°22	18°19	21°R46	21°40	3° 0	6°48	T 14
F 15	5 32 50	22°37'03	2≈28	12°51	6° 1	28°50	28°38	10° 0	0°36	21°22	18°18	21°46	21°37	3° 7	6°48	F 15
S 16	5 36 47	23°38'08	17° 4	13°56	7° 5	29°37	28°33	10° 7	0°34	21°21	18°18	21°46	21°34	3°13	6°48	S 16
S 17	5 40 43	24°39'14	1) 15	14°55	8°10	0≈23	28°28	10°14	0°32	21°21	18°17	21°46	21°30	3°20	6°47	S 17
M18	5 44 40	25°40'20	15° 1	15°50	9°15	1°10	28°22	10°21	0°30	21°20	18°16	21°45	21°27	3°27	6°47	M18
T 19	5 48 36	26°41'26	28°22	16°38	10°19	1°57	28°16	10°27	0°28	21°19	18°15	21°D45	21°24	3°33	6°D47	T 19
W20	5 52 33	27°42'32	11 Y 19	17°19	11°25	2°44	28°10	10°34	0°26	21°19	18°14	21°45	21°21	3°40	6°47	W20
T 21	5 56 29	28°43'39	23°57	17°53	12°30	3°31	28° 4	10°41	0°24	21°19	18°13	21°46	21°18	3°47	6°48	T 21
F 22	6 0 26	29°44'46	6818	18°18	13°36	4°18	27°58	10°48	0°22	21°18	18°13	21°47	21°14	3°53	6°48	F 22
S 23	6 4 22	0 る 45'53	18°26	18°34	14°42	5° 5	27°51	10°55	0°19	21°18	18°12	21°48	21°11	4° 0	6°48	S 23
S 24	6 8 19	1°47'00	0П26	18°R39	15°48	5°53	27°45	11° 2	0°17	21°18	18°11	21°49	21° 8	4° 6	6°48	S 24
M25	6 12 16	2°48'08	12°18	18°34	16°55	6°40	27°38	11°10	0°15	21°17	18°10	21°49	21° 5	4°13	6°49	M25
T 26	6 16 12	3°49'15	24° 8	18°16	18° 2	7°27	27°31	11°17	0°13	21°17	18° 9	21°R49	21° 2	4°20	6°49	T 26
W27	6 20 9	4°50'23	5956	17°47	19° 9	8°14	27°24	11°24	0°11	21°17	18° 9	21°49	20°59	4°26	6°49	W27
T 28	6 24 5	5°51'32	17°44	17° 6	20°16	9° 1	27°17	11°31	0° 8	21°17	18° 8	21°48	20°55	4°33	6°50	T 28
F 29	6 28 2	6°52'40	29°36	16°14	21°23	9°48	27°10	11°38	0° 6	21°16	18° 7	21°46	20°52	4°40	6°51	F 29
S 30	6 31 58	7°53'49	11 \O 32	15°12	22°31	10°35	27° 3	11°45	0° 4	21°16	18° 7	21°43	20°49	4°46	6°51	S 30
S 31	6 35 55	8 궁 54'57	23 N 36	14る 2	23 M 39	11≈23	26956	11 る 52	0 Ω 1	21 Y 16	18 8 6	21 Ⅱ 40	20 Ⅱ 46	4953	6 Ƴ 52	S 31

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S 3 M 4 T 5 W 6 T 7 F 8	22 2 22 10 22 18 22 26 22 33 22 40	17 7 4 48 12 55 5 10 8 4 5 18 2 43 5 9 2s57 4 44	25 47 2 25 48 2 25 48 2 25 47 2 25 44 2	2 20 7 27 2 16 2 21 7 46 2 20 2 21 8 4 2 23 2 21 8 23 2 26 2 20 8 43 2 28	23 11 1 17 23 4 1 16 22 57 1 16 22 49 1 16 22 41 1 16	20 36 0 19 20 37 0 19 20 38 0 20 20 39 0 20 20 40 0 20	22 43 0 27 22 43 0 27 22 43 0 27 22 42 0 27 22 42 0 26	20 31 0 34 20 32 0 34 20 32 0 34 20 32 0 34 20 33 0 34 20 33 0 34	6 47 1 44 6 47 1 44 6 46 1 44 6 46 1 44 6 46 1 44	2 43 15 11 2 43 15 10	23 12 23 23 12 23 23 12 23 23 12 23 23 12 23	14 24 19 13 24 19 13 24 20 13 24 21 13 24 22	4 54 2 22 4 54 2 21 4 53 2 21 4 53 2 21 4 52 2 21
S 9 S 10 M11 T 12 W13 T 14 F 15	23 11	14 6 3 1 18 50 1 47 22 25 0 25 24 25 0s59 24 36 2 19	25 33 2 25 26 2 25 17 2 25 7 2 24 56 2	2 16 9 21 2 33 2 13 9 40 2 36 2 10 10 0 2 38 2 5 10 19 2 40 2 0 10 39 2 42	22 24 1 16 22 15 1 15 22 6 1 15 21 57 1 15 21 47 1 15	20 42 0 20 20 43 0 21 20 44 0 21 20 45 0 21 20 46 0 21	22 41 0 26 22 41 0 26 22 40 0 26 22 40 0 26 22 40 0 26 22 39 0 26	20 33 0 34 20 34 0 34 20 34 0 34 20 35 0 34 20 35 0 34 20 35 0 34 20 36 0 34	6 45 1 44 6 45 1 44 6 45 1 44 6 45 1 44 6 44 1 44 6 44 1 44	2 42 15 10 2 42 15 9 2 42 15 9	23 12 23 23 12 23	12 24 23 12 24 24 12 24 25 12 24 25 12 24 26	4 51 2 20 4 51 2 20 4 50 2 20
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	23 21 23 23 23 25 23 26 23 27 23 27	15 40 4 58 10 45 5 16 5 29 5 16 0 7 5 0 5n 7 4 29 10 3 3 47	24 15 1 24 0 1 23 43 1 23 27 1 23 10 0 22 52 0	1 39 11 37 2 46 1 29 11 57 2 47 1 19 12 16 2 48 1 7 12 35 2 49 0 40 13 14 2 50	21 17 1 14 21 7 1 14 20 56 1 14 20 45 1 13 20 34 1 13 20 23 1 13	20 50 0 22 20 52 0 22 20 53 0 22 20 54 0 22 20 56 0 22 20 57 0 22	22 38 0 26 22 38 0 26 22 37 0 26 22 37 0 25 22 36 0 25 22 36 0 25	20 36 0 34 20 37 0 34 20 37 0 35 20 38 0 35 20 38 0 35 20 39 0 35 20 39 0 35 20 40 0 35	6 44 1 44 6 44 1 44 6 43 1 44 6 43 1 43 6 43 1 43 6 43 1 43 6 43 1 43	2 42 15 9 2 42 15 8 2 42 15 8	23 12 23 23 12 23	11 24 28 11 24 29 11 24 30 10 24 30 10 24 31 10 24 32	4 49 2 19 4 49 2 19 4 49 2 19
S 24 M25 T 26 W27 T 28 F 29 S 30	23 27 23 26 23 24 23 22 23 20 23 17 23 13	18 22 1 56 21 25 0 53 23 32 0n13 24 37 1 17 24 34 2 19 23 25 3 14 21 12 4 2	22 18 0 22 1 0 21 45 0 21 30 0 21 16 1 21 3 1 20 51 1	0 8 13 51 2 51 0 9 14 10 2 51 0 28 14 29 2 51 0 47 14 47 2 51 1 6 15 5 2 50 1 26 15 23 2 50 1 45 15 41 2 49	19 59 1 12 19 47 1 12 19 35 1 12 19 22 1 12 19 10 1 11 18 57 1 11 18 44 1 11	21 0 0 23 21 1 0 23 21 3 0 23 21 4 0 23 21 6 0 23 21 8 0 24 21 9 0 24	22 35 0 25 22 34 0 25 22 34 0 25 22 33 0 25 22 33 0 25 22 32 0 25 22 32 0 25	20 40 0 35 20 40 0 35 20 41 0 35 20 41 0 35 20 42 0 35 20 42 0 35 20 43 0 35 20 43 0 35 20 44 0 0 35	6 43 1 43 6 43 1 43	2 42 15 7 2 42 15 7 2 42 15 7 2 42 15 6 2 42 15 6 2 42 15 6	23 12 23 23 12 23	10 24 33 9 24 34 9 24 35 9 24 36 8 24 36 8 24 37	4 48 2 18 4 48 2 17 4 49 2 16

 $\label{eq:Julian Day Number = 2404762.5, Delta\ T=0.59\ sec} \\ Ecliptic\ obliquity = 23°27'22, Nutation = -0°00'18, out-of-bounds\ declination\ in\ red \\$