Astrodienst Ephemeris Tables

for the year 2198

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

Astrodienst AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

ASTRODIENST EPHEMERIS for the year 2198
geocentric

JANUARY 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 44 1	10♑49'26	12♎ 6	9♑58	27♏ 8	20°R39	10♑21	7♒ 7	17°R56	17♈48	21°R21	16°D30	15♐31	9♉58	22♏40	M 1
T 2	6 47 58	11°50'35	26°14	11°34	27°52	20♋16	10°35	7°14	17♊53	17°48	21♌20	16♐31	15°28	10° 4	22°46	T 2
W 3	6 51 54	12°51'45	10♏31	13°11	28°38	19°52	10°49	7°20	17°51	17°48	21°19	16°32	15°25	10°11	22°52	W 3
T 4	6 55 51	13°52'54	24°56	14°47	29°24	19°29	11° 3	7°27	17°49	17°49	21°18	16°34	15°22	10°18	22°59	T 4
F 5	6 59 47	14°54'04	9♐25	16°24	0♐11	19° 5	11°17	7°34	17°47	17°49	21°16	16°R35	15°19	10°24	23° 5	F 5
S 6	7 3 44	15°55'15	23°52	18° 1	1° 0	18°41	11°31	7°41	17°45	17°49	21°15	16°35	15°15	10°31	23°11	S 6
S 7	7 7 41	16°56'25	8♑14	19°39	1°49	18°17	11°44	7°47	17°42	17°50	21°14	16°33	15°12	10°38	23°18	S 7
M 8	7 11 37	17°57'36	22°24	21°17	2°39	17°53	11°58	7°54	17°40	17°50	21°13	16°30	15° 9	10°44	23°24	M 8
T 9	7 15 34	18°58'47	6♒17	22°55	3°29	17°29	12°12	8° 1	17°38	17°50	21°12	16°25	15° 6	10°51	23°30	T 9
W10	7 19 30	19°59'57	19°51	24°34	4°21	17° 5	12°26	8° 8	17°36	17°51	21°11	16°20	15° 3	10°58	23°36	W10
T 11	7 23 27	21° 1'07	3♓ 3	26°13	5°13	16°42	12°40	8°15	17°34	17°51	21°10	16°14	14°59	11° 4	23°42	T 11
F 12	7 27 23	22° 2'16	15°52	27°52	6° 6	16°18	12°54	8°22	17°32	17°52	21° 8	16° 8	14°56	11°11	23°47	F 12
S 13	7 31 20	23° 3'25	28°22	29°32	6°59	15°55	13° 7	8°29	17°30	17°52	21° 7	16° 4	14°53	11°18	23°53	S 13
S 14	7 35 17	24° 4'34	10♈34	1♒12	7°53	15°32	13°21	8°36	17°28	17°53	21° 6	16° 1	14°50	11°24	23°59	S 14
M15	7 39 13	25° 5'42	22°33	2°52	8°48	15°10	13°35	8°43	17°26	17°53	21° 5	16°D 0	14°47	11°31	24° 4	M15
T 16	7 43 10	26° 6'49	4♉25	4°33	9°44	14°48	13°49	8°50	17°25	17°54	21° 3	16° 0	14°44	11°38	24°10	T 16
W17	7 47 6	27° 7'56	16°14	6°14	10°40	14°27	14° 2	8°57	17°23	17°55	21° 2	16° 2	14°40	11°44	24°15	W17
T 18	7 51 3	28° 9'02	28° 5	7°55	11°36	14° 6	14°16	9° 4	17°21	17°55	21° 1	16° 3	14°37	11°51	24°20	T 18
F 19	7 54 59	29°10'08	10♊ 4	9°36	12°33	13°45	14°30	9°11	17°19	17°56	20°59	16°R 5	14°34	11°58	24°26	F 19
S 20	7 58 56	0♒11'12	22°14	11°17	13°31	13°25	14°43	9°18	17°18	17°57	20°58	16° 5	14°31	12° 4	24°31	S 20
S 21	8 2 52	1°12'17	4♋39	12°57	14°29	13° 6	14°57	9°25	17°16	17°58	20°57	16° 3	14°28	12°11	24°36	S 21
M22	8 6 49	2°13'20	17°21	14°38	15°28	12°47	15°10	9°32	17°14	17°58	20°56	15°59	14°25	12°18	24°41	M22
T 23	8 10 46	3°14'23	0♌21	16°18	16°27	12°29	15°24	9°40	17°13	17°59	20°54	15°52	14°21	12°24	24°45	T 23
W24	8 14 42	4°15'25	13°39	17°57	17°26	12°11	15°38	9°47	17°11	18° 0	20°53	15°45	14°18	12°31	24°50	W24
T 25	8 18 39	5°16'27	27°13	19°36	18°26	11°55	15°51	9°54	17°10	18° 1	20°51	15°36	14°15	12°38	24°55	T 25
F 26	8 22 35	6°17'28	10♍59	21°13	19°27	11°39	16° 5	10° 1	17° 8	18° 2	20°50	15°27	14°12	12°44	24°59	F 26
S 27	8 26 32	7°18'28	24°55	22°49	20°28	11°23	16°18	10° 8	17° 7	18° 3	20°49	15°19	14° 9	12°51	25° 4	S 27
S 28	8 30 28	8°19'28	8♎57	24°23	21°29	11° 9	16°31	10°15	17° 6	18° 4	20°47	15°14	14° 5	12°58	25° 8	S 28
M29	8 34 25	9°20'27	23° 3	25°55	22°30	10°55	16°45	10°22	17° 4	18° 5	20°46	15°10	14° 2	13° 4	25°13	M29
T 30	8 38 21	10°21'26	7♏ 9	27°24	23°32	10°42	16°58	10°30	17° 3	18° 6	20°44	15°D 9	13°59	13°11	25°17	T 30
W31	8 42 18	11♒22'24	21♏16	28♒49	24♐35	10♋29	17♑11	10♒37	17♊ 2	18♈ 7	20♌43	15♐ 9	13♐56	13♉18	25♏21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s58	9s 8	4s44	24s41	1s39	15s43	3n53	25n37	3n50	22s58	0n 3	19s 1	0s34	22n55	0n 4	5n30	1s36	22n 9	8n13	22s44	22s38	17n38	16s37	1n52
T 2	22 53	13 53	4 3	24 37	1 43	15 51	3 55	25 42	3 52	22 57	0 2	18 59	0 34	22 55	0 4	5 30	1 36	22 9	8 14	22 44	22 37	17 39	16 38	1 52
W 3	22 48	17 54	3 5	24 32	1 47	15 59	3 57	25 48	3 53	22 56	0 2	18 58	0 34	22 55	0 4	5 30	1 36	22 10	8 14	22 44	22 37	17 41	16 39	1 53
T 4	22 41	20 52	1 56	24 25	1 50	16 7	3 58	25 53	3 55	22 55	0 2	18 56	0 34	22 55	0 4	5 30	1 36	22 10	8 14	22 44	22 37	17 42	16 40	1 53
F 5	22 35	22 29	0 39	24 17	1 54	16 16	3 59	25 57	3 56	22 54	0 2	18 54	0 34	22 55	0 4	5 30	1 36	22 11	8 14	22 44	22 36	17 43	16 41	1 54
S 6	22 28	22 36	0n40	24 8	1 57	16 25	4 0	26 2	3 58	22 53	0 2	18 53	0 34	22 54	0 4	5 30	1 36	22 11	8 15	22 44	22 36	17 45	16 42	1 54
S 7	22 20	21 14	1 56	23 56	1 59	16 34	4 1	26 7	3 59	22 52	0 2	18 51	0 34	22 54	0 4	5 30	1 36	22 12	8 15	22 44	22 36	17 46	16 44	1 55
M 8	22 13	18 32	3 4	23 44	2 1	16 43	4 2	26 11	4 0	22 51	0 2	18 49	0 34	22 54	0 4	5 31	1 36	22 13	8 15	22 44	22 35	17 48	16 45	1 55
T 9	22 4	14 49	3 59	23 30	2 3	16 52	4 2	26 15	4 1	22 49	0 2	18 48	0 34	22 54	0 4	5 31	1 36	22 13	8 15	22 43	22 35	17 49	16 46	1 55
W10	21 55	10 25	4 39	23 14	2 5	17 1	4 2	26 19	4 2	22 48	0 2	18 46	0 34	22 54	0 4	5 31	1 36	22 14	8 15	22 43	22 34	17 51	16 47	1 56
T 11	21 46	5 39	5 3	22 57	2 6	17 11	4 2	26 23	4 3	22 47	0 2	18 44	0 34	22 54	0 4	5 31	1 36	22 14	8 16	22 42	22 34	17 52	16 48	1 56
F 12	21 37	0 47	5 12	22 38	2 7	17 20	4 1	26 27	4 3	22 46	0 2	18 42	0 34	22 53	0 4	5 31	1 36	22 15	8 16	22 42	22 34	17 53	16 49	1 57
S 13	21 27	4n 0	5 4	22 18	2 7	17 29	4 1	26 30	4 4	22 45	0 1	18 41	0 34	22 53	0 4	5 32	1 36	22 15	8 16	22 41	22 33	17 55	16 50	1 57
S 14	21 16	8 31	4 44	21 56	2 7	17 39	4 0	26 33	4 4	22 43	0 1	18 39	0 34	22 53	0 4	5 32	1 36	22 16	8 16	22 41	22 33	17 56	16 51	1 58
M15	21 5	12 38	4 11	21 33	2 7	17 48	3 59	26 36	4 5	22 42	0 1	18 37	0 34	22 53	0 4	5 32	1 36	22 17	8 16	22 41	22 33	17 58	16 51	1 58
T 16	20 54	16 14	3 27	21 8	2 6	17 57	3 58	26 39	4 5	22 41	0 1	18 35	0 35	22 53	0 4	5 33	1 35	22 17	8 17	22 41	22 32	17 59	16 52	1 59
W17	20 43	19 9	2 35	20 42	2 4	18 6	3 57	26 41	4 5	22 39	0 1	18 33	0 35	22 53	0 4	5 33	1 35	22 18	8 17	22 41	22 32	18 0	16 53	1 59
T 18	20 31	21 16	1 36	20 14	2 2	18 15	3 56	26 44	4 5	22 38	0 1	18 32	0 35	22 52	0 4	5 33	1 35	22 18	8 17	22 41	22 32	18 2	16 54	2 0
F 19	20 18	22 28	0 33	19 45	2 0	18 24	3 54	26 46	4 5	22 37	0 1	18 30	0 35	22 52	0 4	5 33	1 35	22 19	8 17	22 41	22 31	18 3	16 55	2 0
S 20	20 5	22 38	0s33	19 15	1 57	18 33	3 53	26 48	4 5	22 35	0 1	18 28	0 35	22 52	0 4	5 34	1 35	22 20	8 17	22 41	22 31	18 4	16 56	2 1
S 21	19 52	21 41	1 39	18 43	1 53	18 42	3 51	26 50	4 5	22 34	0 1	18 26	0 35	22 52	0 4	5 34	1 35	22 20	8 17	22 41	22 31	18 6	16 56	2 1
M22	19 39	19 38	2 41	18 9	1 48	18 50	3 49	26 51	4 4	22 32	0 1	18 24	0 35	22 52	0 4	5 35	1 35	22 21	8 18	22 41	22 30	18 7	16 57	2 2
T 23	19 25	16 32	3 36	17 35	1 43	18 58	3 47	26 53	4 4	22 31	0 0	18 22	0 35	22 52	0 4	5 35	1 35	22 21	8 18	22 40	22 30	18 8	16 58	2 2
W24	19 10	12 33	4 20	16 59	1 38	19 6	3 44	26 54	4 4	22 30	0 0	18 21	0 35	22 51	0 4	5 35	1 35	22 22	8 18	22 39	22 29	18 10	16 58	2 3
T 25	18 56	7 52	4 51	16 22	1 31	19 13	3 42	26 55	4 3	22 28	0 0	18 19	0 35	22 51	0 4	5 36	1 35	22 23	8 18	22 38	22 29	18 11	16 59	2 3
F 26	18 41	2 43	5 6	15 44	1 24	19 21	3 40	26 56	4 2	22 27	0 0	18 17	0 35	22 51	0 4	5 36	1 35	22 23	8 18	22 37	22 29	18 12	17 0	2 4
S 27	18 25	2s37	5 2	15 6	1 16	19 28	3 37	26 56	4 2	22 25	0 0	18 15	0 35	22 51	0 4	5 36	1 35	22 24	8 18	22 36	22 28	18 14	17 0	2 4
S 28	18 10	7 51	4 41	14 26	1 7	19 35	3 34	26 57	4 1	22 24	0 0	18 13	0 35	22 51	0 4	5 37	1 35	22 24	8 18	22 36	22 28	18 15	17 1	2 5
M29	17 54	12 42	4 3	13 46	0 58	19 41	3 31	26 57	4 0	22 22	0s 0	18 11	0 35	22 51	0 4	5 37	1 35	22 25	8 19	22 35	22 28	18 16	17 1	2 5
T 30	17 38	16 52	3 9	13 6	0 47	19 47	3 28	26 57	3 59	22 20	0 0	18 9	0 35	22 51	0 4	5 38	1 35	22 25	8 19	22 35	22 27	18 18	17 2	2 6
W31	17s21	20s 4	2s 5	12s26	0s36	19s53	3n25	26n57	3n58	22s19	0s 0	18s 8	0s36	22n51	0n 4	5n38	1s35	22n26	8n19	22s35	22s27	18n19	17s 2	2n 6

Julian Day Number = 2523863.5, Delta T = 161.06 sec
Ecliptic obliquity = 23°24'46, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'26, Lahiri = 26°37'27

ASTRODIENST EPHEMERIS for the year 2198
geocentric

FEBRUARY 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 46 15	12♒23'22	5♐21	0♓11	25♐37	10°R18	17♑25	10♒44	17°R 1	18♈ 8	20°R42	15♐10	13♐53	13♉24	25♏25	T 1
F 2	8 50 11	13°24'19	19°24	1°28	26°40	10♋ 7	17°38	10°51	17♊ 0	18°10	20♌40	15°R10	13°50	13°31	25°29	F 2
S 3	8 54 8	14°25'16	3♑24	2°40	27°44	9°57	17°51	10°58	16°59	18°11	20°39	15° 9	13°46	13°38	25°33	S 3
S 4	8 58 4	15°26'12	17°17	3°46	28°47	9°48	18° 4	11° 5	16°57	18°12	20°37	15° 5	13°43	13°44	25°36	S 4
M 5	9 2 1	16°27'06	1♒ 2	4°45	29°51	9°40	18°17	11°12	16°57	18°13	20°36	14°58	13°40	13°51	25°40	M 5
T 6	9 5 57	17°28'00	14°36	5°36	0♑55	9°32	18°30	11°20	16°56	18°15	20°34	14°48	13°37	13°58	25°44	T 6
W 7	9 9 54	18°28'53	27°55	6°19	2° 0	9°25	18°43	11°27	16°55	18°16	20°33	14°37	13°34	14° 4	25°47	W 7
T 8	9 13 50	19°29'44	10♓57	6°53	3° 4	9°20	18°56	11°34	16°54	18°17	20°32	14°25	13°31	14°11	25°50	T 8
F 9	9 17 47	20°30'34	23°41	7°17	4° 9	9°14	19° 9	11°41	16°53	18°19	20°30	14°14	13°27	14°18	25°53	F 9
S 10	9 21 44	21°31'23	6♈ 9	7°30	5°15	9°10	19°22	11°48	16°52	18°20	20°29	14° 3	13°24	14°24	25°56	S 10
S 11	9 25 40	22°32'10	18°20	7°R33	6°20	9° 7	19°35	11°55	16°52	18°21	20°27	13°56	13°21	14°31	25°59	S 11
M12	9 29 37	23°32'56	0♉20	7°25	7°26	9° 4	19°47	12° 2	16°51	18°23	20°26	13°50	13°18	14°38	26° 2	M12
T 13	9 33 33	24°33'40	12°11	7° 6	8°31	9° 2	20° 0	12° 9	16°51	18°24	20°24	13°48	13°15	14°44	26° 5	T 13
W14	9 37 30	25°34'23	23°59	6°37	9°38	9° 1	20°13	12°16	16°50	18°26	20°23	13°D47	13°11	14°51	26° 8	W14
T 15	9 41 26	26°35'05	5♊50	5°58	10°44	9°D 1	20°25	12°23	16°50	18°27	20°22	13°47	13° 8	14°58	26°10	T 15
F 16	9 45 23	27°35'44	17°48	5°10	11°50	9° 1	20°38	12°30	16°49	18°29	20°20	13°R47	13° 5	15° 4	26°13	F 16
S 17	9 49 19	28°36'22	29°59	4°15	12°57	9° 2	20°50	12°37	16°49	18°31	20°19	13°46	13° 2	15°11	26°15	S 17
S 18	9 53 16	29°36'59	12♋29	3°13	14° 4	9° 4	21° 2	12°44	16°49	18°32	20°17	13°43	12°59	15°18	26°17	S 18
M19	9 57 13	0♓37'33	25°20	2° 8	15°11	9° 7	21°15	12°51	16°48	18°34	20°16	13°37	12°56	15°24	26°19	M19
T 20	10 1 9	1°38'06	8♌34	1° 0	16°18	9°10	21°27	12°58	16°48	18°36	20°14	13°28	12°52	15°31	26°21	T 20
W21	10 5 6	2°38'38	22°12	29♒52	17°25	9°14	21°39	13° 5	16°48	18°37	20°13	13°17	12°49	15°38	26°23	W21
T 22	10 9 2	3°39'07	6♍10	28°44	18°33	9°19	21°51	13°12	16°48	18°39	20°12	13° 5	12°46	15°44	26°25	T 22
F 23	10 12 59	4°39'36	20°24	27°40	19°40	9°24	22° 3	13°19	16°D48	18°41	20°10	12°53	12°43	15°51	26°27	F 23
S 24	10 16 55	5°40'02	4♎49	26°39	20°48	9°30	22°15	13°25	16°48	18°42	20° 9	12°42	12°40	15°58	26°28	S 24
S 25	10 20 52	6°40'27	19°17	25°44	21°56	9°37	22°27	13°32	16°48	18°44	20° 7	12°33	12°36	16° 4	26°30	S 25
M26	10 24 48	7°40'51	3♏43	24°55	23° 5	9°44	22°39	13°39	16°48	18°46	20° 6	12°27	12°33	16°11	26°31	M26
T 27	10 28 45	8°41'14	18° 3	24°12	24°13	9°52	22°50	13°46	16°48	18°48	20° 5	12°24	12°30	16°18	26°32	T 27
W28	10 32 41	9♓41'35	2♐14	23♒37	25♑21	10♋ 0	23♑ 2	13♒52	16♊49	18♈50	20♌ 3	12♐23	12♐27	16♉24	26♏33	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 4	22s 2	0s52	11s46	0s24	19s58	3n22	26n57	3n57	22s17	0s 0	18s 6	0s36	22n51	0n 4	5n39	1s35	22n27	8n19	22s35	22s26	18n20	17s 3	2n 7
F 2	16 47	22 37	0n23	11 6	0 11	20 3	3 19	26 57	3 56	22 16	0 0	18 4	0 36	22 50	0 4	5 39	1 35	22 27	8 19	22 35	22 26	18 22	17 3	2 7
S 3	16 29	21 46	1 36	10 28	0n 3	20 8	3 16	26 57	3 55	22 14	0 1	18 2	0 36	22 50	0 4	5 40	1 35	22 28	8 19	22 35	22 26	18 23	17 4	2 8
S 4	16 11	19 36	2 43	9 51	0 17	20 12	3 12	26 56	3 54	22 12	0 1	18 0	0 36	22 50	0 4	5 40	1 35	22 28	8 19	22 35	22 25	18 24	17 4	2 8
M 5	15 53	16 20	3 39	9 15	0 33	20 16	3 9	26 56	3 52	22 11	0 1	17 58	0 36	22 50	0 4	5 41	1 35	22 29	8 19	22 34	22 25	18 25	17 4	2 9
T 6	15 35	12 15	4 22	8 42	0 48	20 19	3 5	26 55	3 51	22 9	0 1	17 56	0 36	22 50	0 4	5 41	1 35	22 29	8 19	22 33	22 25	18 27	17 5	2 9
W 7	15 16	7 38	4 50	8 11	1 5	20 22	3 2	26 54	3 50	22 7	0 1	17 54	0 36	22 50	0 4	5 42	1 34	22 30	8 19	22 32	22 24	18 28	17 5	2 10
T 8	14 57	2 47	5 2	7 43	1 21	20 24	2 58	26 53	3 49	22 6	0 1	17 52	0 36	22 50	0 4	5 42	1 34	22 31	8 20	22 30	22 24	18 29	17 5	2 10
F 9	14 38	2n 4	4 59	7 19	1 38	20 26	2 54	26 52	3 47	22 4	0 1	17 51	0 36	22 50	0 4	5 43	1 34	22 31	8 20	22 29	22 23	18 31	17 5	2 11
S 10	14 19	6 44	4 41	6 58	1 55	20 28	2 51	26 51	3 46	22 2	0 1	17 49	0 36	22 50	0 4	5 44	1 34	22 32	8 20	22 28	22 23	18 32	17 6	2 11
S 11	13 59	11 3	4 11	6 42	2 11	20 29	2 47	26 50	3 44	22 0	0 1	17 47	0 36	22 50	0 4	5 44	1 34	22 32	8 20	22 27	22 23	18 33	17 6	2 12
M12	13 39	14 51	3 30	6 30	2 27	20 30	2 43	26 49	3 43	21 59	0 1	17 45	0 36	22 50	0 4	5 45	1 34	22 33	8 20	22 26	22 22	18 34	17 6	2 12
T 13	13 19	18 1	2 40	6 23	2 42	20 30	2 39	26 47	3 42	21 57	0 2	17 43	0 36	22 50	0 4	5 45	1 34	22 33	8 20	22 26	22 22	18 36	17 6	2 13
W14	12 59	20 25	1 43	6 20	2 56	20 29	2 35	26 46	3 40	21 55	0 2	17 41	0 37	22 50	0 4	5 46	1 34	22 34	8 20	22 26	22 21	18 37	17 6	2 13
T 15	12 38	21 57	0 42	6 23	3 9	20 28	2 31	26 44	3 39	21 53	0 2	17 39	0 37	22 50	0 4	5 47	1 34	22 34	8 20	22 26	22 21	18 38	17 6	2 14
F 16	12 18	22 30	0s21	6 30	3 20	20 27	2 27	26 43	3 37	21 52	0 2	17 37	0 37	22 50	0 4	5 47	1 34	22 35	8 20	22 26	22 21	18 39	17 6	2 15
S 17	11 57	22 0	1 25	6 42	3 29	20 25	2 23	26 41	3 35	21 50	0 2	17 35	0 37	22 49	0 4	5 48	1 34	22 35	8 20	22 26	22 20	18 40	17 6	2 15
S 18	11 36	20 24	2 26	6 57	3 36	20 23	2 18	26 40	3 34	21 48	0 2	17 34	0 37	22 49	0 4	5 48	1 34	22 36	8 20	22 25	22 20	18 42	17 6	2 16
M19	11 14	17 45	3 21	7 16	3 40	20 20	2 14	26 38	3 32	21 46	0 2	17 32	0 37	22 49	0 4	5 49	1 34	22 36	8 20	22 25	22 19	18 43	17 6	2 16
T 20	10 53	14 7	4 7	7 38	3 43	20 16	2 10	26 36	3 31	21 45	0 2	17 30	0 37	22 49	0 4	5 50	1 34	22 37	8 20	22 23	22 19	18 44	17 6	2 17
W21	10 31	9 40	4 41	8 2	3 42	20 12	2 6	26 34	3 29	21 43	0 2	17 28	0 37	22 49	0 4	5 50	1 34	22 37	8 20	22 22	22 19	18 45	17 6	2 17
T 22	10 9	4 37	4 58	8 27	3 40	20 8	2 1	26 32	3 28	21 41	0 2	17 26	0 37	22 49	0 4	5 51	1 34	22 38	8 20	22 21	22 18	18 47	17 6	2 18
F 23	9 47	0s46	4 58	8 54	3 36	20 3	1 57	26 30	3 26	21 39	0 3	17 24	0 37	22 49	0 4	5 52	1 34	22 38	8 20	22 19	22 18	18 48	17 6	2 18
S 24	9 25	6 10	4 39	9 20	3 29	19 57	1 53	26 28	3 25	21 37	0 3	17 22	0 37	22 49	0 4	5 52	1 34	22 39	8 20	22 18	22 17	18 49	17 5	2 19
S 25	9 3	11 16	4 2	9 46	3 21	19 51	1 48	26 26	3 23	21 35	0 3	17 20	0 38	22 49	0 4	5 53	1 34	22 39	8 20	22 17	22 17	18 50	17 5	2 20
M26	8 41	15 42	3 9	10 12	3 11	19 44	1 44	26 24	3 21	21 34	0 3	17 19	0 38	22 49	0 4	5 54	1 34	22 40	8 20	22 16	22 17	18 51	17 5	2 20
T 27	8 18	19 11	2 5	10 36	3 1	19 37	1 40	26 22	3 20	21 32	0 3	17 17	0 38	22 49	0 4	5 55	1 34	22 40	8 20	22 15	22 16	18 52	17 5	2 21
W28	7s56	21s27	0s53	10s59	2n49	19s29	1n35	26n20	3n18	21s30	0s 3	17s15	0s38	22n50	0n 4	5n55	1s34	22n40	8n20	22s15	22s16	18n54	17s 4	2n21

Julian Day Number = 2523894.5, Delta T = 161.14 sec
Ecliptic obliquity = 23°24'46, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'31, Lahiri = 26°37'31

ASTRODIENST EPHEMERIS for the year 2198
geocentric

MARCH 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 36 38	10♓41'55	16♐14	23°R 9	26♑30	10♋10	23♑13	13♒59	16♊49	18♈52	20°R 2	12°R23	12♐24	16♉31	26♏34	T 1
F 2	10 40 35	11°42'14	0♑ 4	22♒48	27°39	10°19	23°25	14° 6	16°49	18°53	20♌ 1	12♐23	12°21	16°38	26°35	F 2
S 3	10 44 31	12°42'31	13°44	22°34	28°47	10°30	23°36	14°12	16°50	18°55	19°59	12°20	12°17	16°44	26°36	S 3
S 4	10 48 28	13°42'46	27°14	22°D28	29°56	10°40	23°48	14°19	16°50	18°57	19°58	12°15	12°14	16°51	26°37	S 4
M 5	10 52 24	14°43'00	10♒33	22°28	1♒ 5	10°52	23°59	14°25	16°51	18°59	19°57	12° 7	12°11	16°58	26°37	M 5
T 6	10 56 21	15°43'13	23°42	22°34	2°15	11° 4	24°10	14°32	16°51	19° 1	19°56	11°56	12° 8	17° 4	26°38	T 6
W 7	11 0 17	16°43'23	6♓40	22°47	3°24	11°16	24°21	14°38	16°52	19° 3	19°54	11°43	12° 5	17°11	26°38	W 7
T 8	11 4 14	17°43'32	19°25	23° 5	4°33	11°29	24°32	14°45	16°53	19° 5	19°53	11°29	12° 2	17°18	26°38	T 8
F 9	11 8 10	18°43'39	1♈56	23°28	5°43	11°43	24°43	14°51	16°53	19° 7	19°52	11°16	11°58	17°24	26°R38	F 9
S 10	11 12 7	19°43'44	14°15	23°57	6°52	11°57	24°53	14°57	16°54	19° 9	19°51	11° 4	11°55	17°31	26°38	S 10
S 11	11 16 4	20°43'47	26°21	24°30	8° 2	12°11	25° 4	15° 4	16°55	19°11	19°49	10°54	11°52	17°38	26°38	S 11
M12	11 20 0	21°43'48	8♉18	25° 7	9°12	12°26	25°14	15°10	16°56	19°13	19°48	10°47	11°49	17°44	26°38	M12
T 13	11 23 57	22°43'47	20° 7	25°49	10°22	12°42	25°25	15°16	16°57	19°15	19°47	10°43	11°46	17°51	26°37	T 13
W14	11 27 53	23°43'44	1♊54	26°34	11°31	12°58	25°35	15°22	16°58	19°17	19°46	10°41	11°42	17°58	26°37	W14
T 15	11 31 50	24°43'39	13°43	27°23	12°41	13°14	25°45	15°28	16°59	19°19	19°45	10°D41	11°39	18° 4	26°36	T 15
F 16	11 35 46	25°43'32	25°40	28°15	13°52	13°31	25°55	15°34	17° 0	19°22	19°44	10°R41	11°36	18°11	26°36	F 16
S 17	11 39 43	26°43'22	7♋50	29°10	15° 2	13°48	26° 5	15°40	17° 1	19°24	19°42	10°40	11°33	18°18	26°35	S 17
S 18	11 43 39	27°43'11	20°18	0♓ 8	16°12	14° 6	26°15	15°46	17° 2	19°26	19°41	10°38	11°30	18°24	26°34	S 18
M19	11 47 36	28°42'57	3♌10	1° 9	17°22	14°24	26°25	15°52	17° 3	19°28	19°40	10°34	11°27	18°31	26°33	M19
T 20	11 51 33	29°42'40	16°27	2°12	18°33	14°42	26°35	15°58	17° 5	19°30	19°39	10°27	11°23	18°38	26°32	T 20
W21	11 55 29	0♈42'22	0♍13	3°18	19°43	15° 1	26°44	16° 4	17° 6	19°32	19°38	10°17	11°20	18°44	26°31	W21
T 22	11 59 26	1°42'01	14°24	4°26	20°54	15°20	26°54	16°10	17° 7	19°34	19°37	10° 7	11°17	18°51	26°29	T 22
F 23	12 3 22	2°41'38	28°57	5°36	22° 4	15°40	27° 3	16°15	17° 9	19°37	19°36	9°56	11°14	18°57	26°28	F 23
S 24	12 7 19	3°41'14	13♎45	6°48	23°15	16° 0	27°12	16°21	17°10	19°39	19°35	9°46	11°11	19° 4	26°26	S 24
S 25	12 11 15	4°40'47	28°39	8° 3	24°26	16°20	27°21	16°26	17°12	19°41	19°34	9°39	11° 7	19°11	26°25	S 25
M26	12 15 12	5°40'18	13♏30	9°19	25°36	16°41	27°30	16°32	17°13	19°43	19°33	9°34	11° 4	19°17	26°23	M26
T 27	12 19 8	6°39'48	28°12	10°37	26°47	17° 2	27°39	16°37	17°15	19°45	19°32	9°31	11° 1	19°24	26°21	T 27
W28	12 23 5	7°39'16	12♐39	11°57	27°58	17°23	27°48	16°43	17°17	19°48	19°32	9°D31	10°58	19°31	26°19	W28
T 29	12 27 2	8°38'42	26°49	13°18	29° 9	17°45	27°57	16°48	17°18	19°50	19°31	9°31	10°55	19°37	26°17	T 29
F 30	12 30 58	9°38'07	10♑40	14°41	0♓20	18° 7	28° 5	16°53	17°20	19°52	19°30	9°R32	10°52	19°44	26°15	F 30
S 31	12 34 55	10♈37'30	24♑13	16♓ 6	1♓31	18♋29	28♑13	16♒59	17♊22	19♈54	19♌29	9♐31	10♐48	19♉51	26♏13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s33	22s22	0n20	11s20	2n36	19s21	1n31	26n18	3n17	21s28	0s 3	17s13	0s38	22n50	0n 4	5n56	1s34	22n41	8n20	22s15	22s15	18n55	17s 4	2n22
F 2	7 10	21 53	1 32	11 39	2 23	19 12	1 27	26 15	3 15	21 26	0 3	17 11	0 38	22 50	0 4	5 57	1 34	22 41	8 20	22 15	22 15	18 56	17 4	2 22
S 3	6 47	20 6	2 37	11 56	2 10	19 2	1 22	26 13	3 14	21 25	0 3	17 9	0 38	22 50	0 4	5 58	1 34	22 42	8 20	22 15	22 15	18 57	17 3	2 23
S 4	6 24	17 12	3 33	12 11	1 56	18 52	1 18	26 11	3 12	21 23	0 4	17 8	0 38	22 50	0 4	5 58	1 34	22 42	8 20	22 14	22 14	18 58	17 3	2 23
M 5	6 1	13 27	4 16	12 24	1 42	18 42	1 13	26 8	3 11	21 21	0 4	17 6	0 38	22 50	0 4	5 59	1 34	22 43	8 20	22 13	22 14	18 59	17 3	2 24
T 6	5 37	9 7	4 45	12 35	1 29	18 31	1 9	26 5	3 9	21 19	0 4	17 4	0 38	22 50	0 4	6 0	1 34	22 43	8 20	22 12	22 13	19 1	17 2	2 25
W 7	5 14	4 25	4 59	12 44	1 15	18 19	1 5	26 3	3 7	21 17	0 4	17 2	0 39	22 50	0 4	6 1	1 34	22 43	8 20	22 10	22 13	19 2	17 2	2 25
T 8	4 51	0n22	4 57	12 50	1 2	18 7	1 0	26 0	3 6	21 15	0 4	17 0	0 39	22 50	0 4	6 1	1 33	22 44	8 20	22 8	22 12	19 3	17 1	2 26
F 9	4 27	5 4	4 41	12 55	0 49	17 55	0 56	25 58	3 4	21 14	0 4	16 59	0 39	22 50	0 4	6 2	1 33	22 44	8 20	22 6	22 12	19 4	17 1	2 26
S 10	4 4	9 29	4 12	12 58	0 36	17 42	0 52	25 55	3 3	21 12	0 4	16 57	0 39	22 50	0 4	6 3	1 33	22 44	8 20	22 5	22 12	19 5	17 0	2 27
S 11	3 40	13 27	3 32	12 59	0 23	17 28	0 48	25 52	3 1	21 10	0 4	16 55	0 39	22 50	0 4	6 4	1 33	22 45	8 20	22 3	22 11	19 6	16 59	2 27
M12	3 17	16 49	2 43	12 58	0 11	17 14	0 43	25 49	3 0	21 8	0 4	16 53	0 39	22 50	0 4	6 5	1 33	22 45	8 20	22 2	22 11	19 7	16 59	2 28
T 13	2 53	19 28	1 47	12 55	0s 1	17 0	0 39	25 46	2 58	21 6	0 5	16 52	0 39	22 50	0 4	6 5	1 33	22 45	8 20	22 2	22 10	19 8	16 58	2 29
W14	2 29	21 17	0 46	12 50	0 12	16 45	0 35	25 43	2 57	21 5	0 5	16 50	0 39	22 50	0 4	6 6	1 33	22 46	8 20	22 1	22 10	19 9	16 58	2 29
T 15	2 6	22 9	0s16	12 43	0 23	16 29	0 31	25 40	2 55	21 3	0 5	16 48	0 39	22 51	0 4	6 7	1 33	22 46	8 20	22 1	22 9	19 11	16 57	2 30
F 16	1 42	22 2	1 19	12 35	0 33	16 13	0 27	25 37	2 54	21 1	0 5	16 47	0 39	22 51	0 4	6 8	1 33	22 46	8 20	22 1	22 9	19 12	16 56	2 30
S 17	1 18	20 52	2 19	12 25	0 43	15 57	0 23	25 34	2 53	20 59	0 5	16 45	0 40	22 51	0 4	6 9	1 33	22 47	8 20	22 1	22 9	19 13	16 55	2 31
S 18	0 54	18 41	3 14	12 14	0 53	15 40	0 19	25 30	2 51	20 58	0 5	16 43	0 40	22 51	0 4	6 9	1 33	22 47	8 20	22 1	22 8	19 14	16 55	2 31
M19	0 31	15 31	4 1	12 1	1 2	15 23	0 15	25 27	2 50	20 56	0 5	16 42	0 40	22 51	0 4	6 10	1 33	22 47	8 20	22 0	22 8	19 15	16 54	2 32
T 20	0 7	11 29	4 37	11 46	1 10	15 5	0 11	25 23	2 48	20 54	0 5	16 40	0 40	22 51	0 4	6 11	1 33	22 48	8 19	21 59	22 7	19 16	16 53	2 32
W21	0n17	6 44	4 58	11 30	1 19	14 47	0 7	25 20	2 47	20 52	0 5	16 38	0 40	22 51	0 4	6 12	1 33	22 48	8 19	21 58	22 7	19 17	16 52	2 33
T 22	0 41	1 29	5 2	11 13	1 26	14 28	0 3	25 16	2 45	20 51	0 6	16 37	0 40	22 51	0 4	6 13	1 33	22 48	8 19	21 56	22 6	19 18	16 51	2 34
F 23	1 4	3s58	4 46	10 54	1 34	14 9	0s 1	25 13	2 44	20 49	0 6	16 35	0 40	22 52	0 4	6 13	1 33	22 48	8 19	21 55	22 6	19 19	16 51	2 34
S 24	1 28	9 17	4 12	10 33	1 40	13 50	0 5	25 9	2 43	20 47	0 6	16 34	0 40	22 52	0 4	6 14	1 33	22 49	8 19	21 53	22 6	19 20	16 50	2 35
S 25	1 51	14 5	3 20	10 12	1 47	13 30	0 8	25 5	2 41	20 46	0 6	16 32	0 40	22 52	0 4	6 15	1 33	22 49	8 19	21 52	22 5	19 21	16 49	2 35
M26	2 15	18 0	2 14	9 48	1 53	13 10	0 12	25 1	2 40	20 44	0 6	16 31	0 41	22 52	0 4	6 16	1 33	22 49	8 19	21 52	22 5	19 22	16 48	2 36
T 27	2 39	20 43	1 0	9 24	1 58	12 49	0 16	24 57	2 39	20 42	0 6	16 29	0 41	22 52	0 4	6 17	1 33	22 49	8 19	21 51	22 4	19 23	16 47	2 36
W28	3 2	22 1	0n17	8 58	2 3	12 28	0 19	24 53	2 37	20 41	0 6	16 28	0 41	22 52	0 4	6 18	1 33	22 49	8 19	21 51	22 4	19 24	16 46	2 37
T 29	3 25	21 51	1 31	8 31	2 7	12 7	0 23	24 49	2 36	20 39	0 6	16 26	0 41	22 53	0 4	6 19	1 33	22 50	8 19	21 51	22 3	19 25	16 45	2 37
F 30	3 49	20 21	2 39	8 3	2 11	11 45	0 26	24 45	2 35	20 38	0 7	16 25	0 41	22 53	0 4	6 19	1 33	22 50	8 19	21 51	22 3	19 26	16 44	2 38
S 31	4n12	17s42	3n36	7s33	2s15	11s23	0s29	24n40	2n33	20s36	0s 7	16s23	0s41	22n53	0n 4	6n20	1s33	22n50	8n18	21s51	22s 2	19n27	16s43	2n39

Julian Day Number = 2523922.5, Delta T = 161.21 sec
Ecliptic obliquity = 23°24'46, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'34, Lahiri = 26°37'35

ASTRODIENST EPHEMERIS for the year 2198
geocentric

APRIL 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 38 51	11♈36'51	7♒31	17♓33	2♓42	18♋51	28♌22	17♒ 4	17♊24	19♈57	19°R28	9°R28	10♐45	19♉57	26°R10	S 1
M 2	12 42 48	12°36'10	20°34	19° 1	3°54	19°14	28°30	17° 9	17°26	19°59	19♑27	9♐22	10°42	20° 4	26♏ 8	M 2
T 3	12 46 44	13°35'27	3♓23	20°30	5° 5	19°37	28°38	17°14	17°28	20° 1	19°27	9°15	10°39	20°11	26° 6	T 3
W 4	12 50 41	14°34'42	16° 1	22° 1	6°16	20° 0	28°45	17°19	17°30	20° 3	19°26	9° 5	10°36	20°17	26° 3	W 4
T 5	12 54 37	15°33'56	28°27	23°34	7°27	20°24	28°53	17°23	17°32	20° 6	19°25	8°55	10°33	20°24	26° 0	T 5
F 6	12 58 34	16°33'08	10♈43	25° 8	8°39	20°48	29° 1	17°28	17°34	20° 8	19°25	8°45	10°29	20°31	25°57	F 6
S 7	13 2 30	17°32'17	22°50	26°43	9°50	21°12	29° 8	17°33	17°36	20°10	19°24	8°36	10°26	20°37	25°55	S 7
S 8	13 6 27	18°31'25	4♉48	28°20	11° 2	21°37	29°15	17°38	17°38	20°12	19°23	8°29	10°23	20°44	25°52	S 8
M 9	13 10 24	19°30'30	16°40	29°58	12°13	22° 1	29°22	17°42	17°40	20°15	19°23	8°24	10°20	20°51	25°49	M 9
T 10	13 14 20	20°29'34	28°27	1♈38	13°25	22°26	29°29	17°47	17°42	20°17	19°22	8°22	10°17	20°57	25°46	T 10
W11	13 18 17	21°28'35	10♊13	3°19	14°36	22°51	29°36	17°51	17°45	20°19	19°22	8°D21	10°13	21° 4	25°42	W11
T 12	13 22 13	22°27'34	22° 3	5° 2	15°48	23°17	29°43	17°56	17°47	20°22	19°21	8°22	10°10	21°11	25°39	T 12
F 13	13 26 10	23°26'31	3♋59	6°47	16°59	23°42	29°49	18° 0	17°49	20°24	19°21	8°23	10° 7	21°17	25°36	F 13
S 14	13 30 6	24°25'25	16° 8	8°32	18°11	24° 8	29°55	18° 4	17°52	20°26	19°20	8°25	10° 4	21°24	25°32	S 14
S 15	13 34 3	25°24'17	28°34	10°20	19°23	24°34	0♒ 2	18° 8	17°54	20°28	19°20	8°R25	10° 1	21°30	25°29	S 15
M16	13 37 59	26°23'07	11♌21	12° 8	20°34	25° 1	0° 8	18°12	17°57	20°31	19°19	8°24	9°58	21°37	25°25	M16
T 17	13 41 56	27°21'55	24°35	13°59	21°46	25°27	0°13	18°16	17°59	20°33	19°19	8°21	9°54	21°44	25°22	T 17
W18	13 45 53	28°20'40	8♍17	15°51	22°58	25°54	0°19	18°20	18° 2	20°35	19°18	8°16	9°51	21°50	25°18	W18
T 19	13 49 49	29°19'23	22°28	17°44	24°10	26°21	0°25	18°24	18° 4	20°37	19°18	8°11	9°48	21°57	25°14	T 19
F 20	13 53 46	0♉18'04	7♎ 5	19°39	25°22	26°48	0°30	18°28	18° 7	20°40	19°18	8° 5	9°45	22° 4	25°10	F 20
S 21	13 57 42	1°16'43	22° 1	21°36	26°33	27°15	0°35	18°31	18°10	20°42	19°17	8° 0	9°42	22°10	25° 7	S 21
S 22	14 1 39	2°15'20	7♏ 9	23°34	27°45	27°43	0°40	18°35	18°12	20°44	19°17	7°55	9°39	22°17	25° 3	S 22
M23	14 5 35	3°13'55	22°19	25°33	28°57	28°10	0°45	18°38	18°15	20°46	19°17	7°53	9°35	22°24	24°59	M23
T 24	14 9 32	4°12'28	7♐21	27°34	0♈ 9	28°38	0°50	18°42	18°18	20°49	19°17	7°D52	9°32	22°30	24°55	T 24
W25	14 13 28	5°11'00	22° 7	29°37	1°21	29° 6	0°55	18°45	18°20	20°51	19°17	7°53	9°29	22°37	24°51	W25
T 26	14 17 25	6° 9'30	6♑33	1♉40	2°33	29°34	0°59	18°48	18°23	20°53	19°16	7°54	9°26	22°44	24°46	T 26
F 27	14 21 22	7° 7'59	20°36	3°45	3°45	0♌ 2	1° 3	18°51	18°26	20°55	19°16	7°55	9°23	22°50	24°42	F 27
S 28	14 25 18	8° 6'25	4♒14	5°51	4°57	0°31	1° 7	18°54	18°29	20°57	19°16	7°R56	9°19	22°57	24°38	S 28
S 29	14 29 15	9° 4'50	17°31	7°58	6° 9	1° 0	1°11	18°57	18°32	21° 0	19°16	7°56	9°16	23° 4	24°34	S 29
M30	14 33 11	10♉ 3'14	0♓27	10♉ 6	7♈21	1♌28	1♒15	19♒ 0	18♊35	21♈ 2	19♑16	7♐54	9♐13	23♉10	24♏30	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	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	4n35	14s11	4n20	7s 2	2s18	11s 0	0s33	24n36	2n32	20s35	0s 7	16s22	0s41	22n53	0n 4	6n21	1s33	22n50	8n18	21s51	22s 2	19n28	16s42	2n39
M 2	4 58	10 3	4 49	6 30	2 21	10 38	0 36	24 31	2 31	20 33	0 7	16 20	0 41	22 53	0 4	6 22	1 33	22 50	8 18	21 50	22 2	19 29	16 41	2 40
T 3	5 21	5 32	5 4	5 57	2 23	10 15	0 39	24 27	2 30	20 32	0 7	16 19	0 42	22 53	0 4	6 23	1 33	22 50	8 18	21 49	22 1	19 30	16 40	2 40
W 4	5 44	0 51	5 3	5 23	2 25	9 51	0 42	24 22	2 28	20 30	0 7	16 18	0 42	22 54	0 4	6 24	1 33	22 50	8 18	21 47	22 1	19 31	16 39	2 41
T 5	6 7	3n47	4 48	4 47	2 26	9 28	0 45	24 17	2 27	20 29	0 7	16 16	0 42	22 54	0 4	6 24	1 33	22 51	8 18	21 46	22 0	19 32	16 37	2 41
F 6	6 30	8 13	4 20	4 11	2 27	9 4	0 48	24 12	2 26	20 27	0 7	16 15	0 42	22 54	0 4	6 25	1 33	22 51	8 18	21 44	22 0	19 33	16 36	2 42
S 7	6 53	12 16	3 40	3 33	2 27	8 40	0 51	24 7	2 25	20 26	0 8	16 14	0 42	22 54	0 4	6 26	1 33	22 51	8 18	21 43	21 59	19 34	16 35	2 42
S 8	7 15	15 47	2 51	2 54	2 27	8 15	0 54	24 2	2 23	20 25	0 8	16 12	0 42	22 54	0 4	6 27	1 33	22 51	8 17	21 42	21 59	19 35	16 34	2 43
M 9	7 38	18 38	1 54	2 14	2 26	7 51	0 57	23 57	2 22	20 23	0 8	16 11	0 42	22 55	0 4	6 28	1 33	22 51	8 17	21 41	21 58	19 36	16 33	2 43
T 10	8 0	20 40	0 53	1 34	2 25	7 26	0 59	23 52	2 21	20 22	0 8	16 10	0 43	22 55	0 4	6 29	1 33	22 51	8 17	21 41	21 58	19 37	16 31	2 44
W11	8 22	21 47	0s10	0 52	2 23	7 1	1 2	23 47	2 20	20 21	0 8	16 8	0 43	22 55	0 4	6 30	1 33	22 51	8 17	21 40	21 57	19 38	16 30	2 44
T 12	8 44	21 57	1 14	0n 9	2 21	6 35	1 5	23 41	2 19	20 19	0 8	16 7	0 43	22 55	0 4	6 30	1 33	22 51	8 17	21 41	21 57	19 39	16 29	2 45
F 13	9 6	21 7	2 15	0n35	2 18	6 10	1 7	23 35	2 17	20 18	0 8	16 6	0 43	22 56	0 4	6 31	1 33	22 51	8 17	21 41	21 57	19 40	16 28	2 45
S 14	9 27	19 17	3 11	1 19	2 15	5 44	1 10	23 30	2 16	20 17	0 9	16 5	0 43	22 56	0 4	6 32	1 33	22 51	8 17	21 41	21 56	19 41	16 26	2 46
S 15	9 49	16 31	3 59	2 5	2 11	5 18	1 12	23 24	2 15	20 16	0 9	16 4	0 43	22 56	0 4	6 33	1 33	22 51	8 16	21 41	21 56	19 42	16 25	2 46
M16	10 10	12 55	4 37	2 51	2 7	4 52	1 14	23 18	2 14	20 15	0 9	16 3	0 43	22 56	0 4	6 34	1 33	22 51	8 16	21 41	21 55	19 43	16 24	2 47
T 17	10 31	8 34	5 2	3 38	2 2	4 26	1 16	23 12	2 13	20 14	0 9	16 2	0 43	22 56	0 4	6 35	1 33	22 51	8 16	21 40	21 55	19 44	16 23	2 47
W18	10 52	3 39	5 11	4 26	1 57	3 59	1 18	23 6	2 12	20 12	0 9	16 0	0 44	22 57	0 4	6 35	1 33	22 51	8 16	21 40	21 54	19 45	16 21	2 48
T 19	11 13	1s38	5 1	5 15	1 51	3 33	1 20	23 0	2 11	20 11	0 9	15 59	0 44	22 57	0 4	6 36	1 33	22 51	8 16	21 39	21 54	19 46	16 20	2 48
F 20	11 34	6 58	4 32	6 4	1 45	3 6	1 22	22 53	2 9	20 10	0 9	15 58	0 44	22 57	0 4	6 37	1 33	22 51	8 16	21 38	21 53	19 47	16 19	2 49
S 21	11 54	12 2	3 44	6 54	1 38	2 39	1 24	22 47	2 8	20 9	0 10	15 57	0 44	22 57	0 4	6 38	1 33	22 51	8 16	21 37	21 53	19 48	16 17	2 49
S 22	12 15	16 24	2 40	7 44	1 31	2 12	1 26	22 41	2 7	20 8	0 10	15 56	0 44	22 58	0 4	6 39	1 33	22 51	8 15	21 36	21 52	19 48	16 16	2 49
M23	12 35	19 41	1 24	8 35	1 23	1 45	1 28	22 34	2 6	20 8	0 10	15 56	0 44	22 58	0 4	6 40	1 33	22 51	8 15	21 36	21 52	19 49	16 14	2 50
T 24	12 54	21 34	0 3	9 26	1 15	1 18	1 29	22 27	2 5	20 7	0 10	15 55	0 44	22 58	0 4	6 40	1 33	22 51	8 15	21 36	21 51	19 50	16 13	2 50
W25	13 14	21 54	1n17	10 17	1 7	0 51	1 31	22 20	2 4	20 6	0 10	15 54	0 45	22 58	0 4	6 41	1 33	22 51	8 15	21 36	21 51	19 51	16 12	2 51
T 26	13 34	20 45	2 31	11 8	0 58	0 24	1 32	22 13	2 3	20 5	0 10	15 53	0 45	22 59	0 4	6 42	1 33	22 51	8 15	21 36	21 50	19 52	16 10	2 51
F 27	13 53	18 20	3 33	12 0	0 48	0n 4	1 33	22 6	2 2	20 4	0 10	15 52	0 45	22 59	0 4	6 43	1 33	22 50	8 15	21 36	21 50	19 53	16 9	2 52
S 28	14 12	14 56	4 21	12 51	0 39	0 31	1 35	21 59	2 1	20 3	0 11	15 51	0 45	22 59	0 4	6 44	1 33	22 50	8 15	21 36	21 49	19 54	16 7	2 52
S 29	14 30	10 53	4 54	13 42	0 29	0 58	1 36	21 52	2 0	20 3	0 11	15 50	0 45	22 59	0 4	6 44	1 33	22 50	8 14	21 36	21 49	19 55	16 6	2 52
M30	14n49	6s26	5n11	14n32	0s18	1n26	1s37	21n44	1n59	20s 2	0s11	15s50	0s45	23n 0	0n 4	6n45	1s33	22n50	8n14	21s36	21s48	19n55	16s 5	2n53

Julian Day Number = 2523953.5, Delta T = 161.29 sec
Ecliptic obliquity = 23°24'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'39, Lahiri = 26°37'39

ASTRODIENST EPHEMERIS for the year 2198
geocentric

MAY 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 37 8	11♉ 1'36	13♓ 6	12♉15	8♈33	1♌57	1♒18	19♒ 3	18♊38	21♈ 4	19°D16	7°R52	9♐10	23♉17	24°R25	T 1
W 2	14 41 4	11°59'56	25°31	14°24	9°46	2°26	1°22	19° 6	18°41	21° 6	19♌16	7♐48	9° 7	23°24	24♏21	W 2
T 3	14 45 1	12°58'15	7♈44	16°33	10°58	2°56	1°25	19° 8	18°44	21° 8	19°16	7°44	9° 4	23°30	24°17	T 3
F 4	14 48 57	13°56'32	19°47	18°43	12°10	3°25	1°28	19°11	18°47	21°10	19°16	7°40	9° 0	23°37	24°12	F 4
S 5	14 52 54	14°54'48	1♉43	20°51	13°22	3°55	1°30	19°13	18°50	21°12	19°16	7°36	8°57	23°44	24° 8	S 5
S 6	14 56 51	15°53'02	13°34	23° 0	14°34	4°24	1°33	19°15	18°53	21°15	19°16	7°34	8°54	23°50	24° 3	S 6
M 7	15 0 47	16°51'14	25°22	25° 7	15°47	4°54	1°36	19°18	18°56	21°17	19°17	7°32	8°51	23°57	23°59	M 7
T 8	15 4 44	17°49'25	7♊ 9	27°13	16°59	5°24	1°38	19°20	18°59	21°19	19°17	7°D31	8°48	24° 3	23°54	T 8
W 9	15 8 40	18°47'33	18°58	29°17	18°11	5°54	1°40	19°22	19° 2	21°21	19°17	7°32	8°45	24°10	23°50	W 9
T 10	15 12 37	19°45'40	0♋51	1♊20	19°23	6°25	1°42	19°24	19° 6	21°23	19°17	7°33	8°41	24°17	23°45	T 10
F 11	15 16 33	20°43'45	12°51	3°21	20°36	6°55	1°43	19°26	19° 9	21°25	19°17	7°34	8°38	24°23	23°41	F 11
S 12	15 20 30	21°41'49	25° 3	5°19	21°48	7°26	1°45	19°27	19°12	21°27	19°18	7°36	8°35	24°30	23°36	S 12
S 13	15 24 26	22°39'50	7♌29	7°15	23° 0	7°56	1°46	19°29	19°15	21°29	19°18	7°37	8°32	24°37	23°32	S 13
M14	15 28 23	23°37'50	20°15	9° 8	24°13	8°27	1°47	19°31	19°19	21°31	19°18	7°R37	8°29	24°43	23°27	M14
T 15	15 32 20	24°35'47	3♍24	10°58	25°25	8°58	1°48	19°32	19°22	21°33	19°19	7°37	8°25	24°50	23°23	T 15
W16	15 36 16	25°33'43	16°59	12°45	26°37	9°29	1°49	19°33	19°25	21°35	19°19	7°36	8°22	24°57	23°18	W16
T 17	15 40 13	26°31'37	1♎ 0	14°30	27°50	10° 0	1°49	19°35	19°28	21°37	19°20	7°35	8°19	25° 3	23°14	T 17
F 18	15 44 9	27°29'29	15°27	16°10	29° 2	10°31	1°50	19°36	19°32	21°39	19°20	7°34	8°16	25°10	23° 9	F 18
S 19	15 48 6	28°27'19	0♏16	17°48	0♉15	11° 3	1°R50	19°37	19°35	21°41	19°21	7°33	8°13	25°17	23° 5	S 19
S 20	15 52 2	29°25'08	15°21	19°22	1°27	11°34	1°50	19°38	19°39	21°43	19°21	7°32	8°10	25°23	23° 0	S 20
M21	15 55 59	0♊22'56	0♐34	20°53	2°39	12° 6	1°50	19°39	19°42	21°45	19°22	7°D32	8° 6	25°30	22°56	M21
T 22	15 59 55	1°20'42	15°44	22°20	3°52	12°37	1°49	19°40	19°45	21°46	19°22	7°32	8° 3	25°37	22°51	T 22
W23	16 3 52	2°18'27	0♑43	23°44	5° 4	13° 9	1°49	19°40	19°49	21°48	19°23	7°32	8° 0	25°43	22°47	W23
T 24	16 7 49	3°16'11	15°23	25° 4	6°17	13°41	1°48	19°41	19°52	21°50	19°23	7°33	7°57	25°50	22°42	T 24
F 25	16 11 45	4°13'53	29°39	26°20	7°29	14°13	1°47	19°42	19°56	21°52	19°24	7°33	7°54	25°56	22°38	F 25
S 26	16 15 42	5°11'34	13♒28	27°33	8°42	14°45	1°46	19°42	19°59	21°54	19°25	7°33	7°51	26° 3	22°34	S 26
S 27	16 19 38	6° 9'15	26°51	28°42	9°54	15°17	1°45	19°42	20° 3	21°55	19°25	7°33	7°47	26°10	22°29	S 27
M28	16 23 35	7° 6'54	9♓49	29°47	11° 7	15°49	1°43	19°42	20° 6	21°57	19°26	7°33	7°44	26°16	22°25	M28
T 29	16 27 31	8° 4'32	22°26	0♋48	12°20	16°22	1°41	19°43	20°10	21°59	19°27	7°33	7°41	26°23	22°21	T 29
W30	16 31 28	9° 2'10	4♈45	1°46	13°32	16°54	1°39	19°R43	20°13	22° 1	19°28	7°33	7°38	26°30	22°17	W30
T 31	16 35 24	9♊59'46	16♈51	2♋39	14♉45	17♌27	1♒37	19♒42	20♊17	22♈ 2	19♌28	7♐34	7♐35	26♉36	22♏12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 7	1s49	5n13	15n22	0s 8	1n53	1s38	21n37	1n58	20s 2	0s11	15s49	0s45	23n 0	0n 4	6n46	1s33	22n50	8n14	21s36	21s48	19n56	16s 3	2n53
W 2	15 25	2n48	4 59	16 11	0n 3	2 21	1 39	21 29	1 57	20 1	0 11	15 48	0 46	23 0	0 4	6 47	1 33	22 50	8 14	21 35	21 48	19 57	16 2	2 54
T 3	15 43	7 14	4 32	16 59	0 13	2 48	1 40	21 22	1 56	20 0	0 11	15 48	0 46	23 0	0 4	6 48	1 33	22 50	8 14	21 34	21 47	19 58	16 0	2 54
F 4	16 0	11 20	3 53	17 45	0 24	3 15	1 41	21 14	1 55	20 0	0 11	15 47	0 46	23 1	0 4	6 48	1 33	22 49	8 14	21 34	21 47	19 59	15 59	2 54
S 5	16 18	14 57	3 5	18 30	0 34	3 43	1 41	21 6	1 54	19 59	0 12	15 46	0 46	23 1	0 4	6 49	1 33	22 49	8 13	21 33	21 46	20 0	15 57	2 55
S 6	16 35	17 56	2 8	19 13	0 45	4 10	1 42	20 58	1 53	19 59	0 12	15 46	0 46	23 1	0 4	6 50	1 34	22 49	8 13	21 33	21 46	20 1	15 56	2 55
M 7	16 51	20 10	1 7	19 55	0 55	4 37	1 43	20 50	1 52	19 59	0 12	15 45	0 46	23 1	0 4	6 51	1 34	22 49	8 13	21 33	21 45	20 1	15 55	2 56
T 8	17 8	21 31	0 2	20 34	1 5	5 5	1 43	20 41	1 51	19 58	0 12	15 45	0 47	23 2	0 4	6 51	1 34	22 49	8 13	21 32	21 45	20 2	15 53	2 56
W 9	17 24	21 55	1s 3	21 11	1 15	5 32	1 43	20 33	1 50	19 58	0 12	15 44	0 47	23 2	0 4	6 52	1 34	22 48	8 13	21 33	21 44	20 3	15 52	2 56
T 10	17 39	21 19	2 6	21 46	1 24	5 59	1 44	20 24	1 49	19 58	0 12	15 44	0 47	23 2	0 4	6 53	1 34	22 48	8 13	21 33	21 44	20 4	15 50	2 57
F 11	17 55	19 45	3 3	22 19	1 32	6 26	1 44	20 16	1 48	19 57	0 13	15 43	0 47	23 3	0 4	6 54	1 34	22 48	8 12	21 33	21 43	20 5	15 49	2 57
S 12	18 10	17 16	3 54	22 49	1 40	6 53	1 44	20 7	1 47	19 57	0 13	15 43	0 47	23 3	0 4	6 54	1 34	22 48	8 12	21 33	21 43	20 5	15 47	2 57
S 13	18 25	13 57	4 35	23 16	1 48	7 19	1 44	19 58	1 46	19 57	0 13	15 43	0 47	23 3	0 4	6 55	1 34	22 48	8 12	21 33	21 42	20 6	15 46	2 58
M14	18 40	9 55	5 3	23 41	1 55	7 46	1 44	19 49	1 45	19 57	0 13	15 42	0 47	23 3	0 4	6 56	1 34	22 47	8 12	21 33	21 42	20 7	15 45	2 58
T 15	18 54	5 20	5 16	24 3	2 1	8 12	1 44	19 40	1 44	19 57	0 13	15 42	0 48	23 4	0 4	6 57	1 34	22 47	8 12	21 33	21 41	20 8	15 43	2 58
W16	19 8	0 20	5 13	24 23	2 6	8 38	1 44	19 31	1 43	19 57	0 13	15 42	0 48	23 4	0 4	6 57	1 34	22 47	8 12	21 33	21 41	20 9	15 42	2 59
T 17	19 21	4s51	4 51	24 40	2 11	9 5	1 44	19 22	1 42	19 57	0 14	15 41	0 48	23 4	0 4	6 58	1 34	22 46	8 12	21 33	21 40	20 9	15 40	2 59
F 18	19 35	9 56	4 11	24 55	2 14	9 30	1 43	19 12	1 41	19 57	0 14	15 41	0 48	23 4	0 4	6 59	1 34	22 46	8 11	21 33	21 40	20 10	15 39	2 59
S 19	19 48	14 34	3 13	25 8	2 17	9 56	1 43	19 3	1 41	19 57	0 14	15 41	0 48	23 5	0 4	6 59	1 34	22 46	8 11	21 33	21 39	20 11	15 38	2 59
S 20	20 0	18 20	2 0	25 18	2 19	10 22	1 43	18 53	1 40	19 57	0 14	15 41	0 48	23 5	0 4	7 0	1 34	22 45	8 11	21 33	21 39	20 12	15 36	3 0
M21	20 12	20 53	0 39	25 26	2 20	10 47	1 42	18 44	1 39	19 58	0 14	15 41	0 49	23 5	0 4	7 1	1 34	22 45	8 11	21 33	21 38	20 12	15 35	3 0
T 22	20 24	21 54	0n45	25 32	2 21	11 12	1 41	18 34	1 38	19 58	0 14	15 40	0 49	23 6	0 4	7 1	1 34	22 45	8 11	21 33	21 38	20 13	15 33	3 0
W23	20 36	21 19	2 5	25 36	2 20	11 37	1 41	18 24	1 37	19 58	0 15	15 40	0 49	23 6	0 4	7 2	1 34	22 45	8 11	21 33	21 37	20 14	15 32	3 0
T 24	20 47	19 17	3 15	25 38	2 19	12 2	1 40	18 14	1 36	19 59	0 15	15 40	0 49	23 6	0 4	7 3	1 34	22 44	8 10	21 33	21 37	20 15	15 31	3 1
F 25	20 58	16 6	4 11	25 38	2 17	12 26	1 39	18 4	1 35	19 59	0 15	15 40	0 49	23 6	0 4	7 3	1 34	22 44	8 10	21 33	21 36	20 15	15 29	3 1
S 26	21 9	12 7	4 50	25 37	2 13	12 50	1 38	17 54	1 34	19 59	0 15	15 40	0 49	23 7	0 4	7 4	1 34	22 43	8 10	21 33	21 36	20 16	15 28	3 1
S 27	21 19	7 39	5 12	25 34	2 9	13 14	1 37	17 43	1 33	20 0	0 15	15 40	0 50	23 7	0 5	7 4	1 34	22 43	8 10	21 33	21 35	20 17	15 27	3 1
M28	21 28	2 58	5 18	25 29	2 4	13 37	1 36	17 33	1 33	20 0	0 15	15 41	0 50	23 7	0 5	7 5	1 34	22 43	8 10	21 33	21 35	20 18	15 26	3 2
T 29	21 38	1n43	5 7	25 23	1 59	14 0	1 35	17 22	1 32	20 1	0 16	15 41	0 50	23 7	0 5	7 6	1 34	22 42	8 10	21 33	21 34	20 18	15 24	3 2
W30	21 47	6 13	4 43	25 16	1 52	14 23	1 34	17 12	1 31	20 1	0 16	15 41	0 50	23 8	0 5	7 6	1 34	22 42	8 10	21 33	21 33	20 19	15 23	3 2
T 31	21n55	10n24	4n 6	25n 7	1n44	14n46	1s33	17n 1	1n30	20s 2	0s16	15s41	0s50	23n 8	0n 5	7n 7	1s34	22n42	8n 9	21s33	21s33	20n20	15s22	3n 2

Julian Day Number = 2523983.5, Delta T = 161.37 sec
Ecliptic obliquity = 23°24'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'43, Lahiri = 26°37'43

ASTRODIENST EPHEMERIS for the year 2198
geocentric

JUNE 2198

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 39 21	10♊57'22	28♈47	3♋29	15♉57	17♌59	1°R35	19°R42	20♊20	22♈ 4	19♌29	7♐34	7♐31	26♉43	22°R 8	F 1
S 2	16 43 18	11°54'56	10♉38	4°14	17°10	18°32	1♒33	19♒42	20°24	22° 5	19°30	7°34	7°28	26°50	22♏ 4	S 2
S 3	16 47 14	12°52'30	22°25	4°55	18°23	19° 5	1°30	19°42	20°27	22° 7	19°31	7°35	7°25	26°56	22° 0	S 3
M 4	16 51 11	13°50'03	4♊12	5°32	19°35	19°38	1°27	19°41	20°31	22° 9	19°32	7°R35	7°22	27° 3	21°56	M 4
T 5	16 55 7	14°47'34	16° 1	6° 4	20°48	20°11	1°24	19°41	20°34	22°10	19°33	7°35	7°19	27°10	21°52	T 5
W 6	16 59 4	15°45'05	27°56	6°32	22° 1	20°44	1°21	19°40	20°38	22°12	19°34	7°34	7°16	27°16	21°48	W 6
T 7	17 3 0	16°42'35	9♋57	6°55	23°13	21°17	1°18	19°39	20°41	22°13	19°35	7°34	7°12	27°23	21°45	T 7
F 8	17 6 57	17°40'03	22° 7	7°14	24°26	21°50	1°14	19°38	20°45	22°15	19°36	7°32	7° 9	27°30	21°41	F 8
S 9	17 10 53	18°37'31	4♌28	7°28	25°39	22°24	1°10	19°37	20°48	22°16	19°37	7°31	7° 6	27°36	21°37	S 9
S 10	17 14 50	19°34'57	17° 3	7°38	26°52	22°57	1° 7	19°36	20°52	22°18	19°38	7°29	7° 3	27°43	21°33	S 10
M11	17 18 47	20°32'22	29°53	7°43	28° 4	23°31	1° 2	19°35	20°55	22°19	19°39	7°28	7° 0	27°50	21°30	M11
T 12	17 22 43	21°29'46	13♍ 2	7°R43	29°17	24° 4	0°58	19°34	20°59	22°20	19°40	7°27	6°56	27°56	21°26	T 12
W13	17 26 40	22°27'09	26°32	7°39	0♊30	24°38	0°54	19°33	21° 3	22°22	19°41	7°D27	6°53	28° 3	21°23	W13
T 14	17 30 36	23°24'31	10♎23	7°31	1°43	25°12	0°49	19°31	21° 6	22°23	19°42	7°28	6°50	28° 9	21°20	T 14
F 15	17 34 33	24°21'52	24°36	7°18	2°55	25°46	0°45	19°30	21°10	22°24	19°43	7°29	6°47	28°16	21°16	F 15
S 16	17 38 29	25°19'12	9♏ 9	7° 2	4° 8	26°19	0°40	19°28	21°13	22°26	19°44	7°30	6°44	28°23	21°13	S 16
S 17	17 42 26	26°16'31	23°58	6°42	5°21	26°53	0°35	19°26	21°17	22°27	19°46	7°31	6°41	28°29	21°10	S 17
M18	17 46 22	27°13'49	8♐58	6°18	6°34	27°28	0°30	19°25	21°20	22°28	19°47	7°R31	6°37	28°36	21° 7	M18
T 19	17 50 19	28°11'06	24° 1	5°51	7°47	28° 2	0°24	19°23	21°24	22°29	19°48	7°31	6°34	28°43	21° 4	T 19
W20	17 54 16	29° 8'23	8♑57	5°22	9° 0	28°36	0°19	19°21	21°27	22°30	19°49	7°29	6°31	28°49	21° 1	W20
T 21	17 58 12	0♋ 5'40	23°40	4°50	10°13	29°10	0°13	19°19	21°31	22°32	19°51	7°27	6°28	28°56	20°58	T 21
F 22	18 2 9	1° 2'55	8♒ 2	4°17	11°26	29°44	0° 8	19°17	21°34	22°33	19°52	7°23	6°25	29° 3	20°55	F 22
S 23	18 6 5	2° 0'11	21°58	3°43	12°38	0♍19	0° 2	19°14	21°38	22°34	19°53	7°20	6°22	29° 9	20°53	S 23
S 24	18 10 2	2°57'26	5♓27	3° 9	13°51	0°53	29♑56	19°12	21°41	22°35	19°55	7°17	6°18	29°16	20°50	S 24
M25	18 13 58	3°54'41	18°31	2°34	15° 4	1°28	29°50	19°10	21°45	22°36	19°56	7°15	6°15	29°23	20°48	M25
T 26	18 17 55	4°51'56	1♈10	2° 1	16°17	2° 3	29°43	19° 7	21°48	22°37	19°57	7°D14	6°12	29°29	20°45	T 26
W27	18 21 51	5°49'11	13°30	1°28	17°30	2°37	29°37	19° 5	21°52	22°38	19°59	7°15	6° 9	29°36	20°43	W27
T 28	18 25 48	6°46'25	25°34	0°58	18°43	3°12	29°31	19° 2	21°55	22°39	20° 0	7°16	6° 6	29°42	20°41	T 28
F 29	18 29 45	7°43'40	7♉28	0°29	19°57	3°47	29°24	18°59	21°59	22°39	20° 2	7°17	6° 2	29°49	20°39	F 29
S 30	18 33 41	8♋40'54	19♉16	0♋ 4	21♊10	4♍22	29♑17	18♒56	22♊ 2	22♈40	20♌ 3	7♐19	5♐59	29♉56	20♏37	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n 4	14n 8	3n19	24n58	1n36	15n 8	1s32	16n50	1n29	20s 3	0s16	15s41	0s50	23n 8	0n 5	7n 7	1s34	22n41	8n 9	21s33	21s32	20n20	15s21	3n 2	F 1
S 2	22 12	17 17	2 24	24 47	1 26	15 30	1 30	16 39	1 28	20 3	0 16	15 41	0 50	23 8	0 5	7 8	1 34	22 41	8 9	21 33	21 32	20 21	15 19	3 3	S 2
S 3	22 19	19 42	1 23	24 36	1 16	15 51	1 29	16 28	1 28	20 4	0 16	15 42	0 51	23 9	0 5	7 9	1 34	22 40	8 9	21 33	21 31	20 22	15 18	3 3	S 3
M 4	22 26	21 16	0 19	24 23	1 5	16 12	1 28	16 17	1 27	20 5	0 17	15 42	0 51	23 9	0 5	7 9	1 35	22 40	8 9	21 33	21 31	20 23	15 17	3 3	M 4
T 5	22 33	21 54	0s47	24 10	0 53	16 33	1 26	16 6	1 26	20 6	0 17	15 42	0 51	23 9	0 5	7 10	1 35	22 40	8 9	21 33	21 30	20 23	15 16	3 3	T 5
W 6	22 39	21 33	1 51	23 56	0 41	16 53	1 24	15 55	1 25	20 7	0 17	15 43	0 51	23 9	0 5	7 10	1 35	22 39	8 9	21 33	21 30	20 24	15 15	3 3	W 6
T 7	22 45	20 13	2 50	23 41	0 28	17 13	1 23	15 43	1 24	20 8	0 17	15 43	0 51	23 10	0 5	7 11	1 35	22 39	8 8	21 33	21 29	20 25	15 14	3 3	T 7
F 8	22 50	17 56	3 43	23 26	0 14	17 33	1 21	15 32	1 23	20 9	0 17	15 44	0 51	23 10	0 5	7 11	1 35	22 38	8 8	21 33	21 29	20 25	15 12	3 4	F 8
S 9	22 56	14 49	4 26	23 11	0s 1	17 52	1 19	15 20	1 23	20 10	0 17	15 44	0 52	23 10	0 5	7 12	1 35	22 38	8 8	21 32	21 28	20 26	15 11	3 4	S 9
S 10	23 0	10 59	4 57	22 55	0 16	18 10	1 18	15 8	1 22	20 11	0 18	15 44	0 52	23 10	0 5	7 12	1 35	22 37	8 8	21 32	21 28	20 27	15 10	3 4	S 10
M11	23 5	6 36	5 14	22 39	0 32	18 28	1 16	14 56	1 21	20 12	0 18	15 45	0 52	23 11	0 5	7 13	1 35	22 37	8 8	21 32	21 27	20 27	15 9	3 4	M11
T 12	23 8	1 48	5 15	22 23	0 49	18 46	1 14	14 45	1 20	20 13	0 18	15 45	0 52	23 11	0 5	7 13	1 35	22 36	8 8	21 32	21 27	20 28	15 8	3 4	T 12
W13	23 12	3s12	4 59	22 6	1 5	19 3	1 12	14 33	1 19	20 14	0 18	15 46	0 52	23 11	0 5	7 14	1 35	22 36	8 8	21 32	21 26	20 29	15 7	3 4	W13
T 14	23 15	8 11	4 26	21 50	1 22	19 20	1 10	14 20	1 19	20 15	0 18	15 47	0 52	23 11	0 5	7 14	1 35	22 35	8 8	21 32	21 26	20 29	15 6	3 4	T 14
F 15	23 18	12 52	3 36	21 34	1 39	19 36	1 8	14 8	1 18	20 16	0 19	15 47	0 53	23 12	0 5	7 14	1 35	22 35	8 8	21 32	21 25	20 30	15 5	3 4	F 15
S 16	23 20	16 54	2 31	21 18	1 56	19 52	1 6	13 56	1 17	20 17	0 19	15 48	0 53	23 12	0 5	7 15	1 35	22 34	8 7	21 32	21 25	20 30	15 4	3 5	S 16
S 17	23 22	19 57	1 14	21 2	2 13	20 7	1 4	13 44	1 16	20 19	0 19	15 49	0 53	23 12	0 5	7 15	1 35	22 34	8 7	21 32	21 24	20 31	15 4	3 5	S 17
M18	23 23	21 38	0n 8	20 46	2 30	20 22	1 2	13 31	1 15	20 20	0 19	15 49	0 53	23 12	0 5	7 16	1 35	22 33	8 7	21 32	21 23	20 32	15 3	3 5	M18
T 19	23 24	21 47	1 30	20 31	2 46	20 36	1 0	13 19	1 15	20 21	0 19	15 50	0 53	23 13	0 5	7 16	1 35	22 33	8 7	21 32	21 23	20 32	15 2	3 5	T 19
W20	23 25	20 22	2 45	20 17	3 2	20 49	0 58	13 6	1 14	20 23	0 19	15 51	0 53	23 13	0 5	7 16	1 35	22 32	8 7	21 32	21 22	20 33	15 1	3 5	W20
T 21	23 25	17 36	3 48	20 3	3 17	21 2	0 56	12 53	1 13	20 24	0 20	15 52	0 53	23 13	0 5	7 17	1 35	22 32	8 7	21 32	21 22	20 33	15 0	3 5	T 21
F 22	23 24	13 49	4 35	19 50	3 31	21 15	0 53	12 41	1 12	20 25	0 20	15 52	0 54	23 13	0 5	7 17	1 35	22 31	8 7	21 31	21 21	20 34	14 59	3 5	F 22
S 23	23 24	9 23	5 4	19 38	3 44	21 27	0 51	12 28	1 12	20 27	0 20	15 53	0 54	23 14	0 5	7 17	1 35	22 31	8 7	21 31	21 21	20 35	14 59	3 5	S 23
S 24	23 23	4 37	5 15	19 27	3 56	21 38	0 49	12 15	1 11	20 28	0 20	15 54	0 54	23 14	0 5	7 18	1 36	22 30	8 7	21 30	21 20	20 35	14 58	3 5	S 24
M25	23 21	0n12	5 9	19 17	4 7	21 48	0 46	12 2	1 10	20 30	0 20	15 55	0 54	23 14	0 5	7 18	1 36	22 30	8 6	21 30	21 20	20 36	14 57	3 5	M25
T 26	23 19	4 52	4 48	19 8	4 16	21 59	0 44	11 49	1 9	20 31	0 20	15 56	0 54	23 14	0 5	7 18	1 36	22 29	8 6	21 30	21 19	20 36	14 57	3 5	T 26
W27	23 17	9 13	4 14	19 0	4 24	22 8	0 42	11 36	1 8	20 33	0 21	15 57	0 54	23 15	0 5	7 19	1 36	22 29	8 6	21 30	21 19	20 37	14 56	3 5	W27
T 28	23 14	13 7	3 30	18 54	4 31	22 17	0 39	11 22	1 8	20 34	0 21	15 58	0 55	23 15	0 5	7 19	1 36	22 28	8 6	21 30	21 18	20 38	14 55	3 5	T 28
F 29	23 11	16 27	2 37	18 49	4 36	22 25	0 37	11 9	1 7	20 36	0 21	15 59	0 55	23 15	0 5	7 19	1 36	22 28	8 6	21 30	21 17	20 38	14 55	3 5	F 29
S 30	23n 8	19n 5	1n38	18n46	4s39	22n33	0s35	10n56	1n 6	20s37	0s21	16s 0	0s55	23n15	0n 5	7n20	1s36	22n27	8n 6	21s30	21s17	20n39	14s54	3n 5	S 30

Julian Day Number = 2524014.5, Delta T = 161.46 sec
Ecliptic obliquity = 23°24'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'47, Lahiri = 26°37'48

ASTRODIENST EPHEMERIS for the year 2198
geocentric

JULY 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 37 38	9♋38'09	1♊ 2	29°R42	22♊23	4♍57	29°R11	18°R54	22♊ 6	22♈41	20♌ 4	7♐20	5♐56	0♊ 2	20°R35	S 1
M 2	18 41 34	10°35'23	12°52	29♊24	23°36	5°32	29♑ 4	18♒51	22° 9	22°42	20° 6	7°R20	5°53	0° 9	20♏33	M 2
T 3	18 45 31	11°32'38	24°47	29°10	24°49	6° 7	28°57	18°48	22°13	22°43	20° 7	7°19	5°50	0°16	20°31	T 3
W 4	18 49 27	12°29'52	6♋50	29° 0	26° 2	6°42	28°50	18°45	22°16	22°43	20° 9	7°16	5°47	0°22	20°29	W 4
T 5	18 53 24	13°27'06	19° 3	28°54	27°15	7°17	28°43	18°41	22°19	22°44	20°10	7°11	5°43	0°29	20°28	T 5
F 6	18 57 21	14°24'20	1♌28	28°D53	28°29	7°53	28°35	18°38	22°23	22°45	20°12	7° 5	5°40	0°36	20°26	F 6
S 7	19 1 17	15°21'34	14° 6	28°58	29°42	8°28	28°28	18°35	22°26	22°45	20°14	6°59	5°37	0°42	20°25	S 7
S 8	19 5 14	16°18'48	26°56	29° 7	0♋55	9° 3	28°21	18°32	22°29	22°46	20°15	6°52	5°34	0°49	20°24	S 8
M 9	19 9 10	17°16'02	10♍ 0	29°21	2° 8	9°39	28°13	18°28	22°33	22°47	20°17	6°47	5°31	0°56	20°23	M 9
T 10	19 13 7	18°13'15	23°18	29°40	3°22	10°14	28° 6	18°25	22°36	22°47	20°18	6°42	5°28	1° 2	20°22	T 10
W11	19 17 3	19°10'28	6♎50	0♋ 4	4°35	10°50	27°58	18°21	22°39	22°48	20°20	6°40	5°24	1° 9	20°21	W11
T 12	19 21 0	20° 7'41	20°37	0°34	5°48	11°26	27°51	18°17	22°42	22°48	20°22	6°D39	5°21	1°16	20°20	T 12
F 13	19 24 56	21° 4'53	4♏39	1° 8	7° 1	12° 1	27°43	18°14	22°46	22°49	20°23	6°40	5°18	1°22	20°19	F 13
S 14	19 28 53	22° 2'06	18°56	1°48	8°15	12°37	27°35	18°10	22°49	22°49	20°25	6°41	5°15	1°29	20°18	S 14
S 15	19 32 50	22°59'19	3♐25	2°32	9°28	13°13	27°28	18° 6	22°52	22°49	20°26	6°R42	5°12	1°35	20°18	S 15
M16	19 36 46	23°56'31	18° 3	3°22	10°42	13°49	27°20	18° 2	22°55	22°50	20°28	6°41	5° 8	1°42	20°17	M16
T 17	19 40 43	24°53'44	2♑46	4°16	11°55	14°25	27°12	17°59	22°58	22°50	20°30	6°39	5° 5	1°49	20°17	T 17
W18	19 44 39	25°50'57	17°26	5°15	13° 8	15° 1	27° 5	17°55	23° 2	22°50	20°32	6°35	5° 2	1°55	20°17	W18
T 19	19 48 36	26°48'10	1♒57	6°19	14°22	15°37	26°57	17°51	23° 5	22°51	20°33	6°28	4°59	2° 2	20°17	T 19
F 20	19 52 32	27°45'23	16°13	7°28	15°35	16°13	26°49	17°47	23° 8	22°51	20°35	6°20	4°56	2° 9	20°D17	F 20
S 21	19 56 29	28°42'37	0♓ 7	8°41	16°49	16°50	26°41	17°43	23°11	22°51	20°37	6°12	4°53	2°15	20°17	S 21
S 22	20 0 25	29°39'51	13°37	9°59	18° 2	17°26	26°34	17°38	23°14	22°51	20°38	6° 4	4°49	2°22	20°17	S 22
M23	20 4 22	0♌37'06	26°42	11°22	19°16	18° 2	26°26	17°34	23°17	22°51	20°40	5°58	4°46	2°29	20°17	M23
T 24	20 8 19	1°34'22	9♈23	12°48	20°29	18°39	26°18	17°30	23°20	22°51	20°42	5°53	4°43	2°35	20°17	T 24
W25	20 12 15	2°31'38	21°44	14°19	21°43	19°15	26°11	17°26	23°23	22°51	20°44	5°51	4°40	2°42	20°18	W25
T 26	20 16 12	3°28'56	3♉49	15°54	22°57	19°52	26° 3	17°22	23°26	22°R51	20°45	5°D50	4°37	2°49	20°19	T 26
F 27	20 20 8	4°26'14	15°43	17°33	24°10	20°28	25°55	17°17	23°29	22°51	20°47	5°51	4°34	2°55	20°19	F 27
S 28	20 24 5	5°23'33	27°31	19°16	25°24	21° 5	25°48	17°13	23°31	22°51	20°49	5°52	4°30	3° 2	20°20	S 28
S 29	20 28 1	6°20'53	9♊19	21° 2	26°38	21°41	25°40	17° 9	23°34	22°51	20°51	5°R52	4°27	3° 8	20°21	S 29
M30	20 31 58	7°18'13	21°11	22°52	27°51	22°18	25°33	17° 4	23°37	22°51	20°53	5°51	4°24	3°15	20°22	M30
T 31	20 35 54	8♌15'35	3♋13	24♋44	29♋ 5	22♍55	25♑25	17♒ 0	23♊40	22♈51	20♌54	5♐47	4♐21	3♊22	20♏23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	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	23n 4	20n54	0n34	18n44	4s41	22n40	0s32	10n42	1n 5	20s39	0s21	16s 1	0s55	23n15	0n 5	7n20	1s36	22n27	8n 6	21s31	21s16	20n39	14s54	3n 5
M 2	22 59	21 49	0s30	18 43	4 42	22 46	0 30	10 29	1 5	20 40	0 21	16 2	0 55	23 16	0 5	7 20	1 36	22 26	8 6	21 31	21 16	20 40	14 53	3 5
T 3	22 55	21 45	1 34	18 44	4 41	22 51	0 27	10 15	1 4	20 42	0 22	16 3	0 55	23 16	0 5	7 20	1 36	22 25	8 6	21 30	21 15	20 40	14 53	3 5
W 4	22 50	20 40	2 34	18 46	4 39	22 56	0 25	10 1	1 3	20 44	0 22	16 4	0 55	23 16	0 5	7 20	1 36	22 25	8 6	21 30	21 15	20 41	14 52	3 5
T 5	22 44	18 38	3 28	18 49	4 35	23 1	0 22	9 48	1 2	20 45	0 22	16 5	0 56	23 16	0 5	7 21	1 36	22 24	8 6	21 29	21 14	20 41	14 52	3 5
F 6	22 38	15 42	4 13	18 54	4 30	23 4	0 20	9 34	1 2	20 47	0 22	16 6	0 56	23 16	0 5	7 21	1 36	22 24	8 6	21 28	21 14	20 42	14 51	3 5
S 7	22 32	12 1	4 46	19 0	4 24	23 7	0 17	9 20	1 1	20 48	0 22	16 7	0 56	23 17	0 5	7 21	1 36	22 23	8 6	21 27	21 13	20 42	14 51	3 5
S 8	22 25	7 44	5 6	19 7	4 17	23 10	0 15	9 6	1 0	20 50	0 22	16 9	0 56	23 17	0 5	7 21	1 36	22 23	8 6	21 26	21 12	20 43	14 51	3 5
M 9	22 18	3 2	5 10	19 15	4 9	23 11	0 12	8 52	1 0	20 52	0 23	16 10	0 56	23 17	0 5	7 21	1 36	22 22	8 5	21 25	21 12	20 43	14 50	3 5
T 10	22 10	1s54	4 57	19 24	4 0	23 12	0 10	8 38	0 59	20 53	0 23	16 11	0 56	23 17	0 5	7 22	1 36	22 22	8 5	21 24	21 11	20 44	14 50	3 5
W11	22 3	6 49	4 28	19 34	3 51	23 13	0 7	8 24	0 58	20 55	0 23	16 12	0 56	23 17	0 5	7 22	1 37	22 21	8 5	21 24	21 11	20 44	14 50	3 5
T 12	21 54	11 30	3 44	19 44	3 40	23 12	0 5	8 9	0 57	20 57	0 23	16 14	0 56	23 18	0 5	7 22	1 37	22 20	8 5	21 24	21 10	20 45	14 50	3 5
F 13	21 46	15 39	2 45	19 55	3 29	23 11	0 2	7 55	0 57	20 58	0 23	16 15	0 57	23 18	0 5	7 22	1 37	22 20	8 5	21 24	21 10	20 45	14 50	3 5
S 14	21 37	18 57	1 35	20 7	3 17	23 10	0n 0	7 41	0 56	21 0	0 23	16 16	0 57	23 18	0 5	7 22	1 37	22 19	8 5	21 24	21 9	20 46	14 49	3 5
S 15	21 27	21 6	0 18	20 18	3 5	23 7	0 3	7 26	0 55	21 2	0 23	16 17	0 57	23 18	0 5	7 22	1 37	22 19	8 5	21 24	21 9	20 46	14 49	3 5
M16	21 18	21 52	1n 1	20 30	2 52	23 4	0 5	7 12	0 55	21 3	0 24	16 19	0 57	23 18	0 5	7 22	1 37	22 18	8 5	21 24	21 8	20 47	14 49	3 5
T 17	21 8	21 7	2 16	20 42	2 39	23 0	0 8	6 57	0 54	21 5	0 24	16 20	0 57	23 19	0 5	7 22	1 37	22 18	8 5	21 24	21 7	20 47	14 49	3 5
W18	20 57	18 57	3 22	20 53	2 26	22 56	0 10	6 43	0 53	21 7	0 24	16 21	0 57	23 19	0 5	7 22	1 37	22 17	8 5	21 23	21 7	20 48	14 49	3 5
T 19	20 46	15 35	4 13	21 4	2 12	22 51	0 12	6 28	0 52	21 8	0 24	16 23	0 57	23 19	0 5	7 22	1 37	22 16	8 5	21 22	21 6	20 48	14 49	3 5
F 20	20 35	11 22	4 48	21 14	1 58	22 45	0 15	6 13	0 52	21 10	0 24	16 24	0 57	23 19	0 5	7 22	1 37	22 16	8 5	21 21	21 6	20 49	14 49	3 5
S 21	20 24	6 39	5 5	21 24	1 44	22 39	0 17	5 59	0 51	21 11	0 24	16 25	0 58	23 19	0 5	7 22	1 37	22 15	8 5	21 19	21 5	20 49	14 49	3 5
S 22	20 12	1 45	5 4	21 32	1 30	22 31	0 20	5 44	0 50	21 13	0 24	16 27	0 58	23 19	0 5	7 22	1 37	22 15	8 5	21 18	21 5	20 50	14 49	3 5
M23	20 0	3n 5	4 47	21 40	1 16	22 24	0 22	5 29	0 50	21 15	0 25	16 28	0 58	23 20	0 5	7 22	1 37	22 14	8 5	21 17	21 4	20 50	14 49	3 5
T 24	19 47	7 38	4 16	21 46	1 2	22 15	0 24	5 14	0 49	21 16	0 25	16 29	0 58	23 20	0 5	7 22	1 37	22 13	8 5	21 16	21 3	20 51	14 50	3 5
W25	19 34	11 46	3 34	21 50	0 49	22 6	0 27	4 59	0 48	21 18	0 25	16 31	0 58	23 20	0 5	7 22	1 37	22 13	8 5	21 15	21 3	20 51	14 50	3 5
T 26	19 21	15 20	2 43	21 53	0 35	21 56	0 29	4 44	0 47	21 19	0 25	16 32	0 58	23 20	0 5	7 22	1 37	22 12	8 5	21 15	21 2	20 51	14 50	3 5
F 27	19 8	18 13	1 46	21 54	0 22	21 46	0 31	4 29	0 47	21 21	0 25	16 34	0 58	23 20	0 5	7 22	1 37	22 12	8 5	21 15	21 2	20 52	14 50	3 5
S 28	18 54	20 19	0 45	21 53	0 9	21 35	0 33	4 14	0 46	21 22	0 25	16 35	0 58	23 20	0 5	7 22	1 38	22 11	8 5	21 16	21 1	20 52	14 50	3 5
S 29	18 40	21 31	0s19	21 49	0n 3	21 23	0 36	3 59	0 45	21 24	0 25	16 36	0 58	23 21	0 5	7 22	1 38	22 11	8 5	21 16	21 0	20 53	14 51	3 5
M30	18 25	21 46	1 21	21 44	0 15	21 11	0 38	3 44	0 45	21 25	0 25	16 38	0 59	23 21	0 5	7 22	1 38	22 10	8 5	21 15	21 0	20 53	14 51	3 5
T 31	18n11	21n 2	2s21	21n35	0n27	20n58	0n40	3n29	0n44	21s27	0s26	16s39	0s59	23n21	0n 5	7n22	1s38	22n 9	8n 5	21s15	20s59	20n53	14s51	3n 5

Julian Day Number = 2524044.5, Delta T = 161.54 sec
Ecliptic obliquity = 23°24'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'51, Lahiri = 26°37'52

ASTRODIENST EPHEMERIS for the year 2198
geocentric

AUGUST 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 39 51	9♌12'58	15♋25	26♋40	0♌19	23♍32	25°R18	16°R56	23♊43	22°R51	20♌56	5°R41	4♐18	3♊28	20♏24	W 1
T 2	20 43 48	10°10'21	27°53	28°37	1°33	24° 9	25♉11	16♒51	23°45	22♈51	20°58	5♐33	4°14	3°35	20°26	T 2
F 3	20 47 44	11° 7'45	10♌35	0♌37	2°46	24°46	25° 4	16°47	23°48	22°50	21° 0	5°23	4°11	3°42	20°27	F 3
S 4	20 51 41	12° 5'10	23°33	2°38	4° 0	25°23	24°56	16°42	23°51	22°50	21° 2	5°12	4° 8	3°48	20°29	S 4
S 5	20 55 37	13° 2'36	6♍45	4°41	5°14	26° 0	24°49	16°38	23°53	22°50	21° 4	5° 1	4° 5	3°55	20°30	S 5
M 6	20 59 34	14° 0'03	20°10	6°45	6°28	26°37	24°42	16°33	23°56	22°49	21° 5	4°51	4° 2	4° 2	20°32	M 6
T 7	21 3 30	14°57'30	3♎45	8°49	7°42	27°14	24°36	16°29	23°58	22°49	21° 7	4°43	3°59	4° 8	20°34	T 7
W 8	21 7 27	15°54'58	17°31	10°54	8°56	27°52	24°29	16°24	24° 1	22°49	21° 9	4°37	3°55	4°15	20°36	W 8
T 9	21 11 23	16°52'26	1♏24	12°59	10°10	28°29	24°22	16°20	24° 3	22°48	21°11	4°35	3°52	4°22	20°38	T 9
F 10	21 15 20	17°49'56	15°24	15° 4	11°24	29° 6	24°16	16°16	24° 6	22°48	21°13	4°D34	3°49	4°28	20°40	F 10
S 11	21 19 17	18°47'26	29°32	17° 8	12°38	29°44	24° 9	16°11	24° 8	22°47	21°15	4°R34	3°46	4°35	20°42	S 11
S 12	21 23 13	19°44'57	13♐44	19°12	13°52	0♎21	24° 3	16° 7	24°11	22°47	21°16	4°34	3°43	4°42	20°45	S 12
M13	21 27 10	20°42'28	28° 1	21°15	15° 6	0°59	23°57	16° 2	24°13	22°46	21°18	4°32	3°40	4°48	20°47	M13
T 14	21 31 6	21°40'01	12♑19	23°16	16°20	1°37	23°51	15°58	24°15	22°46	21°20	4°28	3°36	4°55	20°50	T 14
W15	21 35 3	22°37'34	26°35	25°17	17°34	2°14	23°45	15°53	24°17	22°45	21°22	4°21	3°33	5° 1	20°52	W15
T 16	21 38 59	23°35'09	10♒44	27°17	18°48	2°52	23°39	15°49	24°20	22°44	21°24	4°12	3°30	5° 8	20°55	T 16
F 17	21 42 56	24°32'44	24°41	29°15	20° 2	3°30	23°33	15°45	24°22	22°44	21°26	4° 1	3°27	5°15	20°58	F 17
S 18	21 46 52	25°30'21	8♓22	1♍13	21°16	4° 8	23°28	15°40	24°24	22°43	21°28	3°49	3°24	5°21	21° 1	S 18
S 19	21 50 49	26°27'58	21°43	3° 8	22°30	4°46	23°22	15°36	24°26	22°42	21°29	3°37	3°20	5°28	21° 4	S 19
M20	21 54 46	27°25'38	4♈42	5° 3	23°44	5°24	23°17	15°31	24°28	22°42	21°31	3°27	3°17	5°35	21° 7	M20
T 21	21 58 42	28°23'18	17°21	6°56	24°58	6° 2	23°12	15°27	24°30	22°41	21°33	3°20	3°14	5°41	21°10	T 21
W22	22 2 39	29°21'01	29°40	8°48	26°12	6°40	23° 7	15°23	24°32	22°40	21°35	3°15	3°11	5°48	21°13	W22
T 23	22 6 35	0♍18'44	11♉45	10°38	27°27	7°18	23° 2	15°19	24°34	22°39	21°37	3°12	3° 8	5°55	21°17	T 23
F 24	22 10 32	1°16'30	23°39	12°27	28°41	7°56	22°58	15°14	24°36	22°38	21°39	3°11	3° 5	6° 1	21°20	F 24
S 25	22 14 28	2°14'17	5♊28	14°14	29°55	8°34	22°53	15°10	24°38	22°37	21°40	3°11	3° 1	6° 8	21°24	S 25
S 26	22 18 25	3°12'06	17°17	16° 0	1♍ 9	9°12	22°49	15° 6	24°39	22°36	21°42	3°11	2°58	6°15	21°28	S 26
M27	22 22 21	4° 9'56	29°11	17°45	2°24	9°51	22°45	15° 2	24°41	22°35	21°44	3° 9	2°55	6°21	21°31	M27
T 28	22 26 18	5° 7'49	11♋17	19°28	3°38	10°29	22°41	14°58	24°43	22°34	21°46	3° 5	2°52	6°28	21°35	T 28
W29	22 30 15	6° 5'42	23°37	21°10	4°52	11° 8	22°37	14°54	24°44	22°33	21°48	2°59	2°49	6°34	21°39	W29
T 30	22 34 11	7° 3'38	6♌15	22°51	6° 7	11°46	22°33	14°50	24°46	22°32	21°49	2°50	2°46	6°41	21°43	T 30
F 31	22 38 8	8♍ 1'35	19♌12	24♍30	7♍21	12♎25	22♉30	14♒46	24♊48	22♈31	21♌51	2♐39	2♐42	6♊48	21♏47	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n56	19n18	3s15	21n25	0n37	20n45	0n42	3n14	0n43	21s28	0s26	16s41	0s59	23n21	0n 5	7n22	1s38	22n 9	8n 5	21s14	20s59	20n54	14s52	3n 4
T 2	17 40	16 38	4 1	21 11	0 47	20 31	0 44	2 58	0 43	21 30	0 26	16 42	0 59	23 21	0 5	7 22	1 38	22 8	8 5	21 12	20 58	20 54	14 52	3 4
F 3	17 25	13 9	4 35	20 55	0 57	20 16	0 46	2 43	0 42	21 31	0 26	16 44	0 59	23 21	0 5	7 21	1 38	22 8	8 5	21 11	20 58	20 55	14 53	3 4
S 4	17 9	8 59	4 57	20 36	1 5	20 1	0 48	2 28	0 41	21 33	0 26	16 45	0 59	23 21	0 5	7 21	1 38	22 7	8 5	21 9	20 57	20 55	14 53	3 4
S 5	16 53	4 20	5 3	20 15	1 13	19 45	0 50	2 13	0 41	21 34	0 26	16 46	0 59	23 21	0 5	7 21	1 38	22 7	8 5	21 7	20 56	20 55	14 54	3 4
M 6	16 36	0s35	4 52	19 51	1 20	19 28	0 52	1 57	0 40	21 35	0 26	16 48	0 59	23 22	0 5	7 21	1 38	22 6	8 5	21 5	20 56	20 56	14 54	3 4
T 7	16 20	5 33	4 25	19 25	1 26	19 11	0 54	1 42	0 39	21 37	0 26	16 49	0 59	23 22	0 5	7 21	1 38	22 5	8 5	21 3	20 55	20 56	14 55	3 4
W 8	16 3	10 18	3 43	18 56	1 31	18 54	0 56	1 26	0 39	21 38	0 26	16 51	0 59	23 22	0 5	7 21	1 38	22 5	8 5	21 2	20 55	20 56	14 55	3 4
T 9	15 46	14 33	2 46	18 25	1 35	18 36	0 57	1 11	0 38	21 39	0 27	16 52	0 59	23 22	0 5	7 20	1 38	22 4	8 5	21 2	20 54	20 57	14 56	3 4
F 10	15 28	18 2	1 40	17 53	1 39	18 17	0 59	0 55	0 37	21 41	0 27	16 54	1 0	23 22	0 5	7 20	1 38	22 4	8 6	21 2	20 53	20 57	14 56	3 4
S 11	15 11	20 28	0 27	17 18	1 42	17 58	1 1	0 40	0 37	21 42	0 27	16 55	1 0	23 22	0 5	7 20	1 38	22 3	8 6	21 2	20 53	20 58	14 57	3 4
S 12	14 53	21 37	0n49	16 42	1 44	17 39	1 2	0 24	0 36	21 43	0 27	16 56	1 0	23 22	0 5	7 20	1 38	22 3	8 6	21 2	20 52	20 58	14 58	3 4
M13	14 34	21 23	2 1	16 4	1 45	17 19	1 4	0 9	0 35	21 44	0 27	16 58	1 0	23 22	0 5	7 19	1 38	22 2	8 6	21 1	20 52	20 58	14 58	3 4
T 14	14 16	19 45	3 6	15 24	1 46	16 58	1 5	0s 7	0 35	21 45	0 27	16 59	1 0	23 23	0 5	7 19	1 38	22 2	8 6	21 1	20 51	20 59	14 59	3 4
W15	13 57	16 54	3 59	14 44	1 45	16 37	1 7	0 22	0 34	21 46	0 27	17 1	1 0	23 23	0 5	7 19	1 39	22 1	8 6	20 59	20 50	20 59	15 0	3 4
T 16	13 39	13 5	4 37	14 2	1 45	16 15	1 8	0 38	0 33	21 47	0 27	17 2	1 0	23 23	0 5	7 19	1 39	22 0	8 6	20 58	20 50	20 59	15 1	3 4
F 17	13 20	8 36	4 57	13 20	1 43	15 54	1 10	0 53	0 33	21 48	0 27	17 3	1 0	23 23	0 5	7 18	1 39	22 0	8 6	20 56	20 49	21 0	15 2	3 3
S 18	13 0	3 47	5 0	12 37	1 41	15 31	1 11	1 9	0 32	21 49	0 27	17 5	1 0	23 23	0 5	7 18	1 39	21 59	8 6	20 53	20 49	21 0	15 2	3 3
S 19	12 41	1n 6	4 46	11 53	1 39	15 8	1 12	1 25	0 31	21 50	0 27	17 6	1 0	23 23	0 5	7 18	1 39	21 59	8 6	20 51	20 48	21 0	15 3	3 3
M20	12 21	5 49	4 18	11 8	1 36	14 45	1 14	1 40	0 31	21 51	0 27	17 7	1 0	23 23	0 5	7 17	1 39	21 58	8 6	20 49	20 47	21 0	15 4	3 3
T 21	12 1	10 9	3 38	10 23	1 32	14 21	1 15	1 56	0 30	21 52	0 28	17 9	1 0	23 23	0 5	7 17	1 39	21 58	8 6	20 48	20 47	21 1	15 5	3 3
W22	11 41	13 57	2 48	9 38	1 28	13 57	1 16	2 12	0 29	21 53	0 28	17 10	1 0	23 23	0 5	7 17	1 39	21 57	8 7	20 47	20 46	21 1	15 6	3 3
T 23	11 21	17 6	1 51	8 52	1 24	13 33	1 17	2 27	0 29	21 54	0 28	17 11	1 0	23 23	0 5	7 16	1 39	21 57	8 7	20 46	20 46	21 1	15 7	3 3
F 24	11 1	19 29	0 50	8 6	1 19	13 8	1 18	2 43	0 28	21 55	0 28	17 13	1 0	23 24	0 5	7 16	1 39	21 56	8 7	20 46	20 45	21 2	15 8	3 3
S 25	10 40	21 0	0s12	7 20	1 14	12 43	1 19	2 59	0 27	21 56	0 28	17 14	1 1	23 24	0 5	7 15	1 39	21 56	8 7	20 46	20 44	21 2	15 9	3 3
S 26	10 19	21 35	1 14	6 34	1 8	12 17	1 20	3 14	0 27	21 57	0 28	17 15	1 1	23 24	0 5	7 15	1 39	21 55	8 7	20 46	20 44	21 2	15 10	3 3
M27	9 58	21 11	2 13	5 48	1 2	11 52	1 20	3 30	0 26	21 57	0 28	17 16	1 1	23 24	0 6	7 15	1 39	21 55	8 7	20 46	20 43	21 2	15 11	3 3
T 28	9 37	19 50	3 7	5 2	0 56	11 25	1 21	3 46	0 25	21 58	0 28	17 18	1 1	23 24	0 6	7 14	1 39	21 54	8 7	20 45	20 42	21 3	15 12	3 3
W29	9 16	17 31	3 53	4 16	0 50	10 59	1 22	4 1	0 25	21 59	0 28	17 19	1 1	23 24	0 6	7 14	1 39	21 54	8 7	20 44	20 42	21 3	15 13	3 3
T 30	8 55	14 20	4 29	3 30	0 43	10 32	1 22	4 17	0 24	21 59	0 28	17 20	1 1	23 24	0 6	7 13	1 39	21 53	8 7	20 42	20 41	21 3	15 14	3 3
F 31	8n33	10n24	4s53	2n44	0n36	10n 5	1n23	4s33	0n23	22s 0	0s28	17s21	1s 1	23n24	0n 6	7n13	1s39	21n53	8n 8	20s40	20s41	21n 3	15s15	3n 3

Julian Day Number = 2524075.5, Delta T = 161.62 sec
Ecliptic obliquity = 23°24'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°30'56, Lahiri = 26°37'56

ASTRODIENST EPHEMERIS for the year 2198
geocentric

SEPTEMBER 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 42 4	8♍59'34	2♍29	26♍ 8	8♍35	13♎ 4	22°R27	14°R42	24♊49	22°R30	21♌53	2°R26	2♐39	6♊54	21♏52	S 1
S 2	22 46 1	9°57'34	16° 4	27°45	9°50	13°42	22♑24	14♒38	24°51	22♈29	21°55	2♐14	2°36	7° 1	21°56	S 2
M 3	22 49 57	10°55'36	29°54	29°20	11° 4	14°21	22°21	14°34	24°52	22°28	21°57	2° 3	2°33	7° 8	22° 0	M 3
T 4	22 53 54	11°53'40	13♎55	0♎54	12°19	15° 0	22°18	14°31	24°53	22°27	21°58	1°54	2°30	7°14	22° 5	T 4
W 5	22 57 50	12°51'44	28° 2	2°27	13°33	15°39	22°16	14°27	24°55	22°26	22° 0	1°48	2°26	7°21	22° 9	W 5
T 6	23 1 47	13°49'51	12♏12	3°59	14°47	16°18	22°13	14°23	24°56	22°24	22° 2	1°45	2°23	7°28	22°14	T 6
F 7	23 5 43	14°47'59	26°22	5°29	16° 2	16°57	22°11	14°20	24°57	22°23	22° 4	1°D44	2°20	7°34	22°19	F 7
S 8	23 9 40	15°46'08	10♐31	6°58	17°16	17°36	22° 9	14°16	24°58	22°22	22° 5	1°R44	2°17	7°41	22°23	S 8
S 9	23 13 37	16°44'18	24°37	8°26	18°31	18°15	22° 7	14°13	24°59	22°21	22° 7	1°43	2°14	7°48	22°28	S 9
M10	23 17 33	17°42'31	8♑40	9°53	19°45	18°54	22° 6	14°10	25° 0	22°19	22° 9	1°42	2°11	7°54	22°33	M10
T 11	23 21 30	18°40'44	22°38	11°18	21° 0	19°33	22° 4	14° 6	25° 2	22°18	22°10	1°38	2° 7	8° 1	22°38	T 11
W12	23 25 26	19°38'59	6♒29	12°42	22°14	20°12	22° 3	14° 3	25° 2	22°17	22°12	1°32	2° 4	8° 7	22°44	W12
T 13	23 29 23	20°37'15	20°13	14° 4	23°29	20°52	22° 2	14° 0	25° 3	22°15	22°14	1°23	2° 1	8°14	22°49	T 13
F 14	23 33 19	21°35'33	3♓45	15°25	24°44	21°31	22° 1	13°57	25° 4	22°14	22°15	1°12	1°58	8°21	22°54	F 14
S 15	23 37 16	22°33'53	17° 4	16°45	25°58	22°11	22° 1	13°54	25° 5	22°13	22°17	1° 1	1°55	8°27	22°59	S 15
S 16	23 41 12	23°32'15	0♈ 7	18° 3	27°13	22°50	22° 0	13°51	25° 6	22°11	22°19	0°49	1°51	8°34	23° 5	S 16
M17	23 45 9	24°30'38	12°54	19°20	28°27	23°30	22° 0	13°48	25° 7	22°10	22°20	0°40	1°48	8°41	23°10	M17
T 18	23 49 6	25°29'03	25°24	20°35	29°42	24° 9	22°D 0	13°45	25° 7	22° 8	22°22	0°32	1°45	8°47	23°16	T 18
W19	23 53 2	26°27'31	7♉38	21°49	0♎56	24°49	22° 0	13°43	25° 8	22° 7	22°24	0°27	1°42	8°54	23°21	W19
T 20	23 56 59	27°26'00	19°40	23° 0	2°11	25°29	22° 0	13°40	25° 8	22° 5	22°25	0°25	1°39	9° 1	23°27	T 20
F 21	0 0 55	28°24'32	1♊33	24°10	3°26	26° 8	22° 1	13°38	25° 9	22° 4	22°27	0°D24	1°36	9° 7	23°33	F 21
S 22	0 4 52	29°23'05	13°21	25°18	4°40	26°48	22° 2	13°35	25° 9	22° 2	22°28	0°25	1°32	9°14	23°39	S 22
S 23	0 8 48	0♎21'41	25° 9	26°24	5°55	27°28	22° 3	13°33	25°10	22° 1	22°30	0°R25	1°29	9°21	23°45	S 23
M24	0 12 45	1°20'20	7♋ 4	27°28	7°10	28° 8	22° 4	13°31	25°10	21°59	22°31	0°25	1°26	9°27	23°51	M24
T 25	0 16 41	2°19'00	19°10	28°30	8°24	28°48	22° 5	13°28	25°11	21°58	22°33	0°24	1°23	9°34	23°57	T 25
W26	0 20 38	3°17'42	1♌32	29°29	9°39	29°28	22° 7	13°26	25°11	21°56	22°34	0°20	1°20	9°41	24° 3	W26
T 27	0 24 35	4°16'27	14°14	0♏25	10°54	0♏ 8	22° 8	13°24	25°11	21°55	22°36	0°14	1°17	9°47	24° 9	T 27
F 28	0 28 31	5°15'14	27°19	1°18	12° 8	0°49	22°10	13°22	25°11	21°53	22°37	0° 6	1°13	9°54	24°15	F 28
S 29	0 32 28	6°14'03	10♍49	2° 9	13°23	1°29	22°12	13°21	25°11	21°52	22°39	29♏58	1°10	10° 0	24°21	S 29
S 30	0 36 24	7♎12'54	24♍41	2♏56	14♎38	2♏ 9	22♑14	13♒19	25°R11	21♈50	22♌40	29♏49	1♐ 7	10♊ 7	24♏28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	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	8n11	5n54	5s 1	1n59	0n29	9n38	1n23	4s48	0n23	22s 1	0s28	17s22	1s 1	23n24	0n 6	7n13	1s39	21n52	8n 8	20s38	20s40	21n 4	15s16	3n 3
S 2	7 50	1 0	4 52	1 14	0 22	9 10	1 24	5 4	0 22	22 1	0 28	17 24	1 1	23 24	0 6	7 12	1 39	21 52	8 8	20 35	20 39	21 4	15 17	3 3
M 3	7 28	4s 2	4 26	0 29	0 15	8 42	1 24	5 19	0 21	22 2	0 28	17 25	1 1	23 24	0 6	7 12	1 39	21 51	8 8	20 33	20 39	21 4	15 18	3 3
T 4	7 6	8 56	3 44	0s15	0 7	8 14	1 24	5 35	0 21	22 2	0 28	17 26	1 1	23 24	0 6	7 11	1 39	21 51	8 8	20 31	20 38	21 4	15 20	3 2
W 5	6 43	13 23	2 48	0 59	0s 1	7 46	1 25	5 51	0 20	22 3	0 28	17 27	1 1	23 25	0 6	7 11	1 40	21 51	8 8	20 30	20 38	21 5	15 21	3 2
T 6	6 21	17 5	1 42	1 43	0 9	7 17	1 25	6 6	0 19	22 3	0 29	17 28	1 1	23 25	0 6	7 10	1 40	21 50	8 8	20 29	20 37	21 5	15 22	3 2
F 7	5 59	19 47	0 28	2 26	0 17	6 48	1 25	6 22	0 19	22 3	0 29	17 29	1 1	23 25	0 6	7 10	1 40	21 50	8 9	20 29	20 36	21 5	15 23	3 2
S 8	5 36	21 14	0n47	3 9	0 25	6 19	1 25	6 37	0 18	22 4	0 29	17 30	1 1	23 25	0 6	7 9	1 40	21 49	8 9	20 29	20 36	21 5	15 24	3 2
S 9	5 14	21 20	1 58	3 51	0 33	5 50	1 25	6 53	0 17	22 4	0 29	17 31	1 1	23 25	0 6	7 9	1 40	21 49	8 9	20 29	20 35	21 5	15 26	3 2
M10	4 51	20 5	3 3	4 32	0 41	5 21	1 25	7 8	0 17	22 4	0 29	17 32	1 1	23 25	0 6	7 8	1 40	21 48	8 9	20 29	20 34	21 6	15 27	3 2
T 11	4 28	17 38	3 56	5 13	0 49	4 52	1 25	7 24	0 16	22 5	0 29	17 33	1 1	23 25	0 6	7 8	1 40	21 48	8 9	20 28	20 34	21 6	15 28	3 2
W12	4 6	14 12	4 34	5 54	0 57	4 22	1 24	7 39	0 16	22 5	0 29	17 34	1 1	23 25	0 6	7 7	1 40	21 48	8 9	20 27	20 33	21 6	15 30	3 2
T 13	3 43	10 2	4 57	6 33	1 6	3 52	1 24	7 54	0 15	22 5	0 29	17 35	1 1	23 25	0 6	7 7	1 40	21 47	8 10	20 25	20 33	21 6	15 31	3 2
F 14	3 20	5 26	5 2	7 12	1 14	3 22	1 24	8 10	0 14	22 5	0 29	17 36	1 1	23 25	0 6	7 6	1 40	21 47	8 10	20 23	20 32	21 6	15 32	3 2
S 15	2 57	0 38	4 51	7 51	1 22	2 52	1 23	8 25	0 14	22 5	0 29	17 37	1 1	23 25	0 6	7 6	1 40	21 46	8 10	20 20	20 31	21 7	15 34	3 2
S 16	2 34	4n 5	4 24	8 28	1 31	2 22	1 23	8 40	0 13	22 6	0 29	17 38	1 1	23 25	0 6	7 5	1 40	21 46	8 10	20 18	20 31	21 7	15 35	3 2
M17	2 11	8 32	3 45	9 5	1 39	1 52	1 22	8 55	0 12	22 6	0 29	17 38	1 1	23 25	0 6	7 4	1 40	21 46	8 10	20 16	20 30	21 7	15 36	3 2
T 18	1 48	12 32	2 55	9 41	1 47	1 22	1 22	9 11	0 12	22 6	0 29	17 39	1 1	23 25	0 6	7 4	1 40	21 45	8 11	20 14	20 29	21 7	15 38	3 2
W19	1 24	15 55	1 59	10 16	1 55	0 52	1 21	9 26	0 11	22 6	0 29	17 40	1 1	23 25	0 6	7 3	1 40	21 45	8 11	20 13	20 29	21 7	15 39	3 2
T 20	1 1	18 33	0 57	10 50	2 3	0 22	1 20	9 41	0 10	22 6	0 29	17 41	1 1	23 25	0 6	7 3	1 40	21 45	8 11	20 13	20 28	21 7	15 41	3 2
F 21	0 38	20 21	0s 6	11 23	2 11	0s 9	1 19	9 56	0 10	22 6	0 29	17 42	1 1	23 25	0 6	7 2	1 40	21 44	8 11	20 13	20 27	21 8	15 42	3 2
S 22	0 15	21 14	1 9	11 56	2 18	0 39	1 18	10 11	0 9	22 6	0 29	17 42	1 1	23 25	0 6	7 2	1 40	21 44	8 11	20 13	20 27	21 8	15 43	3 2
S 23	0s 9	21 11	2 9	12 27	2 26	1 10	1 18	10 26	0 8	22 5	0 29	17 43	1 1	23 25	0 6	7 1	1 40	21 44	8 12	20 13	20 26	21 8	15 45	3 2
M24	0 32	20 10	3 4	12 57	2 33	1 40	1 17	10 41	0 8	22 5	0 29	17 44	1 1	23 25	0 6	7 0	1 40	21 43	8 12	20 13	20 25	21 8	15 46	3 2
T 25	0 55	18 14	3 51	13 25	2 40	2 10	1 16	10 55	0 7	22 5	0 29	17 44	1 1	23 25	0 6	7 0	1 40	21 43	8 12	20 13	20 25	21 8	15 48	3 2
W26	1 19	15 25	4 29	13 53	2 47	2 41	1 14	11 10	0 7	22 5	0 29	17 45	1 1	23 25	0 6	6 59	1 40	21 43	8 12	20 12	20 24	21 8	15 49	3 2
T 27	1 42	11 50	4 55	14 19	2 54	3 11	1 13	11 25	0 6	22 5	0 29	17 45	1 1	23 25	0 6	6 59	1 40	21 43	8 12	20 11	20 24	21 8	15 51	3 2
F 28	2 5	7 36	5 6	14 44	3 0	3 41	1 12	11 40	0 5	22 4	0 29	17 46	1 1	23 25	0 6	6 58	1 40	21 42	8 13	20 9	20 23	21 8	15 52	3 2
S 29	2 28	2 52	5 1	15 7	3 6	4 11	1 11	11 54	0 5	22 4	0 29	17 46	1 1	23 25	0 6	6 57	1 40	21 42	8 13	20 7	20 22	21 8	15 54	3 2
S 30	2s52	2s 9	4s38	15s28	3s12	4s42	1n 9	12s 9	0n 4	22s 4	0s29	17s47	1s 1	23n25	0n 6	6n57	1s40	21n42	8n13	20s 5	20s22	21n 9	15s55	3n 2

Julian Day Number = 2524106.5, Delta T = 161.70 sec
Ecliptic obliquity = 23°24'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°31'00, Lahiri = 26°38'00

ASTRODIENST EPHEMERIS for the year 2198
geocentric

OCTOBER 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 40 21	8♎11'47	8♎52	3♏39	15♎52	2♏50	22♑17	13°R17	25°R11	21°R48	22♌41	29°R40	1♐ 4	10♊14	24♏34	M 1
T 2	0 44 17	9°10'42	23°17	4°19	17° 7	3°30	22°20	13♒16	25♊11	21♈47	22°43	29♏34	1° 1	10°20	24°40	T 2
W 3	0 48 14	10° 9'39	7♏50	4°54	18°22	4°11	22°22	13°14	25°11	21°45	22°44	29°30	0°57	10°27	24°47	W 3
T 4	0 52 10	11° 8'38	22°25	5°24	19°37	4°51	22°25	13°13	25°11	21°43	22°45	29°28	0°54	10°34	24°54	T 4
F 5	0 56 7	12° 7'39	6♐56	5°50	20°51	5°32	22°29	13°12	25°11	21°42	22°47	29°D28	0°51	10°40	25° 0	F 5
S 6	1 0 3	13° 6'41	21°18	6° 9	22° 6	6°12	22°32	13°10	25°10	21°40	22°48	29°29	0°48	10°47	25° 7	S 6
S 7	1 4 0	14° 5'46	5♑30	6°23	23°21	6°53	22°36	13° 9	25°10	21°38	22°49	29°30	0°45	10°54	25°14	S 7
M 8	1 7 57	15° 4'52	19°30	6°31	24°36	7°34	22°39	13° 8	25°10	21°37	22°51	29°R30	0°42	11° 0	25°20	M 8
T 9	1 11 53	16° 4'00	3♒17	6°R32	25°50	8°15	22°43	13° 7	25° 9	21°35	22°52	29°29	0°38	11° 7	25°27	T 9
W10	1 15 50	17° 3'09	16°51	6°25	27° 5	8°56	22°47	13° 7	25° 9	21°33	22°53	29°26	0°35	11°14	25°34	W10
T 11	1 19 46	18° 2'20	0♓13	6°11	28°20	9°37	22°52	13° 6	25° 8	21°32	22°54	29°20	0°32	11°20	25°41	T 11
F 12	1 23 43	19° 1'33	13°22	5°49	29°35	10°18	22°56	13° 5	25° 8	21°30	22°55	29°14	0°29	11°27	25°48	F 12
S 13	1 27 39	20° 0'48	26°17	5°19	0♏49	10°59	23° 1	13° 5	25° 7	21°28	22°57	29° 7	0°26	11°33	25°55	S 13
S 14	1 31 36	21° 0'05	9♈ 0	4°40	2° 4	11°40	23° 6	13° 5	25° 6	21°27	22°58	29° 0	0°22	11°40	26° 2	S 14
M15	1 35 32	21°59'23	21°29	3°54	3°19	12°21	23°11	13° 4	25° 6	21°25	22°59	28°55	0°19	11°47	26° 9	M15
T 16	1 39 29	22°58'44	3♉46	3° 0	4°34	13° 2	23°16	13° 4	25° 5	21°23	23° 0	28°50	0°16	11°53	26°16	T 16
W17	1 43 26	23°58'07	15°52	1°59	5°48	13°43	23°21	13°D 4	25° 4	21°22	23° 1	28°48	0°13	12° 0	26°23	W17
T 18	1 47 22	24°57'32	27°49	0°53	7° 3	14°25	23°27	13° 4	25° 3	21°20	23° 2	28°D47	0°10	12° 7	26°31	T 18
F 19	1 51 19	25°56'59	9♊39	29♎42	8°18	15° 6	23°32	13° 4	25° 2	21°18	23° 3	28°47	0° 7	12°13	26°38	F 19
S 20	1 55 15	26°56'29	21°26	28°29	9°33	15°48	23°38	13° 4	25° 1	21°17	23° 4	28°49	0° 3	12°20	26°45	S 20
S 21	1 59 12	27°56'00	3♋14	27°15	10°47	16°29	23°44	13° 5	25° 0	21°15	23° 5	28°51	0° 0	12°27	26°52	S 21
M22	2 3 8	28°55'34	15° 8	26° 3	12° 2	17°11	23°50	13° 5	24°59	21°13	23° 6	28°52	29♏57	12°33	27° 0	M22
T 23	2 7 5	29°55'11	27°12	24°55	13°17	17°52	23°56	13° 6	24°58	21°12	23° 7	28°R53	29°54	12°40	27° 7	T 23
W24	2 11 1	0♏54'49	9♌32	23°52	14°32	18°34	24° 3	13° 6	24°57	21°10	23° 8	28°53	29°51	12°47	27°15	W24
T 25	2 14 58	1°54'30	22°12	22°58	15°47	19°16	24°10	13° 7	24°56	21° 9	23° 9	28°51	29°48	12°53	27°22	T 25
F 26	2 18 55	2°54'13	5♍15	22°12	17° 1	19°58	24°16	13° 8	24°55	21° 7	23° 9	28°48	29°44	13° 0	27°30	F 26
S 27	2 22 51	3°53'58	18°45	21°37	18°16	20°40	24°23	13° 9	24°53	21° 5	23°10	28°45	29°41	13° 7	27°37	S 27
S 28	2 26 48	4°53'45	2♎42	21°12	19°31	21°22	24°30	13°10	24°52	21° 4	23°11	28°41	29°38	13°13	27°45	S 28
M29	2 30 44	5°53'34	17° 3	20°59	20°46	22° 4	24°38	13°11	24°51	21° 2	23°12	28°38	29°35	13°20	27°52	M29
T 30	2 34 41	6°53'26	1♏44	20°D58	22° 1	22°46	24°45	13°12	24°49	21° 0	23°12	28°36	29°32	13°26	28° 0	T 30
W31	2 38 37	7♏53'20	16♏38	21♎ 7	23♏15	23♏28	24♑53	13♒14	24♊48	20♈59	23♌13	28♏34	29♏28	13♊33	28♏ 8	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s15	7s10	3s58	15s48	3s17	5s12	1n 8	12s23	0n 3	22s 3	0s29	17s47	1s 1	23n26	0n 6	6n56	1s40	21n41	8n13	20s 3	20s21	21n 9	15s57	3n 2
T 2	3 38	11 52	3 2	16 6	3 21	5 41	1 7	12 37	0 3	22 3	0 29	17 48	1 1	23 26	0 6	6 56	1 40	21 41	8 14	20 2	20 20	21 9	15 58	3 2
W 3	4 1	15 54	1 54	16 22	3 25	6 11	1 5	12 52	0 2	22 2	0 29	17 48	1 1	23 26	0 6	6 55	1 40	21 41	8 14	20 1	20 20	21 9	16 0	3 2
T 4	4 24	18 58	0 38	16 35	3 29	6 41	1 4	13 6	0 2	22 2	0 29	17 49	1 1	23 26	0 6	6 54	1 40	21 41	8 14	20 1	20 19	21 9	16 1	3 2
F 5	4 47	20 47	0n40	16 46	3 31	7 11	1 2	13 20	0 1	22 1	0 29	17 49	1 1	23 26	0 6	6 54	1 40	21 41	8 14	20 1	20 18	21 9	16 3	3 2
S 6	5 10	21 12	1 55	16 54	3 33	7 40	1 0	13 34	0 0	22 1	0 29	17 49	1 1	23 26	0 6	6 53	1 40	21 40	8 15	20 1	20 18	21 9	16 4	3 2
S 7	5 33	20 15	3 3	17 0	3 34	8 9	0 59	13 48	0s 0	22 0	0 29	17 50	1 1	23 26	0 6	6 52	1 40	21 40	8 15	20 1	20 17	21 9	16 6	3 2
M 8	5 56	18 4	3 58	17 2	3 34	8 38	0 57	14 2	0 1	22 0	0 29	17 50	1 1	23 26	0 6	6 52	1 40	21 40	8 15	20 1	20 16	21 9	16 7	3 2
T 9	6 19	14 53	4 38	17 1	3 32	9 7	0 55	14 16	0 1	21 59	0 29	17 50	1 1	23 26	0 6	6 51	1 40	21 40	8 15	20 1	20 16	21 9	16 9	3 2
W10	6 41	10 57	5 2	16 57	3 30	9 36	0 53	14 29	0 2	21 58	0 30	17 50	1 1	23 26	0 6	6 51	1 40	21 40	8 16	20 0	20 15	21 9	16 11	3 2
T 11	7 4	6 33	5 10	16 48	3 26	10 4	0 51	14 43	0 3	21 58	0 30	17 50	1 1	23 26	0 6	6 50	1 40	21 39	8 16	19 59	20 14	21 9	16 12	3 3
F 12	7 27	1 54	5 1	16 36	3 21	10 32	0 49	14 57	0 3	21 57	0 30	17 51	1 1	23 26	0 6	6 49	1 40	21 39	8 16	19 58	20 14	21 9	16 14	3 3
S 13	7 49	2n45	4 36	16 19	3 14	11 0	0 47	15 10	0 4	21 56	0 30	17 51	1 1	23 26	0 6	6 49	1 40	21 39	8 16	19 56	20 13	21 9	16 15	3 3
S 14	8 11	7 13	3 58	15 58	3 5	11 28	0 45	15 23	0 5	21 55	0 30	17 51	1 1	23 26	0 6	6 48	1 40	21 39	8 17	19 55	20 12	21 9	16 17	3 3
M15	8 33	11 18	3 9	15 32	2 54	11 56	0 43	15 36	0 5	21 55	0 30	17 51	1 1	23 26	0 6	6 47	1 40	21 39	8 17	19 54	20 12	21 10	16 18	3 3
T 16	8 55	14 50	2 12	15 2	2 42	12 23	0 41	15 50	0 6	21 54	0 30	17 51	1 1	23 25	0 6	6 47	1 40	21 39	8 17	19 53	20 11	21 10	16 20	3 3
W17	9 17	17 41	1 10	14 28	2 28	12 50	0 39	16 3	0 6	21 53	0 30	17 51	1 1	23 25	0 6	6 46	1 40	21 39	8 17	19 52	20 10	21 10	16 21	3 3
T 18	9 39	19 44	0 5	13 49	2 12	13 16	0 37	16 15	0 7	21 52	0 30	17 51	1 1	23 25	0 6	6 46	1 40	21 39	8 18	19 52	20 10	21 10	16 23	3 3
F 19	10 1	20 54	0s59	13 8	1 54	13 42	0 35	16 28	0 8	21 51	0 30	17 51	1 1	23 25	0 6	6 45	1 40	21 39	8 18	19 52	20 9	21 10	16 25	3 3
S 20	10 22	21 7	2 1	12 25	1 35	14 8	0 32	16 41	0 8	21 50	0 30	17 51	1 1	23 25	0 6	6 44	1 40	21 38	8 18	19 52	20 8	21 10	16 26	3 3
S 21	10 44	20 24	2 58	11 40	1 16	14 34	0 30	16 53	0 9	21 49	0 30	17 51	1 1	23 25	0 6	6 44	1 40	21 38	8 19	19 53	20 8	21 10	16 28	3 3
M22	11 5	18 47	3 48	10 54	0 55	14 59	0 28	17 6	0 9	21 48	0 30	17 50	1 1	23 25	0 6	6 43	1 40	21 38	8 19	19 53	20 7	21 10	16 29	3 3
T 23	11 26	16 19	4 28	10 10	0 34	15 24	0 26	17 18	0 10	21 47	0 30	17 50	1 1	23 25	0 6	6 42	1 40	21 38	8 19	19 53	20 6	21 10	16 31	3 3
W24	11 47	13 4	4 57	9 28	0 14	15 49	0 23	17 30	0 11	21 46	0 30	17 50	1 1	23 25	0 6	6 42	1 40	21 38	8 19	19 53	20 6	21 10	16 33	3 4
T 25	12 7	9 10	5 13	8 49	0n 6	16 13	0 21	17 42	0 11	21 45	0 30	17 50	1 1	23 25	0 6	6 41	1 40	21 38	8 20	19 53	20 5	21 10	16 34	3 4
F 26	12 28	4 43	5 13	8 15	0 25	16 36	0 18	17 54	0 12	21 44	0 30	17 49	1 1	23 25	0 6	6 41	1 40	21 38	8 20	19 52	20 4	21 10	16 36	3 4
S 27	12 48	0s 6	4 56	7 45	0 43	16 59	0 16	18 6	0 12	21 42	0 30	17 49	1 1	23 25	0 6	6 40	1 40	21 38	8 20	19 52	20 4	21 9	16 37	3 4
S 28	13 8	5 4	4 21	7 21	0 59	17 22	0 14	18 17	0 13	21 41	0 30	17 49	1 1	23 25	0 6	6 39	1 40	21 38	8 21	19 51	20 3	21 9	16 39	3 4
M29	13 28	9 55	3 29	7 3	1 14	17 45	0 11	18 29	0 14	21 40	0 30	17 49	1 1	23 25	0 6	6 39	1 40	21 38	8 21	19 50	20 2	21 9	16 40	3 4
T 30	13 48	14 18	2 23	6 50	1 27	18 7	0 9	18 40	0 14	21 38	0 30	17 48	1 0	23 25	0 6	6 38	1 40	21 38	8 21	19 49	20 2	21 9	16 42	3 4
W31	14s 7	17s50	1s 5	6s43	1n38	18s28	0n 6	18s51	0s15	21s37	0s30	17s48	1s 0	23n25	0n 6	6n38	1s40	21n38	8n21	19s49	20s 1	21n 9	16s43	3n 4

Julian Day Number = 2524136.5, Delta T = 161.78 sec
Ecliptic obliquity = 23°24'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°31'04, Lahiri = 26°38'04

ASTRODIENST EPHEMERIS for the year 2198
geocentric

NOVEMBER 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 42 34	8♏53'15	1♐37	21♎27	24♏30	24♏10	25♑ 0	13♒15	24°R46	20°R57	23♌14	28°D34	29♏25	13♊40	28♏15	T 1
F 2	2 46 30	9°53'12	16°32	21°57	25°45	24°52	25° 8	13°17	24♊45	20♈56	23°14	28♏34	29°22	13°46	28°23	F 2
S 3	2 50 27	10°53'12	1♑17	22°36	27° 0	25°35	25°16	13°18	24°43	20°54	23°15	28°36	29°19	13°53	28°31	S 3
S 4	2 54 24	11°53'12	15°46	23°23	28°15	26°17	25°24	13°20	24°41	20°53	23°16	28°37	29°16	14° 0	28°38	S 4
M 5	2 58 20	12°53'14	29°55	24°18	29°29	26°59	25°32	13°22	24°40	20°51	23°16	28°38	29°13	14° 6	28°46	M 5
T 6	3 2 17	13°53'18	13♒43	25°19	0♐44	27°42	25°41	13°24	24°38	20°50	23°17	28°R38	29° 9	14°13	28°54	T 6
W 7	3 6 13	14°53'23	27°12	26°25	1°59	28°24	25°49	13°26	24°36	20°48	23°17	28°38	29° 6	14°20	29° 2	W 7
T 8	3 10 10	15°53'30	10♓21	27°37	3°14	29° 7	25°58	13°28	24°34	20°47	23°18	28°37	29° 3	14°26	29°10	T 8
F 9	3 14 6	16°53'38	23°13	28°53	4°28	29°50	26° 7	13°30	24°32	20°45	23°18	28°35	29° 0	14°33	29°17	F 9
S 10	3 18 3	17°53'48	5♈50	0♏12	5°43	0♐32	26°16	13°32	24°31	20°44	23°19	28°34	28°57	14°40	29°25	S 10
S 11	3 21 59	18°54'00	18°14	1°34	6°58	1°15	26°25	13°35	24°29	20°42	23°19	28°32	28°54	14°46	29°33	S 11
M12	3 25 56	19°54'13	0♉27	2°59	8°13	1°58	26°34	13°37	24°27	20°41	23°19	28°31	28°50	14°53	29°41	M12
T 13	3 29 53	20°54'28	12°31	4°26	9°28	2°41	26°43	13°40	24°25	20°39	23°20	28°30	28°47	15° 0	29°49	T 13
W14	3 33 49	21°54'44	24°28	5°55	10°42	3°24	26°53	13°43	24°23	20°38	23°20	28°D30	28°44	15° 6	29°57	W14
T 15	3 37 46	22°55'02	6♊19	7°25	11°57	4° 7	27° 2	13°45	24°21	20°37	23°20	28°30	28°41	15°13	0♐ 5	T 15
F 16	3 41 42	23°55'22	18° 7	8°57	13°12	4°50	27°12	13°48	24°19	20°35	23°21	28°30	28°38	15°20	0°13	F 16
S 17	3 45 39	24°55'44	29°55	10°29	14°27	5°33	27°22	13°51	24°16	20°34	23°21	28°31	28°34	15°26	0°20	S 17
S 18	3 49 35	25°56'08	11♋45	12° 2	15°41	6°16	27°32	13°54	24°14	20°33	23°21	28°31	28°31	15°33	0°28	S 18
M19	3 53 32	26°56'33	23°40	13°36	16°56	6°59	27°42	13°58	24°12	20°31	23°21	28°32	28°28	15°40	0°36	M19
T 20	3 57 28	27°57'00	5♌44	15°10	18°11	7°42	27°52	14° 1	24°10	20°30	23°21	28°32	28°25	15°46	0°44	T 20
W21	4 1 25	28°57'29	18° 2	16°45	19°26	8°26	28° 2	14° 4	24° 8	20°29	23°22	28°R32	28°22	15°53	0°52	W21
T 22	4 5 22	29°58'00	0♍37	18°19	20°40	9° 9	28°13	14° 8	24° 5	20°28	23°22	28°D32	28°19	15°59	1° 0	T 22
F 23	4 9 18	0♐58'33	13°34	19°54	21°55	9°52	28°23	14°11	24° 3	20°26	23°22	28°32	28°15	16° 6	1° 8	F 23
S 24	4 13 15	1°59'07	26°55	21°29	23°10	10°36	28°34	14°15	24° 1	20°25	23°R22	28°32	28°12	16°13	1°16	S 24
S 25	4 17 11	2°59'43	10♎44	23° 4	24°25	11°19	28°44	14°18	23°59	20°24	23°22	28°32	28° 9	16°19	1°24	S 25
M26	4 21 8	4° 0'21	24°59	24°39	25°39	12° 3	28°55	14°22	23°56	20°23	23°22	28°33	28° 6	16°26	1°32	M26
T 27	4 25 4	5° 1'01	9♏39	26°14	26°54	12°47	29° 6	14°26	23°54	20°22	23°22	28°33	28° 3	16°33	1°40	T 27
W28	4 29 1	6° 1'42	24°39	27°49	28° 9	13°30	29°17	14°30	23°51	20°21	23°21	28°R34	28° 0	16°39	1°48	W28
T 29	4 32 57	7° 2'24	9♐50	29°24	29°24	14°14	29°28	14°34	23°49	20°20	23°21	28°33	27°56	16°46	1°56	T 29
F 30	4 36 54	8♐ 3'08	25♐ 3	0♐59	0♑38	14♐58	29♑40	14♒38	23♊47	20♈19	23♌21	28♏33	27♏53	16♊53	2♐ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	14s27	20s11	0n17	6s42	1n47	18s49	0n 4	19s 2	0s15	21s36	0s30	17s47	1s 0	23n25	0n 6	6n37	1s40	21n38	8n22	19s49	20s 0	21n 9	16s45	3n 4	T 1
F 2	14 46	21 7	1 38	6 46	1 55	19 9	0 1	19 13	0 16	21 34	0 30	17 47	1 0	23 25	0 6	6 37	1 40	21 38	8 22	19 49	20 0	21 9	16 47	3 5	F 2
S 3	15 5	20 33	2 51	6 54	2 1	19 29	0s 1	19 24	0 17	21 33	0 30	17 46	1 0	23 25	0 6	6 36	1 40	21 39	8 22	19 49	19 59	21 9	16 48	3 5	S 3
S 4	15 23	18 38	3 53	7 7	2 6	19 49	0 4	19 35	0 17	21 31	0 30	17 46	1 0	23 25	0 7	6 35	1 40	21 39	8 23	19 50	19 58	21 9	16 50	3 5	S 4
M 5	15 41	15 37	4 38	7 24	2 9	20 7	0 6	19 45	0 18	21 30	0 30	17 45	1 0	23 25	0 7	6 35	1 40	21 39	8 23	19 50	19 57	21 9	16 51	3 5	M 5
T 6	15 59	11 47	5 6	7 44	2 12	20 26	0 9	19 55	0 18	21 28	0 30	17 45	1 0	23 25	0 7	6 34	1 40	21 39	8 23	19 50	19 57	21 9	16 53	3 5	T 6
W 7	16 17	7 28	5 17	8 8	2 12	20 43	0 11	20 5	0 19	21 27	0 30	17 44	1 0	23 25	0 7	6 34	1 40	21 39	8 24	19 50	19 56	21 9	16 54	3 5	W 7
T 8	16 35	2 53	5 10	8 33	2 12	21 0	0 14	20 15	0 20	21 25	0 30	17 43	1 0	23 25	0 7	6 33	1 40	21 39	8 24	19 50	19 55	21 9	16 56	3 6	T 8
F 9	16 52	1n43	4 48	9 1	2 11	21 17	0 17	20 25	0 20	21 24	0 30	17 43	1 0	23 25	0 7	6 33	1 40	21 39	8 24	19 49	19 55	21 9	16 57	3 6	F 9
S 10	17 9	6 11	4 13	9 31	2 9	21 33	0 19	20 35	0 21	21 22	0 30	17 42	1 0	23 24	0 7	6 32	1 40	21 39	8 25	19 49	19 54	21 9	16 59	3 6	S 10
S 11	17 25	10 18	3 26	10 2	2 7	21 48	0 22	20 44	0 21	21 20	0 30	17 41	1 0	23 24	0 7	6 32	1 40	21 40	8 25	19 49	19 53	21 8	17 0	3 6	S 11
M12	17 42	13 57	2 30	10 34	2 3	22 3	0 24	20 53	0 22	21 19	0 30	17 41	1 0	23 24	0 7	6 31	1 40	21 40	8 25	19 48	19 53	21 8	17 2	3 6	M12
T 13	17 58	16 58	1 28	11 7	2 0	22 17	0 27	21 2	0 22	21 17	0 30	17 40	1 0	23 24	0 7	6 31	1 40	21 40	8 25	19 48	19 52	21 8	17 3	3 6	T 13
W14	18 13	19 14	0 22	11 40	1 55	22 30	0 29	21 11	0 23	21 15	0 30	17 39	1 0	23 24	0 7	6 30	1 40	21 40	8 26	19 48	19 51	21 8	17 5	3 7	W14
T 15	18 29	20 38	0s43	12 14	1 50	22 43	0 32	21 20	0 24	21 13	0 30	17 38	1 0	23 24	0 7	6 30	1 40	21 40	8 26	19 48	19 51	21 8	17 6	3 7	T 15
F 16	18 44	21 6	1 47	12 48	1 45	22 55	0 34	21 28	0 24	21 11	0 30	17 37	1 0	23 24	0 7	6 29	1 40	21 40	8 26	19 48	19 50	21 8	17 7	3 7	F 16
S 17	18 59	20 39	2 46	13 22	1 40	23 7	0 37	21 37	0 25	21 9	0 30	17 36	1 0	23 24	0 7	6 29	1 40	21 41	8 27	19 48	19 49	21 8	17 9	3 7	S 17
S 18	19 13	19 16	3 38	13 57	1 34	23 18	0 39	21 45	0 25	21 7	0 30	17 35	1 0	23 24	0 7	6 28	1 40	21 41	8 27	19 48	19 48	21 8	17 10	3 7	S 18
M19	19 27	17 3	4 21	14 31	1 28	23 28	0 42	21 53	0 26	21 6	0 30	17 35	1 0	23 24	0 7	6 28	1 40	21 41	8 27	19 49	19 48	21 8	17 12	3 8	M19
T 20	19 41	14 4	4 53	15 4	1 21	23 37	0 44	22 0	0 26	21 4	0 30	17 34	1 0	23 24	0 7	6 27	1 40	21 41	8 28	19 49	19 47	21 7	17 13	3 8	T 20
W21	19 54	10 26	5 13	15 38	1 15	23 46	0 46	22 8	0 27	21 1	0 30	17 33	1 0	23 24	0 7	6 27	1 40	21 42	8 28	19 49	19 46	21 7	17 15	3 8	W21
T 22	20 7	6 17	5 18	16 10	1 8	23 54	0 49	22 15	0 28	20 59	0 30	17 32	1 0	23 24	0 7	6 27	1 40	21 42	8 28	19 49	19 46	21 7	17 16	3 8	T 22
F 23	20 20	1 43	5 7	16 43	1 1	24 1	0 51	22 22	0 28	20 57	0 30	17 31	1 0	23 23	0 7	6 26	1 40	21 42	8 29	19 49	19 45	21 7	17 17	3 8	F 23
S 24	20 32	3s 4	4 40	17 14	0 55	24 8	0 53	22 29	0 29	20 55	0 30	17 29	1 0	23 23	0 7	6 26	1 40	21 42	8 29	19 49	19 44	21 7	17 19	3 9	S 24
S 25	20 44	7 52	3 56	17 45	0 48	24 13	0 56	22 36	0 29	20 53	0 30	17 28	1 0	23 23	0 7	6 25	1 40	21 43	8 29	19 49	19 44	21 7	17 20	3 9	S 25
M26	20 56	12 24	2 56	18 15	0 41	24 18	0 58	22 42	0 30	20 51	0 30	17 27	1 0	23 23	0 7	6 25	1 40	21 43	8 30	19 49	19 43	21 6	17 21	3 9	M26
T 27	21 7	16 19	1 43	18 45	0 34	24 23	1 0	22 48	0 30	20 49	0 30	17 26	1 0	23 23	0 7	6 25	1 40	21 43	8 30	19 49	19 42	21 6	17 23	3 9	T 27
W28	21 17	19 16	0 22	19 13	0 27	24 26	1 2	22 54	0 31	20 46	0 30	17 25	1 0	23 23	0 7	6 24	1 40	21 44	8 30	19 49	19 41	21 6	17 24	3 10	W28
T 29	21 28	20 52	1n 2	19 41	0 20	24 29	1 5	23 0	0 31	20 44	0 30	17 24	1 0	23 23	0 7	6 24	1 40	21 44	8 30	19 49	19 41	21 6	17 25	3 10	T 29
F 30	21s38	20s57	2n22	20s 7	0n13	24s31	1s 7	23s 6	0s32	20s42	0s31	17s23	1s 0	23n23	0n 7	6n23	1s40	21n44	8n31	19s49	19s40	21n 6	17s27	3n10	F 30

Julian Day Number = 2524167.5, Delta T = 161.86 sec
Ecliptic obliquity = 23°24'44, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°31'08, Lahiri = 26°38'09

ASTRODIENST EPHEMERIS for the year 2198
geocentric

DECEMBER 2198 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 51	9♐ 3'54	10♑ 8	2♐34	1♑53	15♐42	29♑51	14♒42	23°R44	20°R18	23°R21	28°R32	27♏50	16♊59	2♐11	S 1
S 2	4 44 47	10° 4'40	24°57	4° 8	3° 8	16°26	0♒ 2	14°47	23♊42	20♈17	23♌21	28♏30	27°47	17° 6	2°19	S 2
M 3	4 48 44	11° 5'27	9♒23	5°43	4°22	17°10	0°14	14°51	23°39	20°16	23°21	28°29	27°44	17°13	2°27	M 3
T 4	4 52 40	12° 6'15	23°23	7°18	5°37	17°54	0°25	14°55	23°37	20°15	23°20	28°28	27°40	17°19	2°35	T 4
W 5	4 56 37	13° 7'04	6♓56	8°52	6°52	18°38	0°37	15° 0	23°34	20°14	23°20	28°D27	27°37	17°26	2°43	W 5
T 6	5 0 33	14° 7'54	20° 4	10°26	8° 6	19°22	0°49	15° 5	23°32	20°13	23°20	28°27	27°34	17°33	2°51	T 6
F 7	5 4 30	15° 8'45	2♈50	12° 1	9°21	20° 6	1° 1	15° 9	23°29	20°13	23°19	28°28	27°31	17°39	2°58	F 7
S 8	5 8 26	16° 9'37	15°17	13°35	10°36	20°51	1°13	15°14	23°27	20°12	23°19	28°29	27°28	17°46	3° 6	S 8
S 9	5 12 23	17°10'29	27°29	15° 9	11°50	21°35	1°25	15°19	23°24	20°11	23°19	28°31	27°25	17°53	3°14	S 9
M10	5 16 20	18°11'22	9♉31	16°43	13° 5	22°19	1°37	15°24	23°22	20°10	23°18	28°32	27°21	17°59	3°22	M10
T 11	5 20 16	19°12'16	21°25	18°17	14°20	23° 4	1°49	15°29	23°19	20°10	23°18	28°33	27°18	18° 6	3°29	T 11
W12	5 24 13	20°13'11	3♊15	19°52	15°34	23°48	2° 1	15°34	23°17	20° 9	23°17	28°R33	27°15	18°13	3°37	W12
T 13	5 28 9	21°14'07	15° 3	21°26	16°49	24°33	2°13	15°39	23°14	20° 8	23°17	28°32	27°12	18°19	3°45	T 13
F 14	5 32 6	22°15'04	26°52	23° 0	18° 3	25°17	2°26	15°44	23°11	20° 8	23°16	28°30	27° 9	18°26	3°52	F 14
S 15	5 36 2	23°16'02	8♋43	24°35	19°18	26° 2	2°38	15°49	23° 9	20° 7	23°16	28°26	27° 6	18°32	4° 0	S 15
S 16	5 39 59	24°17'00	20°38	26° 9	20°33	26°46	2°51	15°54	23° 6	20° 7	23°15	28°22	27° 2	18°39	4° 8	S 16
M17	5 43 55	25°18'00	2♌40	27°44	21°47	27°31	3° 3	16° 0	23° 4	20° 6	23°14	28°17	26°59	18°46	4°15	M17
T 18	5 47 52	26°19'00	14°50	29°18	23° 2	28°16	3°16	16° 5	23° 1	20° 6	23°14	28°12	26°56	18°52	4°23	T 18
W19	5 51 49	27°20'02	27°12	0♑53	24°16	29° 1	3°29	16°11	22°59	20° 5	23°13	28° 8	26°53	18°59	4°30	W19
T 20	5 55 45	28°21'04	9♍47	2°28	25°31	29°45	3°42	16°16	22°56	20° 5	23°12	28° 5	26°50	19° 6	4°38	T 20
F 21	5 59 42	29°22'07	22°40	4° 3	26°45	0♑30	3°55	16°22	22°54	20° 5	23°12	28° 4	26°46	19°12	4°45	F 21
S 22	6 3 38	0♑23'11	5♎52	5°38	28° 0	1°15	4° 7	16°27	22°51	20° 4	23°11	28°D 4	26°43	19°19	4°52	S 22
S 23	6 7 35	1°24'16	19°28	7°13	29°14	2° 0	4°20	16°33	22°49	20° 4	23°10	28° 5	26°40	19°26	5° 0	S 23
M24	6 11 31	2°25'22	3♏28	8°49	0♒28	2°45	4°34	16°39	22°46	20° 4	23° 9	28° 6	26°37	19°32	5° 7	M24
T 25	6 15 28	3°26'29	17°53	10°24	1°43	3°30	4°47	16°45	22°43	20° 3	23° 8	28° 8	26°34	19°39	5°15	T 25
W26	6 19 24	4°27'36	2♐40	12° 0	2°57	4°16	5° 0	16°51	22°41	20° 3	23° 8	28°R 8	26°31	19°46	5°22	W26
T 27	6 23 21	5°28'44	17°44	13°36	4°12	5° 1	5°13	16°57	22°39	20° 3	23° 7	28° 6	26°27	19°52	5°29	T 27
F 28	6 27 18	6°29'53	2♑57	15°12	5°26	5°46	5°26	17° 3	22°36	20° 3	23° 6	28° 3	26°24	19°59	5°36	F 28
S 29	6 31 14	7°31'02	18° 9	16°49	6°40	6°31	5°40	17° 9	22°34	20° 3	23° 5	27°58	26°21	20° 6	5°43	S 29
S 30	6 35 11	8°32'11	3♒ 9	18°25	7°55	7°17	5°53	17°15	22°31	20° 3	23° 4	27°52	26°18	20°12	5°50	S 30
M31	6 39 7	9♑33'21	17♒48	20♑ 1	9♒ 9	8♑ 2	6♒ 7	17♒21	22♊29	20°D 3	23♌ 3	27♏45	26♏15	20♊19	5♐57	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	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	21s47	19s31	3n31	20s33	0n 6	24s33	1s 9	23s11	0s32	20s39	0s31	17s21	1s 0	23n23	0n 7	6n23	1s39	21n45	8n31	19s49	19s39	21n 6	17s28	3n10
S 2	21 56	16 47	4 25	20 58	0s 1	24 33	1 11	23 16	0 33	20 37	0 31	17 20	1 0	23 23	0 7	6 23	1 39	21 45	8 31	19 48	19 39	21 5	17 29	3 11
M 3	22 5	13 4	5 0	21 22	0 8	24 33	1 13	23 21	0 34	20 35	0 31	17 19	1 0	23 22	0 7	6 23	1 39	21 45	8 32	19 48	19 38	21 5	17 30	3 11
T 4	22 13	8 44	5 16	21 44	0 14	24 32	1 15	23 26	0 34	20 32	0 31	17 17	1 0	23 22	0 7	6 22	1 39	21 46	8 32	19 48	19 37	21 5	17 32	3 11
W 5	22 21	4 6	5 14	22 6	0 21	24 31	1 17	23 30	0 35	20 30	0 31	17 16	1 0	23 22	0 7	6 22	1 39	21 46	8 32	19 48	19 36	21 5	17 33	3 11
T 6	22 28	0n36	4 55	22 27	0 28	24 28	1 19	23 34	0 35	20 27	0 31	17 15	1 0	23 22	0 7	6 22	1 39	21 47	8 33	19 48	19 36	21 4	17 34	3 12
F 7	22 35	5 8	4 22	22 46	0 34	24 25	1 20	23 38	0 36	20 25	0 31	17 13	1 0	23 22	0 7	6 21	1 39	21 47	8 33	19 48	19 35	21 4	17 35	3 12
S 8	22 42	9 21	3 37	23 4	0 41	24 21	1 22	23 42	0 36	20 22	0 31	17 12	1 0	23 22	0 7	6 21	1 39	21 47	8 33	19 48	19 34	21 4	17 36	3 12
S 9	22 48	13 7	2 44	23 22	0 47	24 17	1 24	23 45	0 37	20 19	0 31	17 10	1 0	23 22	0 7	6 21	1 39	21 48	8 34	19 48	19 34	21 4	17 38	3 13
M10	22 53	16 17	1 43	23 38	0 53	24 11	1 26	23 49	0 37	20 17	0 31	17 9	1 0	23 22	0 7	6 21	1 39	21 48	8 34	19 49	19 33	21 4	17 39	3 13
T 11	22 58	18 44	0 39	23 52	0 59	24 5	1 27	23 52	0 38	20 14	0 31	17 8	1 0	23 22	0 7	6 20	1 39	21 49	8 34	19 49	19 32	21 3	17 40	3 13
W12	23 3	20 21	0s26	24 6	1 5	23 58	1 29	23 54	0 38	20 11	0 31	17 6	1 0	23 21	0 7	6 20	1 39	21 49	8 34	19 49	19 31	21 3	17 41	3 14
T 13	23 7	21 5	1 30	24 18	1 10	23 51	1 30	23 57	0 39	20 9	0 31	17 4	1 0	23 21	0 7	6 20	1 39	21 50	8 35	19 49	19 31	21 3	17 42	3 14
F 14	23 11	20 53	2 30	24 29	1 16	23 43	1 32	23 59	0 39	20 6	0 31	17 3	0 59	23 21	0 7	6 20	1 39	21 50	8 35	19 48	19 30	21 3	17 43	3 14
S 15	23 14	19 45	3 23	24 39	1 21	23 34	1 33	24 1	0 40	20 3	0 31	17 1	0 59	23 21	0 7	6 20	1 39	21 51	8 35	19 47	19 29	21 2	17 44	3 15
S 16	23 17	17 44	4 8	24 47	1 26	23 24	1 34	24 3	0 40	20 0	0 31	17 0	0 59	23 21	0 7	6 20	1 39	21 51	8 36	19 46	19 28	21 2	17 45	3 15
M17	23 20	14 57	4 43	24 54	1 31	23 14	1 36	24 4	0 41	19 57	0 31	16 58	0 59	23 21	0 7	6 19	1 39	21 51	8 36	19 45	19 28	21 2	17 46	3 15
T 18	23 22	11 30	5 5	25 0	1 36	23 2	1 37	24 5	0 41	19 54	0 31	16 57	0 59	23 21	0 7	6 19	1 39	21 52	8 36	19 44	19 27	21 2	17 47	3 16
W19	23 23	7 31	5 13	25 5	1 40	22 51	1 38	24 6	0 42	19 52	0 31	16 55	0 59	23 21	0 7	6 19	1 39	21 52	8 36	19 43	19 26	21 1	17 48	3 16
T 20	23 24	3 9	5 7	25 7	1 44	22 38	1 39	24 7	0 42	19 49	0 31	16 53	0 59	23 20	0 7	6 19	1 39	21 53	8 37	19 43	19 26	21 1	17 49	3 16
F 21	23 25	1s27	4 45	25 9	1 48	22 25	1 40	24 7	0 43	19 46	0 31	16 52	0 59	23 20	0 7	6 19	1 39	21 53	8 37	19 42	19 25	21 1	17 50	3 17
S 22	23 25	6 7	4 8	25 9	1 52	22 11	1 41	24 8	0 43	19 43	0 31	16 50	0 59	23 20	0 7	6 19	1 39	21 54	8 37	19 42	19 24	21 0	17 51	3 17
S 23	23 24	10 38	3 16	25 8	1 55	21 57	1 42	24 8	0 44	19 40	0 31	16 48	0 59	23 20	0 7	6 19	1 38	21 55	8 38	19 43	19 23	21 0	17 52	3 17
M24	23 23	14 42	2 11	25 5	1 58	21 42	1 43	24 7	0 44	19 36	0 31	16 46	0 59	23 20	0 7	6 19	1 38	21 55	8 38	19 43	19 23	21 0	17 53	3 18
T 25	23 22	18 2	0 56	25 1	2 1	21 26	1 43	24 7	0 45	19 33	0 31	16 45	0 59	23 20	0 7	6 19	1 38	21 56	8 38	19 43	19 22	21 0	17 54	3 18
W26	23 20	20 16	0n25	24 55	2 4	21 10	1 44	24 6	0 45	19 30	0 31	16 43	0 59	23 20	0 7	6 19	1 38	21 56	8 38	19 43	19 21	20 59	17 55	3 18
T 27	23 18	21 6	1 45	24 48	2 6	20 53	1 45	24 5	0 46	19 27	0 31	16 41	0 59	23 20	0 7	6 19	1 38	21 57	8 39	19 43	19 20	20 59	17 56	3 19
F 28	23 15	20 25	2 58	24 39	2 8	20 35	1 45	24 3	0 46	19 24	0 32	16 39	0 59	23 19	0 7	6 19	1 38	21 57	8 39	19 42	19 20	20 59	17 57	3 19
S 29	23 12	18 14	3 59	24 29	2 9	20 17	1 45	24 2	0 47	19 21	0 32	16 37	0 59	23 19	0 7	6 19	1 38	21 58	8 39	19 41	19 19	20 58	17 58	3 20
S 30	23 8	14 51	4 42	24 18	2 10	19 58	1 46	24 0	0 47	19 17	0 32	16 36	0 59	23 19	0 7	6 19	1 38	21 58	8 39	19 40	19 18	20 58	17 58	3 20
M31	23s 4	10s38	5n 5	24s 4	2s11	19s39	1s46	23s57	0s47	19s14	0s32	16s34	1s 0	23n19	0n 7	6n19	1s38	21n59	8n40	19s38	19s17	20n58	17s59	3n20

Julian Day Number = 2524197.5, Delta T = 161.94 sec
Ecliptic obliquity = 23°24'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°31'12, Lahiri = 26°38'13