

Astrodienst Ephemeris Tables for the year 1898

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 1898 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ţ(并	В	S.	Ω	Ç	ķ	Day
S 1	6 42 40	10 ට 39'07	24 Y 8	22°R40	29 × 38	29 × 6	9 ₾ 26	7 ₹ 31	1 才 42	20°R37	13°R14	26°R58	27 궁 49	13 II 11	25 M 18	S 1
S 2	6 46 36	11°40'16	6814	21 궁 54	0 궁 53	29°51	9°30	7°37	1°45	20П35	13 II 13	26 궁 56	27°46	13°17	25°24	S 2
M 3	6 50 33	12°41'25	18°10	20°58	2° 8	0 궁 36	9°34	7°44	1°48	20°34	13°12	26°54	27°43	13°24	25°30	M 3
T 4	6 54 29	13°42'33	0 I 1	19°52	3°24	1°21	9°38	7°50	1°51	20°32	13°11	26°52	27°39	13°31	25°37	T 4
W 5	6 58 26	14°43'42	11°51	18°39	4°39	2° 6	9°41	7°56	1°54	20°31	13°10	26°50	27°36	13°38	25°43	W 5
T 6	7 2 22	15°44'50	23°42	17°21	5°55	2°51	9°45	8° 2	1°57	20°29	13° 9	26°48	27°33	13°44	25°49	T 6
F 7	7 6 19	16°45'58	5936	16° 1	7°10	3°36	9°48	8° 8	2° 0	20°28	13° 8	26°47	27°30	13°51	25°55	F 7
S 8	7 10 16	17°47'05	17°36	14°41	8°26	4°21	9°51	8°14	2° 2	20°26	13° 8	26°47	27°27	13°58	26° 1	S 8
S 9	7 14 12	18°48'13	29°43	13°24	9°41	5° 6	9°54	8°20	2° 5	20°25	13° 7	26°D46	27°24	14° 4	26° 7	S 9
M10	7 18 9	19°49'20	12Ω 0	12°11	10°56	5°52	9°57	8°26	2° 8	20°23	13° 6	26°47	27°20	14°11	26°13	M10
T 11	7 22 5	20°50'26	24°27	11° 5	12°12	6°37	10° 0	8°32	2°11	20°22	13° 5	26°47	27°17	14°18	26°19	T 11
W12	7 26 2	21°51'33	7 m 6	10° 7	13°27	7°22	10° 2	8°38	2°14	20°20	13° 4	26°48	27°14	14°24	26°25	W12
T 13	7 29 58	22°52'39	20° 0	9°19	14°43	8° 7	10° 5	8°44	2°16	20°19	13° 3	26°48	27°11	14°31	26°31	T 13
F 14 S 15	7 33 55 7 37 51	23°53'45 24°54'51	3 <u>0</u> 9 16°36	8°39 8°10	15°58 17°13	8°53 9°38	10° 7 10° 9	8°49 8°55	2°19 2°22	20°18 20°16	13° 2 13° 1	26°49 26°49	27° 8 27° 5	14°38 14°44	26°36 26°42	F 14 S 15
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S 16	7 41 48	25°55'57	0 M 21	7°50	18°29	10°24	10°10	9° 1	2°24	20°15	13° 1	26°R49	27° 1	14°51	26°47	S 16
M17	7 45 45	26°57'03	14°25	7°39	19°44	11° 9	10°12	9° 6	2°27	20°14	13° 0	26°D49	26°58	14°58	26°53	M17
T 18	7 49 41	27°58'08	28°48	7°D37	21° 0	11°55	10°13	9°12	2°29	20°12	12°59	26°49	26°55	15° 4	26°58	T 18
W19 T 20	7 53 38 7 57 34	28°59'13 0≈ 0'18	13 × 25 28°12	7°43 7°56	22°15 23°31	12°40 13°26	10°14 10°15	9°17 9°23	2°32 2°34	20°11 20°10	12°58 12°58	26°49 26°49	26°52 26°49	15°11 15°18	27° 3 27° 9	W19 T 20
F 21	8 1 31	1° 1'22	13 云 2	8°17	23°31 24°46	13 20 14°11	10°15	9°28	2°36	20° 10	12°57	26°50	26°45	15°24	27°14	F 21
S 22	8 5 27	2° 2'25	27°49	8°44	26° 1	14°57	10°17	9°33	2°39	20° 7	12°56	26°R50	26°42	15°31	27°19	S 22
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S 23	8 9 24	3° 3'28	12≈25	9°16	27°17	15°43	10°17	9°38	2°41	20° 6	12°55	26°50	26°39	15°38	27°24	S 23
M24 T 25	8 13 21 8 17 17	4° 4'30 5° 5'30	26°43 10 ¥ 39	9°54 10°36	28°32 29°47	16°28 17°14	10°17 10°R17	9°44 9°49	2°43 2°46	20° 5 20° 4	12°55 12°54	26°49 26°48	26°36 26°33	15°44 15°51	27°28 27°33	M24 T 25
W26	8 21 14	5° 5'30 6° 6'30	24°10	10°36 11°23	29°47 1 ≈ 3	17°14 18° 0	10°K17	9°54	2°48	20° 4	12°53	26°48	26°30	15°58	27°38	W26
T 27	8 25 10	7° 7'29	$7\mathbf{Y}17$	11 23 12°14	2°18	18°46	10°17	9°58	2°50	20° 3	12°53	26°46	26°26	15 38 16° 5	27°42	T 27
F 28	8 29 7	8° 8'26	20° 0	13° 8	3°34	19°32	10°17	10° 3	2°52	20° 2	12°52	26°45	26°23	16°11	27°47	F 28
S 29	8 33 3	9° 9'22	2824	14° 6	4°49	20°18	10°15	10° 8	2°54	20° 0	12°52	26°44	26°20	16°18	27°51	S 29
S 30	8 37 0	10°10'17	14°32	15° 6	6° 4	21° 3	10°14	10°13	2°56	19°59	12°51	26°D44	26°17	16°25	27°55	S 30
M31	8 40 56	11≈11'11	26828	16 පි 9	7≈20	21 궁 49	10 ₽ 13	10 × 17	2 × 758	19П58	12П50	26 පි 44	26 궁 14	16耳31	28 M 0	M31

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S 1	23 s 2	14n15	5n16	20 s22	1n11	23 s25	0n 2	24 s 3	0s36	2 s32	1n19	19s53	1n43	20 s20	0n11	21n44	1 s24	12n13	10s16	20 s47	20 s37	25n59	16 s44	2n26
S 2	22 56	18 30	5 12	20 11	1 31	23 28	0 s 1	24 4	0 37	2 33	1 19	19 54	1 43	20 21	0 11	21 44	1 24	12 13	10 16	20 47	20 37	25 59	16 45	2 27
M 3	-	21 58			1 50		0 3		0 38	2 34	_	19 55		20 22		21 44				20 47			16 46	
T 4		24 29		19 52		23 30		24 5	0 38	2 36	1 20			20 22		21 44				20 48			16 47	- 1
W 5 T 6		25 55 26 11		19 45 19 40		23 30 23 30	0 8 0 10		0 39	2 37 2 38	1 20 1 20			20 23 20 23		21 43 21 43	1 24 1 24			20 48 20 48			16 48 16 49	2 28 2 29
F 7	_			19 40		23 28	0 10		0 40	2 39	1 20			20 23		21 43				20 48			16 50	- 1
S 8				19 35		23 26	0 15		0 40		-	19 59		20 25		21 43				20 49			16 51	
S 9	22 8	19 57	0s16	19 35	3 13	23 24	0 18	24 2	0 41	2 41	1 21	20 0	1 44	20 25	0 11	21 43	1 23	12 13	10 14	20 49	20 42	26 1	16 52	2 30
	-			19 36		23 20	0 20		0 41	2 42	1 21	20 1		20 26	-	21 43	1 23	-		20 49		-	16 53	
T 11	21 50	11 3	2 28	19 38	3 22	23 16	0 22	23 59	0 42	2 43	1 22	20 2	1 44	20 26	0 11	21 43	1 23	12 13	10 14	20 49	20 43	26 1	16 54	2 31
1	21 41	5 43				23 11		23 57	0 43	2 43	1 22			20 27		21 43				20 49			16 55	
	21 31	0 4		19 46				23 55	0 43	2 44	1 22			20 27		21 43				20 48			16 55	-
	21 20			19 52		22 59		23 53	0 44 0 44	2 45				20 28		21 43				20 48			16 56	
	21 10			19 58		22 52		23 50	-	2 45				20 28		21 43				20 48			16 57	
			5 17			22 44		23 47	0 45	2 46	-			20 29	-	21 43				20 48			16 58	
M17 T 18		20 59 24 17	-	20 13 20 21		22 36 22 26		23 44 23 41	0 45 0 46	2 46 2 46	1 23 1 23			20 29 20 30	-	21 43 21 43				20 48 20 48			16 59 16 59	
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				20 38	2 35			23 33	0 47	2 47	1 24			20 31		21 42	1 23			20 48			17 1	2 35
F 21	19 57	24 4	1 16	20 47	2 25	21 55	0 44	23 29	0 47	2 47	1 24	20 10	1 45	20 31	0 11	21 42	1 23	12 14	10 12	20 48	20 49	26 2	17 1	2 36
S 22	19 43	20 31	0n 6	20 55	2 15	21 43	0 46	23 24	0 48	2 47	1 25	20 10	1 45	20 32	0 11	21 42	1 23	12 14	10 12	20 48	20 50	26 2	17 2	2 36
S 23	19 29	15 43	1 26	21 3	2 5	21 30	0 48	23 20	0 48	2 47	1 25	20 11	1 45	20 32	0 11	21 42	1 23	12 15	10 12	20 48	20 50	26 2	17 3	2 37
M24	19 15	10 8		21 11	1 55	21 17		23 15	0 49	2 46	1 25	-	1 45	20 33	0 11	21 42	1 23			20 48			17 3	2 37
T 25	19 0	4 11		21 18	1 44	-	0 52		0 49	2 46	1 25	-		20 33	-	21 42	1 23	-		20 49			17 4	2 38
W26 T 27		1n47		21 25		20 49	0 54	-	0 50	-	1 26			20 34		21 42	1 23			20 49			17 4	2 38 2 39
F 28	18 30 18 15	7 28 12 41		21 31 21 36		20 34 20 18		22 58 22 52	0 50 0 51	2 45 2 45		20 14 20 14		20 34 20 34		21 42 21 42	1 23 1 23			20 49 20 49			17 5 17 5	
S 29				21 40		20 18		22 46	0 51	2 44		20 15		20 34		21 42	1 23			20 49			17 6	
S 30	17 42	21 0	5 2	21 44	0 52	19 45	1 1	22 39	0 52	2 44	1 27	20 15	1 45	20 35	0 11	21 42	1 23	12 16	10 10	20 49	20 54	26 3	17 6	2 40
	17 s26	23n50	-	21 s46		19 s 28	1 s 3	22 s33				20s16		20 s35	-	21n42		-		-			17s 7	-

Julian Day Number = 2414290.5, Delta T = -3.87 sec Ecliptic obliquity = $23^{\circ}27'13$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}18'57$, Lahiri = $22^{\circ}25'57$

FEBRUARY 1898 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	u	v	Ç	ę,	Day
T 1	8 44 53	12≈12'03	8 I I19	17 る 15	8≈35	22 る 35	10°R12	10 × 22	3 ∡ 7 0	19°R57	12°R50	26 궁 46	26 ට 11	16耳38	28 M , 4	T 1
W 2	8 48 50	13°12'54	20° 8	18°23	9°50	23°21	10 ♀ 10	10°26	3° 2	19耳56	12 Ⅱ 49	26°47	26° 7	16°45	28° 8	W 2
T 3	8 52 46	14°13'44	2 95 0	19°32	11° 5	24° 7	10° 9	10°31	3° 3	19°55	12°49	26°49	26° 4	16°51	28°12	T 3
F 4	8 56 43	15°14'32	13°58	20°44	12°21	24°54	10° 7	10°35	3° 5	19°54	12°49	26°50	26° 1	16°58	28°15	F 4
S 5	9 0 39	16°15'19	26° 6	21°58	13°36	25°40	10° 5	10°39	3° 7	19°54	12°48	26°R50	25°58	17° 5	28°19	S 5
S 6	9 4 36	17°16'05	8 Ω 26	23°13	14°51	26°26	10° 2	10°43	3° 8	19°53	12°48	26°50	25°55	17°11	28°23	S 6
M 7	9 8 32	18°16'49	21° 0	24°29	16° 6	27°12	10° 0	10°48	3°10	19°52	12°47	26°48	25°51	17°18	28°26	M 7
T 8	9 12 29	19°17'32	3 m) 47	25°48	17°22	27°58	9°57	10°51	3°11	19°51	12°47	26°46	25°48	17°25	28°30	T 8
W 9	9 16 25	20°18'14	16°49	27° 7	18°37	28°44	9°55	10°55	3°13	19°51	12°46	26°42	25°45	17°31	28°33	W 9
T 10	9 20 22	21°18'54	0요 4	28°28	19°52	29°31	9°52	10°59	3°14	19°50	12°46	26°38	25°42	17°38	28°36	T 10
F 11	9 24 18	22°19'34	13°32	29°50	21° 7	0≈17	9°48	11° 3	3°16	19°50	12°46	26°34	25°39	17°45	28°39	F 11
S 12	9 28 15	23°20'12	27°12	1≈13	22°23	1° 3	9°45	11° 7	3°17	19°49	12°46	26°31	25°36	17°51	28°42	S 12
S 13	9 32 12	24°20'49	11 m 2	2°37	23°38	1°49	9°42	11°10	3°18	19°48	12°45	26°29	25°32	17°58	28°45	S 13
M14	9 36 8	25°21'25	25° 2	4° 3	24°53	2°36	9°38	11°14	3°20	19°48	12°45	26°D29	25°29	18° 5	28°48	M14
T 15	9 40 5	26°22'00	9 √ 11	5°29	26° 8	3°22	9°34	11°17	3°21	19°47	12°45	26°29	25°26	18°11	28°51	T 15
W16	9 44 1	27°22'34	23°27	6°57	27°23	4° 9	9°30	11°20	3°22	19°47	12°45	26°30	25°23	18°18	28°53	W16
T 17	9 47 58	28°23'06	7 궁 47	8°26	28°38	4°55	9°26	11°24	3°23	19°47	12°44	26°32	25°20	18°25	28°56	T 17
F 18	9 51 54	29°23'37	22°10	9°55	29°54	5°41	9°21	11°27	3°24	19°46	12°44	26°R33	25°17	18°31	28°58	F 18
S 19	9 55 51	0) €24'07	6≈30	11°26	1 米 9	6°28	9°17	11°30	3°25	19°46	12°44	26°33	25°13	18°38	29° 1	S 19
S 20	9 59 48	1°24'35	20°43	12°58	2°24	7°14	9°12	11°33	3°26	19°45	12°44	26°31	25°10	18°45	29° 3	S 20
M21	10 3 44	2°25'02	4) (45	14°30	3°39	8° 1	9° 7	11°36	3°27	19°45	12°44	26°27	25° 7	18°51	29° 5	M21
T 22	10 741	3°25'27	18°31	16° 4	4°54	8°47	9° 2	11°38	3°28	19°45	12°44	26°21	25° 4	18°58	29° 7	T 22
W23	10 11 37	4°25'50	1 Y 57	17°38	6° 9	9°34	8°57	11°41	3°28	19°45	12°44	26°15	25° 1	19° 5	29° 9	W23
T 24	10 15 34	5°26'11	15° 3	19°14	7°24	10°21	8°52	11°44	3°29	19°45	12°44	26° 8	24°57	19°11	29°10	T 24
F 25	10 19 30	6°26'31	27°49	20°51	8°39	11° 7	8°46	11°46	3°30	19°44	12°D44	26° 2	24°54	19°18	29°12	F 25
S 26	10 23 27	7°26'48	10 8 15	22°28	9°54	11°54	8°40	11°49	3°30	19°44	12°44	25°56	24°51	19°25	29°14	S 26
S 27	10 27 23	8°27'04	22°24	24° 7	11° 9	12°40	8°35	11°51	3°31	19°44	12°44	25°53	24°48	19°31	29°15	S 27
M28	10 31 20	9 米 27'17	4 Ⅱ 23	25 ≈ 46	12) (24	13 ≈ 27	8 ₾ 29	11 × 753	3 ₹ 31	19 ∏ 44	12 ∏ 44	25°D51	24 궁 45	19 Ⅱ 38	29 M .16	M28

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T 1	17s 9	25n37	3n57	21 s48	0n33	19s10	1 s 4	22 s26	0s53	2 s42	1n27	20 s17	1n46	20 s36	0n11	21n42	1 s23				20 s56		17s 7	2n41
W 2	16 52	26 14	3 9	21 49	0 23	18 51	1 6	22 18	0 53	2 41	1 27	20 17	1 46	20 36	0 11	21 42	1 23	12 16	10 10	20 49	20 56	26 3	17 7	2 42
T 3	16 34	25 39	2 13	21 48	0 14	18 32	1 7	22 11	0 54	2 41	1 28	20 18	1 46	20 37	0 11	21 42	1 22	12 16	10 9	20 48	20 57	26 3	17 8	2 43
F 4	16 16	23 53	1 11	21 47	0 5	18 13	1 9	22 3	0 54	2 40	1 28	20 18	1 46	20 37	0 11	21 42	1 22	12 16	10 9	20 48	20 57	26 3	17 8	2 43
S 5	15 58	21 0	0 4	21 44	0s 4	17 52	1 10	21 55	0 55	2 39	1 28	20 19	1 46	20 37	0 11	21 42	1 22	12 17	10 9	20 48	20 58	26 3	17 8	2 44
S 6	15 40	17 8	1 s 4	21 40	0 13	17 32	1 12	21 47	0 55	2 37	1 28	20 19	1 46	20 38	0 11	21 42	1 22	12 17	10 9	20 48	20 59	26 3	17 9	2 44
M 7	15 22	12 28	2 9	21 35	0 21	17 11	1 13	21 39	0 56	2 36	1 29	20 20	1 46	20 38	0 11	21 42	1 22	12 17	10 8	20 49	20 59	26 3	17 9	2 45
T 8	15 3	7 11	3 10	21 29	0 29	16 49	1 14	21 30	0 56	2 35	1 29	20 20	1 46	20 38	0 11	21 42	1 22	12 17	10 8	20 49	21 0	26 3	17 9	2 45
W 9	14 44	1 30	4 1	21 21	0 37	16 27	1 15	21 21	0 57	2 34	1 29	20 20	1 46	20 38	0 11	21 42	1 22	12 17	10 8	20 50	21 0	26 3	17 9	2 46
T 10	14 24	4s19	4 41	21 13	0 45	16 4	1 16	21 12	0 57	2 32	1 29	20 21	1 46	20 39	0 11	21 42	1 22	12 18	10 8	20 50	21 1	26 3	17 9	2 46
F 11	14 5	10 2	5 6	21 3	0 52	15 41	1 18	21 2	0 58	2 31	1 30	20 21	1 47	20 39	0 11	21 42	1 22	12 18	10 7	20 51	21 2	26 2	17 9	2 47
S 12	13 45	15 21	5 14	20 52	0 59	15 18	1 19	20 53	0 58	2 29	1 30	20 22	1 47	20 39	0 11	21 42	1 22	12 18	10 7	20 52	21 2	26 2	17 10	2 47
S 13	13 25	19 57	5 4	20 39	1 6	14 54	1 20	20 43	0 58	2 28	1 30	20 22	1 47	20 39	0 11	21 42	1 22	12 18	10 7	20 52	21 3	26 2	17 10	2 48
M14	13 5	23 30	4 36	20 25	1 12	14 30	1 20	20 33	0 59	2 26	1 30	20 22	1 47	20 40	0 11	21 42	1 22	12 18	10 7	20 52	21 3	26 2	17 10	2 49
T 15	12 44	25 39	3 51	20 10	1 18	14 5	1 21	20 22	0 59	2 24	1 31	20 23	1 47	20 40	0 11	21 42	1 22	12 19	10 6	20 52	21 4	26 2	17 10	2 49
W16	12 23	26 9	2 51	19 54	1 24	13 40	1 22	20 12	1 0	2 22	1 31	20 23	1 47	20 40	0 11	21 42	1 22	12 19	10 6	20 52	21 4	26 2	17 10	2 50
T 17	12 3	24 54	1 41	19 37	1 30	13 15	1 23	20 1	1 0	2 20	1 31	20 23	1 47	20 40	0 11	21 42	1 22	12 19	10 6	20 52	21 5	26 2	17 10	2 50
F 18	11 41	22 1	0 24	19 18	1 35	12 49	1 23	19 50	1 1	2 19	1 31	20 24	1 47	20 41	0 11	21 42	1 22	12 19	10 6	20 51	21 6	26 2	17 10	2 51
S 19	11 20	17 47	0n54	18 57	1 40	12 23	1 24	19 39	1 1	2 17	1 32	20 24	1 48	20 41	0 11	21 42	1 22	12 20	10 5	20 51	21 6	26 2	17 10	2 51
S 20	10 59	12 34	2 8	18 36	1 44	11 56	1 24	19 28	1 1	2 15	1 32	20 24	1 48	20 41	0 11	21 42	1 22	12 20	10 5	20 52	21 7	26 2	17 9	2 52
M21	10 37	6 47	3 13	18 13	1 48	11 30	1 25	19 16	1 2	2 12	1 32	20 25	1 48	20 41	0 11	21 42	1 22	12 20	10 5	20 53	21 7	26 1	17 9	2 53
T 22	10 15	0 47	4 6	17 49	1 52	11 3	1 25	19 4	1 2	2 10	1 32	20 25	1 48	20 41	0 11	21 42	1 22	12 20	10 5	20 54	21 8	26 1	17 9	2 53
W23	9 53	5n 6	4 43	17 23	1 56	10 35	1 26	18 52				20 25	1 48	20 41	0 11	21 42	1 21	12 21	10 4	20 55	21 9	26 1	17 9	2 54
T 24	9 31	10 37	5 4	16 57	1 59	10 8			1 3	2 6	1 33	20 25	1 48	20 41	0 11	21 42	1 21	12 21	10 4	20 56	21 9	26 1	17 9	2 54
F 25	9 9	15 31	5 10	16 28	2 2	9 40	1 26	18 28	1 3			20 25	1 48	20 42	0 11	21 42	1 21	12 21	10 4	20 57	21 10	26 1	17 9	2 55
S 26		19 39	-	15 59			-	18 15	1 4	2 1		20 26		20 42	-	21 42			-		21 10		17 8	2 56
S 27	8 24	22 51	4 38	15 28	2 6	8 43	1 26	18 2	1 4	1 59	1 33	20 26	1 49	20 42	0 11	21 42	1 21	12 22	10 3	20 59	21 11	26 0	17 8	2 56
M28	8 s 2	25n 1	4n 3	14 s 5 6	2s 7	8s14	1 s26	17 s49	1 s 4	1 s56	1n33	$20\mathrm{s}26$	1n49	$20\mathrm{s}42$	0n11	21n42	1 s21	12n22	10s 3	20 s59	21 s11	26n 0	17s 8	2n57

Julian Day Number = 2414321.5, Delta T = -3.81 sec Ecliptic obliquity = $23^{\circ}27'13$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'01$, Lahiri = $22^{\circ}26'02$

MARCH 1898 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	n	v	Ç	Ŗ	Day
T 1	10 35 16	10) 27'29	16 I I14	27≈27	13) (39	14≈14	8°R23	11 ৴ 55	3 ₹ 32	19°D44	12 Ⅱ 44	25 る 52	24 3 42	19 Ⅱ 45	29 TL 18	T 1
W 2	10 39 13	11°27'39	28° 3	29° 9	14°54	15° 0	8 ≏ 17	11°57	3°32	19 Ⅱ 44	12°44	25°53	24°38	19°51	29°19	W 2
T 3	10 43 10	12°27'46	9955	0 ₩51	16° 9	15°47	8°10	11°59	3°32	19°44	12°44	25°54	24°35	19°58	29°20	T 3
F 4	10 47 6	13°27'51	21°56	2°35	17°24	16°34	8° 4	12° 1	3°33	19°44	12°44	25°R55	24°32	20° 5	29°21	F 4
S 5	10 51 3	14°27'55	4 Ω 10	4°20	18°39	17°20	7°58	12° 3	3°33	19°45	12°44	25°55	24°29	20°11	29°21	S 5
S 6	10 54 59	15°27'56	16°40	6° 6	19°54	18° 7	7°51	12° 4	3°33	19°45	12°44	25°53	24°26	20°18	29°22	S 6
M 7	10 58 56	16°27'55	29°28	7°53	21° 9	18°54	7°44	12° 6	3°33	19°45	12°45	25°48	24°23	20°25	29°23	M 7
T 8	11 2 52	17°27'52	12 m 35	9°41	22°23	19°41	7°37	12° 7	3°R33	19°45	12°45	25°41	24°19	20°31	29°23	T 8
W 9	11 6 49	18°27'47	26° 1	11°31	23°38	20°27	7°31	12° 8	3°33	19°45	12°45	25°33	24°16	20°38	29°23	W 9
T 10	11 10 45	19°27'40	9 ≏ 44	13°21	24°53	21°14	7°24	12°10	3°33	19°46	12°45	25°24	24°13	20°45	29°24	T 10
F 11	11 14 42	20°27'32	23°39	15°13	26° 8	22° 1	7°17	12°11	3°33	19°46	12°46	25°15	24°10	20°51	29°24	F 11
S 12	11 18 39	21°27'21	7 M .42	17° 6	27°22	22°48	7° 9	12°12	3°33	19°46	12°46	25° 7	24° 7	20°58	29°R24	S 12
S 13	11 22 35	22°27'09	21°51	18°59	28°37	23°34	7° 2	12°13	3°33	19°47	12°46	25° 1	24° 3	21° 5	29°24	S 13
M14	11 26 32	23°26'56	6 ₹ 1	20°54	29°52	24°21	6°55	12°14	3°32	19°47	12°47	24°57	24° 0	21°11	29°23	M14
T 15	11 30 28	24°26'41	20°11	22°50	1 ℃ 7	25° 8	6°47	12°14	3°32	19°48	12°47	24°D56	23°57	21°18	29°23	T 15
W16	11 34 25	25°26'24	4 궁 17	24°47	2°21	25°55	6°40	12°15	3°32	19°48	12°48	24°56	23°54	21°25	29°23	W16
T 17	11 38 21	26°26'05	18°20	26°45	3°36	26°41	6°33	12°15	3°31	19°49	12°48	24°R57	23°51	21°31	29°22	T 17
F 18	11 42 18	27°25'45	2≈19	28°44	4°51	27°28	6°25	12°16	3°31	19°49	12°48	24°56	23°48	21°38	29°22	F 18
S 19	11 46 14	28°25'23	16°12	0 Υ 44	6° 5	28°15	6°17	12°16	3°30	19°50	12°49	24°55	23°44	21°45	29°21	S 19
S 20	11 50 11	29°24'59	29°58	2°44	7°20	29° 2	6°10	12°16	3°30	19°51	12°49	24°50	23°41	21°51	29°20	S 20
M21	11 54 8	0 Υ 24'33	13 米 35	4°45	8°34	29°49	6° 2	12°17	3°29	19°51	12°50	24°43	23°38	21°58	29°19	M21
T 22	11 58 4	1°24'05	27° 0	6°46	9°49	0 ∺ 36	5°54	12°R17	3°28	19°52	12°50	24°33	23°35	22° 5	29°18	T 22
W23	12 2 1	2°23'35	10 Y 11	8°48	11° 4	1°22	5°47	12°16	3°28	19°53	12°51	24°21	23°32	22°11	29°17	W23
T 24	12 5 57	3°23'03	23° 6	10°49	12°18	2° 9	5°39	12°16	3°27	19°53	12°51	24° 9	23°28	22°18	29°16	T 24
F 25	12 9 54	4°22'29	5 8 44	12°50	13°33	2°56	5°31	12°16	3°26	19°54	12°52	23°57	23°25	22°25	29°14	F 25
S 26	12 13 50	5°21'53	18° 6	14°50	14°47	3°43	5°23	12°16	3°25	19°55	12°53	23°47	23°22	22°31	29°13	S 26
S 27	12 17 47	6°21'14	0 П 15	16°49	16° 2	4°30	5°16	12°15	3°24	19°56	12°53	23°39	23°19	22°38	29°11	S 27
M28	12 21 43	7°20'34	12°12	18°47	17°16	5°16	5° 8	12°15	3°23	19°57	12°54	23°34	23°16	22°45	29°10	M28
T 29	12 25 40	8°19'51	24° 3	20°44	18°30	6° 3	5° 0	12°14	3°22	19°58	12°55	23°31	23°13	22°51	29° 8	T 29
W30	12 29 37	9°19'06	5951	22°38	19°45	6°50	4°52	12°13	3°21	19°59	12°55	23°D30	2 <u>3°</u> 9	22°58	29° 6	W30
T 31	12 33 33	10 Y 18'18	179543	24 Υ 29	20 Υ 59	7) 37	4 º 45	12 × 12	3 ₹ 20	20耳 0	12 II 56	23°R30	23중 6	23 II 5	29M 4	T 31

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T 1 W 2 T 3 F 4 S 5	6 30	25 51 2 25 24 30 1 26 22 1 0 22	13 12 2 10	7 16 1 26 17 6 47 1 26 17 6 18 1 26 16	23 1 5 9 1 5 56 1 6	1 51 1 34 1 48 1 34 1 46 1 34	20 26 1 49 20 26 1 49 20 26 1 49	20 42 0 11 20 42 0 11 20 42 0 11	21n42 1 s21 21 43 1 21 21 43 1 21 21 43 1 21 21 43 1 21	12 22 10 2 12 23 10 2 12 23 10 2	20 59 21 20 59 21	13 26 0 13 26 0 14 25 59	17 7 2 58 17 7 2 59 17 6 2 59
S 6 M 7 T 8 W 9 T 10	5 44 5 21 4 57 4 34 4 10	14 7 1 50 9 0 2 51 3 23 3 44 2 s 2 4 4 54	11 16 2 8 10 35 2 7 9 52 2 5 9 8 2 2 8 23 1 59	5 18 1 25 16 4 49 1 25 16 4 19 1 24 15 3 48 1 24 15 3 18 1 23 15	28 1 6 14 1 7 59 1 7 45 1 7 30 1 8	1 40 1 34 1 38 1 34 1 35 1 35 1 32 1 35 1 29 1 35	20 27 1 49 20 27 1 50 20 27 1 50 20 27 1 50 20 27 1 50 20 27 1 50	20 42 0 11 20 42 0 11 20 42 0 11 20 42 0 11 20 42 0 11	21 43 1 21 21 43 1 21 21 43 1 21 21 43 1 21 21 43 1 21	12 24 10 1 12 24 10 1 12 24 10 1 12 24 10 1 12 25 10 0	20 59 21 21 0 21 21 1 21 21 3 21 21 4 21	15 25 59 15 25 59 16 25 59 16 25 58 17 25 58	17 5 3 0 17 5 3 1 17 5 3 2 17 4 3 2 17 3 3 3
F 11 S 12 S 13 M14 T 15 W16	3 47 3 23 3 0 2 36 2 12 1 49	22 38 4 33 25 7 3 51 26 0 2 55	6 49 1 52	2 17 1 22 15 1 47 1 21 14	30 1 9 14 1 9	1 23 1 35 1 20 1 35 1 17 1 35 1 14 1 35	20 27 1 50 20 27 1 50 20 27 1 50 20 27 1 50 20 27 1 51	20 42 0 11 20 42 0 11 20 42 0 11 20 42 0 11	21 43 1 21 21 43 1 20 21 43 1 20 21 43 1 20 21 44 1 20 21 44 1 20	12 25 10 0 12 26 10 0 12 26 9 59 12 26 9 59	21 9 21 21 9 21 21 9 21	18 25 57 19 25 57 19 25 57	17 3 3 3 17 2 3 4 17 2 3 4 17 1 3 5 17 0 3 6 17 0 3 6
T 17 F 18 S 19	1 25 1 1 0 38	19 1 0n39 14 14 1 51	2 35 1 24 1 41 1 17 0 46 1 9	0 46 1 16 13	27 1 10	1 5 1 36	20 27 1 51	20 42 0 11	21 44 1 20 21 44 1 20 21 44 1 20	12 27 9 58	_	21 25 56 21 25 56 22 25 55	16 58 3 7
S 20 M21 T 22 W23 T 24 F 25 S 26	0 14 0n10 0 33 0 57 1 21 1 44 2 8	8 45 2 55 2 56 3 49 2n55 4 28 8 31 4 53 13 39 5 2 18 5 4 56 21 39 4 36	1 5 0 52 2 2 0 43 2 59 0 33 3 56 0 23 4 53 0 12	2 48 1 11 12 3 19 1 9 12 3 49 1 8 11	39 1 11 22 1 11 6 1 11 49 1 11 33 1 11	0 56 1 36 0 53 1 36 0 50 1 36 0 47 1 36 0 44 1 36	20 26 1 51 20 26 1 51 20 26 1 52 20 26 1 52 20 26 1 52	20 41 0 11 20 41 0 11 20 41 0 11 20 41 0 11 20 41 0 11	21 44 1 20 21 45 1 20 21 45 1 20	12 28 9 58 12 28 9 57 12 29 9 57 12 29 9 57 12 29 9 57	21 10 21 21 12 21 21 13 21 21 16 21 21 18 21 21 20 21 21 21 21	23 25 55 24 25 54 24 25 54 25 25 54 25 25 53	16 56 3 9 16 55 3 10 16 55 3 10 16 54 3 11 16 53 3 12
S 27 M28 T 29 W30 T 31	2 55 3 18	25 49 2 30 24 52 1 32	7 42 0 21 8 36 0 33 9 30 0 45	5 50 1 2 10 6 20 1 0 10 6 50 0 58 10	42 1 12	0 34 1 36 0 31 1 36 0 28 1 36	20 25 1 52 20 25 1 52 20 25 1 52	20 40 0 11 20 40 0 11 20 40 0 11	21 45 1 20 21 45 1 20 21 45 1 20 21 45 1 20 21 45 1 s20	12 30 9 56 12 30 9 56 12 31 9 56	21 23 21 21 24 21 21 24 21 21 24 21 21 s24 21s	27 25 52 27 25 52 28 25 51	16 50 3 13 16 49 3 14 16 48 3 14

Julian Day Number = 2414349.5, Delta T = -3.75 sec Ecliptic obliquity = $23^{\circ}27'13$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'05$, Lahiri = $22^{\circ}26'06$

APRIL 1898 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)f(并	В	S.	v	Ç	ę,	Day
F 1	12 37 30	11 Y 17'28	299544	26 Υ 18	22 Y 13	8) 24	4°R37	12°R11	3°R19	20耳 1	12 II 57	23°R30	23중 3	23 I I11	29°R 2	F 1
S 2	12 41 26	12°16'36	11 Ω 59	28° 3	23°28	9°10	4 ₾ 29	12 × 10	3 ∡ 17	20° 2	12°57	23 る 29	23° 0	23°18	29 M 0	S 2
S 3	12 45 23	13°15'42	24°33	29°45	24°42	9°57	4°22	12° 9	3°16	20° 3	12°58	23°26	22°57	23°25	28°58	S 3
M 4	12 49 19	14°14'45	7 m 29	1823	25°56	10°44	4°14	12° 8	3°15	20° 4	12°59	23°20	22°54	23°31	28°55	M 4
T 5	12 53 16	15°13'46	20°50	2°56	27°10	11°31	4° 7	12° 6	3°14	20° 5	13° 0	23°11	22°50	23°38	28°53	T 5
W 6	12 57 12	16°12'45	4 Ω 35	4°25	28°25	12°17	3°59	12° 5	3°12	20° 6	13° 1	23° 1	22°47	23°45	28°50	W 6
T 7	13 1 9	17°11'41	18°40	5°49	29°39	13° 4	3°52	12° 3	3°11	20° 7	13° 1	22°49	22°44	23°51	28°48	T 7
F 8	13 5 5	18°10'36	3M 2	7° 7	0 8 53	13°51	3°45	12° 2	3° 9	20° 9	13° 2	22°37	22°41	23°58	28°45	F 8
S 9	13 9 2	19° 9'29	17°33	8°21	2° 7	14°37	3°37	12° 0	3° 8	20°10	13° 3	22°26	22°38	24° 5	28°42	S 9
S 10	13 12 59	20° 8'20	2 √ 8	9°28	3°21	15°24	3°30	11°58	3° 6	20°11	13° 4	22°18	22°34	24°11	28°40	S 10
M11	13 16 55	21° 7'10	16°38	10°30	4°35	16°11	3°23	11°56	3° 5	20°13	13° 5	22°13	22°31	24°18	28°37	M11
T 12	13 20 52	22° 5'57	1ਰ 1	11°27	5°49	16°57	3°16	11°54	3° 3	20°14	13° 6	22°10	22°28	24°25	28°34	T 12
W13	13 24 48	23° 4'43	15°12	12°17	7° 3	17°44	3° 9	11°52	3° 1	20°15	13° 7	22° 9	22°25	24°31	28°31	W13
T 14	13 28 45	24° 3'27	29°12	13° 1	8°17	18°31	3° 2	11°50	2°59	20°17	13° 8	22° 9	22°22	24°38	28°28	T 14
F 15	13 32 41	25° 2'10	12≈59	13°39	9°31	19°17	2°55	11°48	2°58	20°18	13° 9	22° 9	22°19	24°45	28°24	F 15
S 16	13 36 38	26° 0'51	26°34	14°11	10°45	20° 4	2°49	11°45	2°56	20°19	13°10	22° 6	22°15	24°51	28°21	S 16
S 17	13 40 35	26°59'30	9 ∺ 59	14°37	11°59	20°50	2°42	11°43	2°54	20°21	13°11	22° 1	22°12	24°58	28°18	S 17
M18	13 44 31	27°58'07	23°12	14°56	13°13	21°37	2°36	11°40	2°52	20°22	13°12	21°53	22° 9	25° 5	28°14	M18
T 19	13 48 28	28°56'43	6 Υ 14	15°10	14°27	22°23	2°29	11°38	2°50	20°24	13°13	21°42	22° 6	25°11	28°11	T 19
W20	13 52 24	29°55'16	19° 4	15°17	15°41	23°10	2°23	11°35	2°48	20°26	13°14	21°30	22° 3	25°18	28° 7	W20
T 21	13 56 21	0 8 53'48	1842	15°R18	16°54	23°56	2°17	11°32	2°46	20°27	13°15	21°16	22° 0	25°25	28° 4	T 21
F 22	14 0 17	1°52'18	14° 7	15°14	18° 8	24°43	2°11	11°30	2°44	20°29	13°16	21° 3	21°56	25°31	28° 0	F 22
S 23	14 4 14	2°50'47	26°20	15° 5	19°22	25°29	2° 5	11°27	2°42	20°30	13°17	20°52	21°53	25°38	27°56	S 23
S 24	14 8 10	3°49'13	8 Ⅲ 23	14°50	20°36	26°16	2° 0	11°24	2°40	20°32	13°18	20°43	21°50	25°45	27°52	S 24
M25	14 12 7	4°47'37	20°17	14°30	21°49	27° 2	1°54	11°21	2°38	20°34	13°19	20°36	21°47	25°51	27°49	M25
T 26	14 16 3	5°45'59	295 5	14° 6	23° 3	27°48	1°49	11°17	2°36	20°35	13°20	20°33	21°44	25°58	27°45	T 26
W27	14 20 0	6°44'20	13°53	13°38	24°17	28°35	1°43	11°14	2°34	20°37	13°21	20°31	21°40	26° 5	27°41	W27
T 28	14 23 57	7°42'38	25°44	13° 7	25°30	29°21	1°38	11°11	2°32	20°39	13°23	20°D31	21°37	26°11	27°37	T 28
F 29	14 27 53	8°40'54	7 Ω 43	12°33	26°44	0 Υ 7	1°33	11°8	2°30	20°40	13°24	20°R32	21°34	26°18	27°33	F 29
S 30	14 31 50	9839'08	19 Q 57	11857	27 8 58	oΥ54	1 ≏ 28	11🗷 4	2 ~ 27	20∏42	13 Ⅱ 25	20 ට 31	21 る 31	26Ⅱ25	27 M 29	S 30

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F 1	4n28			11n13	-	7n49	0s54	9 s33		0 s22		20 s24		20 s40		21n45		12n31				25n51		
S 2	4 51	15 40	1 36	12 2	1 20	8 18	0 53	9 16	1 13	0 19	1 36	20 24	1 53	20 39	0 11	21 45	1 19	12 32	9 55	21 25	21 30	25 50	16 45	3 16
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F 8	7 8	17 9	4 56	16 7	2 21	11 9	0 40	7 29	1 14	0 2	1 36	20 22	1 53	20 38	0 10	21 46	1 19	12 34	9 54	21 33	21 33	25 47	16 39	3 19
S 9	7 30	21 26	4 32	16 39	2 29	11 37	0 38	7 11	1 14	0n 1	1 35	20 22	1 54	20 37	0 10	21 46	1 19	12 34	9 53	21 35	21 33	25 47	16 38	3 20
S 10	7 53	24 23	3 52	17 8	2 37	12 5	0 36	6 53	1 14	0 4	1 35	20 22	1 54	20 37	0 10	21 47	1 19	12 34	9 53	21 36	21 34	25 46	16 37	3 20
M11	8 15	-		17 34	2 43		0 34	6 35	1 14	0 7	1 35	-		20 37		21 47						25 46		
T 12		25 16		17 56	2 48		0 31	6 17	1 14	0 9	1 35	-		20 37		21 47	1 19					25 46		3 21
W13 T 14	8 59 9 20	23 12 19 43		18 16 18 33	2 53 2 56		0 29 0 27	5 59 5 41	1 14 1 14	0 12 0 15	1 35 1 35			20 36 20 36		21 47 21 47	1 19 1 19					25 45 25 45		3 22 3 22
F 15	9 42	-		18 47	2 58		0 24	5 23	1 14	0 17		20 20		20 36		21 47	1 19					25 44		3 23
S 16	10 3	9 59	2 51	18 57	2 59		0 22	5 4	1 14	0 20		20 19		20 35		21 47	1 19	12 36				25 43		3 23
S 17	10 24	4 22	3 44	19 5	2 59	15 8	0 20	4 46	1 14	0 22	1 35	20 19	1 54	20 35	0 10	21 48	1 19	12 36	9 52	21 39	21 37	25 43	16 29	3 24
M18	10 45	1n20	4 24	19 9	2 58	15 33	0 17	4 28	1 14	0 25	1 35	20 19	1 54	20 34	0 10	21 48	1 19	12 37	9 51	21 40	21 38	25 42	16 27	3 24
T 19	11 6	6 54	4 50		2 55		0 15	4 9	1 14	0 27	1 34			20 34		21 48	1 19					25 42		
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S 23	-	23 19		18 45		17 30	0 5	2 56		0 34		20 17		20 33		21 48		12 38				25 40		3 27
S 24	12 48	25 4	3 24	18 32	2 20	17 53	0 2	2 37	1 14	0 38	1 34	20 16	1 55	20 32	0.10	21 49	1 18	12 38	9 50	21 51	21 41	25 39	16 20	3 27
M25	-	25 39		18 16	2 10		0n 0	2 19	1 14	0 40	1 34			20 32		21 49	1 18					25 39		
T 26	13 27			17 57	1 58	-	0 3	2 0	1 14	0 42		20 15		20 31		21 49	1 18					25 38		3 28
W27	-	23 19		17 36	1 44		0 5	1 42	1 14	0 44	1 33			20 31		21 49	1 18					25 37		
T 28	14 5			17 13	1 30	19 17	0 8	1 23		0 46	1 33			20 31		21 49	1 18					25 37		
F 29 S 30		16 54		16 48	1 15 0n50		0 11 0n13	1 5	1 14	0 48		20 13		20 30		21 49		-			_	25 36		-
5 30	14n43	12n28	2 S 3 U	16n22	0n59	19n56	0n13	0 s46	1 s 1 4	0n50	1n33	20s13	1n55	20 s30	Unio	21n50	1818	12n40	9 S49	21 S53	21 S44	25n36	16812	3n30

 $\label{eq:Julian Day Number = 2414380.5, Delta T = -3.68 sec} \\ Ecliptic obliquity = 23°27'13, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 23°19'09, Lahiri = 22°26'10} \\$

MAY 1898 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	₽.	v	Ç	ę,	Day
S 1	14 35 46	10837'20	2 m 30	11°R19	29811	1 Υ 40	1°R24	11°R 1	2°R25	20∏44	13П26	20°R29	21 궁 28	26耳31	27°R24	S 1
M 2	14 39 43	11°35'29	15°27	10841	0П25	2°26	1 ≏ 19	10 ∡ 57	2 ~ 23	20°46	13°27	20중25	21°25	26°38	27 M 20	M 2
T 3	14 43 39	12°33'37	28°52	10° 3	1°38	3°12	1°15	10°54	2°21	20°48	13°29	20°18	21°21	26°45	27°16	T 3
W 4	14 47 36	13°31'43	12 ≏ 44	9°25	2°52	3°58	1°10	10°50	2°18	20°50	13°30	20° 9	21°18	26°51	27°12	W 4
T 5	14 51 32	14°29'48	27° 2	8°49	4° 5	4°44	1° 6	10°46	2°16	20°51	13°31	19°59	21°15	26°58	27° 8	T 5
F 6	14 55 29	15°27'50	11 M 41	8°14	5°18	5°30	1° 2	10°43	2°14	20°53	13°32	19°50	21°12	27° 5	27° 3	F 6
S 7	14 59 26	16°25'51	26°33	7°42	6°32	6°16	0°59	10°39	2°11	20°55	13°33	19°41	21° 9	27°11	26°59	S 7
S 8	15 3 22	17°23'50	11 ,7 31	7°13	7°45	7° 2	0°55	10°35	2° 9	20°57	13°35	19°34	21° 6	27°18	26°55	S 8
M 9	15 7 19	18°21'48	26°25	6°47	8°58	7°48	0°52	10°31	2° 7	20°59	13°36	19°30	21° 2	27°25	26°50	M 9
T 10	15 11 15	19°19'45	11 궁 7	6°25	10°11	8°34	0°49	10°27	2° 4	21° 1	13°37	19°28	20°59	27°31	26°46	T 10
W11	15 15 12	20°17'40	25°34	6° 7	11°25	9°20	0°45	10°23	2° 2	21° 3	13°39	19°D27	20°56	27°38	26°42	W11
T 12	15 19 8	21°15'34	9 ≈ 41	5°54	12°38	10° 6	0°43	10°19	1°59	21° 5	13°40	19°28	20°53	27°45	26°37	T 12
F 13	15 23 5	22°13'27	23°30	5°44	13°51	10°52	0°40	10°15	1°57	21° 7	13°41	19°R29	20°50	27°51	26°33	F 13
S 14	15 27 1	23°11'18	6 ∺ 59	5°39	15° 4	11°38	0°37	10°11	1°54	21° 9	13°42	19°28	20°46	27°58	26°28	S 14
S 15	15 30 58	24° 9'08	20°12	5°D39	16°17	12°23	0°35	10° 7	1°52	21°11	13°44	19°25	20°43	28° 4	26°24	S 15
M16	15 34 55	25° 6'57	3Υ 10	5°44	17°30	13° 9	0°33	10° 2	1°50	21°13	13°45	19°19	20°40	28°11	26°19	M16
T 17	15 38 51	26° 4'45	15°54	5°52	18°43	13°55	0°31	9°58	1°47	21°15	13°46	19°12	20°37	28°18	26°15	T 17
W18	15 42 48	27° 2'32	28°26	6° 6	19°56	14°40	0°29	9°54	1°45	21°17	13°48	19° 3	20°34	28°24	26°11	W18
T 19	15 46 44	28° 0'17	10 8 47	6°24	21° 9	15°26	0°27	9°50	1°42	21°19	13°49	18°54	20°31	28°31	26° 6	T 19
F 20	15 50 41	28°58'02	22°58	6°46	22°22	16°11	0°26	9°45	1°40	21°21	13°50	18°45	20°27	28°38	26° 2	F 20
S 21	15 54 37	29°55'45	5 I I 0	7°13	23°35	16°57	0°25	9°41	1°37	21°23	13°52	18°37	20°24	28°44	25°57	S 21
S 22	15 58 34	0耳53′26	16°55	7°44	24°48	17°42	0°23	9°37	1°35	21°26	13°53	18°30	20°21	28°51	25°53	S 22
M23	16 2 30	1°51'07	28°45	8°18	26° 1	18°28	0°23	9°32	1°32	21°28	13°54	18°26	20°18	28°58	25°48	M23
T 24	16 6 27	2°48'46	10932	8°57	27°14	19°13	0°22	9°28	1°30	21°30	13°56	18°24	20°15	29° 4	25°44	T 24
W25	16 10 24	3°46'23	22°19	9°40	28°27	19°58	0°21	9°23	1°27	21°32	13°57	18°D24	20°11	29°11	25°40	W25
T 26	16 14 20	4°43'59	4 Ω 10	10°26	29°40	20°43	0°21	9°19	1°25	21°34	13°58	18°25	20° 8	29°18	25°35	T 26
F 27	16 18 17	5°41'34	16°10	11°16	0952	21°29	0°21	9°15	1°22	21°36	14° 0	18°26	20° 5	29°24	25°31	F 27
S 28	16 22 13	6°39'07	28°23	12°10	2° 5	22°14	0°D21	9°10	1°20	21°38	14° 1	18°27	20° 2	29°31	25°27	S 28
S 29	16 26 10	7°36'39	10 m 55	13° 6	3°18	22°59	0°21	9° 6	1°17	21°41	14° 3	18°R28	19°59	29°38	25°22	S 29
M30	16 30 6	8°34'10	23°49	14° 7	4°30	23°44	0°21	9° 1	1°15	21°43	1 <u>4</u> ° 4	1 <u>8°</u> 26	1 <u>9</u> °56	29°44	25°18	M30
T 31	16 34 3	9∏31'39	7 ≙ 9	15 8 10	59643	24 Y 29	0 ჲ 22	8 ∡ 757	1 ~ 12	21 Ⅱ 45	14 II 5	18 궁 24	19 る 52	29∏51	25 M 14	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl d	ecl decl	decl lat
S 1 M 2	15n 1 15 19			3 20n15 0n16 6 20 33 0 18	0 s28 1 s13 0 9 1 13	0n52 1n32 0 53 1 32			21n50 1s18 21 50 1 18		21 s53 21 : 21 54 21		
T 3 W 4	15 37 15 55	9 39 5 1	14 30 0s		0n 9 1 13 0 28 1 13	0 55 1 32 0 56 1 32	20 11 1 55	20 28 0 10	21 50 1 18 21 50 1 18	12 41 9 49	21 55 21 21 56 21	46 25 33	16 7 3 31
T 5 F 6 S 7	16 29		13 35 0 4	6 21 24 0 26 3 21 40 0 29 0 21 55 0 31	0 46 1 13 1 4 1 13 1 23 1 13	0 59 1 31	20 10 1 55	20 27 0 10	21 50 1 18 21 51 1 18 21 51 1 18	12 42 9 48	21 58 21 21 59 21 22 1 21		
S 8 M 9	17 2 17 18	25 17 3 8 25 24 2 0	12 44 1 1 12 20 1 3	6 22 10 0 34 2 22 24 0 36	1 41 1 13 1 59 1 12	1 2 1 31 1 3 1 31	20 8 1 56 20 8 1 56	20 26 0 10 20 26 0 10	21 51 1 18 21 51 1 18	12 42 9 48 12 43 9 48	22 2 21 22 2 21	48 25 30 48 25 30	16 2 3 33 16 0 3 33
T 10 W11 T 12	17 34 17 50 18 5	20 30 0n33	11 40 2	7 22 38 0 39 1 22 51 0 41 4 23 3 0 44	2 18 1 12 2 36 1 12 2 54 1 12	1 5 1 30	20 7 1 56	20 25 0 10	21 51 1 18 21 51 1 18 21 52 1 18	12 43 9 48	22 2 21	49 25 29 49 25 28 50 25 28	15 58 3 34
F 13 S 14	18 35		10 56 2 3	6 23 14 0 46 8 23 25 0 49	3 12 1 12 3 30 1 11	1 7 1 30	20 5 1 56	20 23 0 10	21 52 1 18 21 52 1 18	12 44 9 47	22 2 21	50 25 27 51 25 26	15 54 3 35
S 15 M16 T 17	18 49 19 3 19 17	0n13 4 28 5 45 4 54 10 57 5 6	10 39 2 5	8 23 36 0 51 7 23 45 0 53 5 23 54 0 56	3 48 1 11 4 6 1 11 4 24 1 11	1 8 1 29 1 9 1 29 1 9 1 29	20 4 1 56	20 22 0 10	21 52 1 18 21 52 1 18 21 52 1 18	12 45 9 47	22 4 21	51 25 25 52 25 25 52 25 24	15 51 3 35
W18 T 19 F 20		19 34 4 44		9 24 10 1 0	4 42 1 11 5 0 1 10 5 18 1 10	-	20 2 1 56	20 21 0 10	21 52 1 18 21 53 1 18 21 53 1 18	12 45 9 47	22 7 21	53 25 23 53 25 23 54 25 22	15 47 3 36
S 21 S 22		24 37 3 32		8 24 23 1 5	5 35 1 10 5 53 1 9	1 11 1 28	20 1 1 56	20 20 0 10	21 53 1 18	12 46 9 47	22 10 21 22 10 21	54 25 21	15 45 3 37
M23 T 24	20 21 20 33 20 44	25 11 1 44	10 54 3 3	4 24 33 1 9	6 10 1 9 6 28 1 9	1 11 1 28	19 59 1 55	20 19 0 10	21 53 1 18 21 53 1 18 21 53 1 18	12 46 9 47	-	55 25 20	15 42 3 37
T 26	-	17 51 1 25		6 24 43 1 15	6 45 1 9 7 2 1 8	1 11 1 27	19 58 1 55	20 17 0 10	21 54 1 18 21 54 1 18	12 47 9 46	22 11 21 22 11 21	57 25 17	15 38 3 38
S 28	21 26	8 55 3 20	12 6 3 3		7 20 1 8 7 37 1 8	1 11 1 26	19 56 1 55	20 16 0 10		12 47 9 46	22 11 21 22 11 21	57 25 16	15 36 3 38
M30	21 36 21 45 21n54	1 s52 4 43	12 46 3 2	1 24 46 1 21 8 24 46 1 23 4 24n45 1n25	7 54 1 7 8 11 1 7 8n28 1s 7	1 10 1 26	19 55 1 55	20 15 0 10	21 54 1 17	12 48 9 46	22 11 21 22 11 21 22 s11 21:	58 25 14	15 34 3 39

Julian Day Number = 2414410.5, Delta T = -3.62 sec Ecliptic obliquity = $23^{\circ}27'13$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'14$, Lahiri = $22^{\circ}26'14$

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)/(¥	Р	ß	Ω	Ç	ę,	Day
W 1	16 37 59	10 Ⅲ 29'07	20 <u>₽</u> 58	16 8 17	6955	25 Y 14	ე <u>ი</u> 22	8°R52	1°R10	21 II 47	14 I 7	18°R19	19 궁 49	29耳58	25°R10	W 1
T 2	16 41 56	11°26'33	5 M .16	17°26	8° 8	25°59	0°23	8 ₮ 48	1 才 7	21°49	14° 8	18 궁 14	19°46	09 4	25M 6	T 2
F 3	16 45 53	12°23'59	19°58	18°39	9°20	26°43	0°24	8°44	1° 5	21°52	14°10	18° 9	19°43	0°11	25° 2	F 3
S 4	16 49 49	13°21'24	4 ₹ 58	19°55	10°33	27°28	0°26	8°39	1° 3	21°54	14°11	18° 4	19°40	0°18	24°58	S 4
S 5	16 53 46	14°18'47	20° 8	21°13	11°45	28°13	0°27	8°35	1° 0	21°56	14°12	18° 1	19°37	0°24	24°54	S 5
M 6	16 57 42	15°16'10	5 る 18	22°35	12°58	28°58	0°29	8°30	0°58	21°58	14°14	17°59	19°33	0°31	24°50	M 6
T 7	17 1 39	16°13'32	20°18	24° 0	14°10	29°42	0°30	8°26	0°55	22° 1	14°15	17°D58	19°30	0°38	24°46	T 7
W 8	17 5 35	17°10'54	5≈ 2	25°27	15°22	0 8 27	0°32	8°21	0°53	22° 3	14°16	17°59	19°27	0°44	24°42	W 8
T 9	17 9 32	18° 8'15	19°24	26°57	16°34	1°11	0°35	8°17	0°51	22° 5	14°18	18° 0	19°24	0°51	24°38	T 9
F 10	17 13 29	19° 5'35	3 ∺ 21	28°30	17°47	1°56	0°37	8°13	0°48	22° 7	14°19	18° 2	19°21	0°58	24°34	F 10
S 11	17 17 25	20° 2'55	16°55	0 I I 6	18°59	2°40	0°39	8° 8	0°46	22° 9	14°21	18°R 2	19°17	1° 4	24°30	S 11
S 12	17 21 22	21° 0'14	0 Υ 7	1°45	20°11	3°24	0°42	8° 4	0°44	22°12	14°22	18° 2	19°14	1°11	24°27	S 12
M13	17 25 18	21°57'33	12°58	3°26	21°23	4° 9	0°45	8° 0	0°41	22°14	14°23	18° 1	19°11	1°17	24°23	M13
T 14	17 29 15	22°54'52	25°32	5°10	22°35	4°53	0°48	7°56	0°39	22°16	14°25	17°58	19°8	1°24	24°20	T 14
W15	17 33 11	23°52'10	7 8 52	6°57	23°47	5°37	0°51	7°52	0°37	22°18	14°26	17°55	19° 5	1°31	24°16	W15
T 16	17 37 8	24°49'28	20° 1	8°46	24°59	6°21	0°54	7°47	0°35	22°21	14°27	17°51	19° 2	1°37	24°13	T 16
F 17	17 41 4	25°46'45	2 I 1	10°39	26°11	7° 5	0°58	7°43	0°33	22°23	14°29	17°47	18°58	1°44	24° 9	F 17
S 18	17 45 1	26°44'03	13°55	12°33	27°23	7°49	1° 1	7°39	0°30	22°25	14°30	17°44	18°55	1°51	24° 6	S 18
S 19	17 48 58	27°41'19	25°44	14°30	28°35	8°33	1° 5	7°35	0°28	22°27	14°32	17°42	18°52	1°57	24° 3	S 19
M20	17 52 54	28°38'36	7932	16°29	29°46	9°17	1° 9	7°31	0°26	22°30	14°33	17°41	18°49	2° 4	24° 0	M20
T 21	17 56 51	29°35'52	19°19	18°31	0 Ω 58	10° 1	1°13	7°27	0°24	22°32	14°34	17°D40	18°46	2°11	23°57	T 21
W22	18 0 47	0933'07	1 N 9	20°34	2°10	10°44	1°17	7°23	0°22	22°34	14°36	17°41	18°43	2°17	23°54	W22
T 23	18 4 44	1°30'22	13° 5	22°40	3°22	11°28	1°22	7°19	0°20	22°36	14°37	17°42	18°39	2°24	23°51	T 23
F 24	18 8 40	2°27'36	25° 9	24°47	4°33	12°11	1°26	7°16	0°18	22°38	14°38	17°43	18°36	2°31	23°48	F 24
S 25	18 12 37	3°24'50	7 m)25	26°55	5°45	12°55	1°31	7°12	0°16	22°41	14°40	17°44	18°33	2°37	23°45	S 25
S 26	18 16 33	4°22'03	19°58	29° 4	6°56	13°38	1°36	7° 8	0°14	22°43	14°41	17°45	18°30	2°44	23°43	S 26
M27	18 20 30	5°19'16	2 ≙ 50	19914	8° 8	14°22	1°41	7° 4	0°12	22°45	14°42	17°R46	18°27	2°51	23°40	M27
T 28	18 24 27	6°16'28	16° 6	3°25	9°19	15° 5	1°46	7° 1	0°10	22°47	14°44	17°46	18°23	2°57	23°38	T 28
W29	18 28 23	7°13'40	29°48	5°36	10°31	15°48	1°52	6°57	0° 9	22°49	14°45	17°45	18°20	3° 4	23°35	W29
T 30	18 32 20	89510'51	13 M 55	79547	11 N 42	16 8 31	1 ≏ 57	6 ₹ 754	0 才 7	22 II 52	14∏46	17 云 44	18 궁 17	39911	23 M .33	T 30

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	decl	decl lat	dec	l lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 2	12s59 5s	s11 13n3	2 3 s 1	9 24n43	1n27	8n44	1s 6	1n 9	1n25	19s54	1n55	20 s14	0n10	21n55	1 s17	12n48	9 s46	22 s12	21 s59	25n12	15 s31	3n39
T 2	-		58 13 5	-	4 24 40	1 28	9 1	1 6	1 9	-		1 55	20 14	0 10	21 55		12 49		22 13			15 30	3 39
F 3	22 18		25 14 2		8 24 37	1 30	9 18	1 6	1 8	1 25			20 13		21 55		12 49		22 13				3 39
S 4	22 25	24 38 3	33 14 4	8 3	2 24 33	1 31	9 34	1 5	1 7	1 25	19 52	1 55	20 13	0 10	21 55	1 17	12 49	9 46	22 14	22 1	25 10	15 28	3 39
S 5	22 32	25 31 2	26 15 1	5 2 5	5 24 29	1 33	9 50	1 5	1 7	1 24	19 51	1 55	20 12	0 10	21 55	1 17	12 49		22 14			15 27	3 40
M 6	22 38	24 30 1	9 15 4	4 2 4	8 24 23	1 34	10 6	1 4	1 6	1 24	19 51	1 55	20 12	0 10	21 55	1 17	12 49	9 46	22 15	22 2	25 8	15 26	3 40
T 7	22 44	21 42 Or	n13 16 1	2 2 3	9 24 17	1 36	10 23	1 4	1 5	1 24	19 50	1 55	20 11	0 10	21 56	1 17	12 49	9 46	22 15	22 2	25 7	15 25	3 40
W 8	22 50		32 16 4	_	1		10 39	1 4	1 4	1 24		1 54	20 11		21 56	1 17	12 50		22 15		25 6	15 24	3 40
T 9		-	44 17 1				10 54	1 3	1 3	_	19 49		20 11		21 56	1 17			22 14			15 23	3 40
F 10	23 0		44 17 4		3 23 55	-	11 10	1 3	1 2		19 49		20 10		21 56		12 50		22 14			15 22	3 40
S 11	23 5	1 2 4	29 18 1	1 2	3 23 46	1 41	11 26	1 2	1 0	1 23	19 48	1 54	20 10	0 10	21 56	1 17	12 50	9 46	22 14	22 4	25 4	15 21	3 40
S 12	23 9	4n37 4	59 18 4	1 1 5	3 23 37	1 42	11 41	1 2	0 59	1 23	19 47	1 54	20 9	0 10	21 56	1 17	12 50	9 46	22 14	22 4	25 3	15 20	3 40
M13	23 13	9 55 5	13 19 1	1 1 4	2 23 27	1 43	11 57	1 1	0 58	1 22	19 47	1 54	20 9	0 10	21 56		12 51		22 14	_		15 19	3 40
		-	11 19 4	-			12 12	1 1	0 56	1 22	19 46	1 54			21 57		12 51		22 15			15 18	3 40
W15			55 20 1		0 23 4	1 45		1 0	0 55	1 22	19 46	1 54			21 57		12 51		22 15			15 17	3 41
T 16	_		26 20 3		9 22 52	-	12 42	1 0	0 53	1 22		1 54			21 57		12 51		22 16		24 59		3 41
F 17	23 23				8 22 40		12 57	0 59	0 52	1 21	19 45	1 53			21 57		12 51		22 16		24 58		3 41
S 18	23 25	25 23 2	56 21 3	3 0 4	7 22 26	1 47	13 12	0 59	0 50	1 21	19 44	1 53	20 6	0 10	21 57	1 17	12 51	9 46	22 17	22 7	24 57	15 14	3 41
S 19	23 26	25 21 1	58 21 5	8 0 3	5 22 12	1 47	13 26	0 58	0 48	1 21	19 44	1 53	20 6	0 10	21 57	1 17	12 51		22 17		24 56	-	3 41
M20	23 27	-	56 22 2		4 21 58	-	13 41	0 58	0 46	1 21	19 43	1 53			21 57		12 52		22 17		24 55		3 41
T 21	23 27		s 9 22 4		2 21 43		13 55	0 57	0 45	1 20		1 53			21 57		12 52		22 17		24 54		3 41
W22	23 27		-		1 21 27		14 9	0 57	0 43	1 20		1 53			21 58		12 52		22 17		24 53		3 41
_	23 27		16 23 2		0 21 11		14 23	0 56	0 41	1 20		1 53			21 58		12 52				24 53		3 41
F 24	23 26		13 23 4		0 20 54	-	14 37	0 56	0 39	1 20		1 52			21 58	1 17	-				24 52		3 41
S 25	23 25	5 3 4	2 23 5	0 3	1 20 36	1 49	14 51	0 55	0 37	1 19	19 41	1 52	20 4	0 10	21 58	1 17	12 52	9 46	22 17	22 10	24 51	15 9	3 41
S 26	23 23				1 20 18	-	15 4	0 55	0 34	-	19 40	1 52			21 58		12 52				24 50		3 41
M27	23 21	5 49 5	7 24 1				15 18	0 54	0 32	1 19		1 52			21 58		12 52				24 49		3 41
T 28			17 24 2			-	15 31	0 53	0 30	1 19		1 52			21 58		12 53				24 48		3 41
	23 15	-	10 24 2		7 19 21	-	15 44	0 53	0 28	1 18		1 52			21 58		12 53				24 47		3 41
T 30	23n12	20 s33 4 s	s45 24n2	8 1n1	5 19n 1	1n48	15n57	0s52	0n25	1n18	19s38	1n52	20 s 2	0n10	21n59	1 s17	12n53	9 s46	22 s17	22 s12	24n46	15s 6	3n41

Julian Day Number = 2414441.5, Delta T = -3.55 sec Ecliptic obliquity = $23^{\circ}27'12$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'18$, Lahiri = $22^{\circ}26'18$

JULY 1898 00:00 UT

Day	Sid.t	0	D	ğ	·	♂ [™]	4	ħ)∤(并	Р	S.	ß	Ç	ę,	Day
F 1	18 36 16	99 8'02	28 M 28	9957	12 Q 53	17814	2 ₾ 3	6°R50	0°R 5	22 I I54	14 Ⅱ 47	17°R43	18 궁 14	39917	23°R31	F 1
S 2	18 40 13	10° 5'13	13 ₹ 21	12° 7	14° 4	17°57	2° 9	6 х 47	0 x ⁷ 3	22°56	14°49	17 る 42	18°11	3°24	23 M 28	S 2
S 3	18 44 9	11° 2'24	28°27	14°16	15°15	18°40	2°15	6°44	0° 2	22°58	14°50	17°42	18° 8	3°30	23°26	S 3
M 4	18 48 6	11°59'35	13 る 39	16°25	16°26	19°23	2°21	6°41	29M59	23° 0	14°51	17°D41	18° 4	3°37	23°24	M 4
T 5	18 52 2	12°56'46	28°47	18°32	17°37	20° 6	2°27	6°37	29°58	23° 2	14°52	17°41	18° 1	3°44	23°23	T 5
W 6	18 55 59	13°53'56	13≈41	20°37	18°48	20°48	2°33	6°34	29°57	23° 5	14°54	17°42	17°58	3°50	23°21	W 6
T 7	18 59 56	14°51'07	28°15	22°42	19°59	21°31	2°40	6°31	29°55	23° 7	14°55	17°42	17°55	3°57	23°19	T 7
F 8	19 3 52	15°48'19	12) 24	24°44	21°10	22°14	2°46	6°28	29°54	23° 9	14°56	17°42	17°52	4° 4	23°17	F 8
S 9	19 7 49	16°45'30	26° 6	26°45	22°21	22°56	2°53	6°25	29°52	23°11	14°57	17°42	17°49	4°10	23°16	S 9
S 10	19 11 45	17°42'43	9 Υ 22	28°44	23°32	23°38	3° 0	6°23	29°51	23°13	14°59	17°R42	17°45	4°17	23°14	S 10
M11	19 15 42	18°39'55	22°15	0 Ω 42	24°42	24°21	3° 7	6°20	29°50	23°15	15° 0	17°D42	17°42	4°24	23°13	M11
T 12	19 19 38	19°37'08	4846	2°38	25°53	25° 3	3°14	6°17	29°48	23°17	15° 1	17°42	17°39	4°30	23°12	T 12
W13	19 23 35	20°34'22	17° 2	4°31	27° 3	25°45	3°22	6°15	29°47	23°19	15° 2	17°43	17°36	4°37	23°11	W13
T 14	19 27 31	21°31'37	29° 4	6°23	28°14	26°27	3°29	6°12	29°46	23°21	15° 3	17°43	17°33	4°44	23°10	T 14
F 15	19 31 28	22°28'52	10∏58	8°14	29°24	27° 9	3°37	6°10	29°44	23°23	15° 4	17°43	17°29	4°50	23° 9	F 15
S 16	19 35 25	23°26'07	22°47	10° 2	0 m 34	27°51	3°44	6° 8	29°43	23°25	15° 6	17°44	17°26	4°57	23° 8	S 16
S 17	19 39 21	24°23'24	4934	11°48	1°45	28°33	3°52	6° 5	29°42	23°27	15° 7	17°44	17°23	5° 4	23° 7	S 17
M18	19 43 18	25°20'40	16°22	13°33	2°55	29°15	4° 0	6° 3	29°41	23°29	15° 8	17°R45	17°20	5°10	23° 7	M18
T 19	19 47 14	26°17'57	28°13	15°16	4° 5	29°56	4° 8	6° 1	29°40	23°31	15° 9	17°44	17°17	5°17	23° 6	T 19
W20	19 51 11	27°15'15	10Ω10	16°56	5°15	0Д38	4°16	5°59	29°39	23°33	15°10	17°44	17°14	5°24	23° 6	W20
T 21	19 55 7	28°12'33	22°15	18°36	6°25	1°19	4°24	5°57	29°38	23°35	15°11	17°43	17°10	5°30	23° 5	T 21
F 22	19 59 4	29° 9'52	4 m 30	20°13	7°35	2° 1	4°33	5°56	29°37	23°37	15°12	17°41	17° 7	5°37	23° 5	F 22
S 23	20 3 1	0 Ω 7'11	16°57	21°48	8°45	2°42	4°41	5°54	29°37	23°39	15°13	17°40	17° 4	5°43	23° 5	S 23
S 24	20 6 57	1° 4'30	29°38	23°22	9°54	3°23	4°50	5°52	29°36	23°41	15°14	17°38	17° 1	5°50	23°D 5	S 24
M25	20 10 54	2° 1'50	12 ≏ 35	24°53	11° 4	4° 4	4°58	5°51	29°35	23°42	15°15	17°37	16°58	5°57	23° 5	M25
T 26	20 14 50	2°59'10	25°50	26°23	12°14	4°45	5° 7	5°49	29°34	23°44	15°16	17°36	16°55	6° 3	23° 5	T 26
W27	20 18 47	3°56'31	9M26	27°51	13°23	5°26	5°16	5°48	29°34	23°46	15°17	17°D36	16°51	6°10	23° 5	W27
T 28	20 22 43	4°53'52	23°22	29°17	14°32	6° 7	5°25	5°47	29°33	23°48	15°18	17°37	16°48	6°17	23° 6	T 28
F 29	20 26 40	5°51'14	7 ₹ 39	0 m)41	15°42	6°48	5°34	5°46	29°33	23°50	15°19	17°38	16°45	6°23	23° 6	F 29
S 30	20 30 36	6°48'36	22°15	2° 3	16°51	7°28	5°44	5°44	29°32	23°51	15°20	17°39	16°42	6°30	23° 7	S 30
S 31	20 34 33	7 Ω 45'59	7 る 6	3 m 23	18 M) 0	8耳 9	5 ₾ 53	5 ₹ 43	29M32	23 II 53	15 Ⅱ 21	17 云 40	16 ප 39	6937	23 M 7	S 31

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	decl	decl lat	t d	lecl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1 S 2	23n 8 23 4		4s 1 24r 2 59 24	-	n22 18n40 28 18 19	1n47 10 1 47 10		0n23 0 20		19s38 19 38	1n51 1 51	20 s 1 20 1		21n59 21 59	1 s17 1 17			22 s17 22 17				
S 3 M 4 T 5 W 6 T 7 F 8 S 9	23 0 22 55 22 49 22 44 22 38 22 31 22 24 22 17	23 7 0 19 25 1 14 30 2 8 51 3 2 55 4 2n58 4	1 45 24 0 22 24 1n 1 23 2 20 23 3 27 23 4 20 22 4 56 22	4 1 51 1 36 1 19 1 59 1 38 1	33 17 58 38 17 36 42 17 13 45 16 51 48 16 27 50 16 4 51 15 40 51 15 15	1 45 16 1 44 17 1 43 17 1 42 17	5 47 0 50 5 59 0 49 7 11 0 49 7 23 0 48 7 35 0 47 7 46 0 47	0 15 0 12 0 10 0 7 0 4 0 1	1 18 1 17 1 17 1 17 1 17 1 16 1 16	19 37 19 36 19 36 19 36 19 35	1 51 1 50 1 50 1 50 1 50	20 0 20 0	0 10 0 10 0 10 0 10 0 10 0 10	21 59 21 59 21 59 21 59 21 59 21 59 21 59 21 59 22 0	1 17 1 17 1 17 1 17 1 17	12 53 12 53 12 53 12 53 12 53	9 46 9 46 9 46 9 46 9 46 9 46	22 17 22 17 22 17 22 17 22 17 22 17 22 17 22 17	22 14 22 14 22 15 22 15 22 16 22 16	24 41 24 40 24 39 24 38 24 37 24 36	15 4 15 4 15 4 15 3 15 3	3 41 3 40 3 40 3 40 3 40
M11 T 12 W13 T 14 F 15	22 9 22 1 21 53 21 44 21 35	13 34 5 17 53 5 21 21 4 23 51 3 25 15 3	5 17 21	49 1 22 1 53 1 23 1 52 1	51 14 50 49 14 25 48 14 0 46 13 34 43 13 8 39 12 41	1 38 18 1 37 18 1 35 18 1 34 18	8 8 0 45 8 19 0 45 8 30 0 44 8 40 0 43 8 51 0 42	0 5 0 8 0 11 0 14 0 17	1 16 1 16 1 15 1 15 1 15	19 35 19 35 19 34 19 34	1 50 1 49 1 49 1 49 1 49	19 58 19 58	0 10 0 10 0 9 0 9 0 9	22 0	1 17 1 17 1 17 1 17 1 17	12 54 12 54 12 54 12 54	9 46 9 47 9 47 9 47 9 47	22 17 22 17 22 17 22 17 22 17 22 17 22 17	22 17 22 17 22 18 22 18 22 19	24 34 24 33 24 32 24 31 24 30	15 2 15 2 15 2 15 2 15 2 15 1	3 40 3 40 3 40
S 17 M18 T 19 W20 T 21 F 22 S 23	21 5 20 54 20 43	22 35 0 19 35 0 15 45 2 11 16 3 6 16 3	0s58 17 2 1 17	13 1 38 1 3 1 27 1 50 1		1 24 19 1 22 19 1 20 19	0 21 0 40 0 30 0 40 0 40 0 39 0 49 0 38 0 58 0 37	0 30 0 34 0 37 0 41	1 14 1 14 1 14 1 14 1 14		1 48 1 48 1 48 1 48 1 47	19 57 19 57 19 56 19 56 19 56 19 56 19 56	0 9 0 9 0 9 0 9 0 9	22 0 22 0 22 0 22 0 22 1 22 1 22 1	1 17 1 17 1 17 1 17 1 17	12 54 12 54 12 54	9 47 9 47 9 47 9 47 9 47	22 17 22 17 22 17 22 17 22 17 22 17 22 17 22 17	22 20 22 20 22 21 22 21 22 21	24 26 24 25 24 24 24 23 24 22	15 1 15 1 15 1 15 1 15 1	3 40 3 39 3 39 3 39 3 39 3 39 3 39
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	19 3 18 49 18 35	9 48 5 14 51 5 19 17 4 22 46 4 24 57 3 25 29 2	5 15 13 5 13 13 4 54 12 4 17 12	58 0 20 0 43 0 5 0 27 0 49 0	54 8 59 47 8 30 39 8 1 31 7 32 22 7 3 13 6 33 4 6 4 s 5 5n34	1 8 20 1 5 20	0 24 0 35 0 32 0 34 0 40 0 33 0 48 0 33 0 56 0 32 4 0 31	0 52 0 55 0 59 1 3 1 6 1 10	1 13 1 13 1 13 1 13	19 33 19 33 19 33 19 33 19 33	1 47 1 46 1 46 1 46 1 46 1 46		0 9 0 9 0 9 0 9 0 9	22 1 22 1 22 1 22 1 22 1 22 1 22 1 22 1	1 18 1 18 1 18 1 18 1 18 1 18	12 54 12 54 12 54 12 54	9 48 9 48 9 48 9 48 9 48 9 48	22 17 22 18 22 18 22 18 22 18 22 17 22 17 22 s17	22 23 22 23 22 23 22 24 22 24 22 25	24 18 24 17 24 16 24 15 24 14 24 12	15 1 15 2 15 2 15 2 15 2 15 3	

Julian Day Number = 2414471.5, Delta T = -3.48 sec Ecliptic obliquity = $23^{\circ}27'11$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'22$, Lahiri = $22^{\circ}26'22$

AUGUST 1898 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	4	ħ)મું(并	В	R	Ω	Ç	ķ	Day
M 1	20 38 30	8 Ω 43'23	22 ප 5	4 Mp 4 1	19 m) 9	8 Ⅱ 49	6 <u>₽</u> 2	5°R43	29°R31	23 II 55	15 Ⅱ 22	17°R40	16 පි 35	6943	23 M 8	M 1
T 2	20 42 26	9°40'47	7≈ 4	5°57	20°18	9°30	6°12	5×742	29M31	23°57	15°23	17 3 39	16°32	6°50	23° 9	T 2
W 3	20 46 23	10°38'12	21°56	7°11	21°26	10°10	6°21	5°41	29°31	23°58	15°24	17°37	16°29	6°57	23°10	W 3
T 4	20 50 19	11°35'39	6) €32	8°23	22°35	10°50	6°31	5°41	29°31	24° 0	15°24	17°34	16°26	7° 3	23°11	T 4
F 5	20 54 16	12°33'06	20°46	9°32	23°44	11°30	6°41	5°40	29°30	24° 2	15°25	17°31	16°23	7°10	23°12	F 5
S 6	20 58 12	13°30'35	4℃ 35	10°39	24°52	12°10	6°51	5°40	29°30	24° 3	15°26	17°27	16°20	7°17	23°14	S 6
S 7	21 2 9	14°28'04	17°56	11°44	26° 1	12°50	7° 1	5°39	29°30	24° 5	15°27	17°24	16°16	7°23	23°15	S 7
M 8	21 6 5	15°25'36	0 8 53	12°46	27° 9	13°30	7°11	5°39	29°D30	24° 6	15°28	17°22	16°13	7°30	23°16	M 8
T 9	21 10 2	16°23'08	13°26	13°45	28°17	14°10	7°21	5°39	29°30	24° 8	15°28	17°D21	16°10	7°36	23°18	T 9
W10	21 13 59	17°20'42	25°41	14°42	29°25	14°49	7°31	5°D39	29°30	24° 9	15°29	17°22	16° 7	7°43	23°20	W10
T 11	21 17 55	18°18'18	7 ∏ 42	15°35	0 <u>ი</u> 33	15°29	7°42	5°39	29°30	24°11	15°30	17°23	16° 4	7°50	23°21	T 11
F 12	21 21 52	19°15'55	19°34	16°26	1°41	16° 8	7°52	5°39	29°31	24°12	15°31	17°25	16° 1	7°56	23°23	F 12
S 13	21 25 48	20°13'33	19921	17°13	2°48	16°47	8° 3	5°40	29°31	24°14	15°31	17°26	15°57	8° 3	23°25	S 13
S 14	21 29 45	21°11'13	13° 9	17°57	3°56	17°26	8°13	5°40	29°31	24°15	15°32	17°R27	15°54	8°10	23°27	S 14
M15	21 33 41	22° 8'55	25° 0	18°38	5° 3	18° 5	8°24	5°40	29°31	24°16	15°33	17°27	15°51	8°16	23°29	M15
T 16	21 37 38	23° 6'37	6 Ω 58	19°14	6°11	18°44	8°35	5°41	29°32	24°18	15°33	17°25	15°48	8°23	23°32	T 16
W17	21 41 34	24° 4'21	19° 6	19°47	7°18	19°23	8°45	5°42	29°32	24°19	15°34	17°22	15°45	8°30	23°34	W17
T 18	21 45 31	25° 2'07	1 m) 25	20°15	8°25	20° 2	8°56 9° 7	5°42	29°33	24°20	15°35	17°17	15°41	8°36	23°37	T 18
F 19 S 20	21 49 28 21 53 24	25°59'53 26°57'41	13°56 26°40	20°39 20°58	9°32 10°38	20°40 21°19	9° / 9°18	5°43 5°44	29°33 29°34	24°22 24°23	15°35 15°36	17°10 17° 4	15°38 15°35	8°43 8°50	23°39 23°42	F 19 S 20
S 21	21 57 21	27°55'30	9 <u>₽</u> 37	21°12	11°45	21°57	9°29	5°45	29°35	24°24	15°36	16°57	15°32	8°56	23°45	S 21
M22	22 1 17	28°53'21	22°47	21°21	12°51	22°35	9°41	5°46	29°35	24°25	15°37	16°51	15°29	9° 3	23°47	M22
T 23 W24	22 5 14 22 9 10	29°51'13 0 m 49'06	6 M .11 19°48	21°R24 21°22	13°58 15° 4	23°13 23°51	9°52 10° 3	5°48 5°49	29°36 29°37	24°27 24°28	15°37 15°38	16°47 16°45	15°26 15°22	9°10 9°16	23°50 23°53	T 23 W24
T 25	22 13 7	1°47'00	3×739	21°14	16°10	23°31 24°29	10° 3	5°51	29°37 29°38	24°28 24°29	15°38	16°D44	15°22	9°16	23°56	T 25
F 26	22 17 3	2°44'56	17°45	21°14	17°16	24 29 25° 7	10°13	5°52	29°39	24°29 24°30	15°39	16°45	15°16	9°29	23° 30° 24° 0	F 26
S 27	22 21 0	3°42'52	2 ප් 2	20°40	18°21	25°44	10°20 10°37	5°54	29°40	24°31	15°39	16°46	15°13	9°36	24° 3	S 27
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S 28	22 24 57	4°40'51	16°31	20°14 19°42	19°27 20°32	26°22	10°49	5°55	29°41	24°32	15°39 15°40	16°R47 16°46	15°10 15° 7	9°43 9°49	24° 6	S 28
M29 T 30	22 28 53 22 32 50	5°38'50 6°36'51	1 ≈ 8 15°47	19°42 19° 4	20°32 21°37	26°59 27°36	11° 1 11°12	5°57 5°59	29°42 29°43	24°33 24°34	15°40 15°40	16°46 16°43	15° /	9°49 9°56	24°10 24°13	M29 T 30
W31	22 32 30 22 36 46	7 m 34'53	0)(22	19 4 18 m)21	21 37 22 Ω 42	27 36 28 I I3	11 12 11 ≏ 24	5 39 6 ₹ 1	29 43 29 M .44	24 1 35	15 1 40	16 43 16 궁 38	15 る 0	1095 3	24 13 24 M 17	W31

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	decl	decl lat	decl	lat	decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	d	ecl c	lecl	decl	decl	lat
M 1 T 2 W 3	18n 5 17 50 17 35	16 49 1 4	8 57	0s15 0 24 0 35	5n 4 4 34 4 4	0n50 21n18 0 47 21 25 0 43 21 32	0 s 2 9 0 2 8 0 2 8	1 22	1n12 1 12 1 12	19 33	-	19 s55 19 55 19 55	0 9	22n 1 22 1 22 1	1 s18 1 18 1 18	12 54 9	s49 22 s 49 22 49 22	17 22	26	24n10 24 9 24 8	15 s 3 15 3 15 4	3n38 3 38 3 38
T 4 F 5 S 6	17 19 17 3 16 47	5 26 3 5 0n39 4 4	7 44	0 45 0 55	3 33 3 3 2 33	0 40 21 38 0 36 21 45 0 33 21 51		1 30 1 34	1 11 1 11 1 11	19 33 19 33 19 33	1 44 1 44	19 55	0 9 0 9	22 1 22 1 22 1 22 1	1 18 1 18 1 18 1 18	12 54 9 12 53 9	49 22 49 22 49 22	18 22 18 22	27 27	24 6 24 5	15 4 15 5 15 5	3 37 3 37 3 37
S 7 M 8 T 9 W10 T 11 F 12	15 56 15 39 15 21 15 3	11 53 5 1- 16 33 5 20 22 4 4 4 23 11 4 24 55 3 2 25 29 2 2	4 5 59 5 5 26 2 4 53 7 4 21 1 3 50 7 3 20	1 16 1 27 1 38 1 49 2 0 2 11	2 2 1 32 1 1 0 30 0s 0 0 31	0 29 21 57 0 26 22 3 0 22 22 9 0 18 22 14 0 14 22 19 0 10 22 24	0 24 0 23 0 22 0 21 0 21 0 20	1 42 1 46 1 50 1 54 1 59 2 3	1 11 1 11 1 11 1 10 1 10 1 10	19 34 19 34 19 34 19 34 19 35	1 44 1 44 1 43 1 43 1 43	19 55 19 55 19 55 19 55 19 55 19 55	0 9 0 9 0 9 0 9 0 9	22 2 22 2 22 2 22 2 22 2 22 2 22 2	1 18 1 18 1 18 1 18 1 18 1 18	12 53 9 12 53 9 12 53 9 12 53 9 12 53 9 12 53 9	49 22 50 22 50 22 50 22 50 22 50 22	19 22 19 22 20 22 20 22 19 22 19 22	28 28 28 29 29 30	24 3 24 1 24 0 23 59 23 58 23 56	15 6 15 6 15 7 15 7 15 8 15 8	3 37 3 37 3 37 3 37 3 36 3 36
S 13 S 14 M15 T 16 W17 T 18 F 19 S 20	14 45 14 27 14 8 13 49 13 30 13 11 12 52 12 32	20 28 0s4 16 51 1 4	4 2 25 1 1 59 5 1 35 4 1 12 7 0 52 0 0 33	2 33 2 44 2 55 3 6 3 16 3 26	1 2 1 32 2 3 2 33 3 4 3 35 4 5 4 35	0 6 22 29 0 2 22 34 0s 2 22 38 0 7 22 43 0 11 22 47 0 16 22 51 0 20 22 54 0 24 22 58	0 19 0 18 0 17 0 16 0 15 0 14 0 13 0 12	2 12 2 16 2 20 2 25 2 29 2 33	1 10 1 10 1 10 1 10 1 9 1 9 1 9	19 35 19 35 19 36 19 36 19 37 19 37	1 42 1 42 1 42 1 41 1 41 1 41	19 55 19 55 19 55 19 55	0 9 0 9 0 9 0 9 0 9	22 2	1 18 1 18 1 18 1 18 1 18 1 18 1 18	12 53 9 12 53 9 12 53 9 12 53 9 12 52 9 12 52 9	50 22 50 22 51 22 51 22 51 22 51 22 51 22 51 22	19 22 19 22 19 22 20 22 20 22 21 22	30 31 31 31 32 32	23 54 23 52 23 51 23 50 23 49 23 47	15 10 15 10 15 11 15 12 15 12 15 13	3 36 3 36 3 36 3 36 3 35 3 35 3 35
S 21 M22 T 23 W24 T 25 F 26 S 27	12 12 11 52 11 32 11 11 10 51 10 30	8 31 5 13 38 5 18 11 4 5 21 52 4 2 24 22 3 3	7 0 3 8 0s 8 2 0 17 0 0 23 2 0 26 0 0 25	3 45 3 53 4 1 4 9 4 15	5 6 5 36 6 6 6 36 7 6 7 36 8 5	0 29 23 1 0 34 23 5 0 38 23 8 0 43 23 11 0 48 23 13 0 53 23 16 0 58 23 18	0 11 0 10 0 9 0 8 0 7 0 6	2 42 2 47 2 51 2 56 3 1 3 5	1 9 1 9 1 9 1 9 1 8 1 8	19 38 19 38 19 39 19 39 19 39 19 40	1 41 1 40 1 40 1 40 1 40 1 39	19 56 19 56 19 56 19 56 19 56 19 57	0 9 0 9 0 9 0 9 0 9	22 2 22 2	1 18 1 18 1 18 1 18 1 18 1 18 1 18	12 52 9 12 52 9 12 52 9 12 52 9 12 52 9 12 52 9	52 22 52 22 52 22 52 22 52 22 52 22 52 22 53 22	23 22 23 22 24 22 24 22 24 22 24 22	33 33 34 34 34 35	23 45 23 43 23 42 23 41 23 39 23 38	15 15 15 16 15 16 15 17 15 18 15 19	
S 28 M29 T 30 W31	9 48 9 27 9 5 8n44	18 40 1n1	0n12	4 29 4 29	8 35 9 4 9 33 10s 2	1 3 23 20 1 7 23 22 1 12 23 24 1 s18 23n26		-	1 8 1 8 1 8 1n 8	19 42 19 42	1 39 1 39		0 9 0 9	22 2 22 2 22 2 22n 2	1 18 1 18 1 19 1 s19	12 51 9 12 51 9	53 22 53 22 53 22 853 22	24 22 24 22	36 36	23 34 23 32	15 22 15 23	3 34 3 34 3 34 3n34

Julian Day Number = 2414502.5, Delta T = -3.41 sec Ecliptic obliquity = $23^{\circ}27'11$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'26$, Lahiri = $22^{\circ}26'27$

SEPTEMBER 1898 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(卉	Р	n	v	Ç	ę k	Day
T 1	22 40 43	8 m/ 32'57	14) (46	17°R33	23 ≏ 46	28耳50	11 ≏ 36	6 ₹ 3	29 M 45	24耳36	15 Ⅱ 41	16°R31	14 궁 57	1095 9	24M21	T 1
F 2	22 44 39	9°31'02	28°54	16 M)41	24°51	29°27	11°48	6° 5	29°46	24°37	15°41	16 る 22	14°54	10°16	24°25	F 2
S 3	22 48 36	10°29'10	12 Y 40	15°45	25°55	0ණ 4	12° 0	6° 8	29°48	24°37	15°41	16°14	14°51	10°23	24°28	S 3
S 4	22 52 32	11°27'19	26° 2	14°48	26°59	0°40	12°12	6°10	29°49	24°38	15°42	16° 5	14°47	10°29	24°32	S 4
M 5	22 56 29	12°25'30	9 8 0	13°49	28° 3	1°17	12°24	6°13	29°50	24°39	15°42	15°59	14°44	10°36	24°37	M 5
T 6	23 0 25	13°23'43	21°35	12°50	29° 6	1°53	12°36	6°15	29°52	24°40	15°42	15°54	14°41	10°43	24°41	T 6
W 7	23 4 22	14°21'59	3 Ⅱ 51	11°52	0 M _10	2°29	12°48	6°18	29°53	24°40	15°42	15°52	14°38	10°49	24°45	W 7
T 8	23 8 19	15°20'16	15°52	10°58	1°13	3° 5	13° 0	6°21	29°55	24°41	15°42	15°D51	14°35	10°56	24°49	T 8
F 9	23 12 15	16°18'36	27°44	10° 7	2°16	3°41	13°12	6°23	29°57	24°42	15°43	15°52	14°32	11° 2	24°54	F 9
S 10	23 16 12	17°16'57	9932	9°22	3°18	4°16	13°24	6°26	29°58	24°42	15°43	15°52	14°28	11° 9	24°58	S 10
S 11	23 20 8	18°15'21	21°21	8°43	4°21	4°52	13°37	6°29	29°59	24°43	15°43	15°R52	14°25	11°16	25° 3	S 11
M12	23 24 5	19°13'46	3 Ω 16	8°11	5°23	5°27	13°49	6°32	0 √ 2	24°43	15°43	15°51	14°22	11°22	25° 7	M12
T 13	23 28 1	20°12'14	15°21	7°48	6°24	6° 2	14° 1	6°35	0° 3	24°44	15°43	15°47	14°19	11°29	25°12	T 13
W14	23 31 58	21°10'44	27°39	7°33	7°26	6°37	14°14	6°39	0° 5	24°44	15°43	15°40	14°16	11°36	25°17	W14
T 15	23 35 54	22° 9'15	10 m 13	7°D28	8°27	7°12	14°26	6°42	0° 7	24°45	15°R43	15°31	14°12	11°42	25°22	T 15
F 16	23 39 51	23° 7'49	23° 3	7°32	9°28	7°47	14°39	6°46	0° 9	24°45	15°43	15°21	14° 9	11°49	25°27	F 16
S 17	23 43 48	24° 6'24	6 亞 8	7°46	10°29	8°21	14°51	6°49	0°11	24°46	15°43	15° 9	14° 6	11°56	25°32	S 17
S 18	23 47 44	25° 5'01	19°28	8° 9	11°29	8°56	15° 4	6°53	0°13	24°46	15°43	14°57	14° 3	12° 2	25°37	S 18
M19	23 51 41	26° 3'41	3 ™ 0	8°41	12°29	9°30	15°16	6°56	0°15	24°46	15°43	14°47	14° 0	12° 9	25°42	M19
T 20	23 55 37	27° 2'22	16°43	9°23	13°29	10° 4	15°29	7° 0	0°17	24°47	15°43	14°39	13°57	12°16	25°47	T 20
W21	23 59 34	28° 1'05	0 ∡ 33	10°12	14°28	10°38	15°42	7° 4	0°19	24°47	15°43	14°34	13°53	12°22	25°53	W21
T 22	0 3 30	28°59'49	14°29	11°10	15°27	11°11	15°54	7° 8	0°21	24°47	15°42	14°32	13°50	12°29	25°58	T 22
F 23	0 7 27	29°58'35	2 <u>8</u> °32	12°15	16°25	11°45	16° 7	7°12	0°24	24°47	15°42	14°D31	13°47	12°35	26° 3	F 23
S 24	0 11 23	0 ჲ 57'23	12 る 39	13°26	17°23	12°18	16°20	7°16	0°26	24°47	15°42	14°R31	13°44	12°42	26° 9	S 24
S 25	0 15 20	1°56'13	26°49	14°43	18°21	12°51	16°33	7°20	0°28	24°47	15°42	14°31	13°41	12°49	26°14	S 25
M26	0 19 17	2°55'04	11≈ 3	16° 6	19°18	13°24	16°45	7°24	0°31	24°48	15°42	14°28	13°38	12°55	26°20	M26
T 27	0 23 13	3°53'57	25°16	17°33	20°15	13°57	16°58	7°29	0°33	24°48	15°41	14°24	13°34	13° 2	26°26	T 27
W28	0 27 10	4°52'52	9 ∺ 26	19° 4	21°11	14°29	17°11	7°33	0°35	24°R48	15°41	14°16	13°31	13° 9	26°32	W28
T 29	0 31 6	5°51'48	23°28	20°39	22° 7	15° 1	17°24	7°37	0°38	24°48	15°41	14° 6	13°28	13°15	26°37	T 29
F 30	0 35 3	6 ♀ 50'47	7 Υ 17	22 M 17	23M 2	15933	17 ≏ 37	7 ,₹ 42	0 ₮ 40	24∏47	15 Ⅱ 41	13 る 54	13 る 25	139522	26M43	F 30

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T 1 F 2 S 3	8n22 8 0 7 38	1 s59 4n21 4n 2 4 52 9 41 5 6	0n52 4s2 1 17 4 1 1 45 4 1	9 10 59 1 28	23n27 On 0 23 28 0 1 23 30 0 2	3 s33	19 44 1 38	19 58 0 9	22n 2 1s19 22 2 1 19 22 2 1 19	12 51 9 54	22 s26 22 s3 22 27 22 3 22 28 22 3	7 23 28	15 26 3 34
S 4 M 5 T 6 W 7 T 8	6 32 6 9	14 44 5 2 18 57 4 42 22 11 4 9 24 18 3 26 25 15 2 34	2 49 3 5 3 23 3 3 3 58 3 2	8 12 51 1 48	23 31 0 5 23 32 0 6 23 33 0 7	3 47 1 7 3 52 1 7 3 57 1 7 4 2 1 7 4 6 1 7	19 46 1 37 19 46 1 37	19 59 0 9 20 0 0 9 20 0 0 9	22 2 1 17	12 50 9 54 12 50 9 54 12 50 9 54	22 29 22 3 22 30 22 3 22 30 22 3 22 31 22 3 22 31 22 3	8 23 24 9 23 23 9 23 21	15 29 3 33 15 30 3 33 15 31 3 33
F 9 S 10	5 24	25 2 1 36 23 41 0 34	5 9 2 50 5 43 2 3	0 14 12 2 4	23 33 0 9	4 11 1 7	19 48 1 36	20 1 0 8		12 50 9 55	22 31 22 4 22 31 22 4 22 31 22 4	0 23 18	15 34 3 33
S 11 M12 T 13 W14 T 15 F 16 S 17	4 16	21 17 0s29 17 57 1 32 13 51 2 31 9 7 3 23 3 55 4 7 1s31 4 40 7 0 4 58	6 15 2 1. 6 45 1 5. 7 12 1 3. 7 36 1 1. 7 55 0 5. 8 11 0 3. 8 23 0 1.	3 15 31 2 20 4 15 57 2 25 4 16 22 2 30 5 16 47 2 36 6 17 12 2 41	23 33 0 14 23 32 0 15 23 32 0 16	4 21 1 7 4 26 1 7 4 31 1 7 4 36 1 7 4 40 1 6 4 45 1 6 4 50 1 6	19 50 1 36 19 51 1 35 19 52 1 35 19 53 1 35 19 54 1 35	20 2 0 8 20 2 0 8 20 3 0 8 20 3 0 8 20 3 0 8		12 49 9 55 12 49 9 55 12 49 9 56 12 49 9 56 12 48 9 56	22 31 22 4 22 31 22 4 22 31 22 4 22 32 22 4 22 33 22 4 22 34 22 4 22 36 22 4	1 23 14 1 23 13 1 23 11 2 23 10 2 23 8	15 37 3 32 15 38 3 32 15 40 3 32 15 41 3 32
S 18 M19 T 20 W21 T 22 F 23 S 24	1 34 1 11 0 47 0 24	24 50 1 24	8 33 0n1 8 31 0 3 8 25 0 4 8 15 0 5	5 18 24 2 57 0 18 47 3 2 3 19 10 3 7 6 19 32 3 12 7 19 54 3 17	23 27 0 22	4 55 1 6 5 0 1 6 5 5 1 6 5 10 1 6 5 15 1 6 5 20 1 6 5 25 1 6	19 56 1 34 19 57 1 34 19 58 1 34 19 58 1 34 19 59 1 33	20 5 0 8 20 5 0 8 20 6 0 8 20 6 0 8 20 7 0 8	22 2 1 19	12 48 9 56 12 48 9 57 12 48 9 57 12 47 9 57 12 47 9 57	22 37 22 4 22 38 22 4 22 39 22 4 22 39 22 4 22 40 22 4 22 40 22 4 22 40 22 4	3 23 4 3 23 2 4 23 1 4 22 59 4 22 58	15 51 3 32
S 25 M26 T 27 W28 T 29 F 30		19 45 1n 5 15 18 2 16 10 0 3 18 4 13 4 7 1n43 4 42 7n28 4n59	6 55 1 3 6 27 1 3 5 56 1 4 5 22 1 4	3 20 58 3 33 9 21 19 3 38 4 21 39 3 43 8 21 58 3 47	23 19 0 29 23 17 0 30 23 15 0 31 23 13 0 33 23 10 0 34 23n 8 0n36	5 40 1 6 5 44 1 6 5 49 1 6	20 2 1 33 20 3 1 33 20 4 1 33 20 5 1 32	20 8 0 8 20 9 0 8 20 9 0 8 20 10 0 8	3 22 2 1 20 3 22 2 1 20	12 47 9 58 12 46 9 58 12 46 9 58 12 46 9 58	22 40 22 4 22 40 22 4 22 40 22 4 22 41 22 4 22 42 22 4 22 s44 22 s4	5 22 53 6 22 52 6 22 50 6 22 49	15 55 3 31 15 56 3 31 15 58 3 31 15 59 3 31

Julian Day Number = 2414533.5, Delta T = -3.34 sec Ecliptic obliquity = 23°27'12, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'30$, Lahiri = $22^{\circ}26'31$

OCTOBER 1898 00:00 UT

00.0	DEN TO														00.0	0 0 1
Day	Sid.t	0	D	ğ	·	ð	4	ħ)ţ(卉	В	S.	v	Ç	ķ	Day
S 1	0 38 59	7 ≏ 49'47	20 Y 50	23 M 56	23 M 57	1695 5	17 ⊆ 50	7 , 7⁴46	0 ∡ 743	24°R47	15°R40	13°R41	13る22	13929	26 M 49	S 1
S 2	0 42 56	8°48'50	4 8 3	25°38	24°51	16°37	18° 3	7°51	0°46	24∏47	15 Ⅱ 40	13 云 30	13°18	13°35	26°55	S 2
M 3	0 46 52	9°47'55	16°56	27°21	25°44	17° 8	18°15	7°56	0°48	24°47	15°40	13°19	13°15	13°42	27° 1	M 3
T 4	0 50 49	10°47'02	29°28	29° 6	26°37	17°40	18°28	8° 1	0°51	24°47	15°39	13°11	13°12	13°49	27° 7	T 4
W 5	0 54 46	11°46'11	11 II 43	0 ჲ 51	27°30	18°11	18°41	8° 6	0°54	24°47	15°39	13° 6	13° 9	13°55	27°14	W 5
T 6 F 7	0 58 42 1 2 39	12°45'23 13°44'37	23°44 5 © 36	2°36 4°22	28°22 29°13	18°41 19°12	18°54 19° 7	8°11 8°16	0°56 0°59	24°46 24°46	15°38 15°38	13° 4 13° 3	13° 6 13° 3	14° 2 14° 9	27°20 27°26	T 6 F 7
S 8	1 6 35	13 44 37 14°43'53	17°24	6° 8	0x ⁷ 3	19 12 19°42	19°7 19°20	8°21	1° 2	24°46	15°37	13° 3	13°59	14°15	27°32	F / S 8
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S 9 M10	1 10 32 1 14 28	15°43'12 16°42'33	29°13 11 Ω 10	7°54 9°40	0°53 1°42	20°12 20°42	19°33 19°46	8°26 8°31	1° 5 1° 8	24°45 24°45	15°37 15°36	13° 2 13° 1	12°56 12°53	14°22 14°28	27°39 27°45	S 9 M10
T 11	1 14 28	10 42 33 17°41'56	23°19	11°25	2°30	20 42 21°12	19°59	8°36	1°11	24°45	15°36	13°57	12°50	14 28 14°35	27°52	T 11
W12	1 22 21	18°41'21	5 m 44	13°11	3°18	21°41	20°12	8°41	1°13	24°44	15°35	12°50	12°47	14°42	27°58	W12
T 13	1 26 18	19°40'49	18°29	14°55	4° 4	22°10	20°25	8°47	1°16	24°44	15°35	12°40	12°44	14°48	28° 5	T 13
F 14	1 30 14	20°40'19	1 ≏ 34	16°39	4°50	22°39	20°38	8°52	1°19	24°43	15°34	12°29	12°40	14°55	28°12	F 14
S 15	1 34 11	21°39'51	15° 0	18°23	5°35	23° 7	20°51	8°58	1°22	24°43	15°34	12°16	12°37	15° 2	28°18	S 15
S 16	1 38 8	22°39'25	28°44	20° 6	6°19	23°36	21° 4	9° 3	1°26	24°42	15°33	12° 4	12°34	15° 8	28°25	S 16
M17	1 42 4	23°39'01	12 M 42	21°49	7° 2	24° 3	21°18	9° 9	1°29	24°41	15°32	11°53	12°31	15°15	28°32	M17
T 18	1 46 1	24°38'39	26°50	23°31	7°44	24°31	21°31	9°15	1°32	24°41	15°32	11°44	12°28	15°22	28°39	T 18
W19	1 49 57	25°38'19	11 🗷 3	25°12	8°25	24°58	21°44	9°20	1°35	24°40	15°31	11°38	12°24	15°28	28°45	W19
T 20 F 21	1 53 54	26°38'00 27°37'44	25°17 9 ♂ 29	26°53 28°33	9° 5 9°44	25°26 25°52	21°57 22°10	9°26 9°32	1°38 1°41	24°39 24°39	15°30 15°30	11°35 11°D34	12°21 12°18	15°35 15°42	28°52 28°59	T 20 F 21
S 22	1 57 50 2 1 47	28°37'44 28°37'29	23°38	0ML12	10°21	25°52 26°19	22°23	9°32 9°38	1°41	24°39 24°38	15°30 15°29	11°B34	12°18	15°42 15°48	28° 59	S 22
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S 23 M24	2 5 44 2 9 40	29°37'15 0 M 37'04	7 ≈ 42 21°40	1°51 3°29	10°58 11°32	26°45 27°11	22°36 22°49	9°44 9°50	1°48 1°51	24°37 24°36	15°28 15°27	11°34 11°33	12°12 12° 9	15°55 16° 1	29°13 29°20	S 23 M24
T 25	2 9 40 2 13 37	1°36'54	5) 32	5° 7	11°32 12° 6	27°36	22°49 23° 2	9°56	1°54	24°35	15°27	11°33	12° 5	16° 8	29°27	T 25
W26	2 17 33	2°36'45	19°16	6°44	12°38	27° 30° 1	23°15	10° 2	1°58	24°34	15°26	11°22	12° 2	16°15	29°34	W26
T 27	2 21 30	3°36'39	2 Υ 52	8°21	13° 9	28°26	23°27	10° 8	2° 1	24°34	15°25	11°12	11°59	16°21	29°42	T 27
F 28	2 25 26	4°36'34	16°16	9°57	13°38	28°50	23°40	10°14	2° 4	24°33	15°24	11° 1	11°56	16°28	29°49	F 28
S 29	2 29 23	5°36'31	29°27	11°33	14° 6	29°15	23°53	10°21	2° 8	24°32	15°23	10°50	11°53	16°35	29°56	S 29
S 30	2 33 19	6°36'29	12824	13° 8	14°32	29°38	24° 6	10°27	2°11	24°31	15°23	10°38	11°49	16°41	0 ∡ 3	S 30
M31	2 37 16	7 M 36'30	25 8 4	14 M 43	14 ∡ 756	0 Ω 2	24 ₽ 19	10 ∡ 33	2 ₹ 15	24∏30	15Ⅲ22	10 궁 29	11 る 46	169548	0 ₮ 10	M31

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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	3 s 6	12n44	4n58	4n 9	1n53	22 s36	3 s57	23n 6	0n37	5 s 5 9	1n 6	20s 6	1n32	20 s11	0n 8	22n 1	1 s20	12n46	9 s 5 9	22 s45	22 s47	22n46	16s 2 3n31
S 2	3 30		4 42	3 29		22 54	4 2	-	0 38	6 4	1 5			20 11		22 1		12 45		22 46			
M 3 T 4		20 55	4 11	2 48		23 11	4 6	_	0 40	6 9	1 5			20 12		22 1	1 20	12 45		22 47			
W 5		23 27 24 49	3 29 2 38	2 6		23 29 23 45	4 11	22 58 22 55	0 41 0 43	6 14	1 5		1 31			22 1 22 1	1 20 1 20	12 45 12 45		22 48 22 48			
T 6		1	1 40	0 40	1 51		4 20		0 44	6 24	1 5		1 31			22 1	1 20	12 45		22 49			
F 7		23 59	0 39	0s 5		24 17	4 24		0 45	6 29	1 5		1 31			22 1	1 20						16 10 3 31
S 8	5 49	21 56	0 s23	0 49	1 46	24 32	4 28	22 47	0 47	6 34	1 5	20 13	1 31	20 15	0 8	22 1	1 20	12 44	10 0	22 49	22 49	22 35	16 12 3 31
S 9	-	18 57	1 25	1 34		24 47		22 44	0 48	6 39	1 5			20 15	-	22 1	1 20			-			16 13 3 31
M10 T 11	6 34 6 57	15 8 10 40	2 23 3 16	2 20 3 5	1 38	25 1 25 15	4 36 4 40		0 50 0 51	6 44 6 49	1 5		1 30 1 30				1 20 1 20	12 44 12 44		22 49			16 15 3 31 16 16 3 31
W12	7 20		4 1	3 50		25 28		22 35	0 51	6 54	1 5		1 30				1 20	12 44					16 18 3 31
T 13	7 42		4 35	4 35		25 41		22 31	0 54	6 59	1 5			20 18			1 20	12 43					16 19 3 31
F 14	8 5		4 55	5 20		25 53		22 28	0 56	7 3	-			20 18			1 20	12 43		22 52			
S 15	8 27	10 32	5 0	6 5	1 13	26 4	4 54	22 25	0 58	7 8	1 5	20 20	1 30	20 19	0 8	22 1	1 20	12 43	10 1	22 53	22 51	22 23	16 22 3 31
S 16		15 31	4 48	6 49		26 15		22 22	0 59		_			20 20		22 1	1 20	-					16 23 3 31
M17 T 18		19 46 22 55	4 19 3 33	7 33 8 17		26 26 26 36	5 0 5 3	-	1 1 1 2	7 18 7 23	1 5			20 20 20 21	-		1 20 1 20	12 42 12 42		22 55			16 25 3 31 16 26 3 31
W19		24 39	2 34	8 59		26 45	5 6		1 4	7 28	1 5			20 21	-		1 20	12 42					16 28 3 31
T 20	10 17	24 47	1 25	9 42	0 43	26 54	5 8		1 6	7 33	1 5	20 25	1 29	20 22	0 8	22 0	1 20	12 42	10 1	22 57	22 53	22 15	16 29 3 31
F 21		23 18		10 24	0 36		5 11	-	1 7	7 38	1 5			20 23		22 0	1 20	12 42		22 57			
S 22	11 0	20 20	ln 4	11 5	0 30	27 10	5 13		1 9	,	1 5		1 29	20 24	0 8	22 0	1 20	12 41	10 2	22 57	22 53	22 12	16 32 3 31
S 23		16 12		11 46		27 17		21 59	1 11	7 47	1 5			20 24				12 41					16 33 3 31
M24 T 25	11 42 12 3	11 12 5 41	3 16 4 6	12 26 13 5		27 24 27 30		21 55 21 52	1 13 1 14	7 52 7 57	1 5			20 25 20 26				12 41 12 41					16 35 3 31 16 36 3 31
W26	12 23			13 44		27 35		21 49	1 16	8 2	1 5			20 26				12 41					16 38 3 31
T 27	12 44	5 43	4 59	14 21	0s 4	27 40	5 19	21 45	1 18	8 6	1 5	20 32	1 28	20 27	0 8	22 0	1 21	12 41		22 59	22 55	22 4	16 39 3 31
F 28	13 4			14 58		27 45		21 42	1 20	8 11	1 5			20 28				12 40			22 55		16 41 3 31
S 29		15 45		15 35		27 48		21 39	1 21	8 16		20 34		20 28		22 0		12 40			22 55		16 42 3 31
S 30	-	19 39	_	16 10		27 51		21 36		8 21		20 35		20 29		22 0		12 40					16 44 3 32
M31	14s 3	22n33	3n37	16 s45	0s31	27 s54	5 s20	21n33	1n25	8 s25	In 5	20s36	In27	20 s30	Un 8	22n 0	1 s21	12n40	10s 2	23 s 2	22 s56	21n57	16s45 3n32

Julian Day Number = 2414563.5, Delta T = -3.26 sec Ecliptic obliquity = $23^{\circ}27'12$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'35$, Lahiri = $22^{\circ}26'35$

NOVEMBER 1898 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(卉	Р	u	v	Ç	, k	Day
T 1	2 41 12	8ML36'33	7 Ⅱ 28	16 M .17	15 × 19	$0\Omega 25$	24 ₽ 32	10 ₹ 39	2 ₹ 18	24°R29	15°R21	10°R21	11 る 43	16955	0 ∡ 18	T 1
W 2	2 45 9	9°36'38	19°38	17°51	15°39	0°47	24°45	10°46	2°22	24Ⅲ27	15Ⅲ20	10 궁 17	11°40	17° 1	0°25	W 2
T 3	2 49 6	10°36'44	19937	19°24	15°58	1° 9	24°58	10°52	2°25	24°26	15°19	10°14	11°37	17° 8	0°32	T 3
F 4	2 53 2	11°36'53	13°27	20°57	16°15	1°31	25°10	10°59	2°29	24°25	15°18	10°D14	11°34	17°15	0°40	F 4
S 5	2 56 59	12°37'04	25°15	22°30	16°30	1°53	25°23	11° 5	2°32	24°24	15°17	10°15	11°30	17°21	0°47	S 5
S 6	3 0 55	13°37'17	7 Ω 3	24° 2	16°43	2°14	25°36	11°12	2°36	24°23	15°16	10°16	11°27	17°28	0°55	S 6
M 7	3 4 52	14°37'32	18°59	25°34	16°53	2°34	25°49	11°18	2°39	24°22	15°15	10°R16	11°24	17°34	1° 2	M 7
T 8	3 8 48	15°37'49	1 Mp 8	27° 6	17° 2	2°54	26° 1	11°25	2°43	24°20	15°14	10°14	11°21	17°41	1° 9	T 8
W 9	3 12 45	16°38'08	13°33	28°37	17° 8	3°14	26°14	11°32	2°46	24°19	15°13	10°11	11°18	17°48	1°17	W 9
T 10	3 16 41	17°38'28	26°21	0 ∡ 8	17°12	3°33	26°27	11°38	2°50	24°18	15°12	10° 5	11°15	17°54	1°24	T 10
F 11	3 20 38	18°38'51	9 ≏ 32	1°38	17°R14	3°52	26°39	11°45	2°54	24°17	15°11	9°57	11°11	18° 1	1°32	F 11
S 12	3 24 35	19°39'15	23° 9	3° 8	17°13	4°10	26°52	11°52	2°57	24°15	15°10	9°49	11° 8	18° 8	1°39	S 12
S 13	3 28 31	20°39'42	7 M 9	4°38	17°10	4°28	27° 4	11°58	3° 1	24°14	15° 9	9°40	11° 5	18°14	1°47	S 13
M14	3 32 28	21°40'10	21°29	6° 8	17° 4	4°45	27°17	12° 5	3° 4	24°13	15° 8	9°33	11° 2	18°21	1°55	M14
T 15	3 36 24	22°40'40	6 ₹ 2	7°37	16°56	5° 2	27°29	12°12	3° 8	24°11	15° 7	9°27	10°59	18°28	2° 2	T 15
W16	3 40 21	23°41'11	20°42	9° 5	16°46	5°18	27°41	12°19	3°12	24°10	15° 6	9°23	10°55	18°34	2°10	W16
T 17	3 44 17	24°41'44	5 云 22	10°33	16°33	5°34	27°54	12°26	3°15	24° 8	15° 5	9°D21	10°52	18°41	2°17	T 17
F 18	3 48 14	25°42'18	19°56	12° 1	16°17	5°49	28° 6	12°33	3°19	24° 7	15° 4	9°22	10°49	18°48	2°25	F 18
S 19	3 52 11	26°42'53	4≈19	13°28	16° 0	6° 3	28°18	12°40	3°23	24° 6	15° 3	9°23	10°46	18°54	2°32	S 19
S 20	3 56 7	27°43'30	18°30	14°55	15°40	6°17	28°31	12°46	3°26	24° 4	15° 2	9°24	10°43	19° 1	2°40	S 20
M21	4 0 4	28°44'07	2) 26	16°21	15°17	6°31	28°43	12°53	3°30	24° 3	15° 1	9°R25	10°40	19° 8	2°48	M21
T 22	4 4 0	29°44'46	16° 8	17°46	14°53	6°43	28°55	13° 0	3°34	24° 1	14°59	9°23	10°36	19°14	2°55	T 22
W23	4 7 57	0 ∡ ¹45'26	29°36	19°10	14°26	6°56	29° 7	13° 7	3°38	24° 0	14°58	9°20	10°33	19°21	3° 3	W23
T 24	4 11 53	1°46'06	12 Y 50	20°34	13°58	7° 7	29°19	13°14	3°41	23°58	14°57	9°15	10°30	19°27	3°10	T 24
F 25	4 15 50	2°46'48	25°51	21°56	13°28	7°18	29°31	13°21	3°45	23°56	14°56	9° 9	10°27	19°34	3°18	F 25
S 26	4 19 46	3°47'31	8 8 39	23°17	12°56	7°29	29°43	13°28	3°49	23°55	14°55	9° 3	10°24	19°41	3°26	S 26
S 27	4 23 43	4°48'16	21°15	24°37	12°23	7°38	29°54	13°35	3°52	23°53	14°54	8°57	10°21	19°47	3°33	S 27
M28	4 27 39	5°49'01	3 Ⅱ 38	25°56	11°48	7°47	OM 6	13°42	3°56	23°52	14°53	8°51	10°17	19°54	3°41	M28
T 29	4 31 36	6°49'48	15°50	27°12	11°13	7°56	0°18	13°49	4° 0	23°50	14°52	8°47	1 <u>0</u> °14	20° 1	3°48	T 29
W30	4 35 33	7 ₹ 750'36	27 Ⅲ 52	28 × ⁷ 27	10 ∡ 37	8 Ω 4	0 M .30	13 × 757	4 ₹ 3	23 Ⅱ 49	14∏50	8 국 45	10 ਰ 11	2095 7	3 ∡ 756	W30

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S 13 M14 T 15 W16 T 17 F 18	17 56 18 12 18 27	18 12 4 3 21 50 3 4 24 7 2 5 24 47 1 3 23 42 0 2	3 22 51 9 23 12 0 23 31 9 23 50	1 48 27 2 1 53 27 1 1 57 27 1 2 2 27 2 6 26 5	7 4 38 20 9 4 31 20 1 4 24 20 2 4 16 20 3 4 7 20	57 1 51 55 1 53 53 1 56 52 1 58 50 2 0	9 25 9 29 5 9 34 8 9 38 9 42	1 6 1 6 1 6	20 49 20 50 20 51 20 52 20 53	1 26 1 26 1 26 1 25 1 25	20 39	0 8 0 8 0 8 0 8	21 59 1 21 59 1 21 59 1 21 59 1 21 58 1 21 58 1	21 1 21 1 21 1 21 1 21 1 21 1	2 38 10 2 37 10 2 37 10 2 37 10 2 37 10 2 37 10 2 37 10	3 23 6 4 23 7 4 23 7 4 23 7 4 23 7	22 59 23 0 23 0 23 0 23 0 23 0	21 34 21 33 21 31 21 29	17 3 17 4 17 6 17 7 17 8	3 33 3 33 3 33 3 34 3 34 3 34
S 19 S 20 M21 T 22 W23 T 24 F 25 S 26	-	12 11 3 1 6 44 4 1 5 4 4 4n31 5 9 50 5 1 14 37 4 5	1 24 38 6 24 51 9 25 3 6 25 14 6 25 24 0 25 32 8 25 39 1 25 44	2 16 26 1 2 19 26 2 22 25 5 2 24 25 3 2 25 25 1 2 26 25	8 3 38 20 5 3 27 20 0 3 16 20 5 3 4 20 9 2 51 20 3 2 38 20	46 2 7 45 2 9 44 2 12 43 2 14 42 2 16 42 2 19	9 55 0 10 0 2 10 4	1 6 1 6 1 6 1 6 1 6	20 56 20 57 20 58 20 59 21 0	1 25 1 25 1 25 1 25 1 25 1 25 1 25	20 43 20 44 20 45 20 45 20 46 20 47 20 47 20 48	0 8 0 8 0 8 0 7 0 7 0 7	21 58 1 21 58 1 21 58 1 21 58 1 21 58 1 21 58 1 21 58 1	21 1 21 1 21 1 21 1 21 1 21 1	2 37 10 2 36 10 2 36 10 2 36 10 2 36 10 2 36 10 2 36 10	4 23 7 4 23 7 4 23 7 4 23 7 4 23 8 4 23 8	23 1 23 1 23 2 23 2 23 2 23 2 23 2	21 24 21 22 21 20 21 18 21 17 21 15 21 13 21 11	17 12 17 13 17 15 17 16 17 17 17 18	3 34 3 34 3 35 3 35 3 35 3 35 3 35 3 35
S 27 M28 T 29	21 6 21 17 21 28	21 47 3 5 23 50 3 24 44 2	1 25 48 0 25 50 2 25 51 9 25 s51	2 27 24 2	7 2 10 20 8 1 56 20 8 1 41 20	41 2 24 41 2 26 41 2 29	10 24 5 10 28	1 7 1 7 1 7	21 3	1 25 1 24 1 24	20 49 20 50 20 50 20 s51	0 7 0 7 0 7	21 58 1 21 58 1 21 57 1	21 1 21 1 21 1	2 36 10 2 35 10	4 23 9 4 23 9 4 23 10	23 3 23 3 23 3	21 9 21 7 21 6	17 21 17 22 17 23	3 36 3 36 3 36

Julian Day Number = 2414594.5, Delta T = -3.19 sec Ecliptic obliquity = $23^{\circ}27'11$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'39$, Lahiri = $22^{\circ}26'39$

DECEMBER 1898 00:00 UT

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S 3	4 47 22	10°53'08	3 Ω 22	1°55	8°48	8°23	1° 4	14°18	4°15	23°44	14°47	8°47	10° 1	20°27	4°19	S 3
S 4	4 51 19	11°54'01	15°11	2°58	8°12	8°27	1°15	14°25	4°18	23°42	14°46	8°49	9°58	20°34	4°26	S 4
M 5	4 55 15	12°54'55	27° 6	3°56	7°36	8°32	1°27	14°32	4°22	23°40	14°45	8°50	9°55	20°41	4°34	M 5
T 6	4 59 12	13°55'51	9 m)12	4°50	7° 2	8°35	1°38	14°39	4°26	23°39	14°44	8°R51	9°52	20°47	4°41	T 6
W 7	5 3 9	14°56'48	21°34	5°39	6°28	8°38	1°49	14°46	4°29	23°37	14°42	8°51	9°49	20°54	4°49	W 7
T 8	5 7 5	15°57'46	4 ₽ 17	6°22	5°56	8°39	2° 0	14°53	4°33	23°35	14°41	8°50	9°46	21° 1	4°56	T 8
F 9	5 11 2	16°58'45	17°24	6°57	5°25	8°40	2°11	15° 0	4°37	23°34	14°40	8°48	9°42	21° 7	5° 4	F 9
S 10	5 14 58	17°59'45	0 M .59	7°25	4°56	8°R41	2°22	15° 7	4°40	23°32	14°39	8°45	9°39	21°14	5°11	S 10
S 11	5 18 55	19° 0'47	15° 1	7°45	4°28	8°40	2°33	15°15	4°44	23°30	14°38	8°42	9°36	21°20	5°19	S 11
M12	5 22 51	20° 1'49	29°28	7°R55	4° 3	8°39	2°44	15°22	4°47	23°28	14°37	8°39	9°33	21°27	5°26	M12
T 13	5 26 48	21° 2'53	14 × 14	7°54	3°40	8°37	2°55	15°29	4°51	23°27	14°35	8°37	9°30	21°34	5°34	T 13
W14	5 30 44	22° 3'57	29°14	7°43	3°19	8°34	3° 5	15°36	4°55	23°25	14°34	8°36	9°27	21°40	5°41	W14
T 15	5 34 41	23° 5'02	14 궁 18	7°20	3° 0	8°30	3°16	15°43	4°58	23°23	14°33	8°D36	9°23	21°47	5°48	T 15
F 16	5 38 38	24° 6'08	29°17	6°46	2°43	8°25	3°26	15°50	5° 2	23°22	14°32	8°37	9°20	21°54	5°56	F 16
S 17	5 42 34	25° 7'14	14≈ 4	6° 0	2°29	8°20	3°36	15°57	5° 5	23°20	14°31	8°38	9°17	22° 0	6° 3	S 17
S 18	5 46 31	26° 8'20	28°33	5° 3	2°18	8°13	3°47	16° 4	5° 9	23°18	14°30	8°39	9°14	22° 7	6°10	S 18
M19	5 50 27	27° 9'26	12) (40	3°57	2° 9	8° 6	3°57	16°11	5°12	23°17	14°29	8°40	9°11	22°14	6°18	M19
T 20	5 54 24	28°10'33	26°25	2°43	2° 2	7°58	4° 7	16°18	5°16	23°15	14°28	8°R40	9° 7	22°20	6°25	T 20
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T 22	6 2 17	0 궁 12'46	22°52	0° 1	1°D56	7°40	4°27	16°32	5°23	23°12	14°25	8°39	9° 1	22°34	6°39	T 22
F 23	6 6 13	1°13'53	5 8 38	28 × 39	1°57	7°29	4°36	16°39	5°26	23°10	14°24	8°39	8°58	22°40	6°46	F 23
S 24	6 10 10	2°15'00	18° 9	27°19	2° 0	7°18	4°46	16°46	5°30	23° 8	14°23	8°38	8°55	22°47	6°53	S 24
S 25	6 14 7	3°16'08	0 Ⅲ 27	26° 5	2° 6	7° 6	4°56	16°53	5°33	23° 6	14°22	8°37	8°52	22°54	7° 0	S 25
M26	6 18 3	4°17'15	12°35	24°57	2°14	6°53	5° 5	17° 0	5°36	23° 5	14°21	8°36	8°48	23° 0	7° 7	M26
T 27	6 22 0	5°18'23	24°35	23°59	2°24	6°39	5°14	17° 7	5°40	23° 3	14°20	8°36	8°45	23° 7	7°14	T 27
W28	6 25 56	6°19'31	6929	23°10	2°36	6°25	5°24	17°13	5°43	23° 1	14°19	8°D36	8°42	23°14	7°21	W28
T 29	6 29 53	7°20'39	18°19	22°31	2°51	6°10	5°33	17°20	5°46	23° 0	14°18	8°36	8°39	23°20	7°28	T 29
F 30	6 33 49	8°21'48	0Ω 7	22° 3	3° 7	5°54	5°42	17°27	5°50	22°58	14°17	8°R36	8°36	23°27	7°35	F 30
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S 18 M19 T 20 W21 T 22 F 23 S 24	-	2 25 4 46 3n19 5 10 8 45 5 17 13 39 5 8 17 51 4 43	22 6 21 48 21 31 21 15 20 59	0 58 17 54 1 18 17 42 1 37 17 31 1 56 17 21 2 13 17 12 2 28 17 5 2 40 16 58	2 47 21 26 2 58 21 30 3 7 21 35 3 17 21 40 3 25 21 45 3 33 21 50 3 41 21 55	3 22 3 25 3 27 3 30	11 42 11 46 11 49 11 52 11 55 11 59 12 2	1 9	21 21 21 22	1 23 1 23 1 23 1 23 1 23 1 23 1 23	21 4 21 4 21 5 21 6 21 6	0 7 0 7 0 7 0 7 0 7	21 56 1 21 21 56 1 21	12 34 10 3 12 34 10 3 12 34 10 3 12 34 10 3 12 34 10 2	3 23 10 3 23 10 3 23 10 3 23 10 3 23 10 2 23 10 2 23 10	23 8 23 8 23 9 23 9 23 9	20 30 20 28 20 26 20 24 20 22 20 20 20 18	17 44 3 41 17 45 3 42 17 46 3 42 17 47 3 42 17 47 3 43
	23 23 23 21 23 18	24 38 2 20 24 38 1 17 23 29 0 12 21 19 0s54 18 14 1 57	20 23 20 15 20 9 20 6 20 6	2 51 16 52 2 59 16 47 3 4 16 43 3 7 16 40 3 8 16 37 3 8 16 36 3n 5 16s35	3 48 22 1 3 55 22 7 4 1 22 13 4 6 22 19 4 12 22 25 4 16 22 31 4n21 22n38	3 43 3 45 3 48 3 50	12 5 12 8 12 11 12 14 12 17 12 19 12 s22	1 10 1 10 1 10 1 10 1 10	21 26 21 26 21 27 21 28 21 28 21 29 21 s29	1 23	21 8 21 9	0 7 0 7 0 7 0 7 0 7	21 55 1 21 21 1055 1 821	12 34 10 2 12 34 10 2 12 34 10 2 12 34 10 2 12 34 10 2	2 23 10 2 23 s10	23 10 23 10 23 10 23 10 23 10 23 10	20 13 20 11 20 9 20 7	17 50 3 44 17 51 3 44 17 51 3 45 17 52 3 45 17 53 3 45

Julian Day Number = 2414624.5, Delta T = -3.11 sec Ecliptic obliquity = $23^{\circ}27'10$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $23^{\circ}19'43$, Lahiri = $22^{\circ}26'43$