

Astrodienst Ephemeris Tables for the year 1891

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 1891 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)મ(并	Р	R	Ω	Ç	ķ	Day
T 1	6 41 26	10 ට 19'37	13 m) 44	29중17	5 × ⁷ 27	11) 12	14≈29	17°R10	0 M .51	4°R30	6°R19	14°R22	13 II 13	28 Ω 8	2°R48	T 1
F 2	6 45 22	11°20'46	25°38	29°49	5°44	11°56	14°42	17 m 10	0°53	4 Π 29	6 Ⅱ 18	14 II 20	13°10	28°15	$2\Omega 44$	F 2
S 3	6 49 19	12°21'56	7 Ω 38	0≈13	6° 4	12°41	14°56	17° 9	0°55	4°28	6°17	14°D18	13° 6	28°22	2°40	S 3
G 4	(52 15	13°23'06	19°51	0°26	(02(12026	15° 9	17° 8	0°57	1926	(01(14°19	13° 3	28°28	2°36	C 1
S 4 M 5	6 53 15 6 57 12	13°23'06 14°24'16	2 M .19	0°26 0°R28	6°26 6°49	13°26 14°11	15° 9	17° 8 17° 7	0°57 0°59	4°26 4°25	6°16 6°15	14°19 14°20	13° 3	28°28 28°35	2°32	S 4 M 5
T 6	7 1 8	14 24 16 15°25'26	15° 8	0°19	7°15	14 11 14°56	15°36	17° 6	1° 0	4°24	6°14	14°21	13°57	28°42	2°28	T 6
W 7	7 5 5	16°26'37	28°22	29 ප් 58	7°42	15°41	15°49	17° 5	1° 2	4°23	6°13	14°23	12°54	28°49	2°24	W 7
T 8	7 9 2	17°27'47	12 💆 2	29°26	8°11	16°25	16° 2	17° 4	1° 3	4°22	6°13	14°R24	12°50	28°55	2°20	T 8
F 9	7 12 58	18°28'58	26° 9	28°42	8°41	17°10	16°16	17° 3	1° 5	4°21	6°12	14°23	12°47	29° 2	2°15	F 9
S 10	7 16 55	19°30'08	10 ජි40	27°47	9°13	17°55	16°30	17° 1	1° 6	4°19	6°11	14°21	12°44	29° 9	2°11	S 10
S 11	7 20 51	20°31'18	25°30	26°43	9°46	18°40	16°43	17° 0	1° 8	4°18	6°10	14°17	12°41	29°15	2° 7	S 11
M12	7 24 48	21°32'28	10≈30	25°32	10°21	19°24	16°57	16°58	1° 9	4°17	6° 9	14°12	12°38	29°22	2° 2	M12
T 13	7 28 44	22°33'37	25°32	24°16	10°57	20° 9	17°11	16°57	1°10	4°16	6° 9	14° 6	12°35	29°29	1°58	T 13
W14	7 32 41	23°34'46	10 ¥ 26	22°58	11°35	20°54	17°24	16°55	1°11	4°15	6°8	14° 0	12°31	29°36	1°54	W14
T 15	7 36 38	24°35'53	25° 5	21°39	12°14	21°39	17°38	16°53	1°13	4°14	6° 7	13°55	12°28	29°42	1°49	T 15
F 16	7 40 34	25°37'00	9 Υ 23	20°23	12°54	22°23	17°52	16°51	1°14	4°13	6° 7	13°52	12°25	29°49	1°45	F 16
S 17	7 44 31	26°38'06	23°19	19°10	13°35	23° 8	18° 6	16°49	1°15	4°13	6° 6	13°D51	12°22	29°56	1°40	S 17
S 18	7 48 27	27°39'11	6 8 52	18° 5	14°17	23°53	18°20	16°46	1°16	4°12	6° 5	13°51	12°19	0Mp 2	1°36	S 18
M19	7 52 24	28°40'16	20° 4	17° 6	15° 0	24°37	18°34	16°44	1°17	4°11	6° 5	13°52	12°16	0° 9	1°31	M19
T 20	7 56 20	29°41'19	2П59	16°16	15°45	25°22	18°48	16°42	1°18	4°10	6° 4	13°54	12°12	0°16	1°27	T 20
W21	8 0 17	0≈42'22	15°38	15°35	16°30	26° 6	19° 2	16°39	1°19	4° 9	6° 3	13°R54	12° 9	0°23	1°22	W21
T 22	8 4 13	1°43'24	28° 5	15° 4	17°17	26°51	19°16	16°37	1°19	4° 8	6° 3	13°53	12° 6	0°29	1°18	T 22
F 23	8 8 10	2°44'25	109522	14°41	18° 4	27°35	19°30	16°34	1°20	4° 8	6° 2	13°49	12° 3	0°36	1°13	F 23
S 24	8 12 7	3°45'24	22°32	14°28	18°52	28°20	19°44	16°31	1°21	4° 7	6° 2	13°44	12° 0	0°43	1° 9	S 24
S 25	8 16 3	4°46'23	4 Ω 35	14°D23	19°41	29° 4	19°58	16°28	1°21	4° 6	6° 1	13°35	11°56	0°50	1° 4	S 25
M26	8 20 0	5°47'22	16°33	14°26	20°31	29°49	20°12	16°25	1°22	4° 6	6° 1	13°25	11°53	0°56	1° 0	M26
T 27	8 23 56	6°48'19	28°27	14°36	21°21	0 Υ 33	20°26	16°22	1°22	4° 5	6° 0	13°14	11°50	1° 3	0°56	T 27
W28	8 27 53	7°49'15	10 m)19	14°53	22°13	1°18	20°41	16°19	1°23	4° 5	6° 0	13° 4	11°47	1°10	0°51	W28
T 29	8 31 49	8°50'11	22°11	15°17	23° 5	2° 2	20°55	16°16	1°23	4° 4	5°59	12°54	11°44	1°16	0°47	T 29
F 30	8 35 46	9°51'05	4 <u>Ω</u> 6	15°46	23°58	2°46	21° 9	16°13	1°24	4° 4	5°59	12°46	11°41	1°23	0°42	F 30
S 31	8 39 42	10≈51'59	16 ♀ 5	16 ਰ 21	24 × 751	3 Υ30	21≈23	16 M 9	1 M 24	4 II 3	5 Ⅱ 58	12∏40	11 II 37	1 m 30	0 Ω 38	S 31

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T 1 F 2 S 3	23 s 3 22 58 22 53		20 29 0 1	2 16s50 4n28 7 16 49 4 32 1 16 49 4 35	7 50 0 48	17s13 0s45 17 9 0 45 17 5 0 45	6 53 1 58		19n25 1 s39 19 25 1 39 19 25 1 39	9 42 11 50	22n32 22n2 22 32 22 2 22 32 22 2	4 16 45	12 3 7 42
S 4 M 5 T 6 W 7 T 8 F 9	22 47 22 40 22 34 22 26 22 19 22 11	9 0 3 30	19 31 0 3 19 14 0 5 19 0 1 1 18 48 1 3	2 16 52 4 43 1 16 55 4 45 1 16 58 4 47	6 55 0 45 6 37 0 44	16 57 0 45 16 53 0 45 16 49 0 45	6 55 1 59 6 56 1 59 6 56 2 0 6 57 2 0	11 19 0 33 11 19 0 33	19 24 1 39 19 24 1 39	9 43 11 49 9 43 11 49 9 43 11 49 9 43 11 49	22 32 22 2 22 32 22 2	2 16 38 2 16 36 2 16 34 1 16 32	12 5 7 43 12 5 7 43 12 6 7 44 12 7 7 44
	21 53	24 25 3 25 21 45 4 18 17 37 4 54 12 25 5 5 6 36 5 4 0 34 4 40	18 27 2 2 18 25 2 4 18 24 2 5 18 26 3 18 29 3 1	5 17 18 4 51 6 17 23 4 50 6 17 29 4 50 3 17 34 4 49	5 5 0 39 4 46 0 38 4 28 0 37 4 9 0 36 3 51 0 35 3 32 0 34	16 25 0 45 16 21 0 45 16 17 0 45 16 12 0 45	6 59 2 1 7 0 2 1 7 1 2 1 7 2 2 1 7 3 2 2 7 4 2 2	11 22 0 33 11 22 0 33 11 23 0 33 11 23 0 33 11 23 0 33 11 24 0 33	19 24	9 43 11 48 9 43 11 48 9 43 11 47 9 43 11 47 9 43 11 47 9 44 11 47	22 32 22 2 22 32 22 2 22 31 22 2 22 30 22 1 22 30 22 1 22 29 22 1 22 29 22 1 22 29 22 1 22 29 22 1	0 16 25 0 16 23 9 16 21 9 16 19 8 16 17 8 16 14	12 9 7 45 12 10 7 45 12 11 7 45 12 11 7 45 12 12 7 45 12 13 7 45
S 18 M19 T 20 W21 T 22 F 23 S 24	20 26 20 14 20 1 19 47 19 34	15 46 2 5 19 48 0 59 22 50 0n 9 24 42 1 16 25 20 2 18	19 13 3 2 19 22 3 1 19 32 3	8 17 52 4 46 6 17 59 4 44	2 18 0 30 1 59 0 29 1 41 0 28 1 22 0 27		7 7 2 3 7 9 2 3 7 10 2 3 7 11 2 3 7 12 2 4	11 25 0 33 11 25 0 33 11 26 0 33 11 26 0 33	19 23 1 39 19 23 1 39 19 23 1 39 19 23 1 39 19 22 1 38 19 22 1 38 19 22 1 38	9 44 11 46 9 44 11 46 9 44 11 45 9 44 11 45 9 45 11 45	22 29 22 1 22 28 22 1 22 28 22 1	7 16 8 6 16 5 6 16 3 5 16 1 5 15 59	12 16 7 45 12 17 7 45 12 17 7 46 12 18 7 46 12 19 7 45
S 25 M26 T 27 W28 T 29 F 30 S 31	18 50	20 13 4 32 16 37 4 55 12 23 5 4 7 42 5 1 2 43 4 44	20 9 2 3 20 18 2 2 20 26 2 1 20 33 1 5	1 18 36 4 31 1 18 42 4 29 0 18 48 4 26 0 18 54 4 23	0 26 0 24 0 8 0 23 0n11 0 22 0 29 0 21 0 48 0 20	15 24 0 46 15 20 0 46	7 16 2 4 7 18 2 5 7 19 2 5 7 21 2 5 7 22 2 5	11 26 0 33 11 27 0 33 11 27 0 33 11 27 0 33 11 27 0 33	19 22 1 38 19 22 1 38	9 45 11 44 9 45 11 44 9 45 11 44 9 46 11 44 9 46 11 43	22 27 22 1 22 25 22 1 22 24 22 1 22 23 22 1 22 22 22 1 22 21 22 1 22n20 22n1	4 15 52 3 15 50 3 15 47 2 15 45 2 15 43	12 22 7 45 12 23 7 45 12 24 7 45 12 25 7 45 12 26 7 45

Julian Day Number = 2411733.5, Delta T = -4.09 sec Ecliptic obliquity = $23^{\circ}27'15$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'05$, Lahiri = $22^{\circ}20'06$

FEBRUARY 1891 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	S	Ç	Ŗ	Day
S 1	8 43 39	11≈52'52	28 ≏ 15	17ਰ 1	25 ∡ ¹45	4 Υ15	21≈38	16°R 6	1 M 24	4°R 3	5°R58	12°R36	11 耳 34	1 m) 37	0°R33	S 1
M 2	8 47 35	12°53'45	10 M .38	17°45	26°40	4°59	21°52	16Mp 2	1°24	4 I I 2	5 Ⅱ 58	12°D35	11°31	1°43	$0\Omega^{29}$	M 2
T 3	8 51 32	13°54'36	23°20	18°33	27°35	5°43	22° 6	15°58	1°24	4° 2	5°57	12Ⅲ36	11°28	1°50	0°25	T 3
W 4	8 55 29	14°55'27	6 ₹ 26	19°25	28°31	6°27	22°21	15°55	1°25	4° 2	5°57	12°R36	11°25	1°57	0°20	W 4
T 5	8 59 25	15°56'17	19°59	20°20	29°28	7°11	22°35	15°51	1°R25	4° 1	5°57	12°36	11°22	2° 3	0°16	T 5
F 6	9 3 22	16°57'06	4ਰ 1	21°18	0 궁 25	7°56	22°49	15°47	1°24	4° 1	5°56	12°34	11°18	2°10	0°12	F 6
S 7	9 7 18	17°57'54	18°32	22°19	1°22	8°40	23° 4	15°43	1°24	4° 1	5°56	12°30	11°15	2°17	0° 8	S 7
S 8	9 11 15	18°58'40	3≈28	23°22	2°20	9°24	23°18	15°39	1°24	4° 1	5°56	12°23	11°12	2°24	0° 3	S 8
M 9	9 15 11	19°59'26	18°41	24°28	3°18	10° 8	23°33	15°35	1°24	4° 0	5°56	12°13	11° 9	2°30	299559	M 9
T 10	9 19 8	21° 0'10	4 ∺ 0	25°36	4°17	10°52	23°47	15°31	1°24	4° 0	5°55	12° 3	11° 6	2°37	29°55	T 10
W11	9 23 5	22° 0'52	19°15	26°46	5°17	11°36	24° 1	15°27	1°23	4° 0	5°55	11°52	11° 2	2°44	29°51	W11
T 12	9 27 1	23° 1'33	4 Υ 14	27°58	6°16	12°20	24°16	15°23	1°23	4° 0	5°55	11°43	10°59	2°51	29°47	T 12
F 13	9 30 58	24° 2'13	18°50	29°12	7°17	13° 3	24°30	15°19	1°23	4°D 0	5°55	11°36	10°56	2°57	29°43	F 13
S 14	9 34 54	25° 2'51	2 8 58	0≈27	8°17	13°47	24°45	15°14	1°22	4° 0	5°55	11°32	10°53	3° 4	29°39	S 14
S 15	9 38 51	26° 3'26	16°37	1°44	9°18	14°31	24°59	15°10	1°22	4° 0	5°55	11°30	10°50	3°11	29°36	S 15
M16	9 42 47	27° 4'01	29°50	3° 3	10°19	15°15	25°14	15° 5	1°21	4° 0	5°55	11°D30	10°47	3°17	29°32	M16
T 17	9 46 44	28° 4'33	12 Ⅱ 40	4°23	11°21	15°59	25°28	15° 1	1°20	4° 0	5°55	11°R30	10°43	3°24	29°28	T 17
W18	9 50 40	29° 5'04	25°11	5°44	12°23	16°42	25°42	14°57	1°20	4° 0	5°55	11°30	10°40	3°31	29°24	W18
T 19	9 54 37	0 ★ 5'33	79528	7° 6	13°25	17°26	25°57	14°52	1°19	4° 1	5°D55	11°27	10°37	3°38	29°21	T 19
F 20	9 58 34	1° 6'00	19°34	8°30	14°27	18°10	26°11	14°47	1°18	4° 1	5°55	11°22	10°34	3°44	29°17	F 20
S 21	10 2 30	2° 6'25	1 Ω 34	9°55	15°30	18°53	26°26	14°43	1°17	4° 1	5°55	11°13	10°31	3°51	29°14	S 21
S 22	10 627	3° 6'48	13°29	11°21	16°33	19°37	26°40	14°38	1°16	4° 1	5°55	11° 2	10°27	3°58	29°11	S 22
M23	10 10 23	4° 7'10	25°22	12°48	17°37	20°20	26°54	14°34	1°15	4° 2	5°55	10°49	10°24	4° 4	29° 7	M23
T 24	10 14 20	5° 7'29	7 m 15	14°17	18°41	21° 4	27° 9	14°29	1°14	4° 2	5°55	10°34	10°21	4°11	29° 4	T 24
W25	10 18 16	6° 7'48	19° 8	15°46	19°45	21°47	27°23	14°24	1°13	4° 2	5°55	10°19	10°18	4°18	29° 1	W25
T 26	10 22 13	7° 8'04	1 ♀ 3	17°17	20°49	22°31	27°37	14°19	1°12	4° 3	5°55	10° 5	10°15	4°25	28°58	T 26
F 27	10 26 9	8° 8'19	13° 2	18°48	21°53	23°14	27°52	14°15	1°11	4° 3	5°55	9°54	10°12	4°31	28°55	F 27
S 28	10 30 6	9₩ 8'32	25 ♀ 6	20≈21	22 궁 58	23 Y 57	28≈ 6	14 Mp 10	1 M .10	4 I I 4	5 Ⅱ 55	9 Ⅱ 45	10耳 8	4 m 38	28952	S 28

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
S 1	17 s14	7 s32	3n34	20 s46	1n37	19s11	4n13	1n25	0s18	15 s 2	0 s46	7n25	2n 6	11 s27	0n33	19n22	1 s38	9n46 11s43	3 22n19	22n11	15n38	12n28	7 s45
M 2	16 57	12 27	2 42	20 52	1 26	19 16	4 9	1 43	0 17	14 57	0 46	7 27	2 6	11 27	0 33	19 22	1 38	9 46 11 43	3 22 19	22 11	15 36	12 30	7 44
T 3	16 40	16 59	1 41	20 56	1 15	19 21	4 5	2 1	0 16	14 53	0 46	7 28	2 6	11 27	0 33	19 22	1 38	9 47 11 42	2 22 19	22 10	15 34	12 31	7 44
W 4	16 22	20 51	0 33	20 59	1 4	19 25	4 2	2 20	0 15	14 48	0 46	7 30	2 6	11 27	0 33	19 22	1 38	9 47 11 42	2 22 19	22 10	15 31	12 32	7 44
T 5	16 4	23 44	0s39	21 2	0 54	19 29	3 58	2 38	0 15	14 43	0 46	7 32	2 6	11 27	0 33	19 22	1 38	9 47 11 42	2 22 19	22 9	15 29	12 33	7 44
F 6	15 46	25 15	1 51	21 3	0 43	19 33	3 54	2 56	0 14	14 39	0 46	7 33	2 7	11 27	0 33	19 22	1 38	9 47 11 42	2 22 19	22 9	15 27	12 34	7 44
S 7	15 27	25 7	2 59	21 4	0 33	19 37	3 50	3 14	0 13	14 34	0 46	7 35	2 7	11 27	0 33	19 22	1 38	9 47 11 4	22 19	22 9	15 24	12 35	7 43
S 8	15 9	23 13	3 56	21 3	0 23	19 40	3 46	3 33	0 12	14 29	0 46	7 37	2 7	11 27	0 33	19 22	1 37	9 48 11 4	22 18	22 8	15 22	12 36	7 43
M 9	14 50	19 37	4 37	21 1	0 13	19 43	3 41	3 51	0 11	14 25	0 46	7 38	2 7	11 27	0 33	19 22	1 37	9 48 11 4	22 16	22 8	15 20	12 37	7 43
T 10	14 30	14 41	4 59	20 58	0 4	19 46	3 37	4 9	0 10	14 20	0 46	7 40	2 7	11 27	0 33	19 22	1 37	9 48 11 40	22 15	22 7	15 17	12 38	7 42
W11	14 11	8 51	4 59	20 54	0s 5	19 48	3 33	4 27	0 9	14 15	0 47	7 42	2 8	11 27	0 33	19 22	1 37	9 48 11 40	22 14	22 7	15 15	12 39	7 42
T 12	13 51	2 35	4 39	20 49	0 14	19 50	3 28	4 45	0 8	14 10	0 47	7 44	2 8	11 26	0 33	19 22	1 37	9 49 11 40	22 12	22 6	15 13	12 41	7 42
F 13	13 31	3n40	4 1	20 42	0 23	19 52	3 24	5 3	0 7	14 6	0 47	7 45	2 8	11 26	0 33	19 22	1 37	9 49 11 40	22 11	22 6	15 10	12 42	7 42
S 14	13 11	9 33	3 9	20 34	0 31	19 53	3 19	5 21	0 7	14 1	0 47	7 47	2 8	11 26	0 34	19 22	1 37	9 49 11 39	22 11	22 5	15 8	12 43	7 41
S 15	12 50	14 46	2 8	20 25	0 39	19 54	3 15	5 38	0 6	13 56	0 47	7 49	2 8	11 26	0 34	19 22	1 37	9 49 11 39		-		12 44	7 41
M16	12 30	19 8	1 1	20 15	0 47		3 10	5 56	0 5	13 51	0 47	7 51	2 8	-		19 22	1 37	9 50 11 39		-	15 3	12 45	7 40
T 17	12 9	22 26	0n 6		0 54	19 54	3 5	6 14	0 4	13 47	0 47	7 53	2 8	11 25	0 34	19 22	1 37	9 50 11 38			15 1	12 46	7 40
W18	11 48	24 34	1 12	19 51	1 2	19 53	3 1	6 31	0 3	13 42	0 47	7 55	2 9	11 25	0 34	19 23	1 37	9 50 11 38	3 22 10	22 4	14 59	12 47	7 40
	11 27	-	-	19 37	1 8		2 56	6 49	0 2		0 47	7 57	2 9	11 25	0 34	19 23	1 37	9 50 11 38			14 56	12 48	7 39
F 20	11 5		3 7	19 21	1 15	19 50	2 51	7 6	0 2		0 47	7 58	2 9	11 24	0 34	19 23	1 37	9 51 11 38		22 3	14 54	12 50	7 39
S 21	10 44	23 35	3 52	19 5	1 21	19 48	2 46	7 23	0 1	13 27	0 47	8 0	2 9	11 24	0 34	19 23	1 37	9 51 11 3	7 22 8	22 2	14 52	12 51	7 38
S 22	10 22	21 2	4 26	18 47	1 27	19 46	2 41	7 41	0n 0	13 23	0 47	8 2	2 9	11 24	0 34	19 23	1 37	9 51 11 37	7 22 7	22 2	14 49	12 52	7 38
M23	10 0	17 36	4 49	18 28	1 33	19 43	2 36	7 58	0 1	13 18	0 47	8 4	2 9	11 23	0 34	19 23	1 37	9 52 11 37	7 22 5	22 1	14 47	12 53	7 37
T 24	9 38	13 28	4 59	18 7	1 38	19 39	2 31	8 15	0 2	13 13	0 48	8 6	2 9	11 23	0 34	19 23	1 37	9 52 11 30	5 22 3	22 1	14 44	12 54	7 37
W25	9 16	8 50	4 56	17 45	1 43	19 35	2 26	8 32	0 2	13 8	0 48	8 8	2 9	11 23	0 34	19 23	1 36	9 52 11 30	5 22 1	22 0	14 42	12 55	7 36
T 26	8 54	3 51	4 40	17 22	1 47	19 31	2 22	8 49	0 3	13 3	0 48	8 10	2 10	11 22	0 34	19 23	1 36	9 53 11 30	5 21 59	22 0	14 40	12 56	7 36
F 27	8 31	1 s 1 7	4 11	16 58	1 51	19 26	2 17	9 6	0 4	12 58	0 48	8 12	2 10	11 22	0 34	19 24	1 36	9 53 11 30	5 21 57	22 0	14 37	12 57	7 35
S 28	8s 9	6 s26	3n32	16 s 32	1 s55	19s20	2n12	9n22	0n 5	12 s53	0 s48	8n14	2n10	11 s21	0n34	19n24	1 s36	9n53 11s3	21n56	21n59	14n35	12n59	$7\mathrm{s}35$

Julian Day Number = 2411764.5, Delta T = -4.11 sec Ecliptic obliquity = $23^{\circ}27'15$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'09$, Lahiri = $22^{\circ}20'10$

MARCH 1891 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)Å(卉	Р	ያ	v	Ç	ę,	Day
S 1	10 34 2	10 ¥ 8'43	7 M 18	21≈55	24궁 3	24 Y 41	28≈20	14°R 5	1°R 9	4 I I 4	5 Ⅱ 56	9°R39	10 I 5	4 m 45	28°R49	S 1
M 2	10 37 59	11° 8'53	19°42	23°30	25° 8	25°24	28°35	14 Mp 0	1 m 7	4° 5	5°56	9耳36	10° 2	4°52	289546	M 2
T 3	10 41 56	12° 9'02	2 ₹ 22	25° 5	26°14	26° 7	28°49	13°56	1° 6	4° 6	5°56	9°35	9°59	4°58	28°43	T 3
W 4	10 45 52	13° 9'09	15°22	26°42	27°19	26°50	29° 3	13°51	1° 4	4° 6	5°56	9°35	9°56	5° 5	28°41	W 4
T 5	10 49 49	14° 9'14	28°46	28°21	28°25	27°33	29°17	13°46	1° 3	4° 7	5°57	9°35	9°53	5°12	28°38	T 5
F 6	10 53 45	15° 9'18	12 る 37	29°59	29°31	28°16	29°31	13°41	1° 2	4° 7	5°57	9°33	9°49	5°18	28°36	F 6
S 7	10 57 42	16° 9'21	26°56	1) (40	0≈38	28°59	29°45	13°36	1° 0	4° 8	5°57	9°28	9°46	5°25	28°33	S 7
S 8	11 138	17° 9'21	11 ≈ 41	3°21	1°44	29°42	29°59	13°32	0°58	4° 9	5°58	9°21	9°43	5°32	28°31	S 8
M 9	11 5 35	18° 9'20	26°47	5° 4	2°51	0 8 25	0) (14	13°27	0°57	4°10	5°58	9°11	9°40	5°39	28°29	M 9
T 10	11 931	19° 9'17	12) 5	6°48	3°57	1° 8	0°28	13°22	0°55	4°11	5°59	9° 0	9°37	5°45	28°27	T 10
W11	11 13 28	20° 9'12	27°23	8°32	5° 4	1°51	0°42	13°17	0°54	4°11	5°59	8°49	9°33	5°52	28°25	W11
T 12	11 17 25	21° 9'05	12 Y 30	10°18	6°11	2°34	0°56	13°13	0°52	4°12	5°59	8°39	9°30	5°59	28°23	T 12
F 13	11 21 21	22° 8'56	27°17	12° 6	7°19	3°17	1°10	13° 8	0°50	4°13	6° 0	8°31	9°27	6° 5	28°21	F 13
S 14	11 25 18	23° 8'45	11836	13°54	8°26	4° 0	1°24	13° 3	0°48	4°14	6° 0	8°26	9°24	6°12	28°20	S 14
S 15	11 29 14	24° 8'32	25°26	15°43	9°33	4°42	1°38	12°58	0°46	4°15	6° 1	8°24	9°21	6°19	28°18	S 15
M16	11 33 11	25° 8'16	8∏46	17°34	10°41	5°25	1°51	12°54	0°44	4°16	6° 1	8°D23	9°18	6°26	28°16	M16
T 17	11 37 7	26° 7'59	21°41	19°26	11°49	6° 8	2° 5	12°49	0°42	4°17	6° 2	8°R24	9°14	6°32	28°15	T 17
W18	11 41 4	27° 7'39	49513	21°19	12°57	6°50	2°19	12°45	0°41	4°18	6° 3	8°23	9°11	6°39	28°14	W18
T 19	11 45 0	28° 7'16	16°29	23°14	14° 5	7°33	2°33	12°40	0°39	4°19	6° 3	8°22	9° 8	6°46	28°12	T 19
F 20	11 48 57	29° 6'52	28°32	25° 9	15°13	8°15	2°46	12°36	0°37	4°21	6° 4	8°18	9° 5	6°53	28°11	F 20
S 21	11 52 54	0 Υ 6'25	10 Ω 28	27° 6	16°21	8°58	3° 0	12°31	0°34	4°22	6° 4	8°11	9° 2	6°59	28°10	S 21
S 22	11 56 50	1° 5'56	22°20	29° 3	17°30	9°40	3°14	12°27	0°32	4°23	6° 5	8° 2	8°59	7° 6	28° 9	S 22
M23	12 0 47	2° 5'24	4 Mp 12	1 Υ 2	18°38	10°23	3°27	12°22	0°30	4°24	6° 6	7°51	8°55	7°13	28° 9	M23
T 24	12 4 43	3° 4'50	16° 5	3° 2	19°47	11° 5	3°41	12°18	0°28	4°25	6° 6	7°39	8°52	7°19	28° 8	T 24
W25	12 8 40	4° 4'15	28° 1	5° 3	20°55	11°47	3°54	12°14	0°26	4°27	6° 7	7°26	8°49	7°26	28° 7	W25
T 26	12 12 36	5° 3'37	10 ♀ 2	7° 4	22° 4	12°30	4° 8	12° 9	0°24	4°28	6° 8	7°15	8°46	7°33	28° 7	T 26
F 27	12 16 33	6° 2'57	22° 9	9° 6	23°13	13°12	4°21	12° 5	0°21	4°29	6° 9	7° 5	8°43	7°40	28° 6	F 27
S 28	12 20 29	7° 2'15	4 M 24	11° 9	24°22	13°54	4°34	12° 1	0°19	4°31	6° 9	6°58	8°39	7°46	28° 6	S 28
S 29	12 24 26	8° 1'31	16°47	13°12	25°31	14°36	4°47	11°57	0°17	4°32	6°10	6°53	8°36	7°53	28° 6	S 29
M30	12 28 23	9° 0'46	29°20	15°15	26°41	15°18	5° 1	11°53	0°15	4°33	6°11	6°51	8°33	8° 0	28° 6	M30
T 31	12 32 19	9 Y 59'58	12 × 8	17 Y 18	27≈50	16 8 0	5) 14	11 M)49	0 M 12	4 Ⅱ 35	6 Ⅱ 12	6°D51	8 Ⅱ 30	8 m) 7	28°D 6	T 31

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S 14 S 15 M16 T 17 W18 T 19 F 20 S 21	2 43 2 20 1 56 1 32 1 9 0 45 0 21	13 9 2 17 18 2 1 8 21 49 0n 2 24 21 1 10 25 36 2 12 25 32 3 7	8 16 2 7 31 2 6 45 2 5 58 1 5 5 10 1 5 4 20 1 4 3 30 1 4	6 17 9 1 3 13 3 16 56 0 58 13 0 16 43 0 53 13 56 16 29 0 49 13 52 16 14 0 44 14 47 15 59 0 39 14 42 15 44 0 35 14	6 0 15 21 0 16 36 0 16 51 0 17 5 0 18 20 0 19	5 11 45 0 49 5 11 45 0 49 5 11 36 0 50 7 11 31 0 50 8 11 26 0 50 9 11 21 0 50 9 11 16 0 50 9 11 11 0 50	8 40 2 10 8 42 2 11 8 44 2 11 8 46 2 11 8 47 2 11 8 49 2 11 8 51 2 11	11 14 0 34 11 13 0 34 11 12 0 34 11 12 0 34 11 11 0 34 11 10 0 34 11 10 0 34	19 27 1 35 19 28 1 35	9 58 11 31 9 58 11 31 9 59 11 31 9 59 11 31 9 59 11 30 10 0 11 30 10 0 11 30	21 44 21 21 43 21 21 43 21 21 43 21	52 14 1 52 13 58 51 13 56 51 13 53 51 13 51 50 13 48 50 13 46	13 13 7 26 13 14 7 26 13 15 7 25 13 16 7 24 13 17 7 24 13 18 7 23 13 19 7 22
S 22 M23 T 24 W25 T 26 F 27 S 28 S 29 M30 T 31	0 50 1 14 1 37 2 1 2 24 2 48 3 11 3 34	5 7 4 43 0s 4 4 15 5 19 3 35	1 53 1 2 50 0 5 3 47 0 4 4 43 0 3 5 41 0 2	23 14 55 0 21 15 16 14 37 0 17 15 8 14 20 0 13 15 0 14 2 0 8 15 13 34 0 4 16 42 13 24 0 0 16 32 13 5 0 8 16 22 12 45 0 8 16	14 0 22 58 0 23 11 0 24 24 0 24 38 0 25 51 0 26	11 2 0 50 2 10 57 0 51 2 10 52 0 51 3 10 48 0 51	8 56 2 10 8 58 2 10 8 59 2 10 9 1 2 10 9 2 2 10 9 4 2 10 9 5 2 10 9 7 2 10	11 7 0 34 11 7 0 34 11 6 0 34 11 5 0 34 11 4 0 34 11 4 0 34 11 3 0 34 11 2 0 34	19 29 1 35 19 29 1 35 19 29 1 35 19 30 1 35 19 30 1 35 19 30 1 35 19 31 1 35 19 31 1 35	10 1 11 29 10 1 11 29 10 2 11 29 10 2 11 28 10 2 11 28 10 3 11 28 10 3 11 28 10 4 11 27	21 40 21 21 38 21 21 36 21 34 21 32 21 30 21 21 29 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 28 21 21 21 21 21 21 21 21 21 21 21 21 21	48 13 38 48 13 36 47 13 33 47 13 31 46 13 28 46 13 26 45 13 23 45 13 21	13 21 7 20 13 22 7 19 13 23 7 19 13 24 7 18 13 25 7 17 13 25 7 16 13 26 7 16 13 27 7 15

Julian Day Number = 2411792.5, Delta T = -4.14 sec Ecliptic obliquity = $23^{\circ}27'16$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'13$, Lahiri = $22^{\circ}20'14$

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W 1	12 36 16	10 Y 59'09	25 × 11	19Υ20	28≈59	16842	5) 27	11°R45	0°R10	4 Ⅲ 36	6 I I13	6 Ц 52	8 Ц 27	8 m 13	289 6	W 1
T 2	12 40 12	11°58'18	8 云 33	21°22	0 ∺ 9	17°24	5°40	11 Mp 41	0 M 8	4°38	6°13	6°R53	8°24	8°20	28° 6	T 2
F 3	12 44 9	12°57'26	22°17	23°23	1°19	18° 6	5°53	11°38	0° 5	4°39	6°14	6°52	8°20	8°27	28° 6	F 3
S 4	12 48 5	13°56'32	6≈24	25°22	2°28	18°48	6° 6	11°34	0° 3	4°41	6°15	6°50	8°17	8°33	28° 7	S 4
S 5	12 52 2	14°55'35	20°52	27°19	3°38	19°30	6°19	11°30	0° 0	4°43	6°16	6°46	8°14	8°40	28° 7	S 5
M 6	12 55 58	15°54'37	5) (39	29°14	4°48	20°12	6°31	11°27	29 ≏ 58	4°44	6°17	6°40	8°11	8°47	28° 8	M 6
T 7	12 59 55	16°53'37	20°38	1 8 7	5°58	20°54	6°44	11°23	29°55	4°46	6°18	6°32	8° 8	8°54	28° 9	T 7
W 8	13 3 52	17°52'36	5 ℃ 41	2°57	7° 8	21°35	6°57	11°20	29°53	4°47	6°19	6°25	8° 4	9° 0	28° 9	W 8
T 9	13 7 48	18°51'32	20°37	4°43	8°18	22°17	7° 9	11°17	29°50	4°49	6°20	6°18	8° 1	9° 7	28°10	T 9
F 10	13 11 45	19°50'26	5 8 19	6°26	9°28	22°59	7°22	11°13	29°48	4°51	6°21	6°12	7°58	9°14	28°11	F 10
S 11	13 15 41	20°49'18	19°39	8° 5	10°38	23°40	7°34	11°10	29°45	4°52	6°22	6° 9	7°55	9°20	28°12	S 11
S 12	13 19 38	21°48'09	3 II 32	9°40	11°48	24°22	7°46	11° 7	29°43	4°54	6°23	6°D 8	7°52	9°27	28°14	S 12
M13	13 23 34	22°46'56	16°59	11°10	12°58	25° 4	7°59	11° 4	29°40	4°56	6°24	6° 8	7°49	9°34	28°15	M13
T 14	13 27 31	23°45'42	29°59	12°36	14° 9	25°45	8°11	11° 1	29°38	4°58	6°25	6°10	7°45	9°41	28°16	T 14
W15	13 31 27	24°44'26	12937	13°57	15°19	26°27	8°23	10°59	29°35	5° 0	6°26	6°11	7°42	9°47	28°18	W15
T 16	13 35 24	25°43'07	24°56	15°13	16°30	27° 8	8°35	10°56	29°33	5° 1	6°27	6°R12	7°39	9°54	28°20	T 16
F 17	13 39 21	26°41'46	7 Ω 2	16°24	17°40	27°49	8°47	10°53	29°30	5° 3	6°28	6°11	7°36	10° 1	28°21	F 17
S 18	13 43 17	27°40'23	18°59	17°29	18°51	28°31	8°59	10°51	29°28	5° 5	6°29	6° 9	7°33	10° 8	28°23	S 18
S 19	13 47 14	28°38'57	0 m 51	18°29	20° 1	29°12	9°11	10°48	29°25	5° 7	6°30	6° 5	7°30	10°14	28°25	S 19
M20	13 51 10	29°37'29	12°43	19°24	21°12	29°53	9°22	10°46	29°22	5° 9	6°31	6° 0	7°26	10°21	28°27	M20
T 21	13 55 7	0836'00	24°38	20°13	22°23	0 Ⅱ 34	9°34	10°44	29°20	5°11	6°33	5°53	7°23	10°28	28°29	T 21
W22	13 59 3	1°34'28	6 ₾ 39	20°56	23°33	1°16	9°45	10°41	29°17	5°13	6°34	5°47	7°20	10°34	28°31	W22
T 23	14 3 0	2°32'54	18°48	21°34	24°44	1°57	9°57	10°39	29°15	5°15	6°35	5°41	7°17	10°41	28°34	T 23
F 24	14 6 56	3°31'18	1 M 6	22° 6	25°55	2°38	10° 8	10°37	29°12	5°16	6°36	5°36	7°14	10°48	28°36	F 24
S 25	14 10 53	4°29'40	13°35	22°32	27° 6	3°19	10°19	10°36	29°10	5°18	6°37	5°33	7°10	10°55	28°39	S 25
S 26	14 14 49	5°28'01	26°14	22°52	28°17	4° 0	10°30	10°34	29° 7	5°20	6°38	5°31	7° 7	11° 1	28°41	S 26
M27	14 18 46	6°26'20	9 ∡ 7 6	23° 7	29°28	4°41	10°41	10°32	29° 5	5°22	6°40	5°D31	7° 4	11°8	28°44	M27
T 28	14 22 43	7°24'37	22°11	23°16	0 Υ 39	5°22	10°52	10°31	29° 2	5°24	6°41	5°32	7° 1	11°15	28°47	T 28
W29	14 26 39	8°22'53	5 云 29	23°R19	1°50	6° 3	11° 3	10°29	29° 0	5°27	6°42	5°33	6°58	11°22	28°50	W29
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W15	9 35	25 55	3 5	18 20	2 25	6 45	1 3		0 35	9 16	0 54	9 27	2 9	10 48	0 34	19 36	1 34				21 37			7 3
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T 23	12 22			20 55	2 52			21 12		8 42	0 55	9 33		10 42		19 39					21 33			6 57
F 24	12 42			21 2	2 50	2 55		21 20	0 39	8 38	0 56	9 34	2 8	-		19 40					21 32			6 56
S 25	13 2	14 4	1 57	21 6	2 47	2 29	1 27	21 29	0 40	8 34	0 56	9 34	2 8	10 39	0 34	19 40	1 34	10 13	11 22	21 15	21 31	12 13	13 39	6 56
S 26	13 21	18 30	0 51	21 8	2 43	2 2	1 29	21 37	0 40	8 30	0 56	9 35	2 8	10 38	0 34	19 40	1 34	10 13	11 22	21 14	21 31	12 11	13 40	6 55
M27	13 40	22 9	0 s20	21 7	2 38	1 36	1 30	21 45	0 41	8 26	0 56	9 35	2 7	10 37	0 34	19 41	1 33	10 14	11 22	21 14	21 30	12 8	13 40	6 54
T 28	14 0		1 30		2 31	1 9		21 53		8 22	0 56	9 36	2 7	10 36	0 34	19 41	1 33				21 30		13 40	6 54
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T 30	14n37	25 s40	3 s 3 6	20n47	2n15	0s16	1 s35	22n 8	0n42	8s14	0 s57	9n36	2n 7	10 s35	0n34	19n42	1 s33	10n15	11 s21	21n15	21n29	12n 0	13n40	6 s 5 2

 $\label{eq:Julian Day Number = 2411823.5, Delta\ T = -4.16\ sec} \\ Ecliptic\ obliquity = 23°27'16, Nutation = -0°00'16, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 23°13'17, Lahiri = 22°20'18 \\$

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S 2	14 38 29	11°17'31	16°51	22 8 59	5°23	8° 5	11°35	10 m 25	28 ≏ 52	5°33	6°46	5°R36	6°48	11°42	28°59	S 2
S 3	14 42 25	12°15'41	1) 7	22°42	6°35	8°46	11°46	10°24	28°50	5°35	6°47	5°35	6°45	11°48	29° 2	S 3
M 4	14 46 22	13°13'49	15°34	22°21	7°46	9°27	11°56	10°23	28°47	5°37	6°48	5°33	6°42	11°55	29° 5	M 4
T 5	14 50 18	14°11'56	0Υ 9	21°56	8°57	10° 7	12° 6	10°22	28°45	5°39	6°50	5°30	6°39	12° 2	29° 9	T 5
W 6	14 54 15	15°10'01	14°45	21°28	10° 9	10°48	12°16	10°22	28°42	5°41	6°51	5°27	6°36	12° 9	29°12	W 6
T 7	14 58 12	16° 8'05	29°17	20°57	11°20	11°29	12°26	10°21	28°40	5°43	6°52	5°25	6°32	12°15	29°16	T 7
F 8	15 2 8	17° 6'08	13 8 39	20°24	12°31	12° 9	12°36	10°20	28°37	5°45	6°53	5°23	6°29	12°22	29°20	F 8
S 9	15 6 5	18° 4'08	27°44	19°50	13°43	12°50	12°46	10°20	28°35	5°48	6°55	5°22	6°26	12°29	29°23	S 9
S 10	15 10 1	19° 2'08	11 II 30	19°14	14°54	13°30	12°56	10°20	28°33	5°50	6°56	5°D22	6°23	12°35	29°27	S 10
M11	15 13 58	20° 0'05	24°53	18°37	16° 6	14°11	13° 5	10°19	28°30	5°52	6°57	5°23	6°20	12°42	29°31	M11
T 12	15 17 54	20°58'01	79554	18° 1	17°17	14°51	13°15	10°19	28°28	5°54	6°59	5°24	6°16	12°49	29°35	T 12
W13	15 21 51	21°55'55	20°35	17°26	18°29	15°32	13°24	10°D19	28°26	5°56	7° 0	5°25	6°13	12°56	29°39	W13
T 14	15 25 48	22°53'48	2 Ω 57	16°53	19°40	16°12	13°33	10°19	28°23	5°58	7° 1	5°26	6°10	13° 2	29°44	T 14
F 15	15 29 44	23°51'38	15° 6	16°21	20°52	16°52	13°42	10°19	28°21	6° 1	7° 3	5°27	6° 7	13° 9	29°48	F 15
S 16	15 33 41	24°49'27	27° 5	15°52	22° 4	17°33	13°51	10°20	28°19	6° 3	7° 4	5°R27	6° 4	13°16	29°52	S 16
S 17	15 37 37	25°47'14	8 m 58	15°26	23°15	18°13	14° 0	10°20	28°17	6° 5	7° 5	5°27	6° 1	13°23	29°57	S 17
M18	15 41 34	26°45'00	20°52	15° 3	24°27	18°53	14° 8	10°21	28°15	6° 7	7° 7	5°26	5°57	13°29	0 Ω 1	M18
T 19	15 45 30	27°42'44	2 ≏ 49	14°44	25°39	19°33	14°17	10°21	28°13	6°10	7° 8	5°25	5°54	13°36	0° 6	T 19
W20	15 49 27	28°40'26	14°53	14°29	26°50	20°14	14°25	10°22	28°10	6°12	7° 9	5°24	5°51	13°43	0°10	W20
T 21	15 53 23	29°38'07	27° 9	14°18	28° 2	20°54	14°34	10°23	28° 8	6°14	7°11	5°23	5°48	13°49	0°15	T 21
F 22	15 57 20	0 Ⅲ 35'46	9 ™ 37	14°11	29°14	21°34	14°42	10°24	28° 6	6°16	7°12	5°23	5°45	13°56	0°20	F 22
S 23	16 1 16	1°33'24	22°21	14°D 9	0826	22°14	14°50	10°25	28° 4	6°18	7°13	5°22	5°42	14° 3	0°25	S 23
S 24	16 5 13	2°31'00	5 ₹ 20	14°11	1°37	22°54	14°57	10°26	28° 2	6°21	7°15	5°D22	5°38	14°10	0°30	S 24
M25	16 9 10	3°28'36	1 <u>8</u> °34	14°18	2°49	23°34	15° 5	10°27	28° 0	6°23	7°16	5°22	5°35	14°16	0°35	M25
T 26	16 13 6	4°26'10	2중 3	14°29	4° 1	24°14	15°13	10°28	27°59	6°25	7°17	5°22	5°32	14°23	0°40	T 26
W27	16 17 3	5°23'44	15°45	14°45	5°13	24°54	15°20	10°30	27°57	6°27	7°19	5°R23	5°29	14°30	0°45	W27
T 28	16 20 59	6°21'16	29°38	15° 5	6°25	25°34	15°27	10°31	27°55	6°30	7°20	5°22	5°26	14°36	0°50	T 28
F 29	16 24 56	7°18'48	13≈40	15°30	7°37	26°13	15°35	10°33	27°53	6°32	7°22	5°22	5°22	14°43	0°55	F 29
S 30	16 28 52	8°16'18	27°49	15°59	8°49	26°53	15°42	10°35	27°51	6°34	7°23	5°22	5°19	14°50	1° 1	S 30
S 31	16 32 49	9 Ⅱ 13'48	12 米 3	16 8 32	108 1	27 Ⅲ 33	15 ¥ 48	10 m 37	27 ≙ 50	6 II 36	7 Ⅱ 24	5°D22	5 Ⅱ 16	14 m 57	1 N 6	S 31

Day	0	D	ğ	φ	3	4	ħ)Å(卉	Р	w v	Ç	ę,
	decl	decl lat	decl lat	decl lat decl	lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
F 1 S 2			20n35 2n 4 20 21 1 53			8s10 0s57 8 6 0 57		10 s34 0n34 10 33 0 34	19n42 1 s33 19 43 1 33	10n15 11 s21 10 15 11 21			
S 3 M 4	15 32 15 49	15 57 5 13 10 27 5 9	20 5 1 40 19 46 1 27	1 5 1 40 22 29 1 32 1 41 22 36	0 43 0 44	8 2 0 57 7 59 0 58	9 37 2 7 9 38 2 6			10 16 11 21 10 16 11 21			
T 5 W 6 T 7	16 7 16 24 16 41		19 3 0 57	1 59 1 42 22 43 2 26 1 43 22 49 2 53 1 44 22 55	0 45	7 55 0 58 7 51 0 58 7 48 0 58	9 38 2 6 9 38 2 6 9 38 2 6	10 29 0 34	19 44 1 33 19 44 1 33 19 45 1 33	10 17 11 20	21 14 21 2	5 11 44	
F 8 S 9	16 57	14 5 1 57			0 45	7 44 0 58 7 41 0 59	9 38 2 6 9 38 2 6	10 28 0 34	19 45 1 33		21 13 21 2	4 11 39	13 40 6 47
S 10 M11 T 12	17 29 17 45 18 1				0 46 0 47 0 47	7 37 0 59 7 34 0 59 7 30 0 59	9 38 2 6 9 38 2 5 9 38 2 5	10 25 0 34	19 46 1 33 19 46 1 33 19 47 1 33	10 18 11 20	21 13 21 2	3 11 31	13 40 6 45
W13 T 14	18 16 18 31	25 34 3 44 23 50 4 27	16 3 1 3 15 37 1 20	5 35 1 48 23 27 6 2 1 48 23 32	0 48 0 48	7 27 1 0 7 24 1 0	9 38 2 5 9 38 2 5	10 24 0 34 10 23 0 34	19 47 1 33 19 47 1 33	10 19 11 20 10 19 11 20	21 13 21 2 21 13 21 2	2 11 26 1 11 23	13 39 6 43 13 39 6 43
F 15 S 16		17 23 5 13	15 12 1 36 14 49 1 52	6 55 1 49 23 41	0 48 0 49	7 20 1 0 7 17 1 0			19 48 1 33 19 48 1 33	10 20 11 19	21 14 21 2	0 11 17	13 39 6 42
S 17 M18 T 19	19 13 19 27 19 40	8 18 5 5 3 11 4 41	13 49 2 33	7 47 1 49 23 49 8 14 1 49 23 52	0 49 0 49 0 50	7 14 1 1 7 11 1 1 7 8 1 1	9 37 2 4 9 37 2 4 9 36 2 4	10 20 0 34			21 13 21 1 21 13 21 1	9 11 12 8 11 9	
W20 T 21 F 22	19 53 20 5 20 17		13 33 2 46 13 20 2 57 13 8 3 6	9 5 1 49 23 59	0 50 0 51 0 51	7 5 1 1 7 2 1 2 6 59 1 2	9 36 2 4 9 35 2 4 9 35 2 4	10 18 0 34	19 50 1 33 19 50 1 33 19 51 1 33	10 21 11 19	21 13 21 1	7 11 4	13 37 6 39 13 37 6 38 13 37 6 38
S 23 S 24			12 59 3 15 12 52 3 23		0 51 0 52	6 56 1 2 6 53 1 2				10 22 11 19 10 22 11 19			
	21 3	25 49 2 23		10 47 1 47 24 10 11 12 1 46 24 12 11 36 1 46 24 14		6 50 1 3 6 48 1 3 6 45 1 3	9 33 2 3 9 32 2 3 9 32 2 3	10 14 0 34	19 52 1 33 19 52 1 33 19 52 1 33	10 22 11 19	21 13 21 1	4 10 50	13 35 6 36
T 28 F 29	21 23 21 33	24 26 4 17 21 26 4 54	12 49 3 43 12 53 3 46	12 1 1 45 24 16 12 25 1 44 24 17	0 53 0 53	6 42 1 3 6 40 1 4	9 31 2 3 9 30 2 2	10 13 0 33 10 12 0 33	19 53 1 33 19 53 1 33	10 23 11 19 10 23 11 19	21 13 21 1 21 13 21 1	3 10 45 3 10 42	13 34 6 34 13 33 6 34
	21 42 21n51		13 0 3 47 13n 9 3 s48			6 38 1 4 6s35 1s 4			19 54 1 33 19n54 1 s33	10 23 11 19 10n24 11s19			

Julian Day Number = 2411853.5, Delta T = -4.18 sec Ecliptic obliquity = $23^{\circ}27'16$, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'22$, Lahiri = $22^{\circ}20'22$

JUNE 1891 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(并	Р	n	Ω	ţ	ę,	Day
M 1	16 36 46	10 I I1'17	26) 18	17 8 9	11813	28 I I13	15) 55	10 m 38	27°R48	6 Ⅱ 39	7 Ⅱ 26	5 Ⅱ 22	5 Ⅱ 13	15 m 3	1Ω12	M 1
T 2	16 40 42	11° 8'46	10 Y 33	17°50	12°25	28°53	16° 2	10°40	27 ≏ 46	6°41	7°27	5°23	5°10	15°10	1°17	T 2
W 3	16 44 39	12° 6'13	24°43	18°35	13°37	29°32	16° 8	10°43	27°45	6°43	7°28	5°23	5° 7	15°17	1°23	W 3
T 4	16 48 35	13° 3'40	8 8 47	19°23	14°49	09512	16°14	10°45	27°43	6°45	7°30	5°24	5° 3	15°24	1°28	T 4
F 5	16 52 32	14° 1'07	22°42	20°16	16° 1	0°52	16°20	10°47	27°42	6°48	7°31	5°24	5° 0	15°30	1°34	F 5
S 6	16 56 28	14°58'32	6 Ⅱ 23	21°12	17°14	1°31	16°26	10°50	27°40	6°50	7°33	5°R25	4°57	15°37	1°40	S 6
S 7	17 0 25	15°55'57	19°50	22°11	18°26	2°11	16°32	10°52	27°39	6°52	7°34	5°24	4°54	15°44	1°46	S 7
M 8	17 421	16°53'21	3 95 1	23°14	19°38	2°51	16°37	10°55	27°37	6°54	7°35	5°23	4°51	15°50	1°52	M 8
T 9	17 8 18	17°50'44	15°54	24°20	20°50	3°30	16°43	10°57	27°36	6°57	7°37	5°22	4°48	15°57	1°58	T 9
W10	17 12 15	18°48'06	28°31	25°30	22° 2	4°10	16°48	11° 0	27°35	6°59	7°38	5°20	4°44	16° 4	2° 4	W10
T 11	17 16 11	19°45'27	10 Ω 52	26°43	23°15	4°49	16°53	11° 3	27°33	7° 1	7°39	5°18	4°41	16°11	2°10	T 11
F 12	17 20 8	20°42'47	23° 1	27°59	24°27	5°29	16°58	11° 6	27°32	7° 3	7°41	5°16	4°38	16°17	2°16	F 12
S 13	17 24 4	21°40'07	5 m y 0	29°18	25°39	6° 8	17° 3	11° 9	27°31	7° 5	7°42	5°15	4°35	16°24	2°22	S 13
S 14	17 28 1	22°37'25	16°54	0 Ц 40	26°52	6°47	17° 7	11°12	27°30	7° 8	7°43	5°14	4°32	16°31	2°28	S 14
M15	17 31 57	23°34'42	28°47	2° 6	28° 4	7°27	17°11	11°16	27°29	7°10	7°45	5°D14	4°28	16°37	2°35	M15
T 16	17 35 54	24°31'59	10 ≏ 45	3°34	29°16	8° 6	17°16	11°19	27°28	7°12	7°46	5°15	4°25	16°44	2°41	T 16
W17	17 39 50	25°29'14	22°50	5° 6	0Ⅱ29	8°46	17°20	11°22	27°27	7°14	7°47	5°16	4°22	16°51	2°47	W17
T 18	17 43 47	26°26'29	5 M 9	6°40	1°41	9°25	17°24	11°26	27°26	7°16	7°49	5°18	4°19	16°58	2°54	T 18
F 19	17 47 44	27°23'44	17°44	8°18	2°54	10° 4	17°27	11°29	27°25	7°18	7°50	5°19	4°16	17° 4	3° 0	F 19
S 20	17 51 40	28°20'57	0 ∡ 38	9°58	4° 6	10°43	17°31	11°33	27°24	7°20	7°51	5°R20	4°13	17°11	3° 7	S 20
S 21	17 55 37	29°18'11	13°53	11°42	5°18	11°23	17°34	11°37	27°23	7°23	7°52	5°20	4° 9	17°18	3°13	S 21
M22	17 59 33	09515'23	27°28	13°28	6°31	12° 2	17°37	11°41	27°23	7°25	7°54	5°18	4° 6	17°25	3°20	M22
T 23	18 3 30	1°12'36	11 る 23	15°17	7°44	12°41	17°40	11°45	27°22	7°27	7°55	5°16	4° 3	17°31	3°26	T 23
W24	18 7 26	2° 9'48	25°33	17° 9	8°56	13°20	17°43	11°49	27°21	7°29	7°56	5°13	4° 0	17°38	3°33	W24
T 25	18 11 23	3° 7'00	9≈53	19° 3	10° 9	13°59	17°45	11°53	27°21	7°31	7°58	5° 9	3°57	17°45	3°40	T 25
F 26	18 15 19	4° 4'12	24°19	21° 0	11°21	14°38	17°48	11°57	27°20	7°33	7°59	5° 5	3°54	17°51	3°47	F 26
S 27	18 19 16	5° 1'23	8) 45	23° 0	12°34	15°17	17°50	12° 1	27°20	7°35	8° 0	5° 2	3°50	17°58	3°53	S 27
S 28	18 23 13	5°58'35	23° 6	25° 1	13°47	15°56	17°52	12° 6	27°19	7°37	8° 1	5° 0	3°47	18° 5	4° 0	S 28
M29	18 27 9	6°55'47	7 Υ 20	27° 5	14°59	16°35	17°54	12°10	27°19	7°39	8° 3	4°D59	3°44	18°12	4° 7	M29
T 30	18 31 6	7952'59	21 Y 24	29Ⅱ10	16 Ⅱ 12	179514	17 米 55	12 m 15	27 ≏ 19	7 Ⅱ 41	8 I I 4	5 I I 0	3 Ⅱ 41	18 M p18	4Ω 14	T 30

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	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n59	6s 0	4 s 5 6	13n20	3 s47	13n36	1 s41 2	4n21	0n54	6 s 3 3	1 s 4	9n28	2n 2	10 s1	0n33	19n54	1 s33	10n24	11s18	21n13	21n11	10n34	13n31	6 s32
T 2	22 8		-	13 32	3 46		1 40 2		0 55	6 30	1 5	9 27		10 10		19 55		10 24						6 32
W 3	22 15	6 22	3 27	13 46	3 44	14 22	1 39 2	4 22	0 55	6 28	1 5	9 26	2 2	10 10	0 33	19 55	1 33	10 24	11 18	21 13	21 10	10 28	13 30	6 31
T 4		12 12	2 22	14 2	3 41	14 44		4 23	0 55	6 26	1 5	9 25	2 1	10 9	0 33	19 56	1 33			21 13		10 25	13 29	6 31
F 5			-	14 20	3 37	15 6	1 37 2		0 56	6 24	1 5	9 24	2 1		0 33					21 13			13 28	6 30
S 6	22 36	21 29	0n 5	14 38	3 33	15 28	1 35 2	24 23	0 56	6 22	1 6	9 23	2 1	10 8	0 33	19 56	1 33	10 25	11 18	21 13	21 8	10 20	13 28	6 30
S 7	22 43	24 23	1 19	14 59	3 28	15 49	1 34 2	4 22	0 56	6 20	1 6	9 22	2 1	10 8	0 33	19 57	1 33	10 25	11 18	21 13	21 8	10 17	13 27	6 29
M 8	22 48	25 52	2 27	15 20	3 22	16 10	1 32 2	4 22	0 56	6 18	1 6	9 21	2 1	10	0 33	19 57	1 33	10 26	11 18	21 13	21 7	10 14	13 26	6 29
T 9	22 54	25 54	3 25	15 42	3 16	16 31	1 31 2	4 21	0 57	6 16	1 7	9 19	2 1	10	0 33	19 57	1 33	10 26	11 18	21 13	21 6	10 12	13 25	6 28
W10	22 59		4 13			16 51	1 29 2		0 57	6 14	1 7	9 18			0 33	19 58		10 26				10 9	13 24	6 28
T 11	23 4	22 7	4 47	16 30	3 1	17 11	1 28 2	4 19	0 57	6 13	1 7	9 17	2 0	10	0 33	19 58	1 33	10 26	11 18	21 12	21 5	10 6	13 23	6 28
F 12	23 8	18 42		16 55		17 30	1 26 2		0 58	6 11	1 7	9 16	2 0	10 3	0 33	19 58		10 26					13 23	6 27
S 13	23 12	14 34	5 15	17 20	2 45	17 49	1 24 2	4 17	0 58	6 10	1 8	9 14	2 0	10 3	0 33	19 59	1 33	10 26	11 18	21 11	21 4	10 0	13 22	6 27
S 14	23 15	9 55	5 9	17 46	2 35	18 8	1 23 2	4 15	0 58	6 8	1 8	9 13	2 0	10 5	0 33	19 59	1 33	10 27	11 18	21 11	21 4	9 58	13 21	6 26
M15	23 18	4 54	4 49	18 13	2 26	18 26	1 21 2	4 13	0 58	6 7	1 8	9 12	2 0	10 4	0 33	20 0	1 33	10 27	11 19	21 11	21 3	9 55	13 20	6 26
T 16	23 20	0s19	4 17	18 39	2 16	18 43	1 19 2	4 11	0 59	6 5	1 9	9 10	2 0	10 4	0 33	20 0	1 33	10 27	11 19	21 11	21 2	9 52	13 19	6 25
W17	23 23	5 35	3 33	19 6	2 6	19 1	1 17 2	4 9	0 59	6 4	1 9	9 9	1 59	10 4	0 33	20 0	1 33	10 27	11 19	21 12	21 2	9 49	13 18	6 25
T 18	23 24	10 45	2 39	19 33	1 55	19 17	1 15 2	4 6	0 59	6 3	1 9	9 7	1 59	10	0 33	20 1	1 33	10 27	11 19	21 12	21 1	9 46	13 17	6 25
	23 26		1 35	20 0			1 13 2		1 0	6 2	1 9	9 6	1 59	10	0 33	20 1	1 33			21 12		9 44	13 16	6 24
S 20	23 27	19 53	0 26	20 26	1 33	19 49	1 11 2	.4 1	1 0	6 0	1 10	9 4	1 59	10	0 33	20 1	1 33	10 28	11 19	21 12	21 0	9 41	13 15	6 24
S 21	23 27	23 15	0 s47	20 52	1 21	20 4	1 9 2	3 58	1 0	5 59	1 10	9 3	1 59	10	0 33	20 2	1 33	10 28	11 19	21 12	20 59	9 38	13 14	6 23
M22	23 27	25 24	1 59	21 17	1 10	20 19	1 7 2	3 55	1 0	5 59	1 10	9 1	1 59	10 2	0 33	20 2	1 33	10 28	11 19	21 12	20 59	9 35	13 12	6 23
T 23	23 27	26 2	3 5	21 41	0 58	20 33	1 4 2	3 51	1 0	5 58	1 11	8 59	1 59	10 2	0 33	20 2	1 33	10 28	11 19	21 12	20 58	9 32	13 11	6 23
W24	23 26	25 0	4 1	22 4	0 46	20 47	1 2 2	3 48	1 1	5 57	1 11	8 58	1 59	10 2	0 33	20 3	1 33	10 28	11 19	21 11	20 58	9 29	13 10	6 22
T 25	23 25	22 19	4 43	22 26	0 35	21 0	1 0 2	3 44	1 1	5 56	1 11	8 56	1 58	10 2	0 33	20 3	1 33	10 28	11 19	21 10	20 57	9 27	13 9	6 22
F 26	23 23	18 15	5 7	22 46		21 12	0 58 2	23 40	1 1	5 55	1 12	8 54	1 58	10 2	0 33	20 3				21 10			13 8	6 22
S 27	23 22	13 6	5 12	23 5	0 11	21 24	0 55 2	3 36	1 1	5 55	1 12	8 53	1 58	10	0 32	20 3	1 33	10 29	11 19	21 9	20 56	9 21	13 7	6 21
S 28	23 19	7 17	4 57	23 22	0n 0	21 35	0 53 2	3 31	1 2	5 54	1 12	8 51	1 58	10	0 32	20 4	1 33	10 29	11 19	21 9	20 55	9 18	13 5	6 21
M29	23 16			23 36		21 46	0 51 2	3 27	1 2	5 54	1 12	8 49	1 58	10	0 32	20 4	1 33	10 29	11 19	21 9	20 55	9 15	13 4	6 21
T 30	23n13	5n 1	3 s 3 6	23n49	0n22	21n56	0 s48 2	3n22	1n 2	5 s 5 4	1 s13	8n47	1n58	10 s	0n32	20n 4	1 s33	10n29	11s19	21n 9	20n54	9n12	13n 3	6 s20

Julian Day Number = 2411884.5, Delta T = -4.21 sec Ecliptic obliquity = $23^{\circ}27'16$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'26$, Lahiri = $22^{\circ}20'26$

JULY 1891 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)ф(#	Р	n	Ω	Ç	ķ	Day
W 1	18 35 2	8950'11	5 8 16	19917	17 II 25	17953	17) 57	12 m 19	27°R18	7 Ⅱ 43	8耳 5	5 I 1	3Д38	18 m 25	4 Ω 21	W 1
T 2	18 38 59	9°47'24	18°57	3°25	18°38	18°32	17°58	12°24	27 ₽ 18	7°45	8° 6	5° 3	3°34	18°32	4°28	T 2
F 3	18 42 55	10°44'36	2 II 26	5°34	19°50	19°11	17°59	12°29	27°18	7°47	8° 7	5°R 3	3°31	18°38	4°35	F 3
S 4	18 46 52	11°41'49	15°43	7°44	21° 3	19°50	18° 0	12°33	27°18	7°49	8° 9	5° 3	3°28	18°45	4°42	S 4
S 5	18 50 48	12°39'02	28°47	9°54	22°16	20°29	18° 0	12°38	27°18	7°51	8°10	5° 1	3°25	18°52	4°49	S 5
M 6	18 54 45	13°36'16	119539	12° 4	23°29	21° 8	18° 1	12°43	27°D18	7°53	8°11	4°57	3°22	18°59	4°56	M 6
T 7	18 58 42	14°33'29	24°18	14°14	24°42	21°47	18° 1	12°48	27°18	7°55	8°12	4°51	3°19	19° 5	5° 3	T 7
W 8	19 238	15°30'42	6 Ω 45	16°24	25°55	22°26	18°R 1	12°53	27°18	7°57	8°13	4°44	3°15	19°12	5°10	W 8
T 9	19 635	16°27'56	19° 1	18°33	27° 8	23° 5	18° 1	12°59	27°18	7°58	8°14	4°37	3°12	19°19	5°18	T 9
F 10	19 10 31	17°25'09	1 Mp 6	20°41	28°21	23°44	18° 1	13° 4	27°18	8° 0	8°15	4°30	3° 9	19°25	5°25	F 10
S 11	19 14 28	18°22'22	13° 3	22°48	29°34	24°22	18° 0	13° 9	27°18	8° 2	8°16	4°23	3° 6	19°32	5°32	S 11
S 12	19 18 24	19°19'36	24°56	24°54	0947	25° 1	17°59	13°15	27°19	8° 4	8°18	4°19	3° 3	19°39	5°39	S 12
M13	19 22 21	20°16'49	6 ≏ 47	26°58	2° 0	25°40	17°58	13°20	27°19	8° 6	8°19	4°16	3° 0	19°46	5°47	M13
T 14	19 26 18	21°14'02	18°43	29° 1	3°13	26°19	17°57	13°25	27°20	8° 7	8°20	4°D15	2°56	19°52	5°54	T 14
W15	19 30 14	22°11'16	0 M .47	1 Q 2	4°26	26°57	17°56	13°31	27°20	8° 9	8°21	4°15	2°53	19°59	6° 1	W15
T 16	19 34 11	23° 8'30	13° 4	3° 2	5°39	27°36	17°54	13°37	27°21	8°11	8°22	4°16	2°50	20° 6	6° 9	T 16
F 17	19 38 7	24° 5'43	25°40	5° 0	6°52	28°15	17°53	13°42	27°21	8°13	8°23	4°17	2°47	20°13	6°16	F 17
S 18	19 42 4	25° 2'58	8 ₹ 38	6°56	8° 5	28°53	17°51	13°48	27°22	8°14	8°24	4°R17	2°44	20°19	6°23	S 18
S 19	19 46 0	26° 0'12	22° 1	8°51	9°19	29°32	17°49	13°54	27°22	8°16	8°25	4°16	2°40	20°26	6°31	S 19
M20	19 49 57	26°57'27	5 云 50	10°44	10°32	0Ω 11	17°47	14° 0	27°23	8°18	8°26	4°12	2°37	20°33	6°38	M20
T 21	19 53 53	27°54'42	20° 4	12°35	11°45	0°49	17°44	14° 6	27°24	8°19	8°27	4° 7	2°34	20°39	6°45	T 21
W22	19 57 50	28°51'58	4≈37	14°24	12°59	1°28	17°41	14°12	27°25	8°21	8°28	3°59	2°31	20°46	6°53	W22
T 23	20 1 47	29°49'14	19°24	16°11	14°12	2° 6	17°39	14°18	27°26	8°22	8°29	3°51	2°28	20°53	7° 0	T 23
F 24	20 5 43	0 Ω 46'31	4 ∺ 16	17°57	15°25	2°45	17°36	14°24	27°27	8°24	8°29	3°43	2°25	21° 0	7° 8	F 24
S 25	20 9 40	1°43'49	19° 5	19°41	16°39	3°24	17°32	14°30	27°27	8°25	8°30	3°36	2°21	21° 6	7°15	S 25
S 26	20 13 36	2°41'07	3 Υ43	21°23	17°52	4° 2	17°29	14°36	27°29	8°27	8°31	3°31	2°18	21°13	7°23	S 26
M27	20 17 33	3°38'27	18° 5	23° 4	19° 5	4°41	17°25	14°42	27°30	8°28	8°32	3°27	2°15	21°20	7°30	M27
T 28	20 21 29	4°35'48	2 8 9	24°42	20°19	5°19	17°22	14°49	27°31	8°30	8°33	3°D26	2°12	21°26	7°38	T 28
W29	20 25 26	5°33'09	15°54	26°19	21°32	5°58	17°18	14°55	27°32	8°31	8°34	3°27	2° 9	21°33	7°45	W29
T 30	20 29 22	6°30'32	29°21	27°55	22°46	6°36	17°14	15° 1	27°33	8°33	8°35	3°R27	2° 6	21°40	7°53	T 30
F 31	20 33 19	$7\Omega 27'56$	12 Ⅱ 32	29 N 28	2499 0	7Ω 15	17 米 9	15 m) 8	27 ≏ 34	8耳34	8耳35	3 Ⅱ 27	2 II 2	21 M 47	8Ω 0	F 31

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F 3	23 1	20 26	0 14	24 12	0 51	22 23	0 41	23 7	1 3	5 53	1 14	8 41	1 57	10 1	0 32	20 5	1 33	10 29 11 2	0 21 9	20 52	9 4	12 59	6 20
S 4	22 56	23 39	0n58	24 14	1 0	22 31	0 39	23 1	1 3	5 53	1 14	8 39	1 57	10 1	0 32	2 20 6	1 33	10 29 11 2	0 21 9	20 52	9 1	12 57	6 19
S 5 M 6	22 51 22 46			24 13 24 10	1 8		0 36 0 34	22 56 22 50	1 3	5 53 5 53	1 14 1 15	8 37 8 35	1 57 1 57	-	0 32		1 33 1 33			20 51 20 50		12 56 12 55	6 19 6 19
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S 12	22 4	6 26	4 49	22 53	1 45	23 9	0 18	22 12	1 4	5 55	1 16	8 23	1 56	10 2	0 32	20 8	1 33	10 30 11 2	1 21 1	20 47	8 38	12 46	6 17
M13 T 14	21 55		-	22 32	1 47	_	0 16	-	1 5	5 56	1 17	8 21	1 56	-						20 46		12 44	6 17
W15	21 47 21 38	3 s56		22 8 21 43	1 48 1 49		0 13	21 58 21 51	1 5	5 57 5 57	1 17 1 17	8 18 8 16		-			1 34			20 46		12 43 12 41	6 17
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T 21	20 47			18 39	1 43			21 12	1 6 1 6		1 19	8 2	1 55			20 10						12 33	6 16
W22	20 24	23 25	4 26	18 4	1 37	22 56	0 7	20 55	1 6	6 5	1 19	8 0	1 55	10 4	0 32	20 10	1 34					12 30	6 16
T 23	-	19 41		17 28	1 33	-	0 10		1 6		1 20	7 57	1 55	-		20 10						12 28	6 16
F 24 S 25	20 0 19 47			16 52 16 14		22 46 22 39	0 12	20 38 20 29	1 6		1 20 1 20	7 55 7 53	1 55 1 55			20 10 20 11	1 34				8 3 8 0	12 26 12 25	6 16 6 15
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T 30 F 31		19 40 23n 7	0 22 0n48	13 1 12n22		21 58 21n48		19 43 19n33	1 7 1n 7	6 18 6s20	1 22 1 s22	7 40 7n37	1 55	10 7 10s 8		20 12 20n12		10 30 11 2 10n30 11 s2				12 16 12n14	6 15 6 s 1 5
1. 21	101123	23II /	01148	1 21122	01143	211148	01129	191133	111 /	0820	1 822	/113 /	11133	108 8	01131	201112	1 854	101150 1182	201131	201155	/1143	121114	0813

Julian Day Number = 2411914.5, Delta T = -4.23 sec Ecliptic obliquity = $23^{\circ}27'16$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'30$, Lahiri = $22^{\circ}20'30$

AUGUST 1891 00:00 UT

AUG	021 TO2	'Τ													00:00	וט ע
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S 1	20 37 16	8 N 25'22	25∏29	1 Mp 0	259913	7 Ω 53	17°R 5	15 m)14	27 ₽ 36	8 Ⅱ 35	8 Ⅱ 36	3°R25	1 耳 59	21 m 53	8 N 8	S 1
S 2	20 41 12	9°22'48	89514	2°30	26°27	8°31	17 ∺ 0	15°21	27°37	8°37	8°37	3Ⅲ20	1°56	22° 0	8°15	S 2
M 3	20 45 9	10°20'16	20°47	3°58	27°40	9°10	16°55	15°27	27°39	8°38	8°38	3°13	1°53	22° 7	8°23	M 3
T 4	20 49 5	11°17'44	3 Ω 11	5°25	28°54	9°48	16°50	15°34	27°40	8°39	8°38	3° 3	1°50	22°13	8°30	T 4
W 5	20 53 2	12°15'13	15°26	6°49	0Ω 8	10°27	16°45	15°41	27°42	8°40	8°39	2°51	1°46	22°20	8°38	W 5
T 6	20 56 58	13°12'44	27°33	8°12	1°22	11° 5	16°40	15°47	27°43	8°41	8°40	2°39	1°43	22°27	8°45	T 6
F 7	21 0 55	14°10'15	9 ₯ 32	9°33	2°35	11°44	16°35	15°54	27°45	8°43	8°40	2°26	1°40	22°34	8°53	F 7
S 8	21 451	15° 7'47	21°26	10°52	3°49	12°22	16°29	16° 1	27°46	8°44	8°41	2°15	1°37	22°40	9° 0	S 8
S 9	21 8 48	16° 5'21	3 ≏ 16	12° 9	5° 3	13° 0	16°23	16° 8	27°48	8°45	8°42	2° 6	1°34	22°47	9° 8	S 9
M10	21 12 45	17° 2'55	15° 6	13°25	6°17	13°39	16°17	16°15	27°50	8°46	8°42	1°59	1°31	22°54	9°15	M10
T 11	21 16 41	18° 0'30	27° 0	14°38	7°31	14°17	16°11	16°21	27°52	8°47	8°43	1°55	1°27	23° 0	9°23	T 11
W12	21 20 38	18°58'06	9 ™ 1	15°49	8°45	14°55	16° 5	16°28	27°54	8°48	8°44	1°54	1°24	23° 7	9°30	W12
T 13	21 24 34	19°55'43	21°16	16°57	9°59	15°34	15°59	16°35	27°56	8°49	8°44	1°D53	1°21	23°14	9°38	T 13
F 14	21 28 31	20°53'21	3 ∡ 748	18° 4	11°12	16°12	15°53	16°42	27°57	8°50	8°45	1°R53	1°18	23°21	9°45	F 14
S 15	21 32 27	21°51'00	16°44	19° 8	12°26	16°50	15°46	16°49	27°59	8°51	8°45	1°53	1°15	23°27	9°52	S 15
S 16	21 36 24	22°48'40	0 පි 6	20° 9	13°40	17°29	15°39	16°56	28° 2	8°52	8°46	1°50	1°11	23°34	10° 0	S 16
M17	21 40 20	23°46'21	13°58	21° 8	14°54	18° 7	15°33	17° 4	28° 4	8°53	8°46	1°46	1°8	23°41	10° 7	M17
T 18	21 44 17	24°44'03	28°19	22° 4	16° 8	18°45	15°26	17°11	28° 6	8°53	8°47	1°38	1° 5	23°47	10°15	T 18
W19	21 48 14	25°41'47	13 ≈ 5	22°57	17°23	19°23	15°19	17°18	28° 8	8°54	8°47	1°29	1° 2	23°54	10°22	W19
T 20	21 52 10	26°39'32	28° 9	23°48	18°37	20° 2	15°12	17°25	28°10	8°55	8°47	1°18	0°59	24° 1	10°29	T 20
F 21	21 56 7	27°37'18	13 米 21	24°34	19°51	20°40	15° 5	17°32	28°12	8°56	8°48	1° 7	0°56	24° 8	10°37	F 21
S 22	22 0 3	28°35'05	28°31	25°18	21° 5	21°18	14°57	17°39	28°15	8°57	8°48	0°57	0°52	24°14	10°44	S 22
S 23	22 4 0	29°32'54	13 Y 28	25°58	22°19	21°56	14°50	17°47	28°17	8°57	8°49	0°50	0°49	24°21	10°51	S 23
M24	22 7 56	0 m y 30'45	28° 5	26°34	23°33	22°34	14°43	17°54	28°19	8°58	8°49	0°45	0°46	24°28	10°59	M24
T 25	22 11 53	1°28'38	12818	27° 5	24°48	23°13	14°35	18° 1	28°22	8°58	8°49	0°43	0°43	24°34	11° 6	T 25
W26	22 15 49	2°26'33	26° 6	27°33	26° 2	23°51	14°28	18° 9	28°24	8°59	8°49	0°43	0°40	24°41	11°13	W26
T 27	22 19 46	3°24'29	9∏30	27°56	27°16	24°29	14°20	18°16	28°27	9° 0	8°50	0°42	0°37	24°48	11°20	T 27
F 28	22 23 43	4°22'28	22°33	28°14	28°30	25° 7	14°12	18°23	28°29	9° 0	8°50	0°42	0°33	24°54	11°28	F 28
S 29	22 27 39	5°20'28	59519	28°27	29°45	25°45	14° 4	18°31	28°32	9° 1	8°50	0°39	0°30	25° 1	11°35	S 29
S 30	22 31 36	6°18'30	17°51	28°34	0 m 59	26°24	13°57	18°38	28°35	9° 1	8°50	0°34	0°27	25° 8	11°42	S 30
M31	22 35 32	7 m 16'34	0 Ω 11	28°R36	2 m 13	27 N 2	13) (49	18 M)45	28 ₾ 37	9 I I 2	8 Ⅱ 51	0Д26	0∏24	25 m 15	11 Ω 49	M31

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S 2	17 55	26 5	2 54	11 2	0 29	21 25	0 33	19 14	1 8	6 24	1 22	7 32	1 55	10 9	0 31	20 12	1 34	10 29	11 24	20 50	20 34	7 37	12 10	6 15
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S 8	16 19	7 45	4 45	7 7	0 24	20 3	0 46	18 12	1 8	6 37	1 24	7 16	1 54	10 12	0 31	20 13	1 34	10 29	11 25	20 38	20 30	/ 19	11 59	6 15
S 9	16 1	2 39	4 18	6 29	0 34	19 48	0 48	18 1	1 8	6 40	1 24	7 14	1 54	10 13	0 31	20 13	1 34	10 29	11 25	20 36	20 29	7 16	11 57	6 15
M10	15 44		3 41	5 51	0 44			17 50	1 8	6 42	1 24	7 11	1 54			20 13					20 29		11 55	6 15
T 11	15 27		2 54	-				17 39	1 8	6 45	1 25	7 8	1 54			20 13					20 28		11 53	6 15
W12	15 9		1 58		1 4			17 28	1 9	6 48	1 25	7 6	1 54	-				10 29					11 51	6 15
T 13	14 51		0 56		1 14			17 16	1 9	6 50	1 25	7 3		10 16		20 14		10 29					11 49	6 15
F 14	14 32		0s10		1 24		0 58		1 9	6 53	1 25	7 0		10 17		20 14					20 26		11 47	6 15
S 15	14 14	24 5	1 18	2 51	1 35	18 2	0 59	16 54	1 9	6 56	1 25	6 57	1 54	10 17	0 31	20 14	1 35	10 28	11 26	20 33	20 25	6 58	11 45	6 15
S 16	13 55	25 51	2 23	2 17	1 45	17 42	1 1	16 42	1 9	6 58	1 26	6 55	1 54	10 18	0 31	20 14	1 35	10 28	11 26	20 33	20 25	6 56	11 43	6 15
M17	13 36	26 5	3 23	1 45	1 56	17 22	1 3	16 30	1 9	7 1	1 26	6 52	1 54	10 19	0 31	20 14	1 35	10 28	11 26	20 32	20 24	6 53	11 41	6 15
T 18		24 37	4 12	1 13	2 6	17 2	1 4	16 18	1 9	7 4	1 26	6 49	1 54	10 20	0 31	20 14	1 35	10 28	11 27	20 30	20 23	6 50	11 39	6 16
W19		21 27	4 45	0 42	2 17		-	16 7	1 9	7 7	1 26	6 46	1 54	10 20	0 31	20 14					20 23	6 47	11 37	6 16
T 20		16 48	5 0					15 55	1 9	7 10	1 26	6 43		10 21	0 31						20 22		11 35	6 16
F 21	12 18		4 53		2 37			15 42	1 9	7 13	1 26	6 40		10 22				10 28					11 33	6 16
S 22	11 58	4 40	4 27	0 41	2 47	15 35	1 10	15 30	1 9	7 16	1 27	6 38	1 54	10 23	0 31	20 14	1 35	10 27	11 27	20 22	20 21	6 38	11 31	6 16
S 23	11 38	1n55	3 42	1 6	2 57	15 12	1 11	15 18	1 9	7 19	1 27	6 35	1 54	10 24	0 31	20 14	1 35	10 27	11 28	20 20	20 20	6 35	11 29	6 16
M24	11 18	8 15	2 43	1 29	3 7	14 49	1 13	15 5	1 9	7 22	1 27	6 32	1 54	10 25	0 30	20 14	1 35	10 27	11 28	20 19	20 19	6 32	11 27	6 16
T 25	10 57	14 1	1 36	1 51	3 17	14 25	1 14	14 53	1 9	7 25	1 27	6 29	1 54	10 26	0 30	20 14	1 35	10 27	11 28	20 19	20 19	6 29	11 25	6 17
W26		18 54	0 24		3 26			14 40	1 9		1 27	6 26		10 26		20 15					20 18		11 23	6 17
T 27	10 16		0n46		3 34			14 28	1 10		1 27	6 23		10 27		20 15					20 17		11 21	6 17
F 28	9 55		1 53			13 12		14 15	1 10		1 27	6 20		10 28		20 15					20 17		11 18	6 17
S 29	9 34	26 13	2 52	2 54	3 51	12 47	1 18	14 2	1 10	7 37	1 28	6 18	1 54	10 29	0 30	20 15	1 35	10 26	11 29	20 18	20 16	6 17	11 16	6 17
S 30	9 12	25 55	3 41	3 4	3 58	12 22	1 19	13 49	1 10	7 40	1 28	6 15	1 54	10 30	0 30	20 15	1 35	10 26	11 29	20 17	20 15	6 14	11 14	6 17
M31	8n51	24n21	4n20	3 s 1 0	4s 4	11n56	1n20	13n36	1n10	7 s43	1 s28	6n12	1n54	10 s31	0n30	20n15	1 s36	10n26	11 s29	20n15	20n15	6n11	11n12	6 s 1 8

Julian Day Number = 2411945.5, Delta T = -4.26 sec Ecliptic obliquity = $23^{\circ}27'16$, Nutation = $-0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'34$, Lahiri = $22^{\circ}20'35$

SEPTEMBER 1891 00:00 UT

JLI	LINDLIN	1071													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	В	V	v	Ç	Ŗ	Day
T 1	22 39 29	8 m) 14'40	12\$\Omega22	28°R32	3 Mp 28	27 Ω 40	13°R41	18 m 53	28 <u>₽</u> 40	9 П 2	8 I I51	0°R15	0Д21	25 m 21	11 Ω 56	T 1
W 2	22 43 25	9°12'47	24°26	28 m 22	4°42	28°18	13) 33	19° 0	28°43	9° 2	8°51	0 Ⅱ 2	0°17	25°28	12° 3	W 2
T 3	22 47 22	10°10'56	6 m 25	28° 5	5°57	28°56	13°25	19°8	28°45	9° 3	8°51	29 8 48	0°14	25°35	12°10	T 3
F 4	22 51 18	11° 9'07	18°19	27°42	7°11	29°34	13°17	19°15	28°48	9° 3	8°51	29°35	0°11	25°41	12°17	F 4
S 5	22 55 15	12° 7'20	0 ჲ 10	27°13	8°26	0 m 13	13° 9	19°23	28°51	9° 3	8°51	29°22	0° 8	25°48	12°24	S 5
S 6	22 59 12	13° 5'34	12° 0	26°38	9°40	0°51	13° 1	19°30	28°54	9° 3	8°51	29°12	0° 5	25°55	12°31	S 6
M 7	23 3 8	14° 3'50	23°50	25°56	10°55	1°29	12°53	19°38	28°57	9° 4	8°51	29° 4	0° 2	26° 2	12°38	M 7
T 8	23 7 5	15° 2'07	5 M .45	25°10	12° 9	2° 7	12°45	19°45	29° 0	9° 4	8°R51	28°59	29 8 58	26° 8	12°45	T 8
W 9	23 11 1	16° 0'26	17°46	24°18	13°24	2°45	12°37	19°53	29° 3	9° 4	8°51	28°57	29°55	26°15	12°52	W 9
T 10	23 14 58	16°58'47	29°59	23°22	14°38	3°23	12°29	20° 0	29° 6	9° 4	8°51	28°D56	29°52	26°22	12°59	T 10
F 11	23 18 54	17°57'10	12 × 30	22°23	15°53	4° 1	12°22	20° 8	29° 9	9° 4	8°51	28°R57	29°49	26°28	13° 5	F 11
S 12	23 22 51	18°55'34	25°21	21°21	17° 8	4°39	12°14	20°15	29°12	9°R 4	8°51	28°57	29°46	26°35	13°12	S 12
S 13	23 26 47	19°53'59	8 군 38	20°20	18°22	5°17	12° 6	20°23	29°15	9° 4	8°51	28°55	29°43	26°42	13°19	S 13
M14	23 30 44	20°52'26	22°23	19°18	19°37	5°56	11°58	20°30	29°18	9° 4	8°51	28°52	29°39	26°49	13°25	M14
T 15	23 34 41	21°50'55	6≈39	18°19	20°51	6°34	11°50	20°38	29°21	9° 4	8°51	28°46	29°36	26°55	13°32	T 15
W16	23 38 37	22°49'25	21°22	17°24	22° 6	7°12	11°43	20°45	29°24	9° 4	8°51	28°38	29°33	27° 2	13°38	W16
T 17	23 42 34	23°47'57	6 ∺ 27	16°34	23°21	7°50	11°35	20°53	29°28	9° 4	8°51	28°28	29°30	27° 9	13°45	T 17
F 18	23 46 30	24°46'31	21°45	15°50	24°36	8°28	11°27	21° 0	29°31	9° 3	8°50	28°19	29°27	27°15	13°51	F 18
S 19	23 50 27	25°45'07	7 Υ 4	15°13	25°50	9° 6	11°20	21° 8	29°34	9° 3	8°50	28°10	29°23	27°22	13°58	S 19
S 20	23 54 23	26°43'45	22°14	14°45	27° 5	9°44	11°13	21°15	29°37	9° 3	8°50	28° 4	29°20	27°29	14° 4	S 20
M21	23 58 20	27°42'24	7 8 4	14°26	28°20	10°22	11° 5	21°22	29°41	9° 3	8°50	28° 0	29°17	27°35	14°10	M21
T 22	0 2 16	28°41'06	21°30	14°D17	29°34	11° 0	10°58	21°30	29°44	9° 2	8°49	27°D58	29°14	27°42	14°16	T 22
W23	0 6 13	29°39'51	5 Ⅱ 28	14°18	0 ჲ 49	11°38	10°51	21°37	29°48	9° 2	8°49	27°58	29°11	27°49	14°23	W23
T 24	0 10 9	0 ≏ 38'37	18°58	14°28	2° 4	12°16	10°44	21°45	29°51	9° 2	8°49	27°59	29° 8	27°56	14°29	T 24
F 25	0 14 6	1°37'26	295 4	14°49	3°19	12°54	10°37	21°52	29°54	9° 1	8°49	27°R59	29° 4	28° 2	14°35	F 25
S 26	0 18 3	2°36'18	14°47	15°19	4°34	13°32	10°30	22° 0	29°58	9° 1	8°48	27°58	29° 1	28° 9	14°41	S 26
S 27	0 21 59	3°35'11	27°14	15°58	5°48	14°11	10°23	22° 7	0 M 1	9° 0	8°48	27°56	28°58	28°16	14°47	S 27
M28	0 25 56	4°34'07	9 Ω 27	16°46	7° 3	14°49	10°17	22°15	0° 5	9° 0	8°47	27°50	28°55	28°22	14°53	M28
T 29	0 29 52	5°33'05	21°31	17°42	8°18	15°27	10°10	22°22	0° 8	8°59	8°47	27°43	28°52	28°29	14°58	T 29
W30	0 33 49	6 ₽ 32'05	3 m 28	18 M)45	9 ॒ 33	16Mp 5	10) (4	22 Mp 29	0 M .12	8耳59	8 Ⅱ 47	27 8 34	28 8 48	28 m 36	15 Ω 4	W30

Day	0	D		ţ	ç)	a	7	2	ł	ħ	l);	j (4	7	Р	V	Ω	Ç	ď	;
	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	l decl	decl	decl	lat
T 1	8n29	21n40 4n4	46 3s14	4s10	11n30	1n21	13n23	1n10	7 s46	1 s28	6n 9	1n54	10 s32	0n30	20n15	1 s36	10n26 11 s	9 20n1	3 20n14	6n 8	11n10	6 s 1 8
W 2	8 7	18 4 4 5	8 3 14	4 14	11 3	1 21	13 10	1 10	7 50	1 28	6 6	1 54	10 33	0 30	20 15	1 36	10 26 11 3	0 20 1	0 20 13	6 5	11 8	6 18
T 3	7 45	13 46 4 5	8 3 11	4 17	10 36	1 22	12 56	1 10	7 53	1 28	6 3	1 54	10 34	0 30	20 15	1 36	10 25 11 3	0 20	7 20 13	6 2	11 6	6 18
F 4	7 23	8 59 4 4	14 3 3	4 20	10 9	1 22	12 43	1 10	7 56	1 28	6 0	1 54	10 35	0 30	20 15	1 36	10 25 11 3	0 20	4 20 12	5 59	11 4	6 19
S 5	7 1	3 53 4 1	2 53	4 20	9 42	1 23	12 30	1 10	7 59	1 28	5 57	1 54	10 36	0 30	20 15	1 36	10 25 11 3	0 20	2 20 11	5 56	11 2	6 19
S 6	6 39	1 s21 3 4	1 2 38	4 20	9 14	1 23	12 16	1 10	8 2	1 28	5 54	1 54	10 37	0 30	20 15	1 36	10 25 11 3	1 19 5	9 20 11	5 53	10 59	6 19
M 7	6 16	6 33 2 5	55 2 19	4 17	8 46	1 24	12 3	1 10	8 5	1 28	5 51	1 54	10 38	0 30	20 15	1 36	10 25 11 3	1 19 5	8 20 10	5 50	10 57	6 19
T 8	5 54	11 34 2	0 1 57	4 13	8 18	1 24	11 49	1 10	8 8	1 28	5 48	1 54	10 39	0 30	20 15	1 36	10 24 11 3	1 19 5	7 20 9	5 46	10 55	6 20
W 9	5 31	16 12 0 5	59 1 31	4 7	7 50	1 24	11 35	1 10	8 11	1 28	5 46	1 54	10 40	0 30	20 15	1 36	10 24 11 3	1 19 5	6 20 9	5 43	10 53	6 20
T 10	5 9	20 15 0s	6 1 1	3 59	7 21	1 25	11 21	1 10	8 14	1 29	5 43	1 54	10 42	0 30	20 15	1 36	10 24 11 3	1 19 5	6 20 8	5 40	10 51	6 20
F 11	4 46	23 29 1 1	1 0 29	3 49	6 52	1 25	11 8	1 10	8 18	1 29	5 40	1 54	10 43	0 30	20 14	1 36	10 24 11 3	2 19 5	6 20 7	5 37	10 49	6 20
S 12	4 23	25 38 2 1	5 0n 6	3 37	6 23	1 25	10 54	1 10	8 21	1 29	5 37	1 54	10 44	0 30	20 14	1 36	10 24 11 3	2 19 5	6 20 7	5 34	10 47	6 21
S 13	4 0	26 24 3 1	4 0 43	3 23	5 54	1 25	10 40	1 10	8 24	1 29	5 34	1 54	10 45	0 30	20 14	1 36	10 23 11 3	2 19 5	6 20 6	5 31	10 44	6 21
M14	3 37	25 37 4	4 1 21	3 8	5 25	1 25	10 26	1 10	8 27	1 29	5 31	1 54	10 46	0 30	20 14	1 36	10 23 11 3	2 19 5	5 20 5	5 28	10 42	6 21
T 15	3 14	23 9 4 4	1 2 (2 51	4 55	1 25	10 12	1 10	8 30	1 29	5 28	1 54	10 47	0 30	20 14	1 36	10 23 11 3	2 19 5	4 20 5	5 25	10 40	6 22
W16	2 51	19 8 5	1 2 38	2 33	4 26	1 25	9 57	1 10	8 32	1 29	5 25	1 54	10 48	0 30	20 14	1 36	10 23 11 3	3 19 5	2 20 4	5 22	10 38	6 22
T 17	2 28	13 48 5	0 3 15	2 14	3 56	1 24	9 43	1 10	8 35	1 29	5 22	1 54	10 49	0 30	20 14	1 36	10 22 11 3	3 19 5	0 20 3	5 19	10 36	6 22
F 18	2 5	7 32 4 3	38 3 50	1 54	3 26	1 24	9 29	1 10	8 38	1 29	5 19	1 54	10 51	0 30	20 14	1 36	10 22 11 3	3 19 4	8 20 3	5 16	10 34	6 23
S 19	1 41	0 49 3 5	57 4 23	1 34	2 56	1 24	9 15	1 10	8 41	1 29	5 16	1 54	10 52	0 30	20 14	1 36	10 22 11 3	3 19 4	6 20 2	5 13	10 32	6 23
S 20	1 18	5n54 2 5	59 4 52	1 14	2 26	1 23	9 0	1 10	8 44	1 29	5 14	1 55	10 53	0 30	20 14	1 37	10 22 11 3	3 19 4	4 20 1	5 10	10 30	6 23
M21	0 55	12 10 1 4	19 5 17	0 55	1 56	1 23	8 46	1 10	8 47	1 29	5 11	1 55	10 54	0 30	20 14	1 37	10 22 11 3	4 19 4	4 20 1	5 7	10 27	6 24
T 22	0 31	17 36 0 3	5 39	0 35	1 26	1 22	8 31	1 10	8 49	1 28	5 8	1 55	10 55	0 30	20 14	1 37	10 21 11 3	4 19 4	3 20 0	5 4	10 25	6 24
W23	0 8	21 53 0n4	10 5 55	0 17	0 55	1 22	8 17	1 10	8 52	1 28	5 5	1 55	10 57	0 30	20 14	1 37	10 21 11 3	4 19 4	3 19 59	5 1	10 23	6 25
T 24	0 s15	24 49 1 5	6 6	0n 1	0 25	1 21	8 2	1 10	8 55	1 28	5 2	1 55	10 58	0 30	20 14	1 37	10 21 11 3	4 19 4	3 19 59	4 58	10 21	6 25
F 25	0 39	26 18 2 5	6 15	0 17	0s 6	1 20	7 47	1 10	8 57	1 28	4 59	1 55	10 59	0 30	20 13	1 37	10 21 11 3	4 19 4	3 19 58	4 55	10 19	6 25
S 26	1 2	26 20 3 4	6 17	0 32	0 36	1 19	7 33	1 10	9 0	1 28	4 56	1 55	11 0	0 30	20 13	1 37	10 20 11 3	5 19 4	3 19 57	4 52	10 17	6 26
S 27	1 26	25 2 4 2	24 6 15	0 46	1 6	1 18	7 18	1 10	9 2	1 28	4 53	1 55	11 1	0 30	20 13	1 37	10 20 11 3	5 19 4	3 19 56	4 49	10 15	6 26
M28	1 49	22 34 4 5	6 6 8	0 59	1 37	1 17	7 3	1 10	9 5	1 28	4 51	1 55	11 3	0 30	20 13	1 37	10 20 11 3	5 19 4	2 19 56	4 46	10 13	6 27
T 29	2 12	19 8 5	4 5 57	1 10	2 7	1 16	6 49	1 10	9 7	1 28	4 48	1 55	11 4	0 30	20 13	1 37	10 20 11 3	5 19 4	0 19 55	4 42	10 11	6 27
W30	2 s36	14n58 5n	4 5n41	1n21	2 s 3 8	1n15	6n34	1n10	9s 9	1 s28	4n45	1n55	11s 5	0n30	20n13	1 s37	10n19 11s	5 19n3	8 19n54	4n39	10n 9	6 s28

 $\label{eq:Julian Day Number = 2411976.5, Delta\ T = -4.28\ sec} \\ Ecliptic\ obliquity = 23°27'17, Nutation = -0°00'14, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 23°13'39, Lahiri = 22°20'39 \\$

OCTOBER 1891 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(卉	Р	₽.	v	Ç	ķ	Day
T 1	0 37 45	7 ₽ 31'07	15 m /21	19 m 55	10 <u>₽</u> 48	16 m 43	9°R58	22 m 37	0 M .15	8°R58	8°R46	27°R24	28 8 45	28 m 43	15Ω10	T 1
F 2	0 41 42	8°30'12	27°12	21°11	12° 3	17°21	9 米 52	22°44	0°19	8耳57	8 Ⅱ 46	27815	28°42	28°49	15°16	F 2
S 3	0 45 38	9°29'18	9 ₾ 3	22°32	13°18	17°59	9°46	22°51	0°22	8°57	8°45	27° 6	28°39	28°56	15°21	S 3
S 4	0 49 35	10°28'27	20°55	23°58	14°33	18°37	9°40	22°59	0°26	8°56	8°45	26°59	28°36	29° 3	15°27	S 4
M 5	0 53 32	11°27'37	2ML51	25°27	15°47	19°15	9°34	23° 6	0°30	8°55	8°44	26°54	28°33	29° 9	15°32	M 5
T 6	0 57 28	12°26'50	14°52	27° 0	17° 2	19°53	9°29	23°13	0°33	8°55	8°44	26°51	28°29	29°16	15°37	T 6
W 7	1 1 25	13°26'04	27° 0	28°36	18°17	20°31	9°23	23°20	0°37	8°54	8°43	26°D50	28°26	29°23	15°43	W 7
T 8	1 5 21	14°25'20	9 √ 19	0 ჲ 14	19°32	21° 9	9°18	23°28	0°40	8°53	8°42	26°50	28°23	29°29	15°48	T 8
F 9	1 9 18	15°24'39	21°52	1°53	20°47	21°47	9°13	23°35	0°44	8°52	8°42	26°52	28°20	29°36	15°53	F 9
S 10	1 13 14	16°23'59	4 ⋜ 43	3°34	22° 2	22°25	9° 8	23°42	0°48	8°51	8°41	26°53	28°17	29°43	15°58	S 10
S 11	1 17 11	17°23'20	17°56	5°16	23°17	23° 3	9° 4	23°49	0°51	8°50	8°41	26°R54	28°14	29°50	16° 3	S 11
M12	1 21 7	18°22'44	1≈33	6°59	24°32	23°41	8°59	23°56	0°55	8°49	8°40	26°53	28°10	29°56	16° 8	M12
T 13	1 25 4	19°22'09	15°37	8°43	25°47	24°20	8°55	24° 3	0°59	8°49	8°39	26°51	28° 7	0 호 3	16°13	T 13
W14	1 29 1	20°21'36	0 ∀ 5	10°26	27° 2	24°58	8°51	24°10	1° 3	8°48	8°38	26°47	28° 4	0°10	16°18	W14
T 15	1 32 57	21°21'05	14°56	12°10	28°17	25°36	8°47	24°17	1° 6	8°47	8°38	26°42	28° 1	0°16	16°23	T 15
F 16	1 36 54	22°20'35	o Υ 1	13°54	29°32	26°14	8°43	24°24	1°10	8°46	8°37	26°37	27°58	0°23	16°27	F 16
S 17	1 40 50	23°20'08	15°13	15°38	0 M .47	26°52	8°39	24°31	1°14	8°44	8°36	26°32	27°54	0°30	16°32	S 17
S 18	1 44 47	24°19'42	0821	17°21	2° 2	27°30	8°36	24°38	1°18	8°43	8°36	26°28	27°51	0°36	16°36	S 18
M19	1 48 43	25°19'18	15°15	19° 4	3°17	28° 8	8°33	24°45	1°21	8°42	8°35	26°26	27°48	0°43	16°41	M19
T 20	1 52 40	26°18'57	29°48	20°47	4°32	28°46	8°30	24°51	1°25	8°41	8°34	26°D26	27°45	0°50	16°45	T 20
W21	1 56 36	27°18'38	13 Ⅱ 55	22°29	5°47	29°24	8°27	24°58	1°29	8°40	8°33	26°27	27°42	0°57	16°49	W21
T 22	2 0 33	28°18'21	27°34	24°11	7° 2	0 호 2	8°24	25° 5	1°33	8°39	8°32	26°28	27°39	1° 3	16°53	T 22
F 23	2 4 30	29°18'06	109547	25°53	8°17	0°40	8°22	25°12	1°36	8°38	8°32	26°30	27°35	1°10	16°57	F 23
S 24	2 8 26	0 M 17'54	23°36	27°34	9°32	1°18	8°20	25°18	1°40	8°36	8°31	26°31	27°32	1°17	17° 1	S 24
S 25	2 12 23	1°17'44	6 Ω 4	29°14	10°47	1°56	8°17	25°25	1°44	8°35	8°30	26°R31	27°29	1°23	17° 5	S 25
M26	2 16 19	2°17'36	18°17	0 M .54	12° 2	2°34	8°16	25°31	1°48	8°34	8°29	26°30	27°26	1°30	17° 9	M26
T 27	2 20 16	3°17'30	0 m)19	2°34	13°17	3°12	8°14	25°38	1°51	8°32	8°28	26°28	27°23	1°37	17°13	T 27
W28	2 24 12	4°17'26	12°13	4°12	14°32	3°50	8°13	25°44	1°55	8°31	8°27	26°25	27°20	1°43	17°16	W28
T 29	2 28 9	5°17'24	24° 3	5°51	15°47	4°28	8°11	25°51	1°59	8°30	8°26	26°21	27°16	1°50	17°20	T 29
F 30	2 32 5	6°17'25	5 ≙ 54	7°29	17° 2	5° 6	8°10	25°57	2° 3	8°28	8°25	26°18	27°13	1°57	17°23	F 30
S 31	2 36 2	7 M 17'27	17 ≏ 47	9 M 6	18 M .17	5 ≏ 44	8) 9	26M) 3	2M 6	8 Ⅲ 27	8∏24	26815	27810	2 ♀ 4	17 Ω 27	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
T 1	2 s59	10n15 4n51	5n22 1n29	3s 8 1n14	6n19 1n 9	9s12 1s28	4n42 1n55	11s 6 0n30	20n13 1s37	10n19 11s35	19n36 19n5	4n36	10n 7 6s28
F 2	3 22	5 11 4 26	4 59 1 37		6 4 1 9	9 14 1 28	4 39 1 56			10 19 11 36			
S 3	3 46	0s 5 3 49	4 32 1 43	8 4 9 1 12	5 49 1 9	9 16 1 28	4 36 1 56	11 9 0 30	20 12 1 37	10 19 11 36	19 31 19 5	4 30	10 2 6 29
S 4	4 9	5 22 3 1	4 3 1 48	8 4 39 1 11	5 34 1 9	9 18 1 28	4 34 1 56	11 10 0 30	20 12 1 37	10 18 11 36	19 30 19 5	4 27	10 0 6 29
M 5	4 32	10 30 2 6	3 31 1 51	5 9 1 9	5 19 1 9	9 20 1 27	4 31 1 56	11 11 0 30	20 12 1 37	10 18 11 36	19 29 19 5	4 24	9 58 6 30
T 6	4 55	15 17 1 4	2 56 1 54	5 39 1 8	5 4 1 9	9 22 1 27	4 28 1 56	11 13 0 30	20 12 1 37	10 18 11 36	19 28 19 5	4 21	9 56 6 30
W 7	5 18	19 31 0s 1	2 20 1 56	6 9 1 6	4 49 1 9	9 24 1 27	4 25 1 56	11 14 0 29	20 12 1 37	10 18 11 37	19 28 19 4	4 18	9 54 6 31
T 8	5 41	22 58 1 7	1 42 1 57	6 39 1 5	4 34 1 9	9 26 1 27	4 23 1 56	11 15 0 29	20 12 1 37	10 17 11 37	19 28 19 4	4 15	9 52 6 31
F 9	6 4	25 24 2 12	1 2 1 57	7 8 1 3	4 19 1 9	9 28 1 27	4 20 1 56	11 17 0 29	20 11 1 37	10 17 11 37	19 28 19 4	4 12	9 50 6 32
S 10	6 27	26 33 3 11	0 21 1 56	7 38 1 2	4 4 1 9	9 29 1 27	4 17 1 56	11 18 0 29	20 11 1 37	10 17 11 37	19 28 19 4	7 4 9	9 48 6 32
S 11	6 50	26 15 4 2	0s20 1 55	8 7 1 0	3 49 1 9	9 31 1 27	4 14 1 56	11 19 0 29	20 11 1 37	10 17 11 37	19 29 19 4	7 4 6	9 47 6 33
M12	7 13	24 24 4 41	1 3 1 53	8 36 0 58	3 34 1 9	9 32 1 26	4 12 1 57	11 21 0 29	20 11 1 37	10 16 11 37	19 28 19 4	6 4 2	9 45 6 33
T 13	7 35	21 1 5 5	1 46 1 50	9 5 0 57	3 18 1 9	9 34 1 26	4 9 1 57	11 22 0 29	20 11 1 38	10 16 11 38	19 28 19 4	3 59	9 43 6 34
W14	7 58	16 17 5 11	2 30 1 47	9 34 0 55	3 3 1 9	9 35 1 26	4 6 1 57	11 23 0 29	20 11 1 38	10 16 11 38	19 27 19 4	3 56	9 41 6 35
T 15	8 20	10 29 4 56	3 14 1 43	3 10 3 0 53	2 48 1 9	9 37 1 26	4 4 1 57	11 24 0 29	20 10 1 38	10 16 11 38	19 26 19 4	3 53	9 39 6 35
F 16	8 42	3 58 4 20	3 58 1 39	10 31 0 51	2 33 1 8	9 38 1 26	4 1 1 57	11 26 0 29	20 10 1 38	10 15 11 38	19 25 19 4	3 50	9 37 6 36
S 17	9 4	2n50 3 26	4 42 1 34	10 59 0 49	2 18 1 8	9 39 1 26	3 58 1 57	11 27 0 29	20 10 1 38	10 15 11 38	19 24 19 4	3 47	9 35 6 36
S 18	9 26	9 27 2 18	5 26 1 29	11 27 0 47	2 2 1 8	9 40 1 25	3 56 1 57	11 28 0 29	20 10 1 38	10 15 11 38	19 23 19 4	3 44	9 33 6 37
M19	9 48	15 27 1 1	6 10 1 24	11 54 0 45	1 47 1 8	9 41 1 25	3 53 1 58	11 30 0 29	20 10 1 38	10 15 11 38	19 22 19 4	3 41	9 31 6 37
T 20	10 10	20 25 0n18	6 54 1 19	12 22 0 43	1 32 1 8	9 42 1 25	3 51 1 58	11 31 0 29	20 9 1 38	10 14 11 39	19 22 19 4	3 38	9 30 6 38
W21	10 31	24 3 1 34	7 38 1 13	3 12 49 0 41	1 17 1 8	9 43 1 25	3 48 1 58	11 32 0 29	20 9 1 38	10 14 11 39	19 22 19 4	3 35	9 28 6 39
T 22	10 53	26 8 2 42	8 21 1 7	13 15 0 39	1 1 1 8	9 44 1 25	3 46 1 58	11 34 0 29	20 9 1 38	10 14 11 39	19 23 19 3	3 31	9 26 6 39
F 23	11 14	26 40 3 40	9 3 1 1	13 41 0 37	0 46 1 8	9 45 1 25	3 43 1 58	11 35 0 29	20 9 1 38	10 14 11 39	19 23 19 3	3 28	9 24 6 40
S 24	11 35	25 44 4 24	9 45 0 55	14 7 0 35	0 31 1 8	9 45 1 24	3 41 1 58	11 36 0 29	20 8 1 38	10 13 11 39	19 23 19 3	3 25	9 23 6 40
S 25	11 56	23 31 4 55	10 27 0 49	14 33 0 33	0 16 1 7	9 46 1 24	3 38 1 58	11 38 0 29	20 8 1 38	10 13 11 39	19 23 19 3	3 22	9 21 6 41
M26	12 17	20 17 5 11	11 8 0 42	2 14 58 0 30	0 0 1 7	9 47 1 24	3 36 1 59	11 39 0 29	20 8 1 38	10 13 11 39	19 23 19 3	3 19	9 19 6 41
T 27	12 37	16 15 5 14	11 49 0 36	5 15 23 0 28	0s15 1 7	9 47 1 24	3 33 1 59	11 40 0 29	20 8 1 38	10 13 11 39	19 23 19 3	3 16	9 18 6 42
W28	12 57	11 38 5 2	12 28 0 29	15 48 0 26	0 30 1 7	9 47 1 24	3 31 1 59	11 41 0 29	20 8 1 38	10 12 11 39	19 22 19 3	3 13	9 16 6 43
T 29	13 18	6 37 4 39	13 8 0 22	2 16 12 0 23	0 45 1 7	9 48 1 23	3 28 1 59	11 43 0 29	20 7 1 38	10 12 11 40	19 21 19 3	3 10	9 14 6 43
F 30	13 38	1 22 4 3	13 46 0 16	16 36 0 21	1 0 1 7	9 48 1 23	3 26 1 59	11 44 0 29	20 7 1 38	10 12 11 40	19 20 19 3	3 6	9 13 6 44
S 31	13 s57	3 s58 3n16	14 s24 0n 9	16s59 0n19	1s16 ln 7	9 s 48 1 s 23	3n24 1n59	11 s45 0n29	20n 7 1s38	10n12 11s40	19n19 19n3	2 3n 3	9n11 6s45

Julian Day Number = 2412006.5, Delta T = -4.31 sec Ecliptic obliquity = $23^{\circ}27'18$, Nutation = $-0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'43$, Lahiri = $22^{\circ}20'43$

NOVEMBER 1891 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)∤(并	Р	ß	Ω	Ç	, k	Day
S 1	2 39 59	8ML17'32	29 <u>₽</u> 45	10 M .43	19 M 32	6 ₽ 22	8°R 9	26Mp 9	2 M .10	8°R26	8°R23	26°R12	27 8 7	2 ₽ 10	17 Ω 30	S 1
M 2	2 43 55	9°17'38	11 M .49	12°20	20°47	7° 0	8) 8	26°16	2°14	8 Ⅱ 24	8 Ⅲ 22	26811	27° 4	2°17	17°33	M 2
T 3	2 47 52	10°17'46	24° 2	13°56	22° 2	7°39	8° 8	26°22	2°18	8°23	8°21	26°D10	27° 0	2°24	17°36	T 3
W 4	2 51 48	11°17'57	6 ₹ 24	15°31	23°17	8°17	8°D 8	26°28	2°21	8°21	8°20	26°10	26°57	2°30	17°39	W 4
T 5	2 55 45	12°18'08	18°58	17° 7	24°32	8°55	8° 8	26°34	2°25	8°20	8°19	26°11	26°54	2°37	17°42	T 5
F 6	2 59 41	13°18'22	1 ਰ 44	18°42	25°47	9°33	8° 9	26°40	2°29	8°18	8°18	26°12	26°51	2°44	17°45	F 6
S 7	3 3 38	14°18'37	14°45	20°16	27° 2	10°11	8° 9	26°46	2°33	8°17	8°17	26°13	26°48	2°50	17°47	S 7
S 8	3 7 34	15°18'54	28° 3	21°50	28°17	10°49	8°10	26°51	2°36	8°15	8°16	26°14	26°45	2°57	17°50	S 8
M 9	3 11 31	16°19'11	11 ≈ 38	23°24	29°32	11°27	8°11	26°57	2°40	8°14	8°15	26°R15	26°41	3° 4	17°52	M 9
T 10	3 15 28	17°19'31	25°33	24°57	0 , 747	12° 5	8°12	27° 3	2°44	8°12	8°14	26°15	26°38	3°11	17°55	T 10
W11	3 19 24	18°19'52	9)(45	26°31	2° 2	12°43	8°14	27° 9	2°47	8°11	8°13	26°14	26°35	3°17	17°57	W11
T 12	3 23 21	19°20'14	24°14	28° 3	3°17	13°21	8°16	27°14	2°51	8° 9	8°12	26°13	26°32	3°24	17°59	T 12
F 13	3 27 17	20°20'37	8 Ƴ 55	29°36	4°32	13°59	8°17	27°20	2°55	8° 7	8°11	26°13	26°29	3°31	18° 1	F 13
S 14	3 31 14	21°21'02	23°44	1 √ 8	5°48	14°37	8°19	27°25	2°58	8° 6	8°10	26°12	26°26	3°37	18° 3	S 14
S 15	3 35 10	22°21'28	8 8 32	2°40	7° 3	15°15	8°22	27°30	3° 2	8° 4	8° 9	26°12	26°22	3°44	18° 5	S 15
M16	3 39 7	23°21'56	23°13	4°12	8°18	15°53	8°24	27°36	3° 6	8° 3	8° 8	26°D12	26°19	3°51	18° 7	M16
T 17	3 43 3	24°22'25	7 Ⅲ 39	5°43	9°33	16°31	8°27	27°41	3° 9	8° 1	8° 7	26°12	26°16	3°57	18° 8	T 17
W18	3 47 0	25°22'57	21°46	7°14	10°48	17° 9	8°30	27°46	3°13	7°59	8° 6	26°12	26°13	4° 4	18°10	W18
T 19	3 50 57	26°23'30	59	8°45	12° 3	17°47	8°33	27°51	3°16	7°58	8° 4	26°R12	26°10	4°11	18°11	T 19
F 20	3 54 53	27°24'04	18°47	10°16	13°18	18°25	8°36	27°56	3°20	7°56	8° 3	26°12	26° 6	4°17	18°13	F 20
S 21	3 58 50	28°24'40	1 Ω 42	11°46	14°33	19° 3	8°39	28° 1	3°23	7°54	8° 2	26°12	26° 3	4°24	18°14	S 21
S 22	4 2 46	29°25'18	14°16	13°16	15°48	19°41	8°43	28° 6	3°27	7°53	8° 1	26°11	26° 0	4°31	18°15	S 22
M23	4 6 43	0 ҂ 25'58	26°32	14°46	17° 3	20°19	8°47	28°11	3°30	7°51	8° 0	26°D11	25°57	4°38	18°16	M23
T 24	4 10 39	1°26'39	8 m /35	16°16	18°18	20°58	8°51	28°15	3°34	7°49	7°59	26°11	25°54	4°44	18°17	T 24
W25	4 14 36	2°27'21	20°29	17°45	19°33	21°36	8°55	28°20	3°37	7°48	7°58	26°11	25°51	4°51	18°18	W25
T 26	4 18 32	3°28'06	2 ≏ 19	19°13	20°48	22°14	8°59	28°24	3°41	7°46	7°57	26°12	25°47	4°58	18°18	T 26
F 27	4 22 29	4°28'51	14°10	20°41	22° 3	22°52	9° 4	28°29	3°44	7°44	7°55	26°13	25°44	5° 4	18°19	F 27
S 28	4 26 26	5°29'39	26° 6	22° 9	23°18	23°30	9° 9	28°33	3°47	7°43	7°54	26°14	25°41	5°11	18°19	S 28
S 29	4 30 22	6°30'28	8 M .10	23°36	24°33	24° 8	9°13	28°38	3°51	7°41	7°53	26°15	25°38	5°18	18°20	S 29
M30	4 34 19	7 . ₹31'18	20 M 24	25 ₹ 2	25 ∡ 148	24 ≏ 46	9 米 19	28 m 42	3 M .54	7 Ⅲ 39	7 Ⅱ 52	26°R15	25 8 35	5 ≏ 24	18 Ω 20	M30

Day	0	D	ğ	Q		ď	2	+	ħ	l.)į	j((Р	n	v	Ç	ķ	
	decl	decl lat	decl l	at decl	lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl l	lat
S 1	14 s17	9s12 2n21	15s 1	0n 2 17s22	0n16 1	31 1n 7	9 s48	1 s23	3n21	2n 0	11 s47	0n29	20n 7	1 s38	10n11 11s40	19n19	19n32	3n 0	9n 9	6 s45
M 2	14 36	14 9 1 18	15 37	0s 4 17 44	0 14 1	46 1 6	9 48	1 23	3 19	2 0	11 48	0 29	20 6	1 38	10 11 11 40	19 19	19 31	2 57	9 8	6 46
T 3	14 55	18 36 0 12	16 12	0 11 18 6	0 12 2	1 1 6	9 48	1 22	3 17	2 0	11 49	0 29	20 6	1 38	10 11 11 40	19 18	19 30	2 54	9 6	6 47
W 4	15 14	22 19 0s56	16 47	0 18 18 28	0 9 2	16 1 6	9 48	1 22	3 15	2 0	11 51	0 29	20 6	1 38	10 11 11 40	19 18	19 29	2 51	9 5	6 47
T 5	15 32	25 2 2 3	17 21	0 25 18 48	0 7 2	31 1 6	9 47	1 22	3 12	2 0	11 52	0 29	20 6	1 38	10 11 11 40	19 19	19 29	2 48	9 3	6 48
F 6	15 51	26 31 3 4	17 54	0 31 19 9	0 4 2	47 1 6	9 47	1 22	3 10	2 1	11 53	0 29	20 5	1 38	10 10 11 40	19 19	19 28	2 45	9 2	6 48
S 7	16 9	26 35 3 58	18 26	0 38 19 29	0 2 3	2 1 6	9 47	1 21	3 8	2 1	11 54	0 29	20 5	1 38	10 10 11 40	19 19	19 27	2 41	9 1	6 49
S 8	16 26	25 8 4 40	18 57	0 44 19 48	0s 1 3	17 1 5	9 46	1 21	3 6	2 1	11 56	0 29	20 5	1 38	10 10 11 40	19 19	19 26	2 38	8 59	6 50
M 9	16 44	22 13 5 7	19 27	0 50 20 7	0 3 3	32 1 5	9 45	1 21	3 4	2 1	11 57	0 29	20 5	1 38	10 10 11 40	19 19	19 26	2 35	8 58	6 50
T 10	17 1	17 59 5 17	19 56	0 57 20 25	0 6 3	47 1 5	9 45	1 21	3 2	2 1	11 58	0 29	20 4	1 38	10 9 11 41	19 19	19 25	2 32	8 56	6 51
W11	17 18	12 40 5 8	20 24	1 3 20 43	0 8 4	2 1 5	9 44	1 21	3 0	2 2	11 59	0 29	20 4	1 38	10 9 11 41	19 19	19 24	2 29	8 55	6 52
T 12	17 34	6 35 4 40	20 52	1 9 21 0	0 11 4	17 1 5	9 43	1 20	2 58	2 2	12 1	0 29	20 4	1 38	10 9 11 41	19 19	19 24	2 26	8 54	6 52
F 13	17 51	0 2 3 53	21 18	1 15 21 17	0 13 4	32 1 5	9 42	1 20	2 56	2 2	12 2	0 29	20 4	1 38	10 9 11 41	19 19	19 23	2 23	8 53	6 53
S 14	18 7	6n34 2 51	21 43	1 21 21 32	0 16 4	47 1 4	9 41	1 20	2 54	2 2	12 3	0 29	20 3	1 38	10 9 11 41	19 19	19 22	2 19	8 51	6 54
S 15	18 22	12 50 1 36	22 7	1 26 21 48	0 18 5	1 1 4	9 40	1 20	2 52	2 2	12 4	0 29	20 3	1 38	10 8 11 41	19 19	19 21	2 16	8 50	6 54
M16	18 38	18 19 0 17	22 30	1 32 22 2	0 21 5	16 1 4	9 39	1 20	2 50	2 3	12 6	0 29	20 3	1 38	10 8 11 41	19 19	19 21	2 13	8 49	6 55
T 17	18 53	22 38 1n 3	22 52	1 37 22 16	0 23 5	31 1 4	9 38	1 19	2 48	2 3	12 7	0 29	20 2	1 38	10 8 11 41	19 19	19 20	2 10	8 48	6 56
W18	19 7	25 29 2 17	23 12	1 42 22 30	0 25 5	46 1 4	9 37	1 19	2 46	2 3	12 8	0 29	20 2	1 38	10 8 11 41	19 19	19 19	2 7	8 47	6 57
T 19	19 22	26 42 3 21	23 32	1 47 22 43	0 28 6	0 1 3	9 35	1 19	2 44	2 3	12 9	0 29	20 2	1 38	10 8 11 41	19 19	19 18	2 4	8 46	6 57
F 20	19 36	26 18 4 12	23 50	1 51 22 55	0 30 6	15 1 3	9 34	1 19	2 43	2 3	12 10	0 29	20 2	1 38	10 8 11 41	19 19	19 18	2 1	8 45	6 58
S 21	19 49	24 29 4 49	24 7	1 56 23 6	0 33 6	30 1 3	9 33	1 18	2 41	2 4	12 12	0 29	20 1	1 38	10 7 11 41	19 19	19 17	1 57	8 44	6 59
S 22	20 2	21 30 5 11	24 23	2 0 23 17	0 35 6	44 1 3	9 31	1 18	2 39	2 4	12 13	0 29	20 1	1 38	10 7 11 41	19 19	19 16	1 54	8 43	6 59
M23	20 15	17 39 5 17	24 38	2 4 23 27	0 38 6	59 1 3	9 29	1 18	2 37	2 4	12 14	0 29	20 1	1 38	10 7 11 41	19 19	19 15	1 51	8 42	7 0
T 24	20 28	13 9 5 10	24 51	2 7 23 36	0 40 7	13 1 2	9 28	1 18	2 36	2 4	12 15	0 29	20 1	1 38	10 7 11 41	19 19	19 15	1 48	8 41	7 1
W25	20 40	8 12 4 49		2 11 23 45	0 42 7	28 1 2	9 26	1 18	2 34	2 5	12 16	0 29	20 0	1 38	10 7 11 41	19 19	19 14	1 45	8 40	7 1
T 26	20 52	3 0 4 17	25 14	2 14 23 53	0 45 7	42 1 2	9 24	1 17	2 33	2 5	12 18	0 29	20 0	1 38	10 7 11 41	19 19	19 13	1 42	8 39	7 2
F 27	21 3	2s19 3 33	25 24	2 16 24 0	0 47 7	56 1 2	9 22	1 17	2 31	2 5	12 19	0 29	20 0	1 38	10 6 11 41	19 19	19 12	1 38	8 38	7 3
S 28	21 14	7 36 2 40	25 32	2 19 24 6	0 49 8	11 1 1	9 20	1 17	2 29	2 5	12 20	0 29	19 59	1 38	10 6 11 41	19 19	19 12	1 35	8 38	7 3
S 29	21 25	12 41 1 39	25 38	2 20 24 12	0 51 8	25 1 1	9 18	1 17	2 28	2 6	12 21	0 29	19 59	1 38	10 6 11 41	19 20	19 11	1 32	8 37	7 4
	21 s35			2 s 2 2 2 4 s 1 7		39 1n 1			2n27	2n 6	12 s22	0n29	19n59	1 s38	10n 6 11s4	19n20	19n10	1n29	8n36	7 s 5

Julian Day Number = 2412037.5, Delta T = -4.34 sec Ecliptic obliquity = $23^{\circ}27'17$, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'47$, Lahiri = $22^{\circ}20'47$

DECEMBER 1891 00:00 UT

DECE	HIDEN 3	LUJI													00.0	0 0.
Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)∤(¥	В	N.	v	Ç	Ŗ	Day
T 1	4 38 15	8 ∡ ³32'09	2 ₹ 51	26 ₹ 28	27 ∡ 3	25 ≏ 24	9) 24	28 m /46	3 M 57	7°R37	7°R51	26°R15	25 8 32	5 ₽ 31	18 Ω 20	T 1
W 2	4 42 12	9°33'02	15°32	27°52	28°18	26° 2	9°29	28°50	4° 1	7耳36	7 II 50	26 8 15	25°28	5°38	18°R20	W 2
T 3	4 46 8	10°33'56	28°27	29°16	29°33	26°40	9°35	28°54	4° 4	7°34	7°49	26°13	25°25	5°44	18°20	T 3
F 4	4 50 5	11°34'50	11 る 37	0 궁 38	0 국 48	27°18	9°41	28°58	4° 7	7°32	7°47	26°11	25°22	5°51	18°20	F 4
S 5	4 54 1	12°35'46	24°59	1°59	2° 3	27°56	9°47	29° 1	4°10	7°31	7°46	26° 9	25°19	5°58	18°19	S 5
S 6	4 57 58	13°36'43	8≈34	3°18	3°18	28°34	9°53	29° 5	4°13	7°29	7°45	26° 6	25°16	6° 5	18°19	S 6
M 7	5 1 55	14°37'40	22°21	4°35	4°33	29°12	9°59	29° 9	4°16	7°27	7°44	26° 4	25°12	6°11	18°18	M 7
T 8	5 5 5 1	15°38'38	6 ₩ 17	5°49	5°48	29°50	10° 6	29°12	4°20	7°26	7°43	26° 3	25° 9	6°18	18°18	T 8
W 9	5 9 48	16°39'36	20°22	7° 1	7° 3	0 M 28	10°13	29°15	4°23	7°24	7°42	26°D 3	25° 6	6°25	18°17	W 9
T 10	5 13 44	17°40'35	4 Υ 34	8°10	8°18	1° 6	10°19	29°19	4°26	7°22	7°41	26° 4	25° 3	6°31	18°16	T 10
F 11	5 17 41	18°41'34	18°51	9°16	9°32	1°44	10°26	29°22	4°29	7°21	7°40	26° 5	25° 0	6°38	18°15	F 11
S 12	5 21 37	19°42'35	3 8 11	10°17	10°47	2°22	10°34	29°25	4°31	7°19	7°38	26° 7	24°57	6°45	18°14	S 12
S 13	5 25 34	20°43'35	17°31	11°14	12° 2	3° 0	10°41	29°28	4°34	7°17	7°37	26° 8	24°53	6°51	18°13	S 13
M14	5 29 30	21°44'37	1 Ⅱ 45	12° 5	13°17	3°38	10°49	29°31	4°37	7°16	7°36	26°R 8	24°50	6°58	18°12	M14
T 15	5 33 27	22°45'38	15°50	12°50	14°32	4°16	10°56	29°34	4°40	7°14	7°35	26° 7	24°47	7° 5	18°10	T 15
W16	5 37 24	23°46'41	29°42	13°28	15°47	4°54	11° 4	29°36	4°43	7°12	7°34	26° 4	24°44	7°11	18° 9	W16
T 17	5 41 20	24°47'44	139517	13°58	17° 2	5°32	11°12	29°39	4°46	7°11	7°33	26° 0	24°41	7°18	18° 7	T 17
F 18	5 45 17	25°48'48	26°32	14°20	18°17	6°10	11°20	29°41	4°48	7° 9	7°32	25°55	24°38	7°25	18° 5	F 18
S 19	5 49 13	26°49'53	9 Ω 27	14°31	19°31	6°48	11°28	29°44	4°51	7° 8	7°31	25°50	24°34	7°32	18° 4	S 19
S 20	5 53 10	27°50'58	22° 3	14°R33	20°46	7°26	11°37	29°46	4°54	7° 6	7°30	25°45	24°31	7°38	18° 2	S 20
M21	5 57 6	28°52'04	4 Mp 22	14°23	22° 1	8° 4	11°45	29°48	4°56	7° 5	7°29	25°41	24°28	7°45	18° 0	M21
T 22	6 1 3	2 <u>9</u> °53'11	16°26	14° 1	23°16	8°42	11°54	29°50	4°59	7° 3	7°28	25°38	24°25	7°52	17°58	T 22
W23	6 5 0	0 ප් 54'18	28°21	13°28	24°31	9°20	12° 3	29°52	5° 1	7° 1	7°27	25°D37	24°22	7°58	17°55	W23
T 24	6 8 56	1°55'26	10 ≏ 12	12°43	25°46	9°58	12°12	29°54	5° 4	7° 0	7°26	25°37	24°18	8° 5	17°53	T 24
F 25	6 12 53	2°56'35	22° 3	11°48	27° 0	10°35	12°21	29°56	5° 6	6°58	7°25	25°39	24°15	8°12	17°51	F 25
S 26	6 16 49	3°57'44	3 M .59	10°42	28°15	11°13	12°30	29°57	5° 9	6°57	7°24	25°40	24°12	8°18	17°48	S 26
S 27	6 20 46	4°58'54	16° 5	9°30	29°30	11°51	12°39	29°59	5°11	6°56	7°23	25°42	24° 9	8°25	17°46	S 27
M28	6 24 42	6° 0'04	28°26	8°11	0≈45	12°29	12°49	0 亚 0	5°13	6°54	7°22	25°R42	24° 6	8°32	17°43	M28
T 29	6 28 39	7° 1'15	11 ×7 5	6°50	1°59	13° 7	12°59	0° 2	5°16	6°53	7°21	25°41	24° 3	8°38	17°40	T 29
W30	6 32 35	<u>8°</u> 2'26	2 <u>4</u> ° 3	<u>5°28</u>	3°14	13°45	13° 8	0° 3	5°18	6°51	7°20	25°38	23°59	8°45	17°37	W30
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M14 T 15 W16 T 17 F 18 S 19	23 18 23 21 23 23	24 28 1 46 26 21 2 54 26 36 3 50 25 19 4 32	24 15 1 24 0 1 23 45 1 23 29 0	1 26 24 2 1 1 14 23 55 1 1 2 23 47 1 0 48 23 38 1	21 11 51 22 12 4 24 12 17 25 12 30 27 12 42 28 12 55	0 57 0 57 0 56 0 56 0 56 0 55	8 39 8 36 8 33 8 30 8 27 8 23	1 14 1 14 1 13 1 13 1 13 1 13	2 10 2 10 2 9 2 8 2 7 2 6	2 10 2 10 2 11	12 37 12 38 12 39	0 29 0 29 0 29 0 29	19 55 19 55 19 55 19 54	1 38 1 38 1 38	10 5 11 40 10 4 11 40 10 4 11 39 10 4 11 39 10 4 11 39	19 18 19 17 19 16 19 15	18 59 18 58 18 57 18 56	0 45 0 41 0 38 0 35 0 32 0 29	8 30 7 8 30 7 8 29 7 8 29 7	14 14 15 16 16 17
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Julian Day Number = 2412067.5, Delta T = -4.36 sec Ecliptic obliquity = $23^{\circ}27'17$, Nutation = $-0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}13'51$, Lahiri = $22^{\circ}20'52$