Astrodienst Ephemeris Tables

for the year 2098

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 2098
geocentric

JANUARY 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 44 51	11♑ 5'36	23♐36	25♐34	15♑19	1♈58	21°R37	1♎29	9♈50	12°R51	0°R27	0°R51	29♈35	20♑56	2♏59	W 1
T 2	6 48 48	12° 6'46	5♑31	27° 3	16°34	2°38	21♌32	1°30	9°51	12♍50	0♉26	0♉39	29°32	21° 3	3° 4	T 2
F 3	6 52 44	13° 7'56	17°24	28°33	17°50	3°18	21°27	1°30	9°52	12°50	0°26	0°25	29°29	21°10	3° 9	F 3
S 4	6 56 41	14° 9'07	29°16	0♑ 2	19° 5	3°58	21°22	1°31	9°53	12°49	0°26	0°11	29°26	21°17	3°14	S 4
S 5	7 0 37	15°10'17	11♒ 8	1°33	20°21	4°38	21°17	1°32	9°54	12°48	0°26	29♈57	29°23	21°23	3°19	S 5
M 6	7 4 34	16°11'27	23° 3	3° 3	21°36	5°18	21°12	1°32	9°54	12°48	0°25	29°44	29°20	21°30	3°24	M 6
T 7	7 8 30	17°12'37	5♓ 1	4°35	22°52	5°58	21° 6	1°33	9°55	12°47	0°25	29°35	29°16	21°37	3°28	T 7
W 8	7 12 27	18°13'46	17° 7	6° 6	24° 7	6°39	21° 1	1°33	9°57	12°46	0°25	29°28	29°13	21°43	3°33	W 8
T 9	7 16 24	19°14'55	29°24	7°38	25°23	7°19	20°55	1°33	9°58	12°45	0°25	29°24	29°10	21°50	3°37	T 9
F 10	7 20 20	20°16'04	11♈56	9°11	26°38	7°59	20°49	1°R33	9°59	12°44	0°25	29°23	29° 7	21°57	3°41	F 10
S 11	7 24 17	21°17'12	24°47	10°43	27°53	8°39	20°43	1°33	10° 0	12°44	0°25	29°23	29° 4	22° 4	3°46	S 11
S 12	7 28 13	22°18'20	8♉ 2	12°17	29° 9	9°19	20°37	1°33	10° 1	12°43	0°25	29°23	29° 0	22°10	3°50	S 12
M13	7 32 10	23°19'27	21°45	13°50	0♒24	10° 0	20°30	1°33	10° 2	12°42	0°D25	29°21	28°57	22°17	3°54	M13
T 14	7 36 6	24°20'34	5♊58	15°24	1°40	10°40	20°24	1°32	10° 4	12°41	0°25	29°18	28°54	22°24	3°58	T 14
W15	7 40 3	25°21'40	20°39	16°59	2°55	11°20	20°17	1°32	10° 5	12°40	0°25	29°11	28°51	22°31	4° 1	W15
T 16	7 44 0	26°22'45	5♋43	18°34	4°10	12° 0	20°11	1°31	10° 7	12°39	0°25	29° 2	28°48	22°37	4° 5	T 16
F 17	7 47 56	27°23'50	21° 2	20°10	5°26	12°41	20° 4	1°31	10° 8	12°38	0°25	28°51	28°45	22°44	4° 9	F 17
S 18	7 51 53	28°24'55	6♌25	21°46	6°41	13°21	19°57	1°30	10°10	12°37	0°25	28°39	28°41	22°51	4°12	S 18
S 19	7 55 49	29°25'58	21°40	23°22	7°57	14° 1	19°50	1°29	10°11	12°36	0°25	28°28	28°38	22°57	4°16	S 19
M20	7 59 46	0♒27'02	6♍35	25° 0	9°12	14°42	19°43	1°28	10°13	12°34	0°25	28°19	28°35	23° 4	4°19	M20
T 21	8 3 42	1°28'05	21° 4	26°37	10°27	15°22	19°36	1°27	10°14	12°33	0°25	28°12	28°32	23°11	4°22	T 21
W22	8 7 39	2°29'07	5♎ 4	28°15	11°43	16° 2	19°28	1°25	10°16	12°32	0°26	28° 9	28°29	23°18	4°25	W22
T 23	8 11 35	3°30'10	18°33	29°54	12°58	16°43	19°21	1°24	10°18	12°31	0°26	28° 7	28°26	23°24	4°28	T 23
F 24	8 15 32	4°31'11	1♏35	1♒34	14°13	17°23	19°13	1°23	10°20	12°30	0°26	28° 7	28°22	23°31	4°31	F 24
S 25	8 19 29	5°32'13	14°14	3°14	15°28	18° 4	19° 6	1°21	10°22	12°28	0°26	28° 7	28°19	23°38	4°33	S 25
S 26	8 23 25	6°33'14	26°34	4°54	16°44	18°44	18°58	1°19	10°23	12°27	0°27	28° 5	28°16	23°45	4°36	S 26
M27	8 27 22	7°34'14	8♐41	6°36	17°59	19°24	18°51	1°18	10°25	12°26	0°27	28° 2	28°13	23°51	4°39	M27
T 28	8 31 18	8°35'14	20°39	8°17	19°14	20° 5	18°43	1°16	10°27	12°25	0°27	27°55	28°10	23°58	4°41	T 28
W29	8 35 15	9°36'13	2♑32	10° 0	20°30	20°45	18°35	1°14	10°29	12°23	0°28	27°46	28° 7	24° 5	4°43	W29
T 30	8 39 11	10°37'12	14°23	11°43	21°45	21°25	18°27	1°12	10°31	12°22	0°28	27°34	28° 3	24°11	4°45	T 30
F 31	8 43 8	11♒38'10	26♑15	13♒27	23♒ 0	22♈ 6	18♌19	1♎10	10♈33	12♍21	0♉28	27♈20	28♈ 0	24♑18	4♏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	22s58	27s16	4s 0	23s22	0s 1	23s21	0s48	0n33	0s15	15n 5	0n50	1n27	2n13	3n16	0s41	7n31	0n51	4s21	17s 1	11n46	11n19	26s49	12s53	0s24
T 2	22 53	27 51	4 32	23 32	0 9	23 14	0 50	0 51	0 13	15 7	0 50	1 27	2 14	3 16	0 41	7 31	0 51	4 21	17 0	11 42	11 18	26 48	12 54	0 24
F 3	22 47	27 8	4 53	23 41	0 16	23 6	0 52	1 8	0 12	15 9	0 51	1 27	2 14	3 17	0 41	7 32	0 51	4 20	17 0	11 37	11 17	26 48	12 56	0 23
S 4	22 41	25 11	5 0	23 48	0 23	22 58	0 54	1 25	0 11	15 10	0 51	1 27	2 14	3 17	0 41	7 32	0 51	4 20	17 0	11 32	11 16	26 47	12 57	0 23
S 5	22 34	22 8	4 54	23 55	0 30	22 48	0 56	1 42	0 9	15 12	0 51	1 27	2 15	3 18	0 41	7 32	0 51	4 20	16 59	11 27	11 15	26 46	12 58	0 23
M 6	22 27	18 10	4 36	24 0	0 36	22 39	0 58	1 59	0 8	15 14	0 51	1 27	2 15	3 18	0 41	7 33	0 51	4 19	16 59	11 23	11 14	26 45	13 0	0 23
T 7	22 19	13 28	4 5	24 4	0 43	22 28	0 59	2 16	0 7	15 16	0 51	1 27	2 15	3 18	0 41	7 33	0 51	4 19	16 58	11 19	11 13	26 44	13 1	0 22
W 8	22 11	8 12	3 23	24 7	0 49	22 17	1 1	2 33	0 5	15 18	0 52	1 27	2 15	3 19	0 41	7 33	0 51	4 19	16 58	11 17	11 12	26 43	13 2	0 22
T 9	22 3	2 33	2 31	24 8	0 55	22 5	1 3	2 50	0 4	15 20	0 52	1 27	2 16	3 19	0 41	7 34	0 51	4 19	16 58	11 15	11 10	26 42	13 3	0 22
F 10	21 54	3n19	1 31	24 8	1 1	21 53	1 5	3 7	0 3	15 22	0 52	1 28	2 16	3 20	0 41	7 34	0 51	4 18	16 57	11 15	11 9	26 41	13 5	0 21
S 11	21 45	9 13	0 24	24 7	1 7	21 39	1 6	3 24	0 2	15 24	0 52	1 28	2 16	3 20	0 41	7 34	0 51	4 18	16 57	11 15	11 8	26 40	13 6	0 21
S 12	21 35	14 54	0n46	24 4	1 13	21 26	1 8	3 41	0 1	15 27	0 52	1 28	2 17	3 21	0 40	7 35	0 51	4 18	16 57	11 15	11 7	26 39	13 7	0 21
M13	21 25	20 3	1 55	24 0	1 18	21 11	1 9	3 58	0n 1	15 29	0 53	1 29	2 17	3 21	0 40	7 35	0 51	4 17	16 56	11 14	11 6	26 38	13 8	0 21
T 14	21 14	24 15	3 0	23 55	1 23	20 56	1 11	4 15	0 2	15 31	0 53	1 29	2 17	3 22	0 40	7 35	0 51	4 17	16 56	11 13	11 5	26 37	13 9	0 20
W15	21 3	27 1	3 55	23 48	1 28	20 40	1 12	4 32	0 3	15 33	0 53	1 30	2 17	3 22	0 40	7 36	0 51	4 17	16 56	11 11	11 4	26 36	13 10	0 20
T 16	20 52	27 54	4 36	23 40	1 33	20 24	1 14	4 49	0 4	15 36	0 53	1 30	2 18	3 23	0 40	7 36	0 51	4 16	16 55	11 8	11 3	26 35	13 11	0 20
F 17	20 40	26 40	4 57	23 31	1 37	20 7	1 15	5 5	0 5	15 38	0 53	1 31	2 18	3 24	0 40	7 37	0 52	4 16	16 55	11 4	11 1	26 33	13 12	0 19
S 18	20 28	23 27	4 57	23 20	1 41	19 50	1 16	5 22	0 6	15 40	0 54	1 31	2 18	3 24	0 40	7 37	0 52	4 15	16 54	10 59	11 0	26 32	13 13	0 19
S 19	20 16	18 38	4 36	23 8	1 45	19 31	1 18	5 39	0 8	15 43	0 54	1 32	2 19	3 25	0 40	7 38	0 52	4 15	16 54	10 55	10 59	26 31	13 14	0 19
M20	20 3	12 45	3 56	22 54	1 48	19 13	1 19	5 55	0 9	15 45	0 54	1 32	2 19	3 26	0 40	7 38	0 52	4 15	16 54	10 52	10 58	26 30	13 15	0 19
T 21	19 49	6 19	3 2	22 39	1 52	18 54	1 20	6 12	0 10	15 47	0 54	1 33	2 19	3 26	0 40	7 38	0 52	4 14	16 53	10 50	10 57	26 29	13 15	0 18
W22	19 36	0s12	1 59	22 22	1 55	18 34	1 21	6 28	0 11	15 50	0 54	1 34	2 19	3 27	0 40	7 39	0 52	4 14	16 53	10 49	10 56	26 28	13 16	0 18
T 23	19 22	6 29	0 50	22 4	1 57	18 14	1 22	6 45	0 12	15 52	0 54	1 35	2 20	3 28	0 40	7 39	0 52	4 14	16 53	10 48	10 55	26 27	13 17	0 18
F 24	19 7	12 18	0s18	21 45	1 59	17 53	1 23	7 1	0 13	15 55	0 55	1 35	2 20	3 28	0 40	7 40	0 52	4 13	16 52	10 48	10 53	26 26	13 17	0 17
S 25	18 53	17 26	1 24	21 24	2 1	17 31	1 24	7 18	0 14	15 57	0 55	1 36	2 20	3 29	0 40	7 40	0 52	4 13	16 52	10 48	10 52	26 25	13 18	0 17
S 26	18 38	21 43	2 24	21 1	2 3	17 10	1 25	7 34	0 15	16 0	0 55	1 37	2 20	3 30	0 40	7 41	0 52	4 12	16 52	10 47	10 51	26 24	13 19	0 17
M27	18 22	24 59	3 17	20 37	2 4	16 47	1 25	7 50	0 16	16 2	0 55	1 38	2 21	3 31	0 40	7 41	0 52	4 12	16 51	10 46	10 50	26 22	13 19	0 16
T 28	18 6	27 5	4 0	20 12	2 5	16 25	1 26	8 6	0 17	16 5	0 55	1 39	2 21	3 32	0 40	7 42	0 52	4 11	16 51	10 44	10 49	26 21	13 20	0 16
W29	17 50	27 56	4 32	19 45	2 5	16 1	1 27	8 22	0 18	16 8	0 55	1 40	2 21	3 32	0 40	7 43	0 52	4 11	16 50	10 40	10 48	26 20	13 20	0 16
T 30	17 34	27 29	4 52	19 16	2 5	15 38	1 27	8 38	0 19	16 10	0 55	1 41	2 21	3 33	0 40	7 43	0 52	4 10	16 50	10 36	10 47	26 19	13 21	0 16
F 31	17s17	25s48	5s 0	18s46	2s 5	15s14	1s28	8n54	0n20	16n13	0n56	1n42	2n22	3n34	0s40	7n44	0n52	4s10	16s50	10n31	10n46	26s18	13s21	0s15

Julian Day Number = 2487339.5, Delta T = 92.27 sec
Ecliptic obliquity = 23°25'43, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'34, Lahiri = 25°13'35

ASTRODIENST EPHEMERIS for the year 2098
geocentric

FEBRUARY 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 47 4	12♒39'06	8♒ 8	15♒11	24♒15	22♈46	18°R12	1°R 7	10♈36	12°R19	0♉29	27°R 5	27♈57	24♋25	4♏49	S 1
S 2	8 51 1	13°40'02	20° 5	16°56	25°30	23°27	18♌ 4	1♎ 5	10°38	12♍18	0°29	26♈51	27°54	24°32	4°51	S 2
M 3	8 54 58	14°40'57	2♓ 6	18°42	26°46	24° 7	17°56	1° 3	10°40	12°16	0°30	26°39	27°51	24°38	4°53	M 3
T 4	8 58 54	15°41'50	14°13	20°28	28° 1	24°47	17°48	1° 0	10°42	12°15	0°30	26°29	27°47	24°45	4°54	T 4
W 5	9 2 51	16°42'43	26°27	22°15	29°16	25°28	17°40	0°57	10°45	12°13	0°31	26°22	27°44	24°52	4°56	W 5
T 6	9 6 47	17°43'34	8♈51	24° 2	0♓31	26° 8	17°32	0°55	10°47	12°12	0°31	26°18	27°41	24°58	4°57	T 6
F 7	9 10 44	18°44'23	21°28	25°49	1°46	26°49	17°24	0°52	10°49	12°10	0°32	26°D16	27°38	25° 5	4°58	F 7
S 8	9 14 40	19°45'11	4♉20	27°37	3° 1	27°29	17°16	0°49	10°52	12° 9	0°32	26°17	27°35	25°12	4°59	S 8
S 9	9 18 37	20°45'58	17°31	29°25	4°16	28° 9	17° 8	0°46	10°54	12° 7	0°33	26°R17	27°32	25°19	5° 0	S 9
M10	9 22 33	21°46'43	1♊ 5	1♓13	5°31	28°50	17° 0	0°43	10°57	12° 6	0°33	26°17	27°28	25°25	5° 1	M10
T 11	9 26 30	22°47'27	15° 4	3° 1	6°46	29°30	16°52	0°40	10°59	12° 4	0°34	26°15	27°25	25°32	5° 2	T 11
W12	9 30 27	23°48'09	29°27	4°49	8° 1	0♉11	16°44	0°36	11° 2	12° 3	0°35	26°10	27°22	25°39	5° 2	W12
T 13	9 34 23	24°48'49	14♋13	6°36	9°16	0°51	16°36	0°33	11° 4	12° 1	0°35	26° 3	27°19	25°46	5° 3	T 13
F 14	9 38 20	25°49'28	29°16	8°22	10°31	1°31	16°28	0°30	11° 7	12° 0	0°36	25°54	27°16	25°52	5° 3	F 14
S 15	9 42 16	26°50'06	14♌27	10° 8	11°46	2°12	16°21	0°26	11°10	11°58	0°37	25°45	27°12	25°59	5° 3	S 15
S 16	9 46 13	27°50'41	29°35	11°51	13° 1	2°52	16°13	0°23	11°12	11°56	0°37	25°36	27° 9	26° 6	5° 3	S 16
M17	9 50 9	28°51'16	14♍30	13°33	14°16	3°32	16° 5	0°19	11°15	11°55	0°38	25°29	27° 6	26°12	5°R 3	M17
T 18	9 54 6	29°51'48	29° 4	15°13	15°31	4°12	15°58	0°15	11°18	11°53	0°39	25°23	27° 3	26°19	5° 3	T 18
W19	9 58 2	0♓52'20	13♎11	16°50	16°46	4°53	15°50	0°12	11°20	11°52	0°40	25°20	27° 0	26°26	5° 3	W19
T 20	10 1 59	1°52'50	26°49	18°23	18° 1	5°33	15°43	0° 8	11°23	11°50	0°40	25°D20	26°57	26°33	5° 3	T 20
F 21	10 5 56	2°53'19	9♏59	19°53	19°16	6°13	15°35	0° 4	11°26	11°48	0°41	25°21	26°53	26°39	5° 2	F 21
S 22	10 9 52	3°53'47	22°45	21°18	20°30	6°54	15°28	29♍59	11°29	11°47	0°42	25°22	26°50	26°46	5° 2	S 22
S 23	10 13 49	4°54'13	5♐ 9	22°37	21°45	7°34	15°21	29°56	11°32	11°45	0°43	25°R22	26°47	26°53	5° 1	S 23
M24	10 17 45	5°54'38	17°19	23°51	23° 0	8°14	15°14	29°52	11°35	11°43	0°44	25°21	26°44	27° 0	5° 0	M24
T 25	10 21 42	6°55'02	29°17	24°59	24°14	8°54	15° 7	29°48	11°38	11°42	0°45	25°19	26°41	27° 6	4°59	T 25
W26	10 25 38	7°55'24	11♑10	25°59	25°29	9°34	15° 0	29°44	11°41	11°40	0°45	25°14	26°38	27°13	4°58	W26
T 27	10 29 35	8°55'45	23° 0	26°51	26°44	10°15	14°53	29°39	11°44	11°38	0°46	25° 7	26°34	27°20	4°57	T 27
F 28	10 33 31	9♓56'05	4♒52	27♓36	27♓58	10♉55	14♌47	29♍35	11♈47	11♍37	0♉47	24♈59	26♈31	27♋26	4♏56	F 28

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	17s 0	22s57	4s54	18s15	2s 4	14s49	1s28	9n10	0n21	16n15	0n56	1n43	2n22	3n35	0s40	7n44	0n52	4s10	16s49	10n26	10n44	26s17	13s21	0s15
S 2	16 43	19 9	4 36	17 42	2 2	14 24	1 29	9 26	0 22	16 18	0 56	1 45	2 22	3 36	0 40	7 45	0 52	4 9	16 49	10 21	10 43	26 16	13 22	0 15
M 3	16 25	14 32	4 5	17 7	2 0	13 59	1 29	9 42	0 22	16 20	0 56	1 46	2 22	3 37	0 40	7 45	0 52	4 9	16 49	10 16	10 42	26 14	13 22	0 14
T 4	16 7	9 20	3 23	16 31	1 58	13 33	1 29	9 58	0 23	16 23	0 56	1 47	2 23	3 38	0 40	7 46	0 52	4 8	16 48	10 13	10 41	26 13	13 22	0 14
W 5	15 49	3 43	2 31	15 54	1 55	13 7	1 29	10 13	0 24	16 26	0 56	1 48	2 23	3 39	0 40	7 46	0 52	4 8	16 48	10 10	10 40	26 12	13 22	0 14
T 6	15 31	2n 7	1 31	15 15	1 51	12 41	1 30	10 29	0 25	16 28	0 56	1 50	2 23	3 39	0 40	7 47	0 52	4 7	16 48	10 9	10 39	26 11	13 22	0 13
F 7	15 12	7 58	0 26	14 35	1 47	12 14	1 30	10 44	0 26	16 31	0 56	1 51	2 23	3 40	0 40	7 48	0 52	4 7	16 47	10 8	10 38	26 10	13 23	0 13
S 8	14 53	13 38	0n43	13 54	1 43	11 47	1 30	10 59	0 27	16 33	0 57	1 52	2 24	3 41	0 40	7 48	0 52	4 6	16 47	10 8	10 36	26 8	13 23	0 13
S 9	14 34	18 49	1 51	13 11	1 37	11 20	1 29	11 15	0 28	16 36	0 57	1 54	2 24	3 42	0 40	7 49	0 52	4 6	16 47	10 8	10 35	26 7	13 23	0 12
M10	14 14	23 12	2 54	12 27	1 31	10 52	1 29	11 30	0 28	16 38	0 57	1 55	2 24	3 43	0 39	7 49	0 52	4 5	16 46	10 8	10 34	26 6	13 23	0 12
T 11	13 55	26 23	3 49	11 43	1 25	10 24	1 29	11 45	0 29	16 41	0 57	1 57	2 24	3 44	0 39	7 50	0 52	4 5	16 46	10 8	10 33	26 5	13 23	0 12
W12	13 35	27 57	4 32	10 57	1 17	9 56	1 29	12 0	0 30	16 43	0 57	1 58	2 25	3 45	0 39	7 51	0 52	4 4	16 46	10 6	10 32	26 3	13 22	0 11
T 13	13 15	27 36	4 57	10 10	1 9	9 27	1 28	12 15	0 31	16 46	0 57	2 0	2 25	3 46	0 39	7 51	0 52	4 4	16 45	10 3	10 31	26 2	13 22	0 11
F 14	12 54	25 14	5 3	9 22	1 1	8 59	1 28	12 29	0 32	16 48	0 57	2 1	2 25	3 48	0 39	7 52	0 52	4 3	16 45	10 0	10 30	26 1	13 22	0 11
S 15	12 34	21 5	4 48	8 34	0 51	8 30	1 28	12 44	0 32	16 50	0 57	2 3	2 25	3 49	0 39	7 53	0 52	4 2	16 45	9 57	10 28	26 0	13 22	0 10
S 16	12 13	15 33	4 13	7 45	0 41	8 0	1 27	12 59	0 33	16 53	0 57	2 4	2 25	3 50	0 39	7 53	0 52	4 2	16 44	9 54	10 27	25 58	13 22	0 10
M17	11 52	9 11	3 20	6 56	0 31	7 31	1 26	13 13	0 34	16 55	0 57	2 6	2 26	3 51	0 39	7 54	0 52	4 1	16 44	9 51	10 26	25 57	13 21	0 10
T 18	11 31	2 27	2 16	6 7	0 19	7 1	1 26	13 28	0 35	16 57	0 57	2 8	2 26	3 52	0 39	7 54	0 52	4 1	16 44	9 49	10 25	25 56	13 21	0 9
W19	11 10	4s12	1 5	5 19	0 7	6 32	1 25	13 42	0 35	17 0	0 57	2 9	2 26	3 53	0 39	7 55	0 52	4 0	16 43	9 48	10 24	25 54	13 21	0 9
T 20	10 48	10 27	0s 8	4 30	0n 6	6 2	1 24	13 56	0 36	17 2	0 57	2 11	2 26	3 54	0 39	7 56	0 52	4 0	16 43	9 48	10 23	25 53	13 20	0 9
F 21	10 26	16 2	1 18	3 43	0 19	5 32	1 23	14 10	0 37	17 4	0 57	2 13	2 26	3 55	0 39	7 56	0 52	3 59	16 43	9 48	10 22	25 52	13 20	0 8
S 22	10 5	20 44	2 22	2 57	0 33	5 1	1 22	14 24	0 37	17 6	0 58	2 14	2 26	3 56	0 39	7 57	0 52	3 59	16 42	9 48	10 20	25 50	13 19	0 8
S 23	9 43	24 23	3 17	2 13	0 47	4 31	1 21	14 38	0 38	17 9	0 58	2 16	2 27	3 57	0 39	7 58	0 52	3 58	16 42	9 49	10 19	25 49	13 19	0 8
M24	9 20	26 51	4 3	1 30	1 1	4 0	1 20	14 51	0 39	17 11	0 58	2 18	2 27	3 59	0 39	7 58	0 52	3 58	16 42	9 48	10 18	25 48	13 18	0 7
T 25	8 58	28 2	4 36	0 50	1 16	3 30	1 19	15 5	0 39	17 13	0 58	2 20	2 27	4 0	0 39	7 59	0 52	3 57	16 42	9 47	10 17	25 46	13 17	0 7
W26	8 36	27 55	4 58	0 12	1 31	2 59	1 18	15 18	0 40	17 15	0 58	2 22	2 27	4 1	0 39	8 0	0 52	3 56	16 41	9 45	10 16	25 45	13 17	0 7
T 27	8 13	26 31	5 7	0n22	1 46	2 28	1 17	15 32	0 41	17 17	0 58	2 23	2 27	4 2	0 39	8 0	0 52	3 56	16 41	9 43	10 15	25 44	13 16	0 6
F 28	7s50	23s56	5s 3	0n53	2n 0	1s57	1s15	15n45	0n41	17n19	0n58	2n25	2n27	4n 3	0s39	8n 1	0n52	3s55	16s41	9n40	10n14	25s42	13s15	0s 6

Julian Day Number = 2487370.5, Delta T = 92.30 sec
Ecliptic obliquity = 23°25'43, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'39, Lahiri = 25°13'39

ASTRODIENST EPHEMERIS for the year 2098
geocentric

MARCH 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 37 28	10♓56'22	16♒49	28♓11	29♓13	11♉35	14°R40	29°R31	11♈50	11°R35	0♉48	24°R50	26♈28	27♊33	4°R55	S 1
S 2	10 41 25	11°56'38	28°52	28°38	0♈28	12°15	14♌34	29♍26	11°53	11♍33	0°49	24♈41	26°25	27°40	4♏53	S 2
M 3	10 45 21	12°56'53	11♓ 2	28°55	1°42	12°55	14°27	29°22	11°56	11°32	0°50	24°34	26°22	27°47	4°52	M 3
T 4	10 49 18	13°57'05	23°22	29°R 2	2°57	13°35	14°21	29°17	11°59	11°30	0°51	24°28	26°18	27°53	4°50	T 4
W 5	10 53 14	14°57'16	5♈51	29° 0	4°11	14°15	14°15	29°13	12° 2	11°28	0°52	24°24	26°15	28° 0	4°48	W 5
T 6	10 57 11	15°57'25	18°31	28°49	5°26	14°56	14° 9	29° 8	12° 5	11°27	0°53	24°D22	26°12	28° 7	4°46	T 6
F 7	11 1 7	16°57'31	1♉23	28°29	6°40	15°36	14° 4	29° 4	12° 8	11°25	0°54	24°22	26° 9	28°13	4°44	F 7
S 8	11 5 4	17°57'36	14°27	28° 1	7°54	16°16	13°58	28°59	12°12	11°23	0°55	24°24	26° 6	28°20	4°42	S 8
S 9	11 9 0	18°57'39	27°47	27°25	9° 9	16°56	13°53	28°55	12°15	11°22	0°56	24°25	26° 3	28°27	4°40	S 9
M10	11 12 57	19°57'40	11♊23	26°42	10°23	17°36	13°47	28°50	12°18	11°20	0°57	24°26	25°59	28°34	4°37	M10
T 11	11 16 54	20°57'38	25°16	25°54	11°37	18°16	13°42	28°45	12°21	11°18	0°58	24°R27	25°56	28°40	4°35	T 11
W12	11 20 50	21°57'34	9♋27	25° 1	12°52	18°56	13°37	28°41	12°25	11°17	1° 0	24°25	25°53	28°47	4°32	W12
T 13	11 24 47	22°57'28	23°53	24° 5	14° 6	19°36	13°32	28°36	12°28	11°15	1° 1	24°23	25°50	28°54	4°30	T 13
F 14	11 28 43	23°57'20	8♌31	23° 7	15°20	20°16	13°28	28°31	12°31	11°13	1° 2	24°19	25°47	29° 1	4°27	F 14
S 15	11 32 40	24°57'10	23°16	22° 8	16°34	20°56	13°23	28°27	12°34	11°12	1° 3	24°15	25°44	29° 7	4°24	S 15
S 16	11 36 36	25°56'57	8♍ 0	21°11	17°48	21°35	13°19	28°22	12°38	11°10	1° 4	24°11	25°40	29°14	4°21	S 16
M17	11 40 33	26°56'43	22°36	20°15	19° 2	22°15	13°15	28°17	12°41	11° 9	1° 5	24° 7	25°37	29°21	4°19	M17
T 18	11 44 29	27°56'26	6♎58	19°23	20°16	22°55	13°11	28°12	12°44	11° 7	1° 6	24° 5	25°34	29°27	4°15	T 18
W19	11 48 26	28°56'07	20°59	18°34	21°30	23°35	13° 7	28° 8	12°48	11° 5	1° 8	24°D 4	25°31	29°34	4°12	W19
T 20	11 52 22	29°55'47	4♏36	17°50	22°44	24°15	13° 4	28° 3	12°51	11° 4	1° 9	24° 4	25°28	29°41	4° 9	T 20
F 21	11 56 19	0♈55'24	17°50	17°11	23°58	24°55	13° 0	27°58	12°54	11° 2	1°10	24° 5	25°24	29°48	4° 6	F 21
S 22	12 0 16	1°55'00	0♐40	16°37	25°12	25°34	12°57	27°54	12°58	11° 1	1°11	24° 7	25°21	29°54	4° 2	S 22
S 23	12 4 12	2°54'35	13°10	16°10	26°26	26°14	12°54	27°49	13° 1	10°59	1°13	24° 8	25°18	0♒ 1	3°59	S 23
M24	12 8 9	3°54'07	25°24	15°49	27°40	26°54	12°51	27°44	13° 5	10°58	1°14	24°10	25°15	0° 8	3°55	M24
T 25	12 12 5	4°53'38	7♑26	15°34	28°53	27°34	12°48	27°39	13° 8	10°56	1°15	24°R10	25°12	0°14	3°52	T 25
W26	12 16 2	5°53'07	19°20	15°25	0♉ 7	28°13	12°46	27°35	13°11	10°55	1°16	24° 9	25° 9	0°21	3°48	W26
T 27	12 19 58	6°52'34	1♒12	15°D21	1°21	28°53	12°44	27°30	13°15	10°53	1°18	24° 8	25° 5	0°28	3°44	T 27
F 28	12 23 55	7°52'00	13° 6	15°24	2°34	29°33	12°41	27°25	13°18	10°52	1°19	24° 6	25° 2	0°35	3°40	F 28
S 29	12 27 51	8°51'23	25° 6	15°32	3°48	0♊12	12°39	27°21	13°22	10°50	1°20	24° 3	24°59	0°41	3°37	S 29
S 30	12 31 48	9°50'45	7♓14	15°46	5° 1	0°52	12°38	27°16	13°25	10°49	1°21	24° 1	24°56	0°48	3°33	S 30
M31	12 35 45	10♈50'05	19♓34	16♓ 4	6♉15	1♊32	12♌36	27♍12	13♈28	10♍48	1♉23	23♈59	24♈53	0♒55	3♏29	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	7s28	20s19	4s45	1n20	2n15	1s26	1s14	15n58	0n42	17n21	0n58	2n27	2n28	4n 5	0s39	8n 1	0n52	3s55	16s40	9n37	10n12	25s41	13s14	0s 6
S 2	7 5	15 51	4 15	1 43	2 28	0 55	1 12	16 11	0 43	17 23	0 58	2 29	2 28	4 6	0 39	8 2	0 52	3 54	16 40	9 34	10 11	25 40	13 14	0 5
M 3	6 42	10 42	3 33	2 2	2 42	0 24	1 11	16 24	0 43	17 24	0 58	2 31	2 28	4 7	0 39	8 3	0 52	3 54	16 40	9 31	10 10	25 38	13 13	0 5
T 4	6 19	5 5	2 40	2 16	2 54	0n 7	1 9	16 36	0 44	17 26	0 58	2 33	2 28	4 8	0 39	8 3	0 52	3 53	16 40	9 29	10 9	25 37	13 12	0 5
W 5	5 55	0n49	1 39	2 26	3 5	0 38	1 8	16 49	0 44	17 28	0 58	2 35	2 28	4 9	0 39	8 4	0 53	3 52	16 39	9 27	10 8	25 35	13 11	0 4
T 6	5 32	6 46	0 32	2 31	3 15	1 9	1 6	17 1	0 45	17 30	0 58	2 36	2 28	4 11	0 39	8 5	0 53	3 52	16 39	9 27	10 7	25 34	13 10	0 4
F 7	5 9	12 33	0n38	2 30	3 23	1 40	1 4	17 14	0 46	17 31	0 58	2 38	2 28	4 12	0 39	8 5	0 53	3 51	16 39	9 27	10 6	25 32	13 9	0 4
S 8	4 45	17 53	1 47	2 25	3 30	2 11	1 2	17 26	0 46	17 33	0 58	2 40	2 28	4 13	0 39	8 6	0 53	3 51	16 39	9 27	10 4	25 31	13 8	0 3
S 9	4 22	22 27	2 52	2 15	3 35	2 42	1 1	17 38	0 47	17 35	0 58	2 42	2 29	4 15	0 39	8 7	0 53	3 50	16 38	9 28	10 3	25 30	13 7	0 3
M10	3 58	25 54	3 48	2 1	3 38	3 13	0 59	17 50	0 47	17 36	0 58	2 44	2 29	4 16	0 39	8 7	0 53	3 50	16 38	9 28	10 2	25 28	13 6	0 2
T 11	3 35	27 53	4 33	1 43	3 39	3 43	0 57	18 1	0 48	17 38	0 58	2 46	2 29	4 17	0 39	8 8	0 53	3 49	16 38	9 28	10 1	25 27	13 5	0 2
W12	3 11	28 6	5 2	1 21	3 37	4 14	0 55	18 13	0 48	17 39	0 58	2 48	2 29	4 18	0 39	8 9	0 53	3 48	16 38	9 28	10 0	25 25	13 3	0 2
T 13	2 48	26 26	5 12	0 56	3 34	4 45	0 53	18 24	0 49	17 40	0 58	2 50	2 29	4 20	0 39	8 9	0 53	3 48	16 37	9 27	9 59	25 24	13 2	0 1
F 14	2 24	22 59	5 3	0 28	3 29	5 15	0 51	18 36	0 49	17 42	0 58	2 52	2 29	4 21	0 39	8 10	0 53	3 47	16 37	9 25	9 57	25 22	13 1	0 1
S 15	2 0	18 3	4 33	0s 1	3 22	5 46	0 48	18 47	0 50	17 43	0 58	2 54	2 29	4 22	0 39	8 10	0 53	3 47	16 37	9 24	9 56	25 21	13 0	0 1
S 16	1 37	12 3	3 46	0 32	3 13	6 16	0 46	18 58	0 50	17 44	0 57	2 56	2 29	4 24	0 39	8 11	0 53	3 46	16 37	9 22	9 55	25 19	12 58	0 0
M17	1 13	5 27	2 44	1 3	3 3	6 46	0 44	19 9	0 51	17 45	0 57	2 58	2 29	4 25	0 39	8 12	0 53	3 45	16 37	9 21	9 54	25 18	12 57	0n 0
T 18	0 49	1s21	1 32	1 34	2 52	7 17	0 42	19 19	0 51	17 46	0 57	3 0	2 29	4 26	0 39	8 12	0 53	3 45	16 36	9 20	9 53	25 16	12 56	0 0
W19	0 25	7 55	0 17	2 5	2 39	7 46	0 39	19 30	0 52	17 47	0 57	3 2	2 29	4 27	0 39	8 13	0 53	3 44	16 36	9 20	9 52	25 15	12 54	0 1
T 20	0 2	13 57	0s58	2 35	2 25	8 16	0 37	19 40	0 52	17 48	0 57	3 4	2 29	4 29	0 39	8 13	0 53	3 44	16 36	9 20	9 51	25 13	12 53	0 1
F 21	0n22	19 10	2 7	3 3	2 11	8 46	0 34	19 50	0 53	17 49	0 57	3 5	2 29	4 30	0 39	8 14	0 53	3 43	16 36	9 20	9 49	25 12	12 51	0 2
S 22	0 46	23 21	3 8	3 30	1 56	9 15	0 32	20 0	0 53	17 50	0 57	3 7	2 29	4 31	0 39	8 15	0 53	3 43	16 36	9 21	9 48	25 10	12 50	0 2
S 23	1 9	26 18	3 58	3 54	1 41	9 44	0 30	20 10	0 54	17 51	0 57	3 9	2 29	4 33	0 39	8 15	0 53	3 42	16 35	9 22	9 47	25 9	12 48	0 2
M24	1 33	27 57	4 36	4 17	1 25	10 13	0 27	20 20	0 54	17 52	0 57	3 11	2 29	4 34	0 39	8 16	0 53	3 41	16 35	9 22	9 46	25 7	12 47	0 3
T 25	1 57	28 15	5 2	4 37	1 10	10 42	0 24	20 29	0 54	17 52	0 57	3 13	2 29	4 35	0 39	8 16	0 53	3 41	16 35	9 22	9 45	25 6	12 45	0 3
W26	2 20	27 13	5 14	4 54	0 55	11 10	0 22	20 39	0 55	17 53	0 57	3 15	2 29	4 37	0 39	8 17	0 53	3 40	16 35	9 22	9 44	25 4	12 44	0 3
T 27	2 44	24 58	5 13	5 9	0 40	11 38	0 19	20 48	0 55	17 54	0 57	3 17	2 29	4 38	0 39	8 17	0 53	3 40	16 35	9 21	9 42	25 2	12 42	0 4
F 28	3 7	21 38	4 58	5 22	0 25	12 6	0 17	20 57	0 56	17 54	0 57	3 19	2 29	4 39	0 39	8 18	0 53	3 39	16 35	9 20	9 41	25 1	12 40	0 4
S 29	3 31	17 23	4 30	5 32	0 11	12 34	0 14	21 6	0 56	17 55	0 57	3 20	2 29	4 41	0 39	8 19	0 53	3 39	16 34	9 20	9 40	24 59	12 39	0 4
S 30	3 54	12 25	3 50	5 39	0s 3	13 1	0 11	21 15	0 56	17 55	0 57	3 22	2 29	4 42	0 39	8 19	0 53	3 38	16 34	9 19	9 39	24 58	12 37	0 5
M31	4n17	6s52	2s59	5s44	0s16	13n28	0s 8	21n23	0n57	17n55	0n57	3n24	2n29	4n43	0s39	8n20	0n53	3s38	16s34	9n18	9n38	24s56	12s35	0n 5

Julian Day Number = 2487398.5, Delta T = 92.34 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'42, Lahiri = 25°13'43

ASTRODIENST EPHEMERIS for the year 2098
geocentric

APRIL 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 39 41	11♈49'23	2♈ 6	16♓28	7♉28	2♊11	12°R35	27°R 7	13♈32	10°R46	1♉24	23°R58	24♈49	1♒ 2	3°R24	T 1
W 2	12 43 38	12°48'38	14°53	16°56	8°42	2°51	12♌34	27♍ 3	13°35	10♍45	1°25	23♈57	24°46	1° 8	3♏20	W 2
T 3	12 47 34	13°47'52	27°54	17°28	9°55	3°30	12°33	26°58	13°39	10°43	1°27	23°D57	24°43	1°15	3°16	T 3
F 4	12 51 31	14°47'04	11♉ 9	18° 5	11° 8	4°10	12°32	26°54	13°42	10°42	1°28	23°57	24°40	1°22	3°12	F 4
S 5	12 55 27	15°46'14	24°37	18°46	12°22	4°49	12°31	26°50	13°46	10°41	1°29	23°58	24°37	1°28	3° 8	S 5
S 6	12 59 24	16°45'21	8♊17	19°30	13°35	5°29	12°31	26°45	13°49	10°39	1°31	23°59	24°34	1°35	3° 3	S 6
M 7	13 3 20	17°44'26	22° 8	20°18	14°48	6° 8	12°31	26°41	13°52	10°38	1°32	23°59	24°30	1°42	2°59	M 7
T 8	13 7 17	18°43'29	6♋ 8	21° 9	16° 1	6°48	12°D31	26°37	13°56	10°37	1°33	24° 0	24°27	1°49	2°54	T 8
W 9	13 11 14	19°42'30	20°17	22° 3	17°14	7°27	12°31	26°33	13°59	10°36	1°35	24°R 0	24°24	1°55	2°50	W 9
T 10	13 15 10	20°41'28	4♌32	23° 0	18°27	8° 7	12°31	26°28	14° 3	10°35	1°36	24° 0	24°21	2° 2	2°46	T 10
F 11	13 19 7	21°40'24	18°50	24° 0	19°40	8°46	12°32	26°24	14° 6	10°33	1°38	23°59	24°18	2° 9	2°41	F 11
S 12	13 23 3	22°39'17	3♍ 8	25° 3	20°53	9°26	12°32	26°20	14°10	10°32	1°39	23°59	24°15	2°15	2°37	S 12
S 13	13 27 0	23°38'09	17°23	26° 8	22° 6	10° 5	12°33	26°16	14°13	10°31	1°40	23°D59	24°11	2°22	2°32	S 13
M14	13 30 56	24°36'58	1♎31	27°16	23°19	10°44	12°34	26°13	14°16	10°30	1°42	23°59	24° 8	2°29	2°27	M14
T 15	13 34 53	25°35'45	15°27	28°27	24°31	11°23	12°36	26° 9	14°20	10°29	1°43	23°59	24° 5	2°36	2°23	T 15
W16	13 38 49	26°34'29	29° 9	29°39	25°44	12° 3	12°37	26° 5	14°23	10°28	1°44	23°R59	24° 2	2°42	2°18	W16
T 17	13 42 46	27°33'12	12♏34	0♈54	26°57	12°42	12°39	26° 1	14°26	10°27	1°46	23°59	23°59	2°49	2°14	T 17
F 18	13 46 43	28°31'54	25°40	2°11	28° 9	13°21	12°41	25°58	14°30	10°26	1°47	23°59	23°55	2°56	2° 9	F 18
S 19	13 50 39	29°30'33	8♐28	3°30	29°22	14° 0	12°43	25°54	14°33	10°25	1°49	23°58	23°52	3° 3	2° 4	S 19
S 20	13 54 36	0♉29'11	20°59	4°51	0♊34	14°40	12°45	25°51	14°36	10°24	1°50	23°57	23°49	3° 9	2° 0	S 20
M21	13 58 32	1°27'47	3♑14	6°14	1°47	15°19	12°47	25°47	14°40	10°23	1°51	23°56	23°46	3°16	1°55	M21
T 22	14 2 29	2°26'21	15°18	7°39	2°59	15°58	12°50	25°44	14°43	10°22	1°53	23°56	23°43	3°23	1°50	T 22
W23	14 6 25	3°24'53	27°14	9° 5	4°11	16°37	12°52	25°41	14°46	10°21	1°54	23°55	23°40	3°29	1°46	W23
T 24	14 10 22	4°23'24	9♒ 7	10°34	5°23	17°16	12°55	25°38	14°50	10°20	1°56	23°D55	23°36	3°36	1°41	T 24
F 25	14 14 18	5°21'54	21° 2	12° 4	6°36	17°55	12°58	25°34	14°53	10°20	1°57	23°56	23°33	3°43	1°36	F 25
S 26	14 18 15	6°20'21	3♓ 3	13°37	7°48	18°34	13° 2	25°31	14°56	10°19	1°58	23°56	23°30	3°50	1°32	S 26
S 27	14 22 12	7°18'47	15°14	15°11	9° 0	19°13	13° 5	25°28	14°59	10°18	2° 0	23°58	23°27	3°56	1°27	S 27
M28	14 26 8	8°17'11	27°39	16°47	10°12	19°53	13° 9	25°26	15° 3	10°17	2° 1	23°59	23°24	4° 3	1°22	M28
T 29	14 30 5	9°15'34	10♈21	18°25	11°24	20°32	13°12	25°23	15° 6	10°17	2° 2	24° 0	23°21	4°10	1°18	T 29
W30	14 34 1	10♉13'55	23♈22	20♈ 4	12♊36	21♊11	13♌16	25♍20	15♈ 9	10♍16	2♉ 4	24°R 0	23♈17	4♒16	1♏13	W30

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	4n40	0s58	1s58	5s47	0s29	13n55	0s 6	21n32	0n57	17n56	0n57	3n26	2n29	4n45	0s39	8n20	0n53	3s37	16s34	9n18	9n37	24s55	12s33	0n 6
W 2	5 3	5n 6	0 50	5 47	0 41	14 21	0 3	21 40	0 58	17 56	0 57	3 27	2 29	4 46	0 39	8 21	0 53	3 36	16 34	9 17	9 35	24 53	12 32	0 6
T 3	5 26	11 4	0n22	5 45	0 53	14 47	0 0	21 48	0 58	17 56	0 56	3 29	2 29	4 47	0 39	8 21	0 53	3 36	16 34	9 17	9 34	24 51	12 30	0 6
F 4	5 49	16 39	1 34	5 41	1 4	15 13	0n 3	21 56	0 58	17 56	0 56	3 31	2 29	4 49	0 39	8 22	0 53	3 35	16 34	9 17	9 33	24 50	12 28	0 7
S 5	6 12	21 32	2 42	5 35	1 14	15 38	0 6	22 3	0 59	17 57	0 56	3 33	2 29	4 50	0 39	8 22	0 53	3 35	16 34	9 18	9 32	24 48	12 26	0 7
S 6	6 35	25 19	3 42	5 27	1 24	16 3	0 9	22 11	0 59	17 57	0 56	3 34	2 29	4 51	0 39	8 23	0 53	3 34	16 33	9 18	9 31	24 46	12 24	0 7
M 7	6 58	27 40	4 29	5 16	1 33	16 27	0 11	22 18	0 59	17 57	0 56	3 36	2 29	4 53	0 39	8 23	0 53	3 34	16 33	9 18	9 30	24 45	12 23	0 8
T 8	7 20	28 18	5 2	5 4	1 42	16 51	0 14	22 25	1 0	17 56	0 56	3 38	2 29	4 54	0 39	8 24	0 52	3 33	16 33	9 18	9 28	24 43	12 21	0 8
W 9	7 42	27 6	5 16	4 50	1 50	17 15	0 17	22 32	1 0	17 56	0 56	3 39	2 29	4 55	0 39	8 24	0 52	3 33	16 33	9 18	9 27	24 41	12 19	0 9
T 10	8 5	24 9	5 11	4 35	1 58	17 38	0 20	22 39	1 0	17 56	0 56	3 41	2 29	4 57	0 39	8 24	0 52	3 32	16 33	9 18	9 26	24 40	12 17	0 9
F 11	8 27	19 44	4 48	4 17	2 5	18 1	0 23	22 45	1 1	17 56	0 56	3 42	2 29	4 58	0 39	8 25	0 52	3 32	16 33	9 18	9 25	24 38	12 15	0 9
S 12	8 49	14 10	4 6	3 58	2 11	18 23	0 26	22 52	1 1	17 56	0 56	3 44	2 29	4 59	0 39	8 25	0 52	3 31	16 33	9 18	9 24	24 36	12 13	0 10
S 13	9 10	7 53	3 9	3 37	2 17	18 45	0 29	22 58	1 1	17 55	0 56	3 45	2 29	5 1	0 39	8 26	0 52	3 31	16 33	9 18	9 23	24 35	12 11	0 10
M14	9 32	1 15	2 1	3 15	2 22	19 6	0 32	23 4	1 2	17 55	0 56	3 47	2 29	5 2	0 39	8 26	0 52	3 30	16 33	9 18	9 21	24 33	12 9	0 11
T 15	9 53	5s21	0 47	2 51	2 26	19 27	0 35	23 10	1 2	17 55	0 56	3 48	2 28	5 3	0 39	8 27	0 52	3 30	16 33	9 18	9 20	24 31	12 7	0 11
W16	10 15	11 37	0s29	2 26	2 30	19 47	0 37	23 15	1 2	17 54	0 55	3 50	2 28	5 5	0 39	8 27	0 52	3 29	16 33	9 18	9 19	24 30	12 5	0 11
T 17	10 36	17 12	1 41	2 0	2 34	20 7	0 40	23 21	1 3	17 53	0 55	3 51	2 28	5 6	0 39	8 27	0 52	3 29	16 33	9 18	9 18	24 28	12 4	0 12
F 18	10 57	21 52	2 47	1 32	2 37	20 27	0 43	23 26	1 3	17 53	0 55	3 52	2 28	5 7	0 39	8 28	0 52	3 28	16 33	9 18	9 17	24 26	12 2	0 12
S 19	11 18	25 22	3 42	1 3	2 39	20 45	0 46	23 31	1 3	17 52	0 55	3 54	2 28	5 8	0 39	8 28	0 52	3 28	16 33	9 18	9 16	24 25	12 0	0 12
S 20	11 38	27 32	4 26	0 32	2 41	21 4	0 49	23 36	1 3	17 52	0 55	3 55	2 28	5 10	0 39	8 28	0 52	3 27	16 33	9 17	9 14	24 23	11 58	0 13
M21	11 59	28 19	4 56	0 0	2 42	21 21	0 52	23 40	1 4	17 51	0 55	3 56	2 28	5 11	0 39	8 29	0 52	3 27	16 33	9 17	9 13	24 21	11 56	0 13
T 22	12 19	27 44	5 13	0n32	2 43	21 38	0 55	23 45	1 4	17 50	0 55	3 57	2 28	5 12	0 39	8 29	0 52	3 26	16 33	9 17	9 12	24 19	11 54	0 14
W23	12 39	25 52	5 16	1 6	2 43	21 55	0 57	23 49	1 4	17 49	0 55	3 58	2 28	5 14	0 39	8 29	0 52	3 26	16 33	9 17	9 11	24 18	11 52	0 14
T 24	12 59	22 52	5 5	1 42	2 42	22 11	1 0	23 53	1 4	17 48	0 55	4 0	2 27	5 15	0 39	8 30	0 52	3 25	16 33	9 17	9 10	24 16	11 50	0 14
F 25	13 18	18 56	4 42	2 18	2 41	22 26	1 3	23 57	1 5	17 47	0 55	4 1	2 27	5 16	0 39	8 30	0 52	3 25	16 33	9 17	9 9	24 14	11 48	0 15
S 26	13 38	14 12	4 6	2 55	2 40	22 41	1 6	24 1	1 5	17 46	0 55	4 2	2 27	5 17	0 39	8 30	0 52	3 24	16 33	9 17	9 7	24 12	11 46	0 15
S 27	13 57	8 52	3 18	3 33	2 38	22 55	1 8	24 4	1 5	17 45	0 55	4 3	2 27	5 19	0 39	8 31	0 52	3 24	16 33	9 18	9 6	24 10	11 44	0 15
M28	14 16	3 5	2 21	4 12	2 35	23 8	1 11	24 8	1 5	17 44	0 54	4 4	2 27	5 20	0 39	8 31	0 52	3 24	16 33	9 18	9 5	24 9	11 42	0 16
T 29	14 34	2n57	1 15	4 52	2 32	23 21	1 14	24 11	1 6	17 43	0 54	4 5	2 27	5 21	0 39	8 31	0 52	3 23	16 33	9 18	9 4	24 7	11 40	0 16
W30	14n53	9n 1	0s 3	5n33	2s28	23n33	1n16	24n14	1n 6	17n42	0n54	4n 6	2n27	5n22	0s39	8n31	0n52	3s23	16s33	9n19	9n 3	24s 5	11s38	0n16

Julian Day Number = 2487429.5, Delta T = 92.38 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'47, Lahiri = 25°13'47

ASTRODIENST EPHEMERIS for the year 2098
geocentric

MAY 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 37 58	11♉12'14	6♉43	21♈45	13♊47	21♊50	13♌20	25°R18	15♈12	10°R15	2♉ 5	24°R 0	23♈14	4♒23	1°R 9	T 1
F 2	14 41 54	12°10'32	20°22	23°29	14°59	22°29	13°25	25♍15	15°15	10♍15	2° 7	23♈59	23°11	4°30	1♏ 4	F 2
S 3	14 45 51	13° 8'48	4♊17	25°13	16°11	23° 7	13°29	25°13	15°19	10°14	2° 8	23°56	23° 8	4°37	1° 0	S 3
S 4	14 49 47	14° 7'02	18°25	27° 0	17°22	23°46	13°34	25°10	15°22	10°13	2° 9	23°54	23° 5	4°43	0°55	S 4
M 5	14 53 44	15° 5'14	2♋41	28°49	18°34	24°25	13°39	25° 8	15°25	10°13	2°11	23°51	23° 1	4°50	0°51	M 5
T 6	14 57 41	16° 3'25	17° 1	0♉39	19°45	25° 4	13°43	25° 6	15°28	10°12	2°12	23°49	22°58	4°57	0°46	T 6
W 7	15 1 37	17° 1'33	1♌20	2°31	20°57	25°43	13°49	25° 4	15°31	10°12	2°13	23°47	22°55	5° 4	0°42	W 7
T 8	15 5 34	17°59'39	15°35	4°25	22° 8	26°22	13°54	25° 2	15°34	10°12	2°15	23°D46	22°52	5°10	0°38	T 8
F 9	15 9 30	18°57'43	29°44	6°21	23°19	27° 1	13°59	25° 0	15°37	10°11	2°16	23°46	22°49	5°17	0°33	F 9
S 10	15 13 27	19°55'46	13♍44	8°18	24°31	27°40	14° 5	24°59	15°40	10°11	2°17	23°48	22°46	5°24	0°29	S 10
S 11	15 17 23	20°53'46	27°35	10°18	25°42	28°18	14°10	24°57	15°43	10°10	2°19	23°49	22°42	5°30	0°25	S 11
M12	15 21 20	21°51'44	11♎16	12°19	26°53	28°57	14°16	24°55	15°46	10°10	2°20	23°50	22°39	5°37	0°21	M12
T 13	15 25 16	22°49'41	24°46	14°21	28° 4	29°36	14°22	24°54	15°49	10°10	2°21	23°R51	22°36	5°44	0°17	T 13
W14	15 29 13	23°47'36	8♏ 3	16°26	29°15	0♋15	14°28	24°53	15°52	10°10	2°23	23°50	22°33	5°51	0°13	W14
T 15	15 33 10	24°45'30	21° 7	18°32	0♋25	0°53	14°35	24°51	15°54	10° 9	2°24	23°48	22°30	5°57	0° 9	T 15
F 16	15 37 6	25°43'22	3♐58	20°39	1°36	1°32	14°41	24°50	15°57	10° 9	2°25	23°44	22°27	6° 4	0° 5	F 16
S 17	15 41 3	26°41'12	16°36	22°47	2°47	2°11	14°48	24°49	16° 0	10° 9	2°27	23°39	22°23	6°11	0° 1	S 17
S 18	15 44 59	27°39'02	29° 0	24°56	3°57	2°49	14°54	24°48	16° 3	10° 9	2°28	23°33	22°20	6°17	29♎57	S 18
M19	15 48 56	28°36'49	11♑12	27° 7	5° 8	3°28	15° 1	24°47	16° 6	10° 9	2°29	23°27	22°17	6°24	29°54	M19
T 20	15 52 52	29°34'36	23°15	29°18	6°18	4° 7	15° 8	24°47	16° 8	10° 9	2°30	23°22	22°14	6°31	29°50	T 20
W21	15 56 49	0♊32'22	5♒11	1♊29	7°28	4°45	15°15	24°46	16°11	10°D 9	2°32	23°17	22°11	6°38	29°46	W21
T 22	16 0 45	1°30'06	17° 3	3°41	8°38	5°24	15°22	24°45	16°14	10° 9	2°33	23°15	22° 7	6°44	29°43	T 22
F 23	16 4 42	2°27'49	28°57	5°52	9°48	6° 3	15°30	24°45	16°16	10° 9	2°34	23°D13	22° 4	6°51	29°40	F 23
S 24	16 8 39	3°25'31	10♓56	8° 3	10°58	6°41	15°37	24°45	16°19	10° 9	2°35	23°14	22° 1	6°58	29°36	S 24
S 25	16 12 35	4°23'13	23° 7	10°14	12° 8	7°20	15°45	24°44	16°21	10° 9	2°37	23°15	21°58	7° 4	29°33	S 25
M26	16 16 32	5°20'53	5♈33	12°23	13°18	7°58	15°53	24°44	16°24	10° 9	2°38	23°16	21°55	7°11	29°30	M26
T 27	16 20 28	6°18'32	18°19	14°31	14°28	8°37	16° 0	24°D44	16°26	10°10	2°39	23°R17	21°52	7°18	29°27	T 27
W28	16 24 25	7°16'10	1♉27	16°38	15°38	9°15	16° 8	24°44	16°29	10°10	2°40	23°17	21°48	7°25	29°24	W28
T 29	16 28 21	8°13'47	15° 1	18°43	16°47	9°54	16°17	24°44	16°31	10°10	2°41	23°15	21°45	7°31	29°21	T 29
F 30	16 32 18	9°11'23	28°59	20°46	17°56	10°32	16°25	24°45	16°34	10°10	2°43	23°11	21°42	7°38	29°18	F 30
S 31	16 36 14	10♊ 8'58	13♊17	22♊47	19♋ 6	11♋11	16♌33	24♍45	16♈36	10♍11	2♉44	23♈ 5	21♈39	7♒45	29♎15	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	15n11	14n51	1n10	6n15	2s24	23n45	1n19	24n16	1n 6	17n40	0n54	4n 7	2n26	5n23	0s39	8n32	0n52	3s22	16s33	9n18	9n 2	24s 3	11s36	0n17
F 2	15 29	20 5	2 20	6 57	2 19	23 56	1 21	24 19	1 6	17 39	0 54	4 7	2 26	5 25	0 39	8 32	0 52	3 22	16 33	9 18	9 0	24 1	11 34	0 17
S 3	15 47	24 20	3 24	7 40	2 14	24 6	1 24	24 21	1 6	17 38	0 54	4 8	2 26	5 26	0 39	8 32	0 52	3 22	16 33	9 17	8 59	24 0	11 32	0 18
S 4	16 4	27 11	4 16	8 24	2 9	24 16	1 26	24 23	1 7	17 36	0 54	4 9	2 26	5 27	0 39	8 32	0 52	3 21	16 33	9 16	8 58	23 58	11 30	0 18
M 5	16 21	28 17	4 53	9 8	2 2	24 25	1 29	24 25	1 7	17 35	0 54	4 10	2 26	5 28	0 39	8 32	0 52	3 21	16 33	9 15	8 57	23 56	11 29	0 18
T 6	16 38	27 30	5 12	9 53	1 56	24 33	1 31	24 27	1 7	17 33	0 54	4 10	2 26	5 29	0 39	8 33	0 52	3 20	16 33	9 14	8 56	23 54	11 27	0 19
W 7	16 55	24 55	5 11	10 39	1 49	24 41	1 34	24 29	1 7	17 32	0 54	4 11	2 25	5 31	0 39	8 33	0 52	3 20	16 33	9 14	8 54	23 52	11 25	0 19
T 8	17 11	20 48	4 52	11 24	1 41	24 47	1 36	24 30	1 7	17 30	0 54	4 12	2 25	5 32	0 39	8 33	0 52	3 20	16 33	9 13	8 53	23 50	11 23	0 19
F 9	17 27	15 32	4 15	12 10	1 33	24 54	1 38	24 31	1 7	17 29	0 54	4 12	2 25	5 33	0 39	8 33	0 52	3 19	16 33	9 13	8 52	23 49	11 21	0 20
S 10	17 43	9 30	3 22	12 56	1 24	24 59	1 40	24 32	1 8	17 27	0 53	4 13	2 25	5 34	0 39	8 33	0 52	3 19	16 33	9 14	8 51	23 47	11 19	0 20
S 11	17 58	3 5	2 19	13 42	1 16	25 4	1 42	24 33	1 8	17 25	0 53	4 13	2 25	5 35	0 39	8 33	0 52	3 19	16 33	9 14	8 50	23 45	11 18	0 20
M12	18 13	3s24	1 8	14 28	1 6	25 8	1 44	24 33	1 8	17 24	0 53	4 14	2 25	5 36	0 39	8 33	0 52	3 18	16 33	9 15	8 49	23 43	11 16	0 21
T 13	18 28	9 40	0s 5	15 14	0 57	25 11	1 46	24 34	1 8	17 22	0 53	4 14	2 24	5 37	0 39	8 33	0 52	3 18	16 34	9 15	8 47	23 41	11 14	0 21
W14	18 43	15 24	1 17	15 59	0 47	25 14	1 48	24 34	1 8	17 20	0 53	4 14	2 24	5 38	0 39	8 33	0 52	3 18	16 34	9 15	8 46	23 39	11 12	0 21
T 15	18 57	20 20	2 24	16 44	0 37	25 16	1 50	24 34	1 8	17 18	0 53	4 15	2 24	5 40	0 39	8 33	0 52	3 17	16 34	9 14	8 45	23 37	11 11	0 22
F 16	19 11	24 14	3 22	17 29	0 27	25 17	1 52	24 34	1 9	17 16	0 53	4 15	2 24	5 41	0 39	8 34	0 52	3 17	16 34	9 12	8 44	23 35	11 9	0 22
S 17	19 24	26 52	4 8	18 12	0 16	25 18	1 54	24 33	1 9	17 14	0 53	4 15	2 24	5 42	0 39	8 34	0 52	3 17	16 34	9 11	8 43	23 33	11 7	0 23
S 18	19 38	28 8	4 43	18 54	0 6	25 18	1 56	24 33	1 9	17 12	0 53	4 16	2 23	5 43	0 39	8 34	0 52	3 16	16 34	9 8	8 41	23 31	11 6	0 23
M19	19 51	28 0	5 4	19 35	0n 5	25 17	1 57	24 32	1 9	17 10	0 53	4 16	2 23	5 44	0 39	8 34	0 52	3 16	16 34	9 6	8 40	23 30	11 4	0 23
T 20	20 3	26 32	5 11	20 14	0 15	25 15	1 59	24 31	1 9	17 8	0 53	4 16	2 23	5 45	0 39	8 34	0 52	3 16	16 34	9 4	8 39	23 28	11 2	0 24
W21	20 15	23 52	5 4	20 52	0 26	25 13	2 0	24 30	1 9	17 6	0 53	4 16	2 23	5 46	0 39	8 34	0 52	3 16	16 35	9 3	8 38	23 26	11 1	0 24
T 22	20 27	20 14	4 44	21 28	0 36	25 10	2 2	24 28	1 9	17 3	0 53	4 16	2 23	5 47	0 39	8 34	0 52	3 15	16 35	9 2	8 37	23 24	10 59	0 24
F 23	20 39	15 46	4 12	22 2	0 46	25 7	2 3	24 27	1 9	17 1	0 53	4 16	2 22	5 48	0 39	8 34	0 52	3 15	16 35	9 1	8 36	23 22	10 58	0 25
S 24	20 50	10 41	3 29	22 33	0 56	25 2	2 4	24 25	1 10	16 59	0 52	4 16	2 22	5 49	0 39	8 33	0 52	3 15	16 35	9 1	8 34	23 20	10 56	0 25
S 25	21 1	5 7	2 36	23 2	1 5	24 57	2 5	24 23	1 10	16 57	0 52	4 16	2 22	5 50	0 39	8 33	0 52	3 15	16 35	9 2	8 33	23 18	10 55	0 25
M26	21 11	0n45	1 35	23 29	1 14	24 52	2 6	24 21	1 10	16 54	0 52	4 16	2 22	5 51	0 39	8 33	0 52	3 14	16 35	9 2	8 32	23 16	10 53	0 26
T 27	21 21	6 46	0 27	23 53	1 22	24 45	2 7	24 19	1 10	16 52	0 52	4 15	2 22	5 52	0 39	8 33	0 52	3 14	16 36	9 3	8 31	23 14	10 52	0 26
W28	21 31	12 40	0n44	24 14	1 29	24 38	2 8	24 16	1 10	16 49	0 52	4 15	2 21	5 53	0 39	8 33	0 52	3 14	16 36	9 3	8 30	23 12	10 51	0 26
T 29	21 40	18 10	1 55	24 33	1 36	24 31	2 9	24 13	1 10	16 47	0 52	4 15	2 21	5 53	0 39	8 33	0 52	3 14	16 36	9 2	8 28	23 10	10 49	0 27
F 30	21 49	22 51	3 0	24 49	1 43	24 22	2 10	24 11	1 10	16 44	0 52	4 15	2 21	5 54	0 39	8 33	0 52	3 13	16 36	9 0	8 27	23 8	10 48	0 27
S 31	21n58	26n18	3n56	25n 2	1n48	24n13	2n10	24n 8	1n10	16n42	0n52	4n14	2n21	5n55	0s39	8n33	0n52	3s13	16s36	8n58	8n26	23s 6	10s47	0n27

Julian Day Number = 2487459.5, Delta T = 92.42 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'51, Lahiri = 25°13'51

ASTRODIENST EPHEMERIS for the year 2098
geocentric

JUNE 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 40 11	11♊ 6'33	27♊52	24♊46	20♋15	11♋49	16♌42	24♍46	16♈38	10♍11	2♉45	22°R58	21♈36	7♒52	29°R13	S 1
M 2	16 44 8	12° 4'05	12♋35	26°43	21°24	12°28	16°50	24°46	16°41	10°11	2°46	22♈51	21°33	7°58	29♎10	M 2
T 3	16 48 4	13° 1'37	27°20	28°37	22°33	13° 6	16°59	24°47	16°43	10°12	2°47	22°44	21°29	8° 5	29° 8	T 3
W 4	16 52 1	13°59'08	11♌58	0♋29	23°42	13°45	17° 8	24°48	16°45	10°12	2°48	22°39	21°26	8°12	29° 5	W 4
T 5	16 55 57	14°56'37	26°24	2°18	24°51	14°23	17°17	24°49	16°47	10°13	2°49	22°35	21°23	8°18	29° 3	T 5
F 6	16 59 54	15°54'04	10♍35	4° 5	25°59	15° 1	17°26	24°50	16°49	10°13	2°50	22°D34	21°20	8°25	29° 1	F 6
S 7	17 3 50	16°51'31	24°30	5°49	27° 8	15°40	17°35	24°51	16°52	10°14	2°51	22°34	21°17	8°32	28°59	S 7
S 8	17 7 47	17°48'56	8♎ 7	7°30	28°16	16°18	17°44	24°52	16°54	10°14	2°52	22°35	21°13	8°39	28°57	S 8
M 9	17 11 44	18°46'20	21°30	9° 9	29°25	16°56	17°53	24°53	16°56	10°15	2°53	22°R35	21°10	8°45	28°55	M 9
T 10	17 15 40	19°43'43	4♏38	10°45	0♌33	17°35	18° 3	24°55	16°58	10°16	2°54	22°34	21° 7	8°52	28°53	T 10
W11	17 19 37	20°41'05	17°33	12°18	1°41	18°13	18°12	24°56	17° 0	10°16	2°55	22°32	21° 4	8°59	28°51	W11
T 12	17 23 33	21°38'27	0♐17	13°48	2°49	18°51	18°22	24°58	17° 1	10°17	2°56	22°27	21° 1	9° 5	28°50	T 12
F 13	17 27 30	22°35'47	12°51	15°16	3°56	19°30	18°32	24°59	17° 3	10°18	2°57	22°19	20°58	9°12	28°48	F 13
S 14	17 31 26	23°33'07	25°14	16°40	5° 4	20° 8	18°41	25° 1	17° 5	10°19	2°58	22° 9	20°54	9°19	28°47	S 14
S 15	17 35 23	24°30'25	7♑28	18° 2	6°11	20°46	18°51	25° 3	17° 7	10°19	2°59	21°58	20°51	9°26	28°46	S 15
M16	17 39 19	25°27'44	19°34	19°21	7°19	21°25	19° 1	25° 5	17° 9	10°20	3° 0	21°47	20°48	9°32	28°45	M16
T 17	17 43 16	26°25'02	1♒33	20°37	8°26	22° 3	19°11	25° 7	17°10	10°21	3° 1	21°36	20°45	9°39	28°44	T 17
W18	17 47 13	27°22'19	13°26	21°50	9°33	22°41	19°22	25° 9	17°12	10°22	3° 2	21°27	20°42	9°46	28°43	W18
T 19	17 51 9	28°19'36	25°17	23° 0	10°40	23°19	19°32	25°12	17°14	10°23	3° 3	21°20	20°39	9°52	28°42	T 19
F 20	17 55 6	29°16'52	7♓ 9	24° 7	11°46	23°58	19°42	25°14	17°15	10°24	3° 4	21°15	20°35	9°59	28°41	F 20
S 21	17 59 2	0♋14'08	19° 7	25°10	12°53	24°36	19°53	25°16	17°17	10°25	3° 5	21°13	20°32	10° 6	28°40	S 21
S 22	18 2 59	1°11'24	1♈15	26°11	13°59	25°14	20° 3	25°19	17°18	10°26	3° 5	21°D12	20°29	10°13	28°40	S 22
M23	18 6 55	2° 8'40	13°39	27° 8	15° 5	25°52	20°14	25°22	17°20	10°27	3° 6	21°12	20°26	10°19	28°39	M23
T 24	18 10 52	3° 5'56	26°23	28° 1	16°11	26°30	20°24	25°24	17°21	10°28	3° 7	21°R12	20°23	10°26	28°39	T 24
W25	18 14 48	4° 3'11	9♉32	28°51	17°17	27° 9	20°35	25°27	17°22	10°29	3° 8	21°11	20°19	10°33	28°39	W25
T 26	18 18 45	5° 0'27	23° 8	29°38	18°23	27°47	20°46	25°30	17°24	10°30	3° 9	21° 8	20°16	10°39	28°D39	T 26
F 27	18 22 42	5°57'42	7♊14	0♌21	19°28	28°25	20°57	25°33	17°25	10°31	3° 9	21° 2	20°13	10°46	28°39	F 27
S 28	18 26 38	6°54'57	21°45	0°59	20°33	29° 3	21° 8	25°36	17°26	10°32	3°10	20°54	20°10	10°53	28°39	S 28
S 29	18 30 35	7°52'13	6♋37	1°34	21°39	29°41	21°19	25°40	17°27	10°34	3°11	20°44	20° 7	11° 0	28°39	S 29
M30	18 34 31	8♋49'28	21♋42	2♌ 5	22♌43	0♌19	21♌30	25♍43	17♈28	10♍35	3♉11	20♈33	20♈ 4	11♒ 6	28♎40	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	22n 6	28n 3	4n38	25n13	1n53	24n 4	2n11	24n 4	1n10	16n39	0n52	4n14	2n21	5n56	0s39	8n33	0n52	3s13	16s36	8n56	8n25	23s 4	10s46	0n28
M 2	22 14	27 50	5 2	25 21	1 58	23 53	2 11	24 1	1 10	16 36	0 52	4 14	2 20	5 57	0 39	8 32	0 52	3 13	16 37	8 53	8 24	23 2	10 44	0 28
T 3	22 21	25 41	5 6	25 26	2 1	23 43	2 12	23 57	1 10	16 34	0 52	4 13	2 20	5 58	0 39	8 32	0 52	3 13	16 37	8 50	8 23	23 0	10 43	0 28
W 4	22 28	21 50	4 50	25 29	2 4	23 31	2 12	23 53	1 11	16 31	0 52	4 13	2 20	5 59	0 39	8 32	0 52	3 13	16 37	8 48	8 21	22 58	10 42	0 28
T 5	22 35	16 42	4 15	25 30	2 6	23 19	2 12	23 49	1 11	16 28	0 52	4 12	2 20	5 59	0 39	8 32	0 52	3 12	16 37	8 47	8 20	22 56	10 41	0 29
F 6	22 41	10 46	3 26	25 28	2 7	23 6	2 12	23 45	1 11	16 25	0 52	4 11	2 20	6 0	0 39	8 32	0 52	3 12	16 38	8 46	8 19	22 54	10 40	0 29
S 7	22 47	4 24	2 25	25 25	2 7	22 53	2 12	23 41	1 11	16 23	0 52	4 11	2 19	6 1	0 39	8 31	0 52	3 12	16 38	8 47	8 18	22 52	10 39	0 29
S 8	22 52	2s 3	1 17	25 19	2 6	22 39	2 12	23 36	1 11	16 20	0 52	4 10	2 19	6 2	0 39	8 31	0 52	3 12	16 38	8 47	8 17	22 50	10 38	0 30
M 9	22 57	8 17	0 6	25 12	2 5	22 25	2 12	23 32	1 11	16 17	0 52	4 9	2 19	6 3	0 39	8 31	0 51	3 12	16 38	8 47	8 15	22 48	10 37	0 30
T 10	23 2	14 4	1s 4	25 2	2 3	22 10	2 12	23 27	1 11	16 14	0 51	4 9	2 19	6 3	0 39	8 31	0 51	3 12	16 38	8 47	8 14	22 46	10 36	0 30
W11	23 6	19 8	2 9	24 52	2 0	21 54	2 11	23 22	1 11	16 11	0 51	4 8	2 19	6 4	0 39	8 30	0 51	3 12	16 39	8 46	8 13	22 43	10 35	0 31
T 12	23 10	23 15	3 7	24 39	1 57	21 38	2 11	23 16	1 11	16 8	0 51	4 7	2 18	6 5	0 39	8 30	0 51	3 12	16 39	8 44	8 12	22 41	10 34	0 31
F 13	23 13	26 12	3 55	24 25	1 53	21 22	2 10	23 11	1 11	16 5	0 51	4 6	2 18	6 5	0 39	8 30	0 51	3 12	16 39	8 41	8 11	22 39	10 33	0 31
S 14	23 16	27 51	4 30	24 10	1 48	21 5	2 9	23 5	1 11	16 2	0 51	4 5	2 18	6 6	0 39	8 30	0 51	3 12	16 39	8 37	8 9	22 37	10 33	0 32
S 15	23 19	28 6	4 53	23 54	1 42	20 47	2 8	23 0	1 11	15 59	0 51	4 4	2 18	6 7	0 39	8 29	0 51	3 11	16 40	8 33	8 8	22 35	10 32	0 32
M16	23 21	26 59	5 2	23 37	1 36	20 29	2 7	22 54	1 11	15 55	0 51	4 3	2 18	6 7	0 39	8 29	0 51	3 11	16 40	8 29	8 7	22 33	10 31	0 32
T 17	23 23	24 39	4 58	23 19	1 29	20 11	2 6	22 48	1 11	15 52	0 51	4 2	2 17	6 8	0 40	8 29	0 51	3 11	16 40	8 25	8 6	22 31	10 31	0 32
W18	23 24	21 16	4 41	23 0	1 21	19 52	2 5	22 41	1 11	15 49	0 51	4 1	2 17	6 9	0 40	8 28	0 51	3 11	16 40	8 21	8 5	22 29	10 30	0 33
T 19	23 25	17 2	4 12	22 40	1 13	19 32	2 3	22 35	1 11	15 46	0 51	4 0	2 17	6 9	0 40	8 28	0 51	3 11	16 41	8 19	8 3	22 27	10 29	0 33
F 20	23 26	12 9	3 32	22 20	1 4	19 12	2 2	22 28	1 11	15 43	0 51	3 59	2 17	6 10	0 40	8 27	0 51	3 11	16 41	8 17	8 2	22 25	10 29	0 33
S 21	23 26	6 47	2 42	21 59	0 54	18 52	2 0	22 22	1 11	15 39	0 51	3 58	2 17	6 10	0 40	8 27	0 51	3 11	16 41	8 16	8 1	22 22	10 28	0 34
S 22	23 25	1 6	1 44	21 37	0 44	18 31	1 59	22 15	1 11	15 36	0 51	3 57	2 16	6 11	0 40	8 27	0 51	3 11	16 41	8 16	8 0	22 20	10 28	0 34
M23	23 25	4n46	0 40	21 16	0 33	18 10	1 57	22 8	1 11	15 32	0 51	3 56	2 16	6 11	0 40	8 26	0 51	3 11	16 42	8 16	7 59	22 18	10 28	0 34
T 24	23 24	10 36	0n27	20 54	0 22	17 48	1 55	22 1	1 11	15 29	0 51	3 54	2 16	6 12	0 40	8 26	0 51	3 11	16 42	8 16	7 57	22 16	10 27	0 34
W25	23 22	16 10	1 36	20 32	0 10	17 26	1 53	21 53	1 11	15 26	0 51	3 53	2 16	6 12	0 40	8 25	0 51	3 11	16 42	8 16	7 56	22 14	10 27	0 35
T 26	23 20	21 8	2 41	20 10	0s 3	17 4	1 51	21 46	1 11	15 22	0 51	3 52	2 16	6 13	0 40	8 25	0 51	3 11	16 43	8 14	7 55	22 12	10 27	0 35
F 27	23 18	25 5	3 38	19 49	0 16	16 41	1 48	21 38	1 11	15 19	0 51	3 50	2 15	6 13	0 40	8 25	0 51	3 11	16 43	8 12	7 54	22 9	10 26	0 35
S 28	23 15	27 33	4 23	19 27	0 29	16 18	1 46	21 30	1 11	15 15	0 51	3 49	2 15	6 14	0 40	8 24	0 51	3 11	16 43	8 9	7 53	22 7	10 26	0 36
S 29	23 12	28 7	4 52	19 6	0 43	15 55	1 43	21 22	1 11	15 11	0 51	3 47	2 15	6 14	0 40	8 24	0 51	3 11	16 44	8 5	7 52	22 5	10 26	0 36
M30	23n 8	26n38	5n 1	18n45	0s58	15n31	1n41	21n14	1n11	15n 8	0n51	3n46	2n15	6n15	0s40	8n23	0n51	3s12	16s44	8n 1	7n50	22s 3	10s26	0n36

Julian Day Number = 2487490.5, Delta T = 92.45 sec
Ecliptic obliquity = 23°25'43, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'55, Lahiri = 25°13'56

ASTRODIENST EPHEMERIS for the year 2098
geocentric

JULY 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 38 28	9♋46'42	6♌49	2♌31	23♌48	0♌58	21♌41	25♍46	17♈29	10♍36	3♉12	20°R23	20♈ 0	11♒13	28♎40	T 1
W 2	18 42 24	10°43'57	21°47	2°54	24°52	1°36	21°53	25°50	17°30	10°37	3°13	20♈15	19°57	11°20	28°41	W 2
T 3	18 46 21	11°41'11	6♍30	3°11	25°57	2°14	22° 4	25°53	17°31	10°39	3°13	20° 9	19°54	11°26	28°41	T 3
F 4	18 50 18	12°38'24	20°52	3°24	27° 1	2°52	22°15	25°57	17°32	10°40	3°14	20° 6	19°51	11°33	28°42	F 4
S 5	18 54 14	13°35'37	4♎50	3°33	28° 4	3°30	22°27	26° 1	17°33	10°41	3°15	20° 4	19°48	11°40	28°43	S 5
S 6	18 58 11	14°32'50	18°26	3°R37	29° 8	4° 8	22°38	26° 5	17°34	10°43	3°15	20° 4	19°45	11°47	28°44	S 6
M 7	19 2 7	15°30'02	1♏40	3°36	0♍11	4°46	22°50	26° 8	17°35	10°44	3°16	20° 4	19°41	11°53	28°45	M 7
T 8	19 6 4	16°27'15	14°36	3°31	1°14	5°24	23° 2	26°12	17°35	10°46	3°16	20° 2	19°38	12° 0	28°47	T 8
W 9	19 10 0	17°24'27	27°17	3°21	2°17	6° 2	23°13	26°16	17°36	10°47	3°17	19°59	19°35	12° 7	28°48	W 9
T 10	19 13 57	18°21'39	9♐46	3° 6	3°19	6°41	23°25	26°21	17°37	10°49	3°17	19°52	19°32	12°13	28°49	T 10
F 11	19 17 53	19°18'51	22° 5	2°47	4°22	7°19	23°37	26°25	17°37	10°50	3°18	19°43	19°29	12°20	28°51	F 11
S 12	19 21 50	20°16'03	4♑16	2°24	5°23	7°57	23°49	26°29	17°38	10°52	3°18	19°31	19°25	12°27	28°53	S 12
S 13	19 25 47	21°13'15	16°20	1°57	6°25	8°35	24° 1	26°34	17°38	10°53	3°19	19°18	19°22	12°34	28°54	S 13
M14	19 29 43	22°10'28	28°19	1°27	7°26	9°13	24°13	26°38	17°39	10°55	3°19	19° 4	19°19	12°40	28°56	M14
T 15	19 33 40	23° 7'40	10♒13	0°53	8°27	9°51	24°25	26°43	17°39	10°56	3°19	18°51	19°16	12°47	28°58	T 15
W16	19 37 36	24° 4'53	22° 4	0°17	9°28	10°29	24°37	26°47	17°40	10°58	3°20	18°39	19°13	12°54	29° 0	W16
T 17	19 41 33	25° 2'06	3♓55	29♋39	10°28	11° 7	24°49	26°52	17°40	11° 0	3°20	18°31	19°10	13° 0	29° 3	T 17
F 18	19 45 29	25°59'20	15°47	28°59	11°28	11°45	25° 1	26°57	17°40	11° 1	3°20	18°24	19° 6	13° 7	29° 5	F 18
S 19	19 49 26	26°56'35	27°45	28°19	12°28	12°23	25°13	27° 1	17°40	11° 3	3°21	18°21	19° 3	13°14	29° 7	S 19
S 20	19 53 22	27°53'50	9♈53	27°38	13°27	13° 1	25°25	27° 6	17°41	11° 5	3°21	18°19	19° 0	13°21	29°10	S 20
M21	19 57 19	28°51'05	22°15	26°58	14°26	13°39	25°38	27°11	17°41	11° 6	3°21	18°19	18°57	13°27	29°13	M21
T 22	20 1 16	29°48'22	4♉56	26°20	15°24	14°17	25°50	27°16	17°41	11° 8	3°22	18°19	18°54	13°34	29°15	T 22
W23	20 5 12	0♌45'39	18° 1	25°43	16°22	14°55	26° 2	27°21	17°R41	11°10	3°22	18°18	18°51	13°41	29°18	W23
T 24	20 9 9	1°42'57	1♊34	25°10	17°20	15°33	26°15	27°27	17°41	11°12	3°22	18°15	18°47	13°47	29°21	T 24
F 25	20 13 5	2°40'17	15°36	24°39	18°17	16°11	26°27	27°32	17°41	11°14	3°22	18°10	18°44	13°54	29°24	F 25
S 26	20 17 2	3°37'37	0♋ 7	24°13	19°14	16°49	26°40	27°37	17°40	11°15	3°22	18° 2	18°41	14° 1	29°27	S 26
S 27	20 20 58	4°34'57	15° 2	23°51	20°11	17°27	26°52	27°42	17°40	11°17	3°22	17°53	18°38	14° 8	29°30	S 27
M28	20 24 55	5°32'19	0♌14	23°34	21° 7	18° 6	27° 5	27°48	17°40	11°19	3°23	17°43	18°35	14°14	29°34	M28
T 29	20 28 51	6°29'41	15°32	23°22	22° 2	18°44	27°18	27°53	17°40	11°21	3°23	17°33	18°31	14°21	29°37	T 29
W30	20 32 48	7°27'04	0♍44	23°16	22°57	19°22	27°30	27°59	17°39	11°23	3°23	17°25	18°28	14°28	29°41	W30
T 31	20 36 45	8♌24'27	15♍42	23°D16	23♍51	20♌ 0	27♌43	28♍ 5	17♈39	11♍25	3♉23	17♈19	18♈25	14♒34	29♎44	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	23n 4	23n13	4n49	18n25	1s12	15n 7	1n38	21n 6	1n11	15n 4	0n51	3n44	2n15	6n15	0s40	8n23	0n51	3s12	16s44	7n58	7n49	22s 1	10s26	0n36
W 2	23 0	18 17	4 17	18 5	1 27	14 43	1 35	20 57	1 11	15 1	0 51	3 43	2 14	6 15	0 40	8 22	0 51	3 12	16 44	7 54	7 48	21 58	10 26	0 37
T 3	22 55	12 21	3 28	17 46	1 42	14 18	1 32	20 49	1 11	14 57	0 51	3 41	2 14	6 16	0 40	8 22	0 51	3 12	16 45	7 52	7 47	21 56	10 26	0 37
F 4	22 50	5 53	2 28	17 28	1 58	13 54	1 29	20 40	1 11	14 53	0 51	3 40	2 14	6 16	0 40	8 21	0 51	3 12	16 45	7 51	7 46	21 54	10 26	0 37
S 5	22 44	0s42	1 20	17 11	2 13	13 28	1 25	20 31	1 11	14 49	0 51	3 38	2 14	6 16	0 40	8 21	0 51	3 12	16 45	7 51	7 44	21 52	10 26	0 37
S 6	22 38	7 5	0 9	16 55	2 29	13 3	1 22	20 22	1 11	14 46	0 51	3 36	2 14	6 17	0 40	8 20	0 51	3 12	16 46	7 51	7 43	21 50	10 26	0 38
M 7	22 32	13 0	1s 1	16 41	2 44	12 37	1 18	20 13	1 11	14 42	0 51	3 35	2 14	6 17	0 40	8 19	0 51	3 12	16 46	7 50	7 42	21 47	10 26	0 38
T 8	22 25	18 13	2 6	16 27	2 59	12 12	1 15	20 3	1 11	14 38	0 51	3 33	2 13	6 17	0 40	8 19	0 51	3 12	16 46	7 50	7 41	21 45	10 26	0 38
W 9	22 18	22 31	3 3	16 15	3 14	11 46	1 11	19 54	1 11	14 34	0 51	3 31	2 13	6 17	0 40	8 18	0 51	3 12	16 47	7 48	7 40	21 43	10 27	0 39
T 10	22 10	25 42	3 50	16 4	3 28	11 19	1 7	19 44	1 11	14 30	0 51	3 29	2 13	6 17	0 40	8 18	0 51	3 13	16 47	7 46	7 38	21 41	10 27	0 39
F 11	22 2	27 37	4 26	15 55	3 42	10 53	1 3	19 35	1 11	14 26	0 51	3 27	2 13	6 18	0 40	8 17	0 51	3 13	16 47	7 42	7 37	21 38	10 27	0 39
S 12	21 54	28 11	4 49	15 48	3 55	10 26	0 59	19 25	1 11	14 22	0 51	3 26	2 13	6 18	0 40	8 17	0 51	3 13	16 48	7 38	7 36	21 36	10 27	0 39
S 13	21 45	27 23	4 59	15 42	4 8	10 0	0 54	19 15	1 11	14 18	0 51	3 24	2 12	6 18	0 40	8 16	0 51	3 13	16 48	7 33	7 35	21 34	10 28	0 40
M14	21 36	25 19	4 56	15 37	4 19	9 33	0 50	19 5	1 11	14 14	0 51	3 22	2 12	6 18	0 40	8 15	0 51	3 13	16 48	7 28	7 34	21 32	10 28	0 40
T 15	21 27	22 9	4 39	15 35	4 29	9 6	0 45	18 54	1 11	14 10	0 51	3 20	2 12	6 18	0 40	8 15	0 51	3 13	16 49	7 23	7 32	21 29	10 29	0 40
W16	21 17	18 6	4 11	15 34	4 38	8 38	0 40	18 44	1 11	14 6	0 51	3 18	2 12	6 18	0 40	8 14	0 51	3 14	16 49	7 18	7 31	21 27	10 29	0 40
T 17	21 7	13 21	3 32	15 34	4 45	8 11	0 35	18 34	1 10	14 2	0 51	3 16	2 12	6 18	0 40	8 14	0 51	3 14	16 49	7 15	7 30	21 25	10 30	0 41
F 18	20 56	8 6	2 43	15 37	4 51	7 44	0 30	18 23	1 10	13 58	0 51	3 14	2 12	6 19	0 40	8 13	0 51	3 14	16 50	7 13	7 29	21 22	10 30	0 41
S 19	20 46	2 31	1 47	15 40	4 55	7 16	0 25	18 12	1 10	13 54	0 51	3 12	2 12	6 19	0 40	8 12	0 51	3 14	16 50	7 11	7 27	21 20	10 31	0 41
S 20	20 34	3n14	0 45	15 46	4 57	6 49	0 20	18 1	1 10	13 50	0 51	3 10	2 11	6 19	0 40	8 12	0 51	3 14	16 50	7 11	7 26	21 18	10 32	0 41
M21	20 23	8 59	0n21	15 52	4 58	6 21	0 14	17 50	1 10	13 46	0 51	3 7	2 11	6 19	0 40	8 11	0 51	3 15	16 51	7 11	7 25	21 16	10 32	0 42
T 22	20 11	14 31	1 27	16 0	4 57	5 53	0 9	17 39	1 10	13 42	0 51	3 5	2 11	6 19	0 41	8 10	0 51	3 15	16 51	7 11	7 24	21 13	10 33	0 42
W23	19 59	19 36	2 30	16 10	4 55	5 25	0 3	17 28	1 10	13 38	0 51	3 3	2 11	6 19	0 41	8 10	0 51	3 15	16 51	7 10	7 23	21 11	10 34	0 42
T 24	19 46	23 51	3 28	16 20	4 50	4 58	0s 3	17 17	1 10	13 33	0 51	3 1	2 11	6 19	0 41	8 9	0 51	3 15	16 52	7 9	7 21	21 9	10 35	0 42
F 25	19 33	26 52	4 15	16 31	4 45	4 30	0 9	17 5	1 10	13 29	0 51	2 59	2 11	6 19	0 41	8 8	0 51	3 16	16 52	7 7	7 20	21 6	10 36	0 43
S 26	19 20	28 13	4 47	16 43	4 37	4 2	0 15	16 54	1 10	13 25	0 51	2 57	2 10	6 18	0 41	8 7	0 51	3 16	16 52	7 4	7 19	21 4	10 36	0 43
S 27	19 7	27 34	5 1	16 55	4 28	3 34	0 21	16 42	1 10	13 21	0 51	2 54	2 10	6 18	0 41	8 7	0 51	3 16	16 53	7 1	7 18	21 2	10 37	0 43
M28	18 53	24 53	4 55	17 8	4 18	3 6	0 27	16 30	1 10	13 16	0 51	2 52	2 10	6 18	0 41	8 6	0 51	3 17	16 53	6 57	7 17	20 59	10 38	0 43
T 29	18 38	20 25	4 27	17 21	4 7	2 38	0 34	16 18	1 9	13 12	0 51	2 50	2 10	6 18	0 41	8 5	0 51	3 17	16 53	6 53	7 15	20 57	10 39	0 44
W30	18 24	14 38	3 40	17 34	3 55	2 11	0 40	16 6	1 9	13 8	0 51	2 47	2 10	6 18	0 41	8 5	0 51	3 17	16 54	6 50	7 14	20 55	10 40	0 44
T 31	18n 9	8n 5	2n39	17n47	3s41	1n43	0s47	15n54	1n 9	13n 3	0n51	2n45	2n10	6n18	0s41	8n 4	0n51	3s17	16s54	6n48	7n13	20s52	10s41	0n44

Julian Day Number = 2487520.5, Delta T = 92.49 sec
Ecliptic obliquity = 23°25'43, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°06'59, Lahiri = 25°14'00

ASTRODIENST EPHEMERIS for the year 2098
geocentric

AUGUST 2098

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 40 41	9♌21'51	0♎16	23♋22	24♍45	20♌38	27♌56	28♍10	17°R39	11♍27	3♉23	17°R16	18♈22	14♒41	29♎48	F 1
S 2	20 44 38	10°19'16	14°24	23°34	25°39	21°16	28° 8	28°16	17♈38	11°29	3°R23	17°D15	18°19	14°48	29°52	S 2
S 3	20 48 34	11°16'41	28° 5	23°52	26°31	21°54	28°21	28°22	17°38	11°31	3°23	17♈15	18°16	14°55	29°56	S 3
M 4	20 52 31	12°14'07	11♏21	24°17	27°24	22°32	28°34	28°28	17°37	11°33	3°23	17°R16	18°12	15° 1	29°59	M 4
T 5	20 56 27	13°11'33	24°15	24°48	28°15	23°10	28°47	28°34	17°36	11°35	3°23	17°15	18° 9	15° 8	0♏ 4	T 5
W 6	21 0 24	14° 9'00	6♐50	25°26	29° 6	23°48	28°59	28°40	17°36	11°37	3°23	17°13	18° 6	15°15	0° 8	W 6
T 7	21 4 20	15° 6'28	19°11	26°10	29°56	24°26	29°12	28°46	17°35	11°39	3°23	17° 8	18° 3	15°21	0°13	T 7
F 8	21 8 17	16° 3'56	1♑22	27° 0	0♎46	25° 4	29°25	28°52	17°34	11°41	3°23	17° 1	18° 0	15°28	0°17	F 8
S 9	21 12 14	17° 1'26	13°24	27°56	1°35	25°42	29°38	28°58	17°33	11°43	3°22	16°52	17°57	15°35	0°21	S 9
S 10	21 16 10	17°58'56	25°21	28°59	2°23	26°20	29°51	29° 4	17°33	11°45	3°22	16°41	17°53	15°41	0°26	S 10
M11	21 20 7	18°56'27	7♒14	0♌ 7	3°10	26°58	0♍ 4	29°10	17°32	11°47	3°22	16°30	17°50	15°48	0°31	M11
T 12	21 24 3	19°53'59	19° 6	1°21	3°56	27°36	0°17	29°16	17°31	11°49	3°22	16°20	17°47	15°55	0°35	T 12
W13	21 28 0	20°51'33	0♓58	2°40	4°42	28°15	0°30	29°23	17°30	11°51	3°22	16°11	17°44	16° 2	0°40	W13
T 14	21 31 56	21°49'07	12°51	4° 5	5°27	28°53	0°43	29°29	17°29	11°53	3°21	16° 4	17°41	16° 8	0°45	T 14
F 15	21 35 53	22°46'43	24°48	5°35	6°11	29°31	0°56	29°36	17°28	11°55	3°21	15°59	17°37	16°15	0°50	F 15
S 16	21 39 49	23°44'20	6♈51	7° 9	6°54	0♍ 9	1° 9	29°42	17°27	11°57	3°21	15°57	17°34	16°22	0°55	S 16
S 17	21 43 46	24°41'58	19° 3	8°47	7°36	0°47	1°22	29°49	17°25	12° 0	3°21	15°D56	17°31	16°28	1° 0	S 17
M18	21 47 43	25°39'38	1♉28	10°30	8°17	1°25	1°35	29°55	17°24	12° 2	3°20	15°57	17°28	16°35	1° 6	M18
T 19	21 51 39	26°37'20	14°10	12°15	8°57	2° 3	1°48	0♎ 2	17°23	12° 4	3°20	15°58	17°25	16°42	1°11	T 19
W20	21 55 36	27°35'03	27°13	14° 4	9°35	2°41	2° 1	0° 8	17°22	12° 6	3°20	15°R59	17°22	16°49	1°16	W20
T 21	21 59 32	28°32'48	10♊40	15°56	10°13	3°19	2°14	0°15	17°20	12° 8	3°19	15°58	17°18	16°55	1°22	T 21
F 22	22 3 29	29°30'34	24°34	17°50	10°50	3°57	2°27	0°22	17°19	12°10	3°19	15°56	17°15	17° 2	1°28	F 22
S 23	22 7 25	0♍28'23	8♋55	19°46	11°25	4°36	2°40	0°28	17°18	12°13	3°18	15°51	17°12	17° 9	1°33	S 23
S 24	22 11 22	1°26'12	23°40	21°43	11°59	5°14	2°53	0°35	17°16	12°15	3°18	15°46	17° 9	17°15	1°39	S 24
M25	22 15 18	2°24'04	8♌43	23°41	12°32	5°52	3° 6	0°42	17°15	12°17	3°18	15°39	17° 6	17°22	1°45	M25
T 26	22 19 15	3°21'57	23°55	25°40	13° 3	6°30	3°19	0°49	17°13	12°19	3°17	15°33	17° 3	17°29	1°51	T 26
W27	22 23 12	4°19'51	9♍ 7	27°39	13°33	7° 8	3°33	0°56	17°12	12°21	3°17	15°28	16°59	17°35	1°57	W27
T 28	22 27 8	5°17'47	24° 8	29°39	14° 2	7°46	3°46	1° 3	17°10	12°24	3°16	15°24	16°56	17°42	2° 3	T 28
F 29	22 31 5	6°15'45	8♎50	1♍38	14°29	8°25	3°59	1°10	17° 8	12°26	3°16	15°D23	16°53	17°49	2° 9	F 29
S 30	22 35 1	7°13'43	23° 6	3°37	14°54	9° 3	4°12	1°17	17° 7	12°28	3°15	15°23	16°50	17°56	2°15	S 30
S 31	22 38 58	8♍11'43	6♏56	5♍36	15♎18	9♍41	4♍25	1♎24	17♈ 5	12♍30	3♉14	15♈24	16♈47	18♒ 2	2♏21	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
F 1	17n54	1n15	1n29	18n 0	3s27	1n15	0s54	15n42	1n 9	12n59	0n51	2n43	2n10	6n18	0s41	8n 3	0n51	3s18	16s54	6n47	7n12	20s50	10s42	0n44
S 2	17 39	5s27	0 15	18 13	3 13	0 48	1 1	15 30	1 9	12 54	0 51	2 40	2 10	6 17	0 41	8 2	0 51	3 18	16 55	6 46	7 11	20 47	10 44	0 44
S 3	17 23	11 41	0s57	18 25	2 57	0 20	1 8	15 17	1 9	12 50	0 51	2 38	2 9	6 17	0 41	8 2	0 51	3 18	16 55	6 46	7 9	20 45	10 45	0 45
M 4	17 7	17 12	2 5	18 36	2 42	0s 7	1 16	15 5	1 9	12 46	0 51	2 35	2 9	6 17	0 41	8 1	0 51	3 19	16 55	6 47	7 8	20 43	10 46	0 45
T 5	16 51	21 47	3 4	18 46	2 26	0 35	1 23	14 52	1 9	12 41	0 51	2 33	2 9	6 17	0 41	8 0	0 51	3 19	16 56	6 46	7 7	20 40	10 47	0 45
W 6	16 35	25 15	3 52	18 55	2 10	1 2	1 31	14 40	1 9	12 37	0 51	2 30	2 9	6 16	0 41	7 59	0 51	3 19	16 56	6 45	7 6	20 38	10 48	0 45
T 7	16 18	27 27	4 29	19 3	1 54	1 29	1 38	14 27	1 8	12 32	0 51	2 28	2 9	6 16	0 41	7 59	0 51	3 20	16 56	6 44	7 5	20 35	10 50	0 46
F 8	16 1	28 18	4 53	19 9	1 38	1 56	1 46	14 14	1 8	12 28	0 51	2 25	2 9	6 16	0 41	7 58	0 51	3 20	16 57	6 41	7 3	20 33	10 51	0 46
S 9	15 44	27 47	5 3	19 14	1 22	2 22	1 54	14 1	1 8	12 23	0 51	2 23	2 9	6 15	0 41	7 57	0 51	3 20	16 57	6 37	7 2	20 31	10 52	0 46
S 10	15 26	25 59	5 0	19 17	1 6	2 49	2 2	13 48	1 8	12 19	0 51	2 20	2 9	6 15	0 41	7 56	0 51	3 21	16 57	6 33	7 1	20 28	10 54	0 46
M11	15 8	23 2	4 44	19 18	0 50	3 15	2 10	13 35	1 8	12 14	0 51	2 18	2 9	6 15	0 41	7 55	0 51	3 21	16 58	6 29	7 0	20 26	10 55	0 47
T 12	14 50	19 9	4 16	19 16	0 35	3 41	2 19	13 22	1 8	12 10	0 51	2 15	2 8	6 14	0 41	7 55	0 51	3 21	16 58	6 25	6 59	20 23	10 57	0 47
W13	14 32	14 30	3 37	19 13	0 21	4 7	2 27	13 8	1 8	12 5	0 51	2 13	2 8	6 14	0 41	7 54	0 51	3 22	16 58	6 22	6 57	20 21	10 58	0 47
T 14	14 14	9 19	2 48	19 7	0 7	4 33	2 36	12 55	1 8	12 1	0 51	2 10	2 8	6 14	0 41	7 53	0 51	3 22	16 59	6 19	6 56	20 18	11 0	0 47
F 15	13 55	3 46	1 51	18 58	0n 6	4 58	2 44	12 41	1 7	11 56	0 51	2 7	2 8	6 13	0 41	7 52	0 51	3 23	16 59	6 17	6 55	20 16	11 1	0 47
S 16	13 36	1n58	0 49	18 47	0 19	5 23	2 53	12 28	1 7	11 51	0 51	2 5	2 8	6 13	0 41	7 51	0 51	3 23	16 59	6 16	6 54	20 14	11 3	0 48
S 17	13 17	7 43	0n17	18 33	0 31	5 48	3 2	12 14	1 7	11 47	0 51	2 2	2 8	6 12	0 41	7 51	0 51	3 23	17 0	6 16	6 52	20 11	11 4	0 48
M18	12 58	13 16	1 23	18 17	0 42	6 13	3 11	12 1	1 7	11 42	0 51	1 59	2 8	6 12	0 41	7 50	0 51	3 24	17 0	6 16	6 51	20 9	11 6	0 48
T 19	12 38	18 25	2 26	17 57	0 52	6 37	3 20	11 47	1 7	11 38	0 51	1 57	2 8	6 11	0 41	7 49	0 51	3 24	17 0	6 17	6 50	20 6	11 7	0 48
W20	12 18	22 50	3 24	17 35	1 2	7 0	3 30	11 33	1 7	11 33	0 51	1 54	2 8	6 11	0 41	7 48	0 51	3 25	17 0	6 17	6 49	20 4	11 9	0 49
T 21	11 58	26 12	4 12	17 10	1 10	7 24	3 39	11 19	1 7	11 28	0 51	1 51	2 8	6 10	0 41	7 47	0 51	3 25	17 1	6 17	6 48	20 1	11 11	0 49
F 22	11 38	28 6	4 48	16 43	1 18	7 47	3 48	11 5	1 6	11 24	0 51	1 48	2 8	6 10	0 41	7 46	0 51	3 25	17 1	6 16	6 46	19 59	11 13	0 49
S 23	11 18	28 13	5 6	16 13	1 24	8 10	3 58	10 51	1 6	11 19	0 51	1 46	2 8	6 9	0 41	7 46	0 51	3 26	17 1	6 14	6 45	19 56	11 14	0 49
S 24	10 58	26 22	5 6	15 41	1 30	8 32	4 7	10 37	1 6	11 14	0 51	1 43	2 7	6 9	0 41	7 45	0 51	3 26	17 2	6 12	6 44	19 54	11 16	0 50
M25	10 37	22 38	4 44	15 7	1 35	8 54	4 17	10 23	1 6	11 10	0 52	1 40	2 7	6 8	0 41	7 44	0 51	3 27	17 2	6 10	6 43	19 51	11 18	0 50
T 26	10 16	17 21	4 3	14 31	1 39	9 15	4 27	10 8	1 6	11 5	0 52	1 37	2 7	6 7	0 41	7 43	0 51	3 27	17 2	6 7	6 42	19 49	11 20	0 50
W27	9 55	10 59	3 4	13 53	1 42	9 36	4 37	9 54	1 6	11 0	0 52	1 35	2 7	6 7	0 41	7 42	0 51	3 28	17 3	6 5	6 40	19 46	11 21	0 50
T 28	9 34	4 3	1 53	13 13	1 44	9 56	4 47	9 40	1 5	10 56	0 52	1 32	2 7	6 6	0 41	7 41	0 51	3 28	17 3	6 4	6 39	19 44	11 23	0 50
F 29	9 13	2s57	0 36	12 32	1 46	10 16	4 57	9 25	1 5	10 51	0 52	1 29	2 7	6 5	0 41	7 41	0 51	3 28	17 3	6 3	6 38	19 41	11 25	0 51
S 30	8 51	9 38	0s42	11 50	1 46	10 35	5 7	9 11	1 5	10 46	0 52	1 26	2 7	6 5	0 41	7 40	0 51	3 29	17 3	6 3	6 37	19 39	11 27	0 51
S 31	8n30	15s38	1s55	11n 6	1n46	10s53	5s17	8n56	1n 5	10n42	0n52	1n23	2n 7	6n 4	0s41	7n39	0n51	3s29	17s 4	6n 4	6n35	19s36	11s29	0n51

Julian Day Number = 2487551.5, Delta T = 92.53 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°07'04, Lahiri = 25°14'04

ASTRODIENST EPHEMERIS for the year 2098
geocentric

SEPTEMBER 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 42 54	9♍ 9'45	20♏18	7♍34	15♎40	10♍19	4♍38	1♎31	17°R 3	12♍32	3°R14	15♈26	16♈43	18♒ 9	2♏27	M 1
T 2	22 46 51	10° 7'48	3♐16	9°31	16° 1	10°57	4°51	1°38	17♈ 1	12°35	3♉13	15°27	16°40	18°16	2°34	T 2
W 3	22 50 47	11° 5'52	15°52	11°27	16°19	11°36	5° 4	1°45	17° 0	12°37	3°13	15°R27	16°37	18°22	2°40	W 3
T 4	22 54 44	12° 3'57	28°12	13°22	16°36	12°14	5°17	1°52	16°58	12°39	3°12	15°25	16°34	18°29	2°47	T 4
F 5	22 58 41	13° 2'04	10♑19	15°16	16°50	12°52	5°30	1°59	16°56	12°41	3°11	15°23	16°31	18°36	2°53	F 5
S 6	23 2 37	14° 0'13	22°18	17° 9	17° 3	13°30	5°43	2° 6	16°54	12°44	3°11	15°19	16°28	18°42	3° 0	S 6
S 7	23 6 34	14°58'23	4♒11	19° 1	17°13	14° 9	5°56	2°14	16°52	12°46	3°10	15°14	16°24	18°49	3° 7	S 7
M 8	23 10 30	15°56'34	16° 2	20°52	17°22	14°47	6° 9	2°21	16°50	12°48	3° 9	15° 8	16°21	18°56	3°13	M 8
T 9	23 14 27	16°54'47	27°54	22°41	17°28	15°25	6°22	2°28	16°48	12°50	3° 9	15° 3	16°18	19° 3	3°20	T 9
W10	23 18 23	17°53'01	9♓49	24°30	17°32	16° 4	6°35	2°35	16°46	12°52	3° 8	14°59	16°15	19° 9	3°27	W10
T 11	23 22 20	18°51'18	21°49	26°17	17°R34	16°42	6°48	2°43	16°44	12°55	3° 7	14°56	16°12	19°16	3°34	T 11
F 12	23 26 16	19°49'36	3♈55	28° 3	17°33	17°20	7° 1	2°50	16°42	12°57	3° 6	14°54	16° 8	19°23	3°41	F 12
S 13	23 30 13	20°47'56	16° 9	29°48	17°30	17°58	7°14	2°57	16°40	12°59	3° 5	14°D54	16° 5	19°29	3°48	S 13
S 14	23 34 10	21°46'18	28°34	1♎32	17°25	18°37	7°26	3° 5	16°38	13° 1	3° 5	14°54	16° 2	19°36	3°55	S 14
M15	23 38 6	22°44'42	11♉10	3°15	17°17	19°15	7°39	3°12	16°36	13° 4	3° 4	14°56	15°59	19°43	4° 2	M15
T 16	23 42 3	23°43'08	24° 1	4°56	17° 7	19°54	7°52	3°19	16°34	13° 6	3° 3	14°57	15°56	19°49	4° 9	T 16
W17	23 45 59	24°41'36	7♊ 9	6°37	16°54	20°32	8° 5	3°27	16°31	13° 8	3° 2	14°59	15°53	19°56	4°17	W17
T 18	23 49 56	25°40'06	20°36	8°17	16°40	21°10	8°18	3°34	16°29	13°10	3° 1	14°R59	15°49	20° 3	4°24	T 18
F 19	23 53 52	26°38'39	4♋23	9°55	16°22	21°49	8°30	3°41	16°27	13°12	3° 0	14°59	15°46	20°10	4°31	F 19
S 20	23 57 49	27°37'14	18°32	11°33	16° 3	22°27	8°43	3°49	16°25	13°14	3° 0	14°58	15°43	20°16	4°39	S 20
S 21	0 1 45	28°35'51	2♌59	13° 9	15°41	23° 6	8°56	3°56	16°22	13°17	2°59	14°57	15°40	20°23	4°46	S 21
M22	0 5 42	29°34'30	17°42	14°44	15°18	23°44	9° 9	4° 4	16°20	13°19	2°58	14°55	15°37	20°30	4°54	M22
T 23	0 9 39	0♎33'11	2♍35	16°19	14°52	24°22	9°21	4°11	16°18	13°21	2°57	14°53	15°34	20°36	5° 1	T 23
W24	0 13 35	1°31'55	17°31	17°52	14°24	25° 1	9°34	4°18	16°15	13°23	2°56	14°52	15°30	20°43	5° 9	W24
T 25	0 17 32	2°30'40	2♎20	19°25	13°55	25°39	9°46	4°26	16°13	13°25	2°55	14°51	15°27	20°50	5°16	T 25
F 26	0 21 28	3°29'27	16°56	20°57	13°24	26°18	9°59	4°33	16°11	13°27	2°54	14°D50	15°24	20°56	5°24	F 26
S 27	0 25 25	4°28'17	1♏12	22°27	12°51	26°56	10°11	4°41	16° 8	13°29	2°53	14°51	15°21	21° 3	5°32	S 27
S 28	0 29 21	5°27'08	15° 5	23°57	12°17	27°35	10°24	4°48	16° 6	13°32	2°52	14°52	15°18	21°10	5°40	S 28
M29	0 33 18	6°26'01	28°33	25°25	11°42	28°14	10°36	4°56	16° 4	13°34	2°51	14°52	15°14	21°17	5°47	M29
T 30	0 37 14	7♎24'55	11♐36	26♎53	11♎ 7	28♍52	10♍48	5♎ 3	16♈ 1	13♍36	2♉50	14♈53	15♈11	21♒23	5♏55	T 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
M 1	8n 8	20s41	2s59	10n22	1n45	11s11	5s27	8n42	1n 5	10n37	0n52	1n20	2n 7	6n 3	0s42	7n38	0n51	3s30	17s 4	6n 4	6n34	19s34	11s31	0n51
T 2	7 46	24 35	3 51	9 37	1 44	11 28	5 37	8 27	1 4	10 32	0 52	1 18	2 7	6 3	0 42	7 37	0 51	3 30	17 4	6 5	6 33	19 31	11 33	0 52
W 3	7 24	27 11	4 32	8 51	1 42	11 44	5 47	8 12	1 4	10 27	0 52	1 15	2 7	6 2	0 42	7 36	0 51	3 31	17 5	6 5	6 32	19 29	11 35	0 52
T 4	7 2	28 23	4 58	8 4	1 40	12 0	5 57	7 57	1 4	10 23	0 52	1 12	2 7	6 1	0 42	7 36	0 51	3 31	17 5	6 4	6 31	19 26	11 37	0 52
F 5	6 40	28 11	5 11	7 18	1 37	12 15	6 6	7 43	1 4	10 18	0 52	1 9	2 7	6 1	0 42	7 35	0 51	3 32	17 5	6 3	6 29	19 23	11 39	0 52
S 6	6 17	26 40	5 10	6 30	1 33	12 29	6 16	7 28	1 4	10 13	0 52	1 6	2 7	6 0	0 42	7 34	0 51	3 32	17 5	6 2	6 28	19 21	11 41	0 53
S 7	5 55	23 59	4 55	5 43	1 30	12 42	6 26	7 13	1 3	10 9	0 52	1 3	2 7	5 59	0 42	7 33	0 51	3 33	17 6	6 0	6 27	19 18	11 43	0 53
M 8	5 33	20 17	4 28	4 56	1 25	12 54	6 36	6 58	1 3	10 4	0 52	1 0	2 7	5 58	0 42	7 32	0 51	3 33	17 6	5 58	6 26	19 16	11 45	0 53
T 9	5 10	15 47	3 49	4 8	1 21	13 5	6 45	6 43	1 3	9 59	0 53	0 57	2 7	5 58	0 42	7 31	0 51	3 33	17 6	5 56	6 24	19 13	11 47	0 53
W10	4 47	10 40	3 1	3 21	1 16	13 15	6 54	6 28	1 3	9 54	0 53	0 55	2 7	5 57	0 42	7 30	0 51	3 34	17 6	5 54	6 23	19 11	11 49	0 53
T 11	4 24	5 8	2 3	2 33	1 10	13 24	7 3	6 13	1 3	9 50	0 53	0 52	2 7	5 56	0 42	7 30	0 51	3 34	17 7	5 53	6 22	19 8	11 51	0 54
F 12	4 2	0n38	1 0	1 46	1 5	13 32	7 12	5 58	1 2	9 45	0 53	0 49	2 7	5 55	0 42	7 29	0 51	3 35	17 7	5 52	6 21	19 5	11 54	0 54
S 13	3 39	6 27	0n 7	0 59	0 59	13 39	7 21	5 42	1 2	9 40	0 53	0 46	2 7	5 54	0 42	7 28	0 51	3 35	17 7	5 52	6 20	19 3	11 56	0 54
S 14	3 16	12 7	1 15	0 12	0 53	13 44	7 29	5 27	1 2	9 36	0 53	0 43	2 7	5 54	0 42	7 27	0 51	3 36	17 7	5 52	6 18	19 0	11 58	0 54
M15	2 53	17 23	2 20	0s35	0 46	13 48	7 37	5 12	1 2	9 31	0 53	0 40	2 7	5 53	0 42	7 26	0 51	3 36	17 8	5 53	6 17	18 58	12 0	0 55
T 16	2 30	21 59	3 19	1 21	0 40	13 51	7 44	4 57	1 2	9 26	0 53	0 37	2 7	5 52	0 42	7 25	0 51	3 37	17 8	5 53	6 16	18 55	12 2	0 55
W17	2 6	25 36	4 10	2 7	0 33	13 53	7 51	4 41	1 1	9 22	0 53	0 34	2 7	5 51	0 42	7 25	0 51	3 37	17 8	5 54	6 15	18 52	12 5	0 55
T 18	1 43	27 53	4 48	2 52	0 27	13 53	7 58	4 26	1 1	9 17	0 53	0 31	2 7	5 50	0 42	7 24	0 51	3 38	17 8	5 54	6 13	18 50	12 7	0 55
F 19	1 20	28 31	5 10	3 38	0 20	13 52	8 4	4 11	1 1	9 12	0 53	0 28	2 7	5 49	0 42	7 23	0 51	3 38	17 8	5 54	6 12	18 47	12 9	0 56
S 20	0 57	27 21	5 15	4 22	0 13	13 49	8 9	3 55	1 1	9 7	0 54	0 25	2 7	5 48	0 42	7 22	0 51	3 39	17 9	5 54	6 11	18 45	12 11	0 56
S 21	0 33	24 21	5 0	5 6	0 5	13 45	8 14	3 40	1 0	9 3	0 54	0 22	2 7	5 48	0 42	7 21	0 51	3 39	17 9	5 53	6 10	18 42	12 14	0 56
M22	0 10	19 44	4 26	5 50	0s 2	13 40	8 18	3 24	1 0	8 58	0 54	0 20	2 7	5 47	0 42	7 21	0 51	3 40	17 9	5 52	6 9	18 39	12 16	0 56
T 23	0s13	13 51	3 33	6 33	0 9	13 33	8 21	3 9	1 0	8 53	0 54	0 17	2 7	5 46	0 42	7 20	0 51	3 40	17 9	5 52	6 7	18 37	12 18	0 56
W24	0 37	7 10	2 26	7 16	0 17	13 24	8 24	2 54	1 0	8 49	0 54	0 14	2 7	5 45	0 42	7 19	0 51	3 40	17 9	5 51	6 6	18 34	12 20	0 57
T 25	1 0	0 7	1 9	7 58	0 24	13 15	8 26	2 38	0 59	8 44	0 54	0 11	2 7	5 44	0 42	7 18	0 51	3 41	17 9	5 51	6 5	18 31	12 23	0 57
F 26	1 23	6s50	0s12	8 39	0 31	13 3	8 27	2 23	0 59	8 40	0 54	0 8	2 7	5 43	0 42	7 17	0 51	3 41	17 10	5 51	6 4	18 29	12 25	0 57
S 27	1 47	13 17	1 29	9 20	0 39	12 51	8 27	2 7	0 59	8 35	0 54	0 5	2 7	5 42	0 42	7 17	0 51	3 42	17 10	5 51	6 2	18 26	12 27	0 57
S 28	2 10	18 54	2 40	10 0	0 46	12 37	8 26	1 51	0 59	8 30	0 54	0 2	2 7	5 41	0 42	7 16	0 51	3 42	17 10	5 51	6 1	18 23	12 30	0 58
M29	2 33	23 23	3 39	10 40	0 54	12 21	8 25	1 36	0 58	8 26	0 54	0s 1	2 7	5 40	0 42	7 15	0 51	3 43	17 10	5 51	6 0	18 21	12 32	0 58
T 30	2s56	26s33	4s25	11s19	1s 1	12s 5	8s22	1n20	0n58	8n21	0n55	0s 4	2n 7	5n39	0s42	7n14	0n51	3s43	17s10	5n52	5n59	18s18	12s34	0n58

Julian Day Number = 2487582.5, Delta T = 92.57 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°07'08, Lahiri = 25°14'08

ASTRODIENST EPHEMERIS for the year 2098
geocentric

OCTOBER 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 41 11	8♎23'52	24♐17	28♎20	10°R30	29♍31	11♍ 1	5♎10	15°R59	13♍38	2°R49	14♈54	15♈ 8	21♒30	6♏ 3	W 1
T 2	0 45 7	9°22'50	6♑39	29°46	9♎53	0♎ 9	11°13	5°18	15♈56	13°40	2♉48	14°R54	15° 5	21°37	6°11	T 2
F 3	0 49 4	10°21'50	18°47	1♏11	9°17	0°48	11°25	5°25	15°54	13°42	2°47	14°54	15° 2	21°43	6°19	F 3
S 4	0 53 1	11°20'52	0♒45	2°34	8°40	1°27	11°37	5°33	15°52	13°44	2°46	14°54	14°59	21°50	6°27	S 4
S 5	0 56 57	12°19'55	12°37	3°57	8° 3	2° 5	11°49	5°40	15°49	13°46	2°45	14°53	14°55	21°57	6°35	S 5
M 6	1 0 54	13°19'01	24°28	5°18	7°27	2°44	12° 2	5°48	15°47	13°48	2°44	14°53	14°52	22° 3	6°43	M 6
T 7	1 4 50	14°18'08	6♓22	6°39	6°52	3°22	12°14	5°55	15°44	13°50	2°43	14°53	14°49	22°10	6°51	T 7
W 8	1 8 47	15°17'17	18°21	7°58	6°18	4° 1	12°25	6° 2	15°42	13°52	2°42	14°D53	14°46	22°17	6°59	W 8
T 9	1 12 43	16°16'27	0♈29	9°16	5°45	4°40	12°37	6°10	15°40	13°54	2°41	14°53	14°43	22°23	7° 7	T 9
F 10	1 16 40	17°15'40	12°48	10°33	5°14	5°19	12°49	6°17	15°37	13°56	2°40	14°R53	14°40	22°30	7°15	F 10
S 11	1 20 36	18°14'55	25°18	11°48	4°44	5°57	13° 1	6°24	15°35	13°58	2°38	14°53	14°36	22°37	7°24	S 11
S 12	1 24 33	19°14'12	8♉ 1	13° 2	4°17	6°36	13°13	6°32	15°32	14° 0	2°37	14°53	14°33	22°44	7°32	S 12
M13	1 28 30	20°13'31	20°58	14°14	3°51	7°15	13°24	6°39	15°30	14° 1	2°36	14°52	14°30	22°50	7°40	M13
T 14	1 32 26	21°12'52	4♊ 8	15°25	3°27	7°54	13°36	6°46	15°27	14° 3	2°35	14°51	14°27	22°57	7°48	T 14
W15	1 36 23	22°12'16	17°32	16°33	3° 5	8°32	13°48	6°53	15°25	14° 5	2°34	14°51	14°24	23° 4	7°56	W15
T 16	1 40 19	23°11'42	1♋ 9	17°40	2°46	9°11	13°59	7° 1	15°23	14° 7	2°33	14°50	14°20	23°10	8° 5	T 16
F 17	1 44 16	24°11'10	14°59	18°45	2°29	9°50	14°10	7° 8	15°20	14° 9	2°32	14°49	14°17	23°17	8°13	F 17
S 18	1 48 12	25°10'40	29° 1	19°47	2°15	10°29	14°22	7°15	15°18	14°11	2°31	14°D49	14°14	23°24	8°21	S 18
S 19	1 52 9	26°10'13	13♌14	20°46	2° 3	11° 8	14°33	7°22	15°15	14°12	2°30	14°50	14°11	23°30	8°30	S 19
M20	1 56 5	27° 9'48	27°35	21°43	1°53	11°47	14°44	7°30	15°13	14°14	2°28	14°50	14° 8	23°37	8°38	M20
T 21	2 0 2	28° 9'25	12♍ 3	22°37	1°46	12°26	14°55	7°37	15°11	14°16	2°27	14°51	14° 5	23°44	8°46	T 21
W22	2 3 59	29° 9'05	26°31	23°27	1°41	13° 4	15° 6	7°44	15° 8	14°18	2°26	14°52	14° 1	23°50	8°55	W22
T 23	2 7 55	0♏ 8'46	10♎56	24°13	1°D39	13°43	15°17	7°51	15° 6	14°19	2°25	14°R53	13°58	23°57	9° 3	T 23
F 24	2 11 52	1° 8'30	25°13	24°55	1°39	14°22	15°28	7°58	15° 4	14°21	2°24	14°53	13°55	24° 4	9°12	F 24
S 25	2 15 48	2° 8'16	9♏16	25°32	1°41	15° 1	15°39	8° 5	15° 1	14°23	2°23	14°52	13°52	24°11	9°20	S 25
S 26	2 19 45	3° 8'04	23° 1	26° 4	1°46	15°40	15°50	8°12	14°59	14°24	2°22	14°50	13°49	24°17	9°28	S 26
M27	2 23 41	4° 7'53	6♐26	26°31	1°53	16°19	16° 0	8°19	14°57	14°26	2°20	14°47	13°45	24°24	9°37	M27
T 28	2 27 38	5° 7'45	19°30	26°51	2° 3	16°58	16°11	8°26	14°55	14°27	2°19	14°44	13°42	24°31	9°45	T 28
W29	2 31 34	6° 7'38	2♑13	27° 4	2°14	17°38	16°21	8°33	14°52	14°29	2°18	14°41	13°39	24°37	9°54	W29
T 30	2 35 31	7° 7'33	14°38	27°R10	2°28	18°17	16°32	8°40	14°50	14°30	2°17	14°38	13°36	24°44	10° 2	T 30
F 31	2 39 28	8♏ 7'30	26♑47	27♏ 8	2♎44	18♎56	16♍42	8♎46	14♈48	14♍32	2♉16	14♈37	13♈33	24♒51	10♏11	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	3s20	28s15	4s57	11s57	1s 9	11s47	8s18	1n 5	0n58	8n17	0n55	0s 7	2n 7	5n39	0s42	7n13	0n51	3s44	17s10	5n52	5n58	18s15	12s37	0n58
T 2	3 43	28 29	5 14	12 34	1 16	11 29	8 14	0 49	0 58	8 12	0 55	0 10	2 7	5 38	0 42	7 13	0 51	3 44	17 11	5 52	5 56	18 13	12 39	0 59
F 3	4 6	27 20	5 16	13 11	1 23	11 9	8 9	0 34	0 57	8 8	0 55	0 13	2 7	5 37	0 42	7 12	0 51	3 45	17 11	5 52	5 55	18 10	12 42	0 59
S 4	4 29	24 57	5 5	13 46	1 30	10 49	8 2	0 18	0 57	8 3	0 55	0 15	2 7	5 36	0 42	7 11	0 51	3 45	17 11	5 52	5 54	18 7	12 44	0 59
S 5	4 52	21 30	4 41	14 21	1 37	10 28	7 55	0 2	0 57	7 59	0 55	0 18	2 7	5 35	0 42	7 10	0 51	3 46	17 11	5 52	5 53	18 4	12 46	0 59
M 6	5 15	17 12	4 5	14 55	1 44	10 6	7 47	0s13	0 57	7 54	0 55	0 21	2 7	5 34	0 42	7 10	0 51	3 46	17 11	5 52	5 51	18 2	12 49	1 0
T 7	5 38	12 14	3 18	15 29	1 51	9 44	7 39	0 29	0 56	7 50	0 55	0 24	2 7	5 33	0 42	7 9	0 51	3 46	17 11	5 52	5 50	17 59	12 51	1 0
W 8	6 1	6 47	2 22	16 1	1 58	9 22	7 29	0 44	0 56	7 45	0 56	0 27	2 7	5 32	0 42	7 8	0 51	3 47	17 11	5 52	5 49	17 56	12 54	1 0
T 9	6 24	1 1	1 19	16 32	2 4	9 0	7 19	1 0	0 56	7 41	0 56	0 30	2 7	5 31	0 42	7 7	0 51	3 47	17 11	5 52	5 48	17 54	12 56	1 0
F 10	6 47	4n52	0 12	17 3	2 11	8 37	7 8	1 16	0 55	7 36	0 56	0 33	2 7	5 30	0 42	7 7	0 51	3 48	17 11	5 52	5 46	17 51	12 58	1 1
S 11	7 9	10 40	0n57	17 32	2 17	8 15	6 57	1 31	0 55	7 32	0 56	0 35	2 8	5 29	0 42	7 6	0 51	3 48	17 11	5 52	5 45	17 48	13 1	1 1
S 12	7 32	16 9	2 5	18 1	2 23	7 53	6 45	1 47	0 55	7 28	0 56	0 38	2 8	5 28	0 42	7 5	0 52	3 49	17 12	5 52	5 44	17 45	13 3	1 1
M13	7 54	21 0	3 7	18 28	2 28	7 31	6 32	2 2	0 55	7 23	0 56	0 41	2 8	5 27	0 42	7 5	0 52	3 49	17 12	5 51	5 43	17 43	13 6	1 1
T 14	8 16	24 54	4 0	18 54	2 34	7 10	6 19	2 18	0 54	7 19	0 56	0 44	2 8	5 26	0 42	7 4	0 52	3 49	17 12	5 51	5 42	17 40	13 8	1 2
W15	8 39	27 31	4 42	19 19	2 39	6 50	6 6	2 34	0 54	7 15	0 57	0 47	2 8	5 26	0 42	7 3	0 52	3 50	17 12	5 51	5 40	17 37	13 10	1 2
T 16	9 1	28 33	5 8	19 43	2 44	6 30	5 53	2 49	0 54	7 10	0 57	0 49	2 8	5 25	0 42	7 2	0 52	3 50	17 12	5 50	5 39	17 34	13 13	1 2
F 17	9 23	27 50	5 17	20 5	2 48	6 10	5 39	3 5	0 53	7 6	0 57	0 52	2 8	5 24	0 42	7 2	0 52	3 51	17 12	5 50	5 38	17 32	13 15	1 2
S 18	9 44	25 21	5 7	20 26	2 52	5 52	5 25	3 20	0 53	7 2	0 57	0 55	2 8	5 23	0 42	7 1	0 52	3 51	17 12	5 50	5 37	17 29	13 18	1 3
S 19	10 6	21 17	4 39	20 46	2 56	5 34	5 11	3 36	0 53	6 58	0 57	0 58	2 8	5 22	0 42	7 0	0 52	3 51	17 12	5 50	5 35	17 26	13 20	1 3
M20	10 27	15 57	3 53	21 4	2 59	5 17	4 57	3 51	0 52	6 53	0 57	1 0	2 8	5 21	0 42	7 0	0 52	3 52	17 12	5 51	5 34	17 23	13 23	1 3
T 21	10 49	9 41	2 52	21 20	3 2	5 2	4 43	4 7	0 52	6 49	0 57	1 3	2 8	5 20	0 42	6 59	0 52	3 52	17 12	5 51	5 33	17 21	13 25	1 3
W22	11 10	2 55	1 40	21 35	3 4	4 47	4 29	4 22	0 52	6 45	0 58	1 6	2 8	5 19	0 42	6 59	0 52	3 53	17 12	5 51	5 32	17 18	13 27	1 4
T 23	11 31	4s 0	0 22	21 48	3 5	4 33	4 15	4 37	0 51	6 41	0 58	1 9	2 9	5 18	0 42	6 58	0 52	3 53	17 12	5 52	5 30	17 15	13 30	1 4
F 24	11 52	10 38	0s57	21 59	3 6	4 21	4 1	4 53	0 51	6 37	0 58	1 11	2 9	5 17	0 42	6 57	0 52	3 53	17 12	5 52	5 29	17 12	13 32	1 4
S 25	12 13	16 38	2 11	22 8	3 5	4 9	3 47	5 8	0 51	6 33	0 58	1 14	2 9	5 17	0 42	6 57	0 52	3 54	17 12	5 51	5 28	17 10	13 35	1 4
S 26	12 33	21 40	3 15	22 15	3 4	3 58	3 34	5 23	0 50	6 29	0 58	1 17	2 9	5 16	0 42	6 56	0 52	3 54	17 12	5 50	5 27	17 7	13 37	1 5
M27	12 53	25 26	4 7	22 19	3 2	3 49	3 20	5 39	0 50	6 25	0 58	1 19	2 9	5 15	0 42	6 56	0 52	3 54	17 12	5 49	5 26	17 4	13 39	1 5
T 28	13 14	27 45	4 45	22 21	2 59	3 40	3 7	5 54	0 50	6 21	0 59	1 22	2 9	5 14	0 42	6 55	0 52	3 55	17 12	5 48	5 24	17 1	13 42	1 5
W29	13 33	28 32	5 7	22 20	2 55	3 33	2 54	6 9	0 49	6 17	0 59	1 24	2 9	5 13	0 42	6 54	0 52	3 55	17 12	5 47	5 23	16 58	13 44	1 6
T 30	13 53	27 50	5 15	22 16	2 50	3 26	2 41	6 24	0 49	6 13	0 59	1 27	2 9	5 12	0 41	6 54	0 52	3 55	17 12	5 46	5 22	16 56	13 47	1 6
F 31	14s13	25s49	5s 8	22s 9	2s43	3s21	2s28	6s40	0n49	6n 9	0n59	1s30	2n10	5n12	0s41	6n53	0n52	3s56	17s12	5n45	5n21	16s53	13s49	1n 6

Julian Day Number = 2487612.5, Delta T = 92.61 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°07'12, Lahiri = 25°14'12

ASTRODIENST EPHEMERIS for the year 2098
geocentric

NOVEMBER 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 43 24	9♏ 7'28	8♒45	26°R57	3♎ 2	19♎35	16♍52	8♎53	14°R46	14♍33	2°R15	14°D36	13♈30	24♒57	10♏19	S 1
S 2	2 47 21	10° 7'28	20°38	26♏37	3°22	20°14	17° 2	9° 0	14♈44	14°35	2♉14	14♈37	13°26	25° 4	10°27	S 2
M 3	2 51 17	11° 7'29	2♓28	26° 8	3°43	20°53	17°12	9° 7	14°42	14°36	2°13	14°38	13°23	25°11	10°36	M 3
T 4	2 55 14	12° 7'32	14°23	25°29	4° 7	21°32	17°22	9°13	14°40	14°38	2°11	14°40	13°20	25°17	10°44	T 4
W 5	2 59 10	13° 7'37	26°25	24°41	4°32	22°11	17°32	9°20	14°37	14°39	2°10	14°41	13°17	25°24	10°53	W 5
T 6	3 3 7	14° 7'43	8♈40	23°43	4°59	22°51	17°42	9°26	14°35	14°40	2° 9	14°R43	13°14	25°31	11° 1	T 6
F 7	3 7 3	15° 7'51	21° 9	22°38	5°28	23°30	17°52	9°33	14°33	14°42	2° 8	14°42	13°11	25°38	11°10	F 7
S 8	3 11 0	16° 8'00	3♉56	21°26	5°58	24° 9	18° 1	9°39	14°31	14°43	2° 7	14°41	13° 7	25°44	11°18	S 8
S 9	3 14 57	17° 8'12	17° 0	20°10	6°30	24°48	18°10	9°46	14°30	14°44	2° 6	14°38	13° 4	25°51	11°26	S 9
M10	3 18 53	18° 8'25	0♊21	18°50	7° 3	25°28	18°20	9°52	14°28	14°45	2° 5	14°33	13° 1	25°58	11°35	M10
T 11	3 22 50	19° 8'40	13°58	17°31	7°38	26° 7	18°29	9°59	14°26	14°47	2° 4	14°28	12°58	26° 4	11°43	T 11
W12	3 26 46	20° 8'57	27°48	16°14	8°14	26°46	18°38	10° 5	14°24	14°48	2° 3	14°22	12°55	26°11	11°52	W12
T 13	3 30 43	21° 9'15	11♋46	15° 2	8°51	27°26	18°47	10°11	14°22	14°49	2° 2	14°17	12°51	26°18	12° 0	T 13
F 14	3 34 39	22° 9'36	25°52	13°58	9°30	28° 5	18°56	10°17	14°20	14°50	2° 1	14°12	12°48	26°24	12° 8	F 14
S 15	3 38 36	23° 9'59	10♌ 0	13° 2	10°10	28°44	19° 5	10°23	14°19	14°51	2° 0	14°10	12°45	26°31	12°17	S 15
S 16	3 42 32	24°10'23	24° 9	12°17	10°51	29°24	19°13	10°29	14°17	14°52	1°58	14°D 9	12°42	26°38	12°25	S 16
M17	3 46 29	25°10'50	8♍17	11°43	11°34	0♏ 3	19°22	10°36	14°15	14°53	1°57	14°10	12°39	26°44	12°33	M17
T 18	3 50 26	26°11'18	22°23	11°20	12°17	0°43	19°30	10°41	14°14	14°54	1°56	14°11	12°36	26°51	12°42	T 18
W19	3 54 22	27°11'48	6♎25	11°D10	13° 2	1°22	19°38	10°47	14°12	14°55	1°55	14°12	12°32	26°58	12°50	W19
T 20	3 58 19	28°12'20	20°22	11°11	13°47	2° 2	19°46	10°53	14°10	14°56	1°54	14°R12	12°29	27° 4	12°58	T 20
F 21	4 2 15	29°12'54	4♏11	11°22	14°34	2°41	19°54	10°59	14° 9	14°57	1°53	14°10	12°26	27°11	13° 6	F 21
S 22	4 6 12	0♐13'29	17°51	11°43	15°21	3°21	20° 2	11° 5	14° 7	14°58	1°52	14° 6	12°23	27°18	13°15	S 22
S 23	4 10 8	1°14'06	1♐18	12°14	16° 9	4° 1	20°10	11°10	14° 6	14°59	1°51	14° 0	12°20	27°25	13°23	S 23
M24	4 14 5	2°14'44	14°30	12°52	16°59	4°40	20°18	11°16	14° 5	14°59	1°50	13°52	12°17	27°31	13°31	M24
T 25	4 18 1	3°15'24	27°26	13°38	17°49	5°20	20°25	11°21	14° 3	15° 0	1°50	13°42	12°13	27°38	13°39	T 25
W26	4 21 58	4°16'05	10♑ 5	14°30	18°40	5°59	20°33	11°27	14° 2	15° 1	1°49	13°33	12°10	27°45	13°47	W26
T 27	4 25 55	5°16'48	22°28	15°28	19°31	6°39	20°40	11°32	14° 1	15° 2	1°48	13°25	12° 7	27°51	13°55	T 27
F 28	4 29 51	6°17'31	4♒36	16°31	20°24	7°19	20°47	11°38	13°59	15° 2	1°47	13°18	12° 4	27°58	14° 3	F 28
S 29	4 33 48	7°18'15	16°34	17°38	21°17	7°58	20°54	11°43	13°58	15° 3	1°46	13°13	12° 1	28° 5	14°11	S 29
S 30	4 37 44	8♐19'01	28♒25	18♏49	22♎10	8♏38	21♍ 0	11♎48	13♈57	15♍ 3	1♉45	13♈10	11♈57	28♒11	14♏19	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	14s32	22s41	4s47	21s58	2s34	3s17	2s15	6s55	0n48	6n 6	0n59	1s32	2n10	5n11	0s41	6n53	0n52	3s56	17s12	5n45	5n19	16s50	13s51	1n 6
S 2	14 51	18 38	4 15	21 44	2 24	3 13	2 3	7 10	0 48	6 2	1 0	1 35	2 10	5 10	0 41	6 52	0 52	3 56	17 12	5 45	5 18	16 47	13 54	1 7
M 3	15 10	13 52	3 31	21 26	2 13	3 11	1 51	7 25	0 48	5 58	1 0	1 37	2 10	5 9	0 41	6 52	0 52	3 57	17 12	5 46	5 17	16 44	13 56	1 7
T 4	15 28	8 35	2 39	21 3	1 59	3 9	1 40	7 40	0 47	5 54	1 0	1 40	2 10	5 8	0 41	6 51	0 52	3 57	17 12	5 47	5 16	16 41	13 58	1 7
W 5	15 46	2 56	1 39	20 37	1 44	3 9	1 28	7 55	0 47	5 51	1 0	1 42	2 10	5 8	0 41	6 51	0 52	3 57	17 11	5 47	5 14	16 39	14 1	1 8
T 6	16 4	2n56	0 33	20 7	1 28	3 9	1 17	8 10	0 46	5 47	1 0	1 44	2 10	5 7	0 41	6 50	0 52	3 57	17 11	5 48	5 13	16 36	14 3	1 8
F 7	16 22	8 48	0n35	19 33	1 10	3 11	1 6	8 24	0 46	5 43	1 0	1 47	2 11	5 6	0 41	6 50	0 52	3 58	17 11	5 48	5 12	16 33	14 5	1 8
S 8	16 39	14 26	1 43	18 56	0 51	3 13	0 55	8 39	0 46	5 40	1 1	1 49	2 11	5 5	0 41	6 49	0 52	3 58	17 11	5 47	5 11	16 30	14 8	1 8
S 9	16 57	19 34	2 47	18 16	0 30	3 16	0 45	8 54	0 45	5 36	1 1	1 52	2 11	5 5	0 41	6 49	0 52	3 58	17 11	5 46	5 10	16 27	14 10	1 9
M10	17 14	23 51	3 43	17 35	0 10	3 20	0 35	9 9	0 45	5 33	1 1	1 54	2 11	5 4	0 41	6 48	0 52	3 58	17 11	5 44	5 8	16 24	14 12	1 9
T 11	17 30	26 54	4 28	16 53	0n11	3 25	0 25	9 23	0 45	5 30	1 1	1 56	2 11	5 3	0 41	6 48	0 52	3 59	17 11	5 42	5 7	16 21	14 15	1 9
W12	17 46	28 22	4 58	16 12	0 31	3 30	0 15	9 38	0 44	5 26	1 1	1 59	2 11	5 2	0 41	6 48	0 52	3 59	17 11	5 40	5 6	16 19	14 17	1 10
T 13	18 2	28 3	5 10	15 32	0 50	3 36	0 6	9 52	0 44	5 23	1 2	2 1	2 11	5 2	0 41	6 47	0 53	3 59	17 11	5 38	5 5	16 16	14 19	1 10
F 14	18 18	25 57	5 4	14 56	1 8	3 43	0n 3	10 7	0 43	5 20	1 2	2 3	2 12	5 1	0 41	6 47	0 53	3 59	17 10	5 36	5 3	16 13	14 21	1 10
S 15	18 33	22 13	4 40	14 24	1 25	3 51	0 11	10 21	0 43	5 16	1 2	2 5	2 12	5 0	0 41	6 46	0 53	4 0	17 10	5 35	5 2	16 10	14 24	1 11
S 16	18 48	17 12	3 58	13 56	1 39	3 59	0 20	10 35	0 43	5 13	1 2	2 8	2 12	5 0	0 41	6 46	0 53	4 0	17 10	5 35	5 1	16 7	14 26	1 11
M17	19 3	11 17	3 2	13 34	1 52	4 8	0 28	10 50	0 42	5 10	1 2	2 10	2 12	4 59	0 41	6 46	0 53	4 0	17 10	5 35	5 0	16 4	14 28	1 11
T 18	19 17	4 47	1 56	13 17	2 2	4 18	0 36	11 4	0 42	5 7	1 3	2 12	2 12	4 59	0 41	6 45	0 53	4 0	17 10	5 35	4 58	16 1	14 30	1 11
W19	19 31	1s54	0 42	13 6	2 11	4 28	0 44	11 18	0 41	5 4	1 3	2 14	2 13	4 58	0 41	6 45	0 53	4 0	17 10	5 36	4 57	15 58	14 33	1 12
T 20	19 45	8 28	0s33	13 0	2 18	4 39	0 51	11 32	0 41	5 1	1 3	2 16	2 13	4 57	0 41	6 45	0 53	4 0	17 10	5 36	4 56	15 56	14 35	1 12
F 21	19 58	14 34	1 46	12 58	2 22	4 50	0 58	11 46	0 41	4 58	1 3	2 18	2 13	4 57	0 41	6 44	0 53	4 1	17 9	5 35	4 55	15 53	14 37	1 12
S 22	20 11	19 53	2 51	13 2	2 26	5 2	1 5	12 0	0 40	4 55	1 4	2 20	2 13	4 56	0 41	6 44	0 53	4 1	17 9	5 34	4 53	15 50	14 39	1 13
S 23	20 24	24 6	3 46	13 9	2 28	5 15	1 12	12 14	0 40	4 52	1 4	2 22	2 13	4 56	0 41	6 44	0 53	4 1	17 9	5 31	4 52	15 47	14 41	1 13
M24	20 36	26 57	4 28	13 21	2 28	5 28	1 18	12 27	0 39	4 49	1 4	2 24	2 14	4 55	0 41	6 43	0 53	4 1	17 9	5 28	4 51	15 44	14 43	1 13
T 25	20 48	28 18	4 54	13 35	2 27	5 41	1 25	12 41	0 39	4 47	1 4	2 26	2 14	4 55	0 41	6 43	0 53	4 1	17 9	5 24	4 50	15 41	14 45	1 14
W26	20 59	28 8	5 6	13 52	2 25	5 55	1 31	12 55	0 38	4 44	1 4	2 28	2 14	4 54	0 41	6 43	0 53	4 1	17 8	5 21	4 48	15 38	14 48	1 14
T 27	21 10	26 32	5 3	14 11	2 23	6 9	1 36	13 8	0 38	4 41	1 5	2 30	2 14	4 54	0 41	6 43	0 53	4 1	17 8	5 17	4 47	15 35	14 50	1 14
F 28	21 21	23 43	4 46	14 33	2 19	6 24	1 42	13 21	0 37	4 39	1 5	2 32	2 14	4 53	0 41	6 43	0 53	4 1	17 8	5 15	4 46	15 32	14 52	1 15
S 29	21 31	19 56	4 16	14 55	2 15	6 38	1 47	13 35	0 37	4 36	1 5	2 34	2 15	4 53	0 41	6 42	0 53	4 2	17 8	5 13	4 45	15 29	14 54	1 15
S 30	21s41	15s24	3s36	15s19	2n10	6s54	1n52	13s48	0n37	4n34	1n 5	2s36	2n15	4n53	0s41	6n42	0n53	4s 2	17s 8	5n12	4n44	15s26	14s56	1n15

Julian Day Number = 2487643.5, Delta T = 92.65 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°07'16, Lahiri = 25°14'17

ASTRODIENST EPHEMERIS for the year 2098
geocentric

DECEMBER 2098 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 41 41	9♐19'47	10♓15	20♏ 3	23♎ 5	9♏18	21♍ 7	11♎53	13°R56	15♍ 4	1°R44	13°D10	11♈54	28♒18	14♏27	M 1
T 2	4 45 37	10°20'35	22° 8	21°19	24° 0	9°58	21°14	11°58	13♈55	15° 4	1♉43	13♈10	11°51	28°25	14°35	T 2
W 3	4 49 34	11°21'23	4♈10	22°38	24°55	10°37	21°20	12° 3	13°54	15° 5	1°42	13°11	11°48	28°31	14°43	W 3
T 4	4 53 31	12°22'12	16°25	23°59	25°52	11°17	21°26	12° 8	13°53	15° 5	1°42	13°R11	11°45	28°38	14°51	T 4
F 5	4 57 27	13°23'02	29° 0	25°21	26°49	11°57	21°32	12°13	13°52	15° 6	1°41	13°10	11°42	28°45	14°59	F 5
S 6	5 1 24	14°23'53	11♉56	26°45	27°46	12°37	21°38	12°18	13°51	15° 6	1°40	13° 6	11°38	28°51	15° 6	S 6
S 7	5 5 20	15°24'45	25°16	28°11	28°44	13°17	21°44	12°22	13°50	15° 7	1°39	13° 0	11°35	28°58	15°14	S 7
M 8	5 9 17	16°25'38	8♊58	29°37	29°42	13°57	21°49	12°27	13°50	15° 7	1°38	12°52	11°32	29° 5	15°22	M 8
T 9	5 13 13	17°26'32	23° 2	1♐ 4	0♏41	14°36	21°55	12°31	13°49	15° 7	1°38	12°41	11°29	29°11	15°30	T 9
W10	5 17 10	18°27'27	7♋20	2°32	1°41	15°16	22° 0	12°36	13°48	15° 7	1°37	12°30	11°26	29°18	15°37	W10
T 11	5 21 6	19°28'23	21°49	4° 1	2°41	15°56	22° 5	12°40	13°48	15° 8	1°36	12°20	11°23	29°25	15°45	T 11
F 12	5 25 3	20°29'20	6♌19	5°30	3°41	16°36	22°10	12°44	13°47	15° 8	1°35	12°11	11°19	29°31	15°52	F 12
S 13	5 29 0	21°30'19	20°47	7° 0	4°42	17°16	22°15	12°48	13°47	15° 8	1°35	12° 5	11°16	29°38	16° 0	S 13
S 14	5 32 56	22°31'18	5♍ 6	8°30	5°43	17°56	22°19	12°52	13°46	15° 8	1°34	12° 2	11°13	29°45	16° 7	S 14
M15	5 36 53	23°32'18	19°15	10° 0	6°45	18°36	22°24	12°56	13°46	15° 8	1°33	12°D 1	11°10	29°52	16°14	M15
T 16	5 40 49	24°33'19	3♎13	11°31	7°47	19°17	22°28	13° 0	13°45	15° 8	1°33	12° 1	11° 7	29°58	16°22	T 16
W17	5 44 46	25°34'22	16°59	13° 2	8°49	19°57	22°32	13° 4	13°45	15°R 8	1°32	12°R 1	11° 3	0♓ 5	16°29	W17
T 18	5 48 42	26°35'25	0♏34	14°34	9°52	20°37	22°36	13° 8	13°45	15° 8	1°32	11°59	11° 0	0°12	16°36	T 18
F 19	5 52 39	27°36'30	13°58	16° 5	10°55	21°17	22°40	13°11	13°45	15° 8	1°31	11°56	10°57	0°18	16°43	F 19
S 20	5 56 35	28°37'35	27°13	17°37	11°59	21°57	22°43	13°15	13°44	15° 8	1°31	11°49	10°54	0°25	16°50	S 20
S 21	6 0 32	29°38'41	10♐16	19° 9	13° 3	22°37	22°46	13°18	13°44	15° 8	1°30	11°39	10°51	0°32	16°57	S 21
M22	6 4 29	0♑39'48	23° 9	20°42	14° 7	23°17	22°50	13°22	13°D44	15° 8	1°29	11°27	10°48	0°38	17° 4	M22
T 23	6 8 25	1°40'55	5♑49	22°14	15°11	23°58	22°53	13°25	13°44	15° 8	1°29	11°13	10°44	0°45	17°11	T 23
W24	6 12 22	2°42'03	18°17	23°47	16°16	24°38	22°55	13°28	13°44	15° 7	1°29	10°58	10°41	0°52	17°18	W24
T 25	6 16 18	3°43'11	0♒33	25°20	17°21	25°18	22°58	13°31	13°44	15° 7	1°28	10°45	10°38	0°58	17°25	T 25
F 26	6 20 15	4°44'19	12°37	26°53	18°27	25°58	23° 0	13°34	13°45	15° 7	1°28	10°34	10°35	1° 5	17°31	F 26
S 27	6 24 11	5°45'28	24°32	28°26	19°32	26°39	23° 3	13°37	13°45	15° 7	1°27	10°25	10°32	1°12	17°38	S 27
S 28	6 28 8	6°46'36	6♓22	29°59	20°38	27°19	23° 5	13°40	13°45	15° 6	1°27	10°19	10°29	1°18	17°45	S 28
M29	6 32 5	7°47'45	18° 9	1♑34	21°44	27°59	23° 7	13°42	13°45	15° 6	1°26	10°16	10°25	1°25	17°51	M29
T 30	6 36 1	8°48'53	29°59	3° 8	22°50	28°40	23° 8	13°45	13°46	15° 5	1°26	10°15	10°22	1°32	17°58	T 30
W31	6 39 58	9♑50'02	11♈58	4♑42	23♏57	29♏20	23♍10	13♎47	13♈46	15♍ 5	1♉26	10♈15	10♈19	1♓38	18♏ 4	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	21s50	10s18	2s47	15s44	2n 5	7s 9	1n57	14s 1	0n36	4n32	1n 6	2s38	2n15	4n52	0s41	6n42	0n53	4s 2	17s 7	5n12	4n42	15s23	14s58	1n16
T 2	21 59	4 49	1 50	16 10	1 59	7 25	2 2	14 14	0 36	4 29	1 6	2 39	2 15	4 52	0 41	6 42	0 53	4 2	17 7	5 12	4 41	15 21	15 0	1 16
W 3	22 8	0n55	0 48	16 36	1 53	7 41	2 6	14 27	0 35	4 27	1 6	2 41	2 15	4 51	0 41	6 42	0 53	4 2	17 7	5 12	4 40	15 18	15 2	1 16
T 4	22 16	6 43	0n17	17 2	1 46	7 58	2 10	14 40	0 35	4 25	1 6	2 43	2 16	4 51	0 40	6 41	0 53	4 2	17 7	5 12	4 39	15 15	15 4	1 17
F 5	22 24	12 25	1 23	17 29	1 40	8 15	2 14	14 52	0 34	4 23	1 7	2 44	2 16	4 51	0 40	6 41	0 53	4 2	17 6	5 12	4 37	15 12	15 6	1 17
S 6	22 31	17 44	2 27	17 55	1 33	8 32	2 18	15 5	0 34	4 20	1 7	2 46	2 16	4 51	0 40	6 41	0 53	4 2	17 6	5 10	4 36	15 9	15 8	1 17
S 7	22 38	22 23	3 25	18 21	1 26	8 49	2 22	15 17	0 33	4 18	1 7	2 48	2 16	4 50	0 40	6 41	0 53	4 2	17 6	5 8	4 35	15 6	15 10	1 18
M 8	22 44	25 56	4 12	18 47	1 19	9 6	2 25	15 30	0 33	4 16	1 7	2 49	2 17	4 50	0 40	6 41	0 54	4 2	17 6	5 5	4 34	15 3	15 11	1 18
T 9	22 50	27 59	4 45	19 12	1 11	9 24	2 28	15 42	0 32	4 15	1 8	2 51	2 17	4 50	0 40	6 41	0 54	4 2	17 5	5 1	4 32	15 0	15 13	1 18
W10	22 56	28 14	5 1	19 37	1 4	9 41	2 31	15 54	0 32	4 13	1 8	2 52	2 17	4 50	0 40	6 41	0 54	4 2	17 5	4 56	4 31	14 57	15 15	1 19
T 11	23 1	26 34	4 58	20 1	0 57	9 59	2 34	16 6	0 31	4 11	1 8	2 54	2 17	4 49	0 40	6 41	0 54	4 2	17 5	4 52	4 30	14 54	15 17	1 19
F 12	23 5	23 8	4 36	20 24	0 49	10 17	2 37	16 18	0 31	4 9	1 8	2 55	2 18	4 49	0 40	6 41	0 54	4 2	17 4	4 49	4 29	14 51	15 19	1 19
S 13	23 9	18 18	3 57	20 47	0 42	10 35	2 39	16 30	0 30	4 8	1 9	2 56	2 18	4 49	0 40	6 41	0 54	4 2	17 4	4 47	4 27	14 48	15 21	1 20
S 14	23 13	12 28	3 2	21 9	0 34	10 53	2 41	16 42	0 30	4 6	1 9	2 58	2 18	4 49	0 40	6 41	0 54	4 2	17 4	4 45	4 26	14 45	15 22	1 20
M15	23 16	6 3	1 58	21 30	0 27	11 11	2 43	16 53	0 29	4 5	1 9	2 59	2 18	4 49	0 40	6 41	0 54	4 2	17 4	4 45	4 25	14 42	15 24	1 21
T 16	23 19	0s34	0 47	21 50	0 20	11 30	2 45	17 5	0 29	4 3	1 9	3 0	2 18	4 49	0 40	6 41	0 54	4 2	17 3	4 45	4 24	14 39	15 26	1 21
W17	23 21	7 4	0s26	22 9	0 12	11 48	2 47	17 16	0 28	4 2	1 10	3 2	2 19	4 49	0 40	6 41	0 54	4 2	17 3	4 45	4 22	14 36	15 28	1 21
T 18	23 23	13 10	1 37	22 27	0 5	12 6	2 49	17 27	0 28	4 0	1 10	3 3	2 19	4 48	0 40	6 41	0 54	4 1	17 3	4 44	4 21	14 33	15 29	1 22
F 19	23 24	18 35	2 40	22 44	0s 2	12 24	2 50	17 38	0 27	3 59	1 10	3 4	2 19	4 48	0 40	6 41	0 54	4 1	17 2	4 43	4 20	14 30	15 31	1 22
S 20	23 25	23 1	3 35	23 0	0 9	12 42	2 51	17 49	0 27	3 58	1 11	3 5	2 20	4 48	0 40	6 41	0 54	4 1	17 2	4 40	4 19	14 27	15 32	1 22
S 21	23 26	26 13	4 17	23 15	0 16	13 0	2 52	18 0	0 26	3 57	1 11	3 6	2 20	4 48	0 40	6 41	0 54	4 1	17 2	4 36	4 17	14 24	15 34	1 23
M22	23 26	28 0	4 45	23 29	0 23	13 19	2 53	18 11	0 25	3 56	1 11	3 7	2 20	4 48	0 40	6 41	0 54	4 1	17 1	4 32	4 16	14 21	15 36	1 23
T 23	23 25	28 16	4 58	23 41	0 29	13 37	2 54	18 21	0 25	3 55	1 11	3 8	2 20	4 48	0 40	6 41	0 54	4 1	17 1	4 26	4 15	14 18	15 37	1 24
W24	23 24	27 5	4 57	23 53	0 36	13 54	2 55	18 32	0 24	3 54	1 12	3 9	2 21	4 48	0 40	6 41	0 54	4 1	17 1	4 20	4 14	14 15	15 39	1 24
T 25	23 23	24 37	4 42	24 3	0 42	14 12	2 55	18 42	0 24	3 53	1 12	3 10	2 21	4 49	0 40	6 42	0 54	4 0	17 0	4 15	4 12	14 12	15 40	1 24
F 26	23 21	21 5	4 15	24 12	0 49	14 30	2 56	18 52	0 23	3 53	1 12	3 11	2 21	4 49	0 40	6 42	0 54	4 0	17 0	4 11	4 11	14 9	15 42	1 25
S 27	23 18	16 44	3 36	24 20	0 55	14 47	2 56	19 2	0 23	3 52	1 12	3 12	2 21	4 49	0 40	6 42	0 54	4 0	17 0	4 7	4 10	14 6	15 43	1 25
S 28	23 15	11 47	2 49	24 26	1 1	15 5	2 56	19 12	0 22	3 52	1 13	3 13	2 22	4 49	0 40	6 42	0 54	4 0	16 59	4 5	4 9	14 3	15 45	1 26
M29	23 12	6 26	1 54	24 31	1 6	15 22	2 56	19 21	0 21	3 51	1 13	3 14	2 22	4 49	0 40	6 42	0 54	4 0	16 59	4 4	4 7	14 0	15 46	1 26
T 30	23 8	0 50	0 54	24 35	1 12	15 39	2 55	19 31	0 21	3 51	1 13	3 14	2 22	4 49	0 40	6 42	0 54	4 0	16 59	4 3	4 6	13 57	15 48	1 26
W31	23s 4	4n52	0n 9	24s38	1s17	15s55	2n55	19s40	0n20	3n50	1n14	3s15	2n22	4n49	0s39	6n43	0n54	3s59	16s58	4n 3	4n 5	13s54	15s49	1n27

Julian Day Number = 2487673.5, Delta T = 92.68 sec
Ecliptic obliquity = 23°25'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°07'20, Lahiri = 25°14'21