Astrodienst Ephemeris Tables

for the year 1708

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 1708
geocentric

JANUARY 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 38 46	9♑45'18	8♈29	25°R14	21♑48	23♐ 5	0♎54	12°R28	17°R18	20°R42	24°R37	12°R43	12♈40	21♐50	11♑15	S 1
M 2	6 42 43	10°46'28	21°57	24♐42	23° 4	23°50	0°57	12♊24	17♌16	20°D42	24♌36	12♈43	12°36	21°57	11°21	M 2
T 3	6 46 39	11°47'37	5♉50	24°21	24°19	24°34	0°59	12°20	17°14	20♈42	24°35	12°42	12°33	22° 4	11°27	T 3
W 4	6 50 36	12°48'46	20° 9	24° 9	25°34	25°19	1° 2	12°16	17°12	20°42	24°34	12°39	12°30	22°10	11°33	W 4
T 5	6 54 33	13°49'55	4♊53	24°D 7	26°50	26° 3	1° 4	12°12	17°10	20°42	24°33	12°33	12°27	22°17	11°39	T 5
F 6	6 58 29	14°51'03	19°57	24°14	28° 5	26°48	1° 6	12° 8	17° 8	20°43	24°32	12°24	12°24	22°24	11°45	F 6
S 7	7 2 26	15°52'11	5♋12	24°28	29°20	27°33	1° 8	12° 4	17° 6	20°43	24°31	12°13	12°21	22°30	11°51	S 7
S 8	7 6 22	16°53'19	20°27	24°50	0♒35	28°17	1°10	12° 1	17° 4	20°43	24°30	12° 1	12°17	22°37	11°57	S 8
M 9	7 10 19	17°54'26	5♌31	25°18	1°51	29° 2	1°11	11°57	17° 2	20°43	24°28	11°50	12°14	22°44	12° 2	M 9
T 10	7 14 15	18°55'33	20°14	25°53	3° 6	29°47	1°12	11°54	17° 0	20°43	24°27	11°40	12°11	22°51	12° 8	T 10
W11	7 18 12	19°56'39	4♍31	26°33	4°21	0♑32	1°14	11°50	16°58	20°44	24°26	11°33	12° 8	22°57	12°14	W11
T 12	7 22 9	20°57'45	18°16	27°17	5°36	1°17	1°15	11°47	16°55	20°44	24°25	11°29	12° 5	23° 4	12°20	T 12
F 13	7 26 5	21°58'51	1♎33	28° 7	6°51	2° 2	1°15	11°44	16°53	20°44	24°24	11°27	12° 1	23°11	12°26	F 13
S 14	7 30 2	22°59'57	14°22	29° 0	8° 7	2°47	1°16	11°41	16°51	20°45	24°23	11°D27	11°58	23°17	12°32	S 14
S 15	7 33 58	24° 1'02	26°49	29°56	9°22	3°32	1°16	11°38	16°48	20°45	24°21	11°R27	11°55	23°24	12°37	S 15
M16	7 37 55	25° 2'07	9♏ 0	0♑56	10°37	4°17	1°R16	11°35	16°46	20°46	24°20	11°26	11°52	23°31	12°43	M16
T 17	7 41 51	26° 3'12	20°58	1°59	11°52	5° 2	1°16	11°32	16°44	20°46	24°19	11°23	11°49	23°38	12°49	T 17
W18	7 45 48	27° 4'17	2♐50	3° 4	13° 7	5°47	1°16	11°29	16°41	20°47	24°17	11°18	11°46	23°44	12°55	W18
T 19	7 49 44	28° 5'21	14°39	4°12	14°22	6°32	1°16	11°27	16°39	20°47	24°16	11°10	11°42	23°51	13° 0	T 19
F 20	7 53 41	29° 6'24	26°30	5°21	15°37	7°17	1°15	11°24	16°36	20°48	24°15	10°59	11°39	23°58	13° 6	F 20
S 21	7 57 38	0♒ 7'27	8♑24	6°33	16°52	8° 2	1°15	11°22	16°34	20°49	24°14	10°46	11°36	24° 4	13°12	S 21
S 22	8 1 34	1° 8'29	20°25	7°47	18° 7	8°48	1°14	11°20	16°31	20°49	24°12	10°32	11°33	24°11	13°18	S 22
M23	8 5 31	2° 9'30	2♒32	9° 2	19°23	9°33	1°12	11°17	16°29	20°50	24°11	10°19	11°30	24°18	13°23	M23
T 24	8 9 27	3°10'31	14°47	10°18	20°38	10°18	1°11	11°15	16°26	20°51	24°10	10° 7	11°27	24°25	13°29	T 24
W25	8 13 24	4°11'30	27°11	11°36	21°53	11° 4	1°10	11°13	16°24	20°52	24° 8	9°57	11°23	24°31	13°34	W25
T 26	8 17 20	5°12'28	9♓44	12°56	23° 8	11°49	1° 8	11°11	16°21	20°53	24° 7	9°50	11°20	24°38	13°40	T 26
F 27	8 21 17	6°13'25	22°27	14°16	24°23	12°34	1° 6	11° 9	16°19	20°53	24° 5	9°46	11°17	24°45	13°46	F 27
S 28	8 25 13	7°14'21	5♈23	15°38	25°37	13°20	1° 4	11° 8	16°16	20°54	24° 4	9°D44	11°14	24°51	13°51	S 28
S 29	8 29 10	8°15'16	18°33	17° 1	26°52	14° 5	1° 1	11° 6	16°14	20°55	24° 3	9°45	11°11	24°58	13°57	S 29
M30	8 33 7	9°16'09	2♉ 0	18°25	28° 7	14°51	0°59	11° 5	16°11	20°56	24° 1	9°45	11° 7	25° 5	14° 2	M30
T 31	8 37 3	10♒17'01	15♉45	19♑50	29♒22	15♑37	0♎56	11♊ 3	16♌ 8	20♈57	24♌ 0	9°R45	11♈ 4	25♐12	14♑ 7	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	23s 7	3n 2	0s22	20s10	3n13	22s54	1s12	23s47	0s29	0n51	1n19	20n43	1s37	16n22	0n43	6n29	1s44	23n27	10n45	5n 2	5n 1	28s 2	16s45	6n17
M 2	23 2	9 19	0n49	20 11	3 12	22 43	1 14	23 50	0 29	0 50	1 20	20 43	1 37	16 22	0 43	6 29	1 44	23 27	10 46	5 2	4 59	28 2	16 44	6 17
T 3	22 57	15 21	1 59	20 13	3 9	22 32	1 15	23 52	0 30	0 50	1 20	20 42	1 37	16 23	0 43	6 29	1 44	23 28	10 46	5 2	4 58	28 3	16 44	6 17
W 4	22 52	20 45	3 4	20 17	3 4	22 19	1 17	23 54	0 31	0 49	1 20	20 42	1 37	16 23	0 43	6 29	1 44	23 29	10 46	5 0	4 57	28 4	16 43	6 17
T 5	22 46	25 3	3 58	20 22	2 59	22 6	1 18	23 57	0 31	0 48	1 20	20 42	1 37	16 24	0 43	6 29	1 44	23 29	10 47	4 58	4 56	28 5	16 43	6 17
F 6	22 39	27 42	4 37	20 29	2 52	21 53	1 19	23 58	0 32	0 48	1 21	20 41	1 36	16 25	0 43	6 30	1 44	23 30	10 47	4 54	4 54	28 5	16 42	6 17
S 7	22 32	28 20	4 58	20 37	2 45	21 38	1 21	24 0	0 33	0 47	1 21	20 41	1 36	16 25	0 43	6 30	1 44	23 31	10 47	4 50	4 53	28 6	16 41	6 17
S 8	22 25	26 48	4 57	20 46	2 36	21 23	1 22	24 1	0 33	0 47	1 21	20 41	1 36	16 26	0 43	6 30	1 44	23 31	10 48	4 45	4 52	28 7	16 41	6 17
M 9	22 17	23 22	4 35	20 56	2 28	21 8	1 23	24 2	0 34	0 46	1 21	20 41	1 36	16 27	0 43	6 30	1 44	23 32	10 48	4 41	4 51	28 7	16 40	6 17
T 10	22 8	18 29	3 55	21 6	2 19	20 52	1 24	24 3	0 34	0 46	1 22	20 40	1 36	16 27	0 43	6 30	1 44	23 32	10 48	4 37	4 49	28 8	16 40	6 17
W11	22 0	12 42	3 2	21 16	2 10	20 35	1 25	24 4	0 35	0 46	1 22	20 40	1 35	16 28	0 43	6 30	1 44	23 33	10 48	4 35	4 48	28 9	16 39	6 17
T 12	21 51	6 28	1 59	21 27	2 0	20 17	1 26	24 4	0 36	0 46	1 22	20 40	1 35	16 29	0 43	6 30	1 44	23 34	10 49	4 33	4 47	28 9	16 38	6 17
F 13	21 41	0 11	0 52	21 37	1 51	19 59	1 27	24 4	0 36	0 46	1 23	20 40	1 35	16 30	0 43	6 31	1 44	23 34	10 49	4 32	4 46	28 10	16 38	6 18
S 14	21 31	5s55	0s15	21 48	1 41	19 41	1 28	24 4	0 37	0 46	1 23	20 39	1 35	16 30	0 43	6 31	1 44	23 35	10 49	4 32	4 44	28 11	16 37	6 18
S 15	21 21	11 36	1 20	21 58	1 31	19 22	1 28	24 3	0 37	0 46	1 23	20 39	1 35	16 31	0 43	6 31	1 44	23 36	10 49	4 32	4 43	28 11	16 37	6 18
M16	21 10	16 44	2 20	22 7	1 22	19 2	1 29	24 3	0 38	0 46	1 23	20 39	1 34	16 32	0 44	6 31	1 43	23 36	10 50	4 32	4 42	28 12	16 36	6 18
T 17	20 58	21 8	3 13	22 16	1 12	18 42	1 30	24 2	0 39	0 46	1 24	20 39	1 34	16 32	0 44	6 32	1 43	23 37	10 50	4 31	4 41	28 13	16 35	6 18
W18	20 47	24 38	3 57	22 24	1 2	18 21	1 30	24 0	0 39	0 47	1 24	20 39	1 34	16 33	0 44	6 32	1 43	23 38	10 50	4 29	4 39	28 13	16 34	6 18
T 19	20 35	27 4	4 30	22 32	0 53	18 0	1 31	23 59	0 40	0 47	1 24	20 39	1 34	16 34	0 44	6 32	1 43	23 38	10 50	4 25	4 38	28 14	16 34	6 18
F 20	20 22	28 17	4 51	22 39	0 44	17 38	1 31	23 57	0 40	0 48	1 25	20 39	1 34	16 35	0 44	6 32	1 43	23 39	10 50	4 21	4 37	28 14	16 33	6 19
S 21	20 10	28 13	5 1	22 45	0 35	17 16	1 32	23 55	0 41	0 48	1 25	20 38	1 33	16 35	0 44	6 33	1 43	23 40	10 51	4 16	4 36	28 15	16 32	6 19
S 22	19 56	26 49	4 56	22 50	0 26	16 53	1 32	23 53	0 42	0 49	1 25	20 38	1 33	16 36	0 44	6 33	1 43	23 40	10 51	4 11	4 34	28 16	16 32	6 19
M23	19 43	24 9	4 39	22 54	0 17	16 30	1 32	23 50	0 42	0 49	1 25	20 38	1 33	16 37	0 44	6 33	1 43	23 41	10 51	4 5	4 33	28 16	16 31	6 19
T 24	19 29	20 23	4 8	22 57	0 8	16 6	1 32	23 47	0 43	0 50	1 26	20 38	1 33	16 38	0 44	6 34	1 43	23 42	10 51	4 1	4 32	28 17	16 30	6 19
W25	19 15	15 41	3 26	22 59	0s 0	15 42	1 32	23 44	0 43	0 51	1 26	20 38	1 32	16 39	0 44	6 34	1 43	23 42	10 51	3 57	4 31	28 17	16 29	6 20
T 26	19 0	10 17	2 32	23 0	0 9	15 17	1 32	23 41	0 44	0 52	1 26	20 38	1 32	16 39	0 44	6 34	1 43	23 43	10 52	3 54	4 30	28 18	16 29	6 20
F 27	18 45	4 23	1 31	22 59	0 17	14 52	1 32	23 37	0 45	0 53	1 26	20 38	1 32	16 40	0 44	6 35	1 43	23 44	10 52	3 52	4 28	28 18	16 28	6 20
S 28	18 30	1n47	0 23	22 58	0 25	14 27	1 32	23 34	0 45	0 54	1 27	20 38	1 32	16 41	0 44	6 35	1 43	23 44	10 52	3 52	4 27	28 19	16 27	6 20
S 29	18 14	8 0	0n47	22 56	0 32	14 1	1 32	23 29	0 46	0 55	1 27	20 38	1 31	16 42	0 44	6 35	1 43	23 45	10 52	3 52	4 26	28 19	16 26	6 21
M30	17 58	14 0	1 56	22 52	0 39	13 35	1 32	23 25	0 46	0 57	1 27	20 38	1 31	16 42	0 44	6 36	1 43	23 46	10 52	3 52	4 25	28 20	16 26	6 21
T 31	17s42	19n27	3n 0	22s47	0s47	13s 8	1s31	23s21	0s47	0n58	1n28	20n38	1s31	16n43	0n44	6n36	1s43	23n46	10n53	3n52	4n23	28s20	16s25	6n21

Julian Day Number = 2344893.5, Delta T = 11.97 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°39'51, Lahiri = 19°46'51Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

FEBRUARY 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 41 0	11♒17'51	29♉50	21♑16	0♓37	16♑22	0°R53	11°R 2	16°R 6	20♈58	23°R58	9°R44	11♈ 1	25♐18	14♑13	W 1
T 2	8 44 56	12°18'40	14♊15	22°43	1°52	17° 8	0♎50	11♊ 1	16♌ 3	20°59	23♌57	9♈40	10°58	25°25	14°18	T 2
F 3	8 48 53	13°19'28	28°56	24°10	3° 7	17°53	0°47	11° 0	16° 0	21° 0	23°55	9°34	10°55	25°32	14°24	F 3
S 4	8 52 49	14°20'14	13♋47	25°39	4°21	18°39	0°44	10°59	15°58	21° 1	23°54	9°26	10°52	25°39	14°29	S 4
S 5	8 56 46	15°20'59	28°42	27° 8	5°36	19°25	0°40	10°58	15°55	21° 3	23°52	9°17	10°48	25°45	14°34	S 5
M 6	9 0 42	16°21'42	13♌30	28°39	6°51	20°11	0°37	10°58	15°53	21° 4	23°51	9° 8	10°45	25°52	14°39	M 6
T 7	9 4 39	17°22'24	28° 5	0♒10	8° 6	20°56	0°33	10°57	15°50	21° 5	23°49	9° 1	10°42	25°59	14°45	T 7
W 8	9 8 36	18°23'04	12♍18	1°42	9°20	21°42	0°29	10°57	15°47	21° 6	23°48	8°56	10°39	26° 5	14°50	W 8
T 9	9 12 32	19°23'44	26° 5	3°15	10°35	22°28	0°24	10°56	15°45	21° 7	23°46	8°53	10°36	26°12	14°55	T 9
F 10	9 16 29	20°24'21	9♎26	4°49	11°49	23°14	0°20	10°56	15°42	21° 9	23°45	8°D52	10°33	26°19	15° 0	F 10
S 11	9 20 25	21°24'58	22°22	6°23	13° 4	24° 0	0°15	10°56	15°40	21°10	23°43	8°53	10°29	26°26	15° 5	S 11
S 12	9 24 22	22°25'34	4♏55	7°59	14°19	24°46	0°11	10°D56	15°37	21°11	23°42	8°54	10°26	26°32	15°10	S 12
M13	9 28 18	23°26'08	17°10	9°35	15°33	25°32	0° 6	10°56	15°34	21°13	23°40	8°55	10°23	26°39	15°15	M13
T 14	9 32 15	24°26'41	29°12	11°12	16°48	26°18	0° 1	10°56	15°32	21°14	23°39	8°R55	10°20	26°46	15°20	T 14
W15	9 36 11	25°27'13	11♐ 6	12°51	18° 2	27° 4	29♍55	10°56	15°29	21°16	23°37	8°54	10°17	26°52	15°25	W15
T 16	9 40 8	26°27'44	22°57	14°30	19°16	27°50	29°50	10°57	15°27	21°17	23°36	8°50	10°13	26°59	15°30	T 16
F 17	9 44 5	27°28'13	4♑49	16°10	20°31	28°36	29°45	10°57	15°24	21°18	23°34	8°45	10°10	27° 6	15°34	F 17
S 18	9 48 1	28°28'41	16°46	17°51	21°45	29°22	29°39	10°58	15°21	21°20	23°33	8°38	10° 7	27°13	15°39	S 18
S 19	9 51 58	29°29'08	28°52	19°32	22°59	0♒ 8	29°33	10°59	15°19	21°22	23°32	8°31	10° 4	27°19	15°44	S 19
M20	9 55 54	0♓29'32	11♒ 8	21°15	24°14	0°54	29°27	11° 0	15°16	21°23	23°30	8°24	10° 1	27°26	15°48	M20
T 21	9 59 51	1°29'56	23°36	22°59	25°28	1°40	29°21	11° 1	15°14	21°25	23°29	8°17	9°58	27°33	15°53	T 21
W22	10 3 47	2°30'17	6♓16	24°44	26°42	2°26	29°15	11° 2	15°11	21°26	23°27	8°12	9°54	27°39	15°58	W22
T 23	10 7 44	3°30'37	19° 8	26°30	27°56	3°13	29° 9	11° 3	15° 9	21°28	23°26	8° 8	9°51	27°46	16° 2	T 23
F 24	10 11 40	4°30'55	2♈13	28°16	29°11	3°59	29° 2	11° 5	15° 7	21°30	23°24	8°D 7	9°48	27°53	16° 6	F 24
S 25	10 15 37	5°31'11	15°29	0♓ 4	0♈25	4°45	28°56	11° 6	15° 4	21°31	23°23	8° 7	9°45	28° 0	16°11	S 25
S 26	10 19 34	6°31'25	28°57	1°53	1°39	5°31	28°49	11° 8	15° 2	21°33	23°21	8° 8	9°42	28° 6	16°15	S 26
M27	10 23 30	7°31'37	12♉37	3°43	2°53	6°18	28°42	11° 9	14°59	21°35	23°20	8° 9	9°39	28°13	16°19	M27
T 28	10 27 27	8°31'47	26°29	5°34	4° 7	7° 4	28°36	11°11	14°57	21°36	23°18	8°11	9°35	28°20	16°24	T 28
W29	10 31 23	9♓31'55	10♊31	7♓26	5♈21	7♒50	28♍29	11♊13	14♌55	21♈38	23♌17	8°R11	9♈32	28♐27	16♑28	W29

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	17s25	23n58	3n55	22s41	0s53	12s42	1s31	23s16	0s47	0n59	1n28	20n38	1s31	16n44	0n44	6n37	1s43	23n47	10n53	3n52	4n22	28s21	16s24	6n21
T 2	17 8	27 7	4 36	22 33	1 0	12 14	1 31	23 10	0 48	1 1	1 28	20 38	1 30	16 45	0 44	6 37	1 43	23 47	10 53	3 50	4 21	28 21	16 23	6 22
F 3	16 51	28 28	5 0	22 24	1 6	11 47	1 30	23 5	0 49	1 2	1 28	20 38	1 30	16 46	0 44	6 38	1 43	23 48	10 53	3 48	4 20	28 22	16 22	6 22
S 4	16 33	27 48	5 4	22 14	1 12	11 19	1 30	22 59	0 49	1 4	1 29	20 39	1 30	16 46	0 44	6 38	1 42	23 49	10 53	3 45	4 18	28 22	16 21	6 22
S 5	16 16	25 9	4 48	22 3	1 18	10 51	1 29	22 54	0 50	1 5	1 29	20 39	1 30	16 47	0 44	6 39	1 42	23 49	10 53	3 41	4 17	28 23	16 21	6 22
M 6	15 58	20 49	4 12	21 50	1 24	10 23	1 28	22 47	0 50	1 7	1 29	20 39	1 29	16 48	0 44	6 39	1 42	23 50	10 53	3 38	4 16	28 23	16 20	6 23
T 7	15 39	15 18	3 21	21 36	1 29	9 54	1 27	22 41	0 51	1 9	1 29	20 39	1 29	16 49	0 44	6 40	1 42	23 51	10 53	3 35	4 15	28 24	16 19	6 23
W 8	15 21	9 5	2 18	21 20	1 34	9 25	1 26	22 34	0 51	1 11	1 30	20 39	1 29	16 50	0 44	6 40	1 42	23 51	10 54	3 33	4 13	28 24	16 18	6 23
T 9	15 2	2 36	1 8	21 4	1 39	8 56	1 25	22 28	0 52	1 13	1 30	20 39	1 29	16 50	0 44	6 41	1 42	23 52	10 54	3 32	4 12	28 24	16 17	6 24
F 10	14 43	3s48	0s 3	20 45	1 43	8 26	1 24	22 20	0 53	1 15	1 30	20 40	1 29	16 51	0 44	6 41	1 42	23 52	10 54	3 31	4 11	28 25	16 16	6 24
S 11	14 23	9 50	1 12	20 26	1 47	7 57	1 23	22 13	0 53	1 17	1 30	20 40	1 28	16 52	0 44	6 42	1 42	23 53	10 54	3 32	4 10	28 25	16 16	6 24
S 12	14 4	15 19	2 16	20 5	1 51	7 27	1 22	22 5	0 54	1 19	1 30	20 40	1 28	16 53	0 44	6 42	1 42	23 54	10 54	3 32	4 8	28 26	16 15	6 25
M13	13 44	20 3	3 12	19 43	1 54	6 57	1 21	21 58	0 54	1 21	1 31	20 40	1 28	16 54	0 44	6 43	1 42	23 54	10 54	3 33	4 7	28 26	16 14	6 25
T 14	13 24	23 53	3 58	19 19	1 57	6 27	1 20	21 49	0 55	1 23	1 31	20 41	1 28	16 54	0 44	6 43	1 42	23 55	10 54	3 33	4 6	28 26	16 13	6 25
W15	13 3	26 39	4 34	18 54	1 59	5 56	1 18	21 41	0 55	1 25	1 31	20 41	1 27	16 55	0 44	6 44	1 42	23 55	10 54	3 32	4 5	28 27	16 12	6 26
T 16	12 43	28 14	4 57	18 27	2 2	5 26	1 17	21 33	0 56	1 28	1 31	20 41	1 27	16 56	0 44	6 44	1 42	23 56	10 54	3 31	4 3	28 27	16 11	6 26
F 17	12 22	28 31	5 8	17 59	2 4	4 55	1 16	21 24	0 56	1 30	1 32	20 42	1 27	16 57	0 44	6 45	1 42	23 57	10 54	3 29	4 2	28 28	16 10	6 26
S 18	12 1	27 29	5 6	17 30	2 5	4 25	1 14	21 15	0 57	1 33	1 32	20 42	1 27	16 57	0 44	6 46	1 42	23 57	10 54	3 26	4 1	28 28	16 9	6 27
S 19	11 40	25 9	4 50	16 59	2 6	3 54	1 12	21 5	0 57	1 35	1 32	20 42	1 26	16 58	0 44	6 46	1 42	23 58	10 54	3 23	4 0	28 28	16 8	6 27
M20	11 19	21 38	4 20	16 26	2 7	3 23	1 11	20 56	0 58	1 38	1 32	20 43	1 26	16 59	0 44	6 47	1 42	23 58	10 54	3 20	3 58	28 29	16 7	6 28
T 21	10 58	17 6	3 38	15 53	2 7	2 52	1 9	20 46	0 58	1 40	1 32	20 43	1 26	17 0	0 44	6 48	1 42	23 59	10 54	3 17	3 57	28 29	16 7	6 28
W22	10 36	11 47	2 45	15 18	2 7	2 20	1 7	20 36	0 59	1 43	1 32	20 43	1 26	17 0	0 44	6 48	1 42	23 59	10 54	3 15	3 56	28 29	16 6	6 28
T 23	10 14	5 52	1 42	14 41	2 6	1 49	1 5	20 26	0 59	1 45	1 33	20 44	1 25	17 1	0 44	6 49	1 42	24 0	10 55	3 14	3 55	28 30	16 5	6 29
F 24	9 52	0n23	0 32	14 3	2 5	1 18	1 3	20 16	1 0	1 48	1 33	20 44	1 25	17 2	0 44	6 49	1 42	24 0	10 55	3 13	3 53	28 30	16 4	6 29
S 25	9 30	6 44	0n40	13 24	2 4	0 47	1 1	20 5	1 0	1 51	1 33	20 45	1 25	17 2	0 44	6 50	1 42	24 1	10 55	3 13	3 52	28 30	16 3	6 30
S 26	9 8	12 51	1 51	12 43	2 2	0 15	0 59	19 54	1 1	1 54	1 33	20 45	1 25	17 3	0 44	6 51	1 41	24 1	10 55	3 14	3 51	28 30	16 2	6 30
M27	8 46	18 28	2 57	12 1	1 59	0n16	0 57	19 43	1 1	1 56	1 33	20 46	1 24	17 4	0 44	6 51	1 41	24 2	10 55	3 14	3 50	28 31	16 1	6 31
T 28	8 23	23 11	3 54	11 17	1 56	0 48	0 55	19 32	1 2	1 59	1 33	20 46	1 24	17 4	0 44	6 52	1 41	24 2	10 55	3 15	3 48	28 31	16 0	6 31
W29	8s 1	26n38	4n38	10s32	1s53	1n19	0s53	19s21	1s 2	2n 2	1n34	20n47	1s24	17n 5	0n44	6n53	1s41	24n 3	10n55	3n15	3n47	28s31	15s59	6n31

Julian Day Number = 2344924.5, Delta T = 11.95 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°39'55, Lahiri = 19°46'55Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

MARCH 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 20	10♓32'01	24♊44	9♓19	6♈35	8♒37	28°R22	11♊15	14°R52	21♈40	23°R15	8°R11	9♈29	28♐33	16♉32	T 1
F 2	10 39 16	11°32'05	9♋ 5	11°12	7°48	9°23	28♍14	11°17	14♌50	21°42	23♌14	8♈ 9	9°26	28°40	16°36	F 2
S 3	10 43 13	12°32'06	23°30	13° 7	9° 2	10° 9	28° 7	11°19	14°48	21°44	23°13	8° 6	9°23	28°47	16°40	S 3
S 4	10 47 9	13°32'06	7♌55	15° 3	10°16	10°56	28° 0	11°22	14°46	21°46	23°11	8° 2	9°19	28°53	16°44	S 4
M 5	10 51 6	14°32'03	22°16	16°59	11°30	11°42	27°53	11°24	14°43	21°47	23°10	7°59	9°16	29° 0	16°48	M 5
T 6	10 55 3	15°31'58	6♍25	18°56	12°43	12°28	27°45	11°27	14°41	21°49	23° 9	7°56	9°13	29° 7	16°52	T 6
W 7	10 58 59	16°31'51	20°20	20°54	13°57	13°15	27°38	11°29	14°39	21°51	23° 7	7°54	9°10	29°14	16°55	W 7
T 8	11 2 56	17°31'42	3♎56	22°52	15°10	14° 1	27°30	11°32	14°37	21°53	23° 6	7°D53	9° 7	29°20	16°59	T 8
F 9	11 6 52	18°31'31	17°11	24°50	16°24	14°48	27°23	11°35	14°35	21°55	23° 4	7°53	9° 4	29°27	17° 3	F 9
S 10	11 10 49	19°31'19	0♏ 5	26°49	17°37	15°34	27°15	11°38	14°33	21°57	23° 3	7°54	9° 0	29°34	17° 6	S 10
S 11	11 14 45	20°31'04	12°40	28°47	18°51	16°21	27° 7	11°41	14°31	21°59	23° 2	7°55	8°57	29°40	17°10	S 11
M12	11 18 42	21°30'48	24°58	0♈45	20° 4	17° 7	27° 0	11°44	14°29	22° 1	23° 1	7°57	8°54	29°47	17°13	M12
T 13	11 22 38	22°30'30	7♐ 3	2°42	21°17	17°54	26°52	11°47	14°27	22° 3	22°59	7°58	8°51	29°54	17°16	T 13
W14	11 26 35	23°30'11	19° 0	4°38	22°30	18°40	26°44	11°51	14°25	22° 5	22°58	7°R59	8°48	0♉ 1	17°20	W14
T 15	11 30 32	24°29'50	0♑53	6°33	23°44	19°27	26°37	11°54	14°23	22° 7	22°57	7°59	8°44	0° 7	17°23	T 15
F 16	11 34 28	25°29'27	12°46	8°26	24°57	20°13	26°29	11°58	14°22	22° 9	22°56	7°58	8°41	0°14	17°26	F 16
S 17	11 38 25	26°29'02	24°45	10°17	26°10	21° 0	26°21	12° 1	14°20	22°11	22°54	7°57	8°38	0°21	17°29	S 17
S 18	11 42 21	27°28'35	6♒54	12° 6	27°23	21°46	26°13	12° 5	14°18	22°13	22°53	7°55	8°35	0°28	17°32	S 18
M19	11 46 18	28°28'07	19°15	13°51	28°36	22°33	26° 5	12° 9	14°17	22°15	22°52	7°54	8°32	0°34	17°35	M19
T 20	11 50 14	29°27'37	1♓52	15°32	29°49	23°19	25°58	12°13	14°15	22°18	22°51	7°53	8°29	0°41	17°38	T 20
W21	11 54 11	0♈27'04	14°46	17°10	1♉ 2	24° 6	25°50	12°17	14°13	22°20	22°50	7°52	8°25	0°48	17°41	W21
T 22	11 58 7	1°26'30	27°58	18°44	2°14	24°52	25°42	12°21	14°12	22°22	22°49	7°51	8°22	0°54	17°43	T 22
F 23	12 2 4	2°25'53	11♈26	20°12	3°27	25°39	25°35	12°25	14°10	22°24	22°48	7°D51	8°19	1° 1	17°46	F 23
S 24	12 6 0	3°25'15	25° 8	21°36	4°40	26°25	25°27	12°29	14° 9	22°26	22°46	7°51	8°16	1° 8	17°49	S 24
S 25	12 9 57	4°24'34	9♉ 4	22°54	5°52	27°12	25°19	12°34	14° 7	22°28	22°45	7°52	8°13	1°15	17°51	S 25
M26	12 13 54	5°23'52	23° 8	24° 6	7° 5	27°59	25°12	12°38	14° 6	22°30	22°44	7°52	8°10	1°21	17°54	M26
T 27	12 17 50	6°23'07	7♊19	25°12	8°17	28°45	25° 4	12°43	14° 5	22°33	22°43	7°52	8° 6	1°28	17°56	T 27
W28	12 21 47	7°22'20	21°33	26°12	9°30	29°32	24°57	12°47	14° 3	22°35	22°42	7°52	8° 3	1°35	17°58	W28
T 29	12 25 43	8°21'30	5♋47	27° 5	10°42	0♓18	24°49	12°52	14° 2	22°37	22°41	7°52	8° 0	1°41	18° 0	T 29
F 30	12 29 40	9°20'38	19°58	27°51	11°54	1° 5	24°42	12°57	14° 1	22°39	22°40	7°52	7°57	1°48	18° 3	F 30
S 31	12 33 36	10♈19'44	4♌ 6	28♈31	13♉ 7	1♓51	24♍35	13♊ 2	14♌ 0	22♈41	22♌40	7♈52	7♈54	1♉55	18♉ 5	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	7s38	28n27	5n 5	9s46	1s49	1n50	0s51	19s 9	1s 3	2n 5	1n34	20n47	1s24	17n 6	0n44	6n54	1s41	24n 3	10n55	3n15	3n46	28s31	15s58	6n32
F 2	7 15	28 23	5 13	8 59	1 44	2 22	0 48	18 57	1 3	2 8	1 34	20 48	1 23	17 6	0 44	6 54	1 41	24 4	10 54	3 14	3 45	28 32	15 57	6 32
S 3	6 52	26 23	5 2	8 10	1 39	2 53	0 46	18 45	1 4	2 11	1 34	20 48	1 23	17 7	0 44	6 55	1 41	24 4	10 54	3 13	3 43	28 32	15 56	6 33
S 4	6 29	22 42	4 32	7 20	1 33	3 24	0 44	18 33	1 4	2 14	1 34	20 49	1 23	17 8	0 44	6 56	1 41	24 5	10 54	3 12	3 42	28 32	15 55	6 33
M 5	6 6	17 39	3 45	6 29	1 27	3 55	0 41	18 21	1 5	2 17	1 34	20 49	1 23	17 8	0 44	6 56	1 41	24 5	10 54	3 10	3 41	28 32	15 55	6 34
T 6	5 43	11 43	2 44	5 37	1 20	4 26	0 39	18 8	1 5	2 20	1 34	20 50	1 22	17 9	0 44	6 57	1 41	24 6	10 54	3 9	3 40	28 33	15 54	6 34
W 7	5 19	5 18	1 35	4 43	1 12	4 57	0 36	17 55	1 6	2 23	1 34	20 50	1 22	17 10	0 44	6 58	1 41	24 6	10 54	3 8	3 38	28 33	15 53	6 35
T 8	4 56	1s14	0 22	3 49	1 4	5 28	0 34	17 42	1 6	2 26	1 35	20 51	1 22	17 10	0 44	6 59	1 41	24 6	10 54	3 8	3 37	28 33	15 52	6 35
F 9	4 33	7 33	0s51	2 54	0 56	5 59	0 31	17 29	1 6	2 29	1 35	20 52	1 22	17 11	0 44	6 59	1 41	24 7	10 54	3 8	3 36	28 33	15 51	6 36
S 10	4 9	13 23	1 59	1 59	0 47	6 29	0 28	17 16	1 7	2 33	1 35	20 52	1 22	17 11	0 44	7 0	1 41	24 7	10 54	3 8	3 35	28 33	15 50	6 36
S 11	3 46	18 31	3 0	1 3	0 37	7 0	0 26	17 2	1 7	2 36	1 35	20 53	1 21	17 12	0 44	7 1	1 41	24 7	10 54	3 9	3 33	28 33	15 49	6 37
M12	3 22	22 47	3 51	0 7	0 27	7 30	0 23	16 48	1 8	2 39	1 35	20 54	1 21	17 12	0 43	7 2	1 41	24 8	10 54	3 9	3 32	28 34	15 48	6 37
T 13	2 59	25 59	4 31	0n50	0 16	8 0	0 20	16 35	1 8	2 42	1 35	20 54	1 21	17 13	0 43	7 2	1 41	24 8	10 54	3 10	3 31	28 34	15 47	6 38
W14	2 35	27 59	4 59	1 46	0 5	8 30	0 17	16 21	1 9	2 45	1 35	20 55	1 21	17 14	0 43	7 3	1 41	24 9	10 54	3 10	3 30	28 34	15 46	6 38
T 15	2 11	28 42	5 14	2 42	0n 7	9 0	0 14	16 6	1 9	2 48	1 35	20 56	1 21	17 14	0 43	7 4	1 41	24 9	10 54	3 10	3 28	28 34	15 45	6 39
F 16	1 48	28 5	5 15	3 38	0 18	9 30	0 12	15 52	1 9	2 51	1 35	20 56	1 20	17 15	0 43	7 5	1 41	24 9	10 54	3 10	3 27	28 34	15 44	6 39
S 17	1 24	26 10	5 3	4 33	0 31	9 59	0 9	15 38	1 10	2 54	1 35	20 57	1 20	17 15	0 43	7 6	1 41	24 10	10 53	3 9	3 26	28 34	15 43	6 40
S 18	1 0	23 2	4 37	5 27	0 43	10 28	0 6	15 23	1 10	2 58	1 35	20 58	1 20	17 16	0 43	7 6	1 41	24 10	10 53	3 9	3 25	28 34	15 43	6 40
M19	0 37	18 50	3 58	6 19	0 55	10 57	0 3	15 8	1 11	3 1	1 35	20 58	1 20	17 16	0 43	7 7	1 41	24 10	10 53	3 8	3 23	28 34	15 42	6 41
T 20	0 13	13 43	3 6	7 10	1 8	11 26	0n 0	14 53	1 11	3 4	1 35	20 59	1 19	17 16	0 43	7 8	1 41	24 10	10 53	3 8	3 22	28 35	15 41	6 41
W21	0n11	7 55	2 4	7 59	1 20	11 54	0 3	14 38	1 11	3 7	1 35	21 0	1 19	17 17	0 43	7 9	1 41	24 11	10 53	3 7	3 21	28 35	15 40	6 42
T 22	0 34	1 39	0 55	8 46	1 32	12 22	0 6	14 23	1 12	3 10	1 35	21 1	1 19	17 17	0 43	7 10	1 41	24 11	10 53	3 7	3 20	28 35	15 39	6 43
F 23	0 58	4n50	0n20	9 31	1 44	12 50	0 9	14 7	1 12	3 13	1 35	21 1	1 19	17 18	0 43	7 10	1 41	24 11	10 53	3 7	3 18	28 35	15 38	6 43
S 24	1 22	11 12	1 34	10 13	1 56	13 18	0 12	13 52	1 12	3 16	1 35	21 2	1 18	17 18	0 43	7 11	1 41	24 11	10 53	3 7	3 17	28 35	15 37	6 44
S 25	1 45	17 8	2 44	10 53	2 7	13 45	0 16	13 36	1 13	3 19	1 35	21 3	1 18	17 18	0 43	7 12	1 41	24 12	10 53	3 7	3 16	28 35	15 36	6 44
M26	2 9	22 13	3 45	11 29	2 17	14 12	0 19	13 20	1 13	3 22	1 35	21 4	1 18	17 19	0 43	7 13	1 41	24 12	10 52	3 8	3 14	28 35	15 35	6 45
T 27	2 32	26 3	4 33	12 3	2 27	14 38	0 22	13 4	1 13	3 25	1 35	21 4	1 18	17 19	0 43	7 14	1 41	24 12	10 52	3 8	3 13	28 35	15 35	6 45
W28	2 56	28 16	5 4	12 33	2 36	15 4	0 25	12 48	1 14	3 28	1 35	21 5	1 18	17 20	0 43	7 15	1 41	24 12	10 52	3 8	3 12	28 35	15 34	6 46
T 29	3 19	28 38	5 17	13 0	2 45	15 30	0 28	12 32	1 14	3 31	1 35	21 6	1 17	17 20	0 43	7 15	1 41	24 13	10 52	3 8	3 11	28 35	15 33	6 47
F 30	3 43	27 6	5 10	13 24	2 52	15 56	0 31	12 16	1 14	3 34	1 35	21 7	1 17	17 20	0 43	7 16	1 41	24 13	10 52	3 8	3 9	28 35	15 32	6 47
S 31	4n 6	23n52	4n44	13n44	2n58	16n21	0n34	12s 0	1s15	3n36	1n35	21n 8	1s17	17n20	0n43	7n17	1s41	24n13	10n52	3n 8	3n 8	28s35	15s31	6n48

Julian Day Number = 2344953.5, Delta T = 11.94 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°39'59, Lahiri = 19°46'59Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

APRIL 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 33	11♈18'47	18♌ 6	29♈ 4	14♉19	2♓38	24°R27	13♊ 7	13°R59	22♈44	22°R39	7♈53	7♈50	2♑ 2	18♑ 7	S 1
M 2	12 41 29	12°17'48	1♍57	29°30	15°31	3°24	24♍20	13°12	13♌58	22°46	22♌38	7°53	7°47	2° 8	18° 8	M 2
T 3	12 45 26	13°16'46	15°38	29°49	16°43	4°11	24°13	13°17	13°57	22°48	22°37	7°54	7°44	2°15	18°10	T 3
W 4	12 49 23	14°15'43	29° 6	0♉ 1	17°55	4°57	24° 6	13°22	13°56	22°50	22°36	7°54	7°41	2°22	18°12	W 4
T 5	12 53 19	15°14'37	12♎20	0°R 7	19° 6	5°44	23°59	13°27	13°55	22°53	22°35	7°R54	7°38	2°29	18°14	T 5
F 6	12 57 16	16°13'29	25°19	0° 5	20°18	6°30	23°53	13°33	13°54	22°55	22°34	7°54	7°35	2°35	18°15	F 6
S 7	13 1 12	17°12'20	8♏ 3	29♈58	21°30	7°17	23°46	13°38	13°53	22°57	22°34	7°53	7°31	2°42	18°17	S 7
S 8	13 5 9	18°11'08	20°33	29°44	22°41	8° 3	23°40	13°43	13°53	22°59	22°33	7°52	7°28	2°49	18°18	S 8
M 9	13 9 5	19° 9'55	2♐49	29°25	23°53	8°50	23°33	13°49	13°52	23° 2	22°32	7°50	7°25	2°55	18°20	M 9
T 10	13 13 2	20° 8'40	14°54	29° 0	25° 4	9°36	23°27	13°55	13°51	23° 4	22°32	7°48	7°22	3° 2	18°21	T 10
W11	13 16 58	21° 7'23	26°51	28°31	26°16	10°23	23°21	14° 0	13°51	23° 6	22°31	7°47	7°19	3° 9	18°22	W11
T 12	13 20 55	22° 6'04	8♑45	27°58	27°27	11° 9	23°14	14° 6	13°50	23° 8	22°30	7°46	7°16	3°16	18°23	T 12
F 13	13 24 52	23° 4'44	20°38	27°22	28°38	11°56	23° 9	14°12	13°50	23°11	22°30	7°D45	7°12	3°22	18°24	F 13
S 14	13 28 48	24° 3'22	2♒37	26°42	29°49	12°42	23° 3	14°18	13°50	23°13	22°29	7°45	7° 9	3°29	18°25	S 14
S 15	13 32 45	25° 1'58	14°45	26° 2	1♊ 0	13°29	22°57	14°24	13°49	23°15	22°29	7°46	7° 6	3°36	18°26	S 15
M16	13 36 41	26° 0'33	27° 7	25°19	2°11	14°15	22°51	14°30	13°49	23°18	22°28	7°47	7° 3	3°42	18°27	M16
T 17	13 40 38	26°59'05	9♓48	24°37	3°22	15° 1	22°46	14°36	13°49	23°20	22°28	7°49	7° 0	3°49	18°27	T 17
W18	13 44 34	27°57'36	22°49	23°55	4°33	15°48	22°41	14°42	13°48	23°22	22°27	7°50	6°56	3°56	18°28	W18
T 19	13 48 31	28°56'06	6♈12	23°15	5°43	16°34	22°36	14°48	13°48	23°24	22°27	7°R51	6°53	4° 3	18°29	T 19
F 20	13 52 27	29°54'33	19°58	22°36	6°54	17°20	22°31	14°54	13°48	23°27	22°26	7°50	6°50	4° 9	18°29	F 20
S 21	13 56 24	0♉52'59	4♉ 5	22° 0	8° 5	18° 7	22°26	15° 1	13°D48	23°29	22°26	7°49	6°47	4°16	18°29	S 21
S 22	14 0 21	1°51'23	18°27	21°27	9°15	18°53	22°21	15° 7	13°48	23°31	22°25	7°46	6°44	4°23	18°30	S 22
M23	14 4 17	2°49'45	3♊ 1	20°58	10°25	19°39	22°17	15°14	13°48	23°33	22°25	7°43	6°41	4°30	18°30	M23
T 24	14 8 14	3°48'05	17°38	20°32	11°35	20°25	22°12	15°20	13°48	23°36	22°25	7°39	6°37	4°36	18°30	T 24
W25	14 12 10	4°46'23	2♋13	20°11	12°46	21°12	22° 8	15°27	13°49	23°38	22°25	7°36	6°34	4°43	18°R30	W25
T 26	14 16 7	5°44'40	16°40	19°54	13°56	21°58	22° 4	15°33	13°49	23°40	22°24	7°34	6°31	4°50	18°30	T 26
F 27	14 20 3	6°42'54	0♌56	19°42	15° 5	22°44	22° 0	15°40	13°49	23°42	22°24	7°D33	6°28	4°56	18°30	F 27
S 28	14 24 0	7°41'05	14°57	19°34	16°15	23°30	21°56	15°47	13°50	23°44	22°24	7°33	6°25	5° 3	18°30	S 28
S 29	14 27 56	8°39'15	28°43	19°D32	17°25	24°16	21°53	15°53	13°50	23°47	22°24	7°34	6°22	5°10	18°30	S 29
M30	14 31 53	9♉37'23	12♍14	19♈34	18♊34	25♓ 2	21♍49	16♊ 0	13♌50	23♈49	22♌24	7♈35	6♈18	5♑17	18♑29	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	4n29	19n16	4n 2	14n 1	3n 4	16n45	0n37	11s43	1s15	3n39	1n35	21n 8	1s17	17n21	0n43	7n18	1s41	24n13	10n51	3n 8	3n 7	28s35	15s30	6n48
M 2	4 52	13 42	3 6	14 14	3 8	17 10	0 41	11 27	1 15	3 42	1 35	21 9	1 17	17 21	0 43	7 19	1 41	24 13	10 51	3 8	3 6	28 35	15 30	6 49
T 3	5 15	7 31	2 0	14 24	3 10	17 33	0 44	11 10	1 15	3 45	1 35	21 10	1 16	17 21	0 43	7 20	1 41	24 13	10 51	3 8	3 4	28 35	15 29	6 49
W 4	5 38	1 6	0 49	14 29	3 12	17 57	0 47	10 53	1 16	3 47	1 35	21 11	1 16	17 22	0 43	7 20	1 41	24 13	10 51	3 8	3 3	28 35	15 28	6 50
T 5	6 1	5s16	0s25	14 31	3 12	18 20	0 50	10 36	1 16	3 50	1 34	21 12	1 16	17 22	0 43	7 21	1 41	24 14	10 51	3 8	3 2	28 35	15 27	6 51
F 6	6 23	11 17	1 35	14 30	3 11	18 42	0 53	10 19	1 16	3 53	1 34	21 13	1 16	17 22	0 43	7 22	1 41	24 14	10 51	3 8	3 1	28 35	15 26	6 51
S 7	6 46	16 44	2 39	14 24	3 8	19 4	0 56	10 2	1 17	3 55	1 34	21 13	1 16	17 22	0 43	7 23	1 41	24 14	10 50	3 8	2 59	28 35	15 26	6 52
S 8	7 9	21 22	3 35	14 15	3 3	19 26	0 59	9 45	1 17	3 58	1 34	21 14	1 15	17 22	0 43	7 24	1 41	24 14	10 50	3 7	2 58	28 35	15 25	6 52
M 9	7 31	24 59	4 19	14 3	2 58	19 47	1 2	9 28	1 17	4 0	1 34	21 15	1 15	17 22	0 43	7 25	1 41	24 14	10 50	3 7	2 57	28 35	15 24	6 53
T 10	7 53	27 26	4 51	13 47	2 50	20 7	1 5	9 10	1 17	4 3	1 34	21 16	1 15	17 23	0 43	7 25	1 41	24 14	10 50	3 6	2 56	28 34	15 23	6 54
W11	8 15	28 36	5 10	13 29	2 41	20 28	1 9	8 53	1 17	4 5	1 34	21 17	1 15	17 23	0 43	7 26	1 41	24 14	10 50	3 5	2 54	28 34	15 23	6 54
T 12	8 37	28 26	5 16	13 7	2 31	20 47	1 12	8 35	1 18	4 7	1 34	21 18	1 15	17 23	0 43	7 27	1 41	24 14	10 49	3 5	2 53	28 34	15 22	6 55
F 13	8 59	26 58	5 8	12 43	2 20	21 6	1 15	8 18	1 18	4 9	1 33	21 19	1 15	17 23	0 43	7 28	1 41	24 14	10 49	3 5	2 52	28 34	15 21	6 55
S 14	9 21	24 15	4 47	12 17	2 7	21 24	1 18	8 0	1 18	4 12	1 33	21 19	1 14	17 23	0 43	7 29	1 41	24 14	10 49	3 5	2 51	28 34	15 20	6 56
S 15	9 42	20 27	4 12	11 49	1 53	21 42	1 20	7 43	1 18	4 14	1 33	21 20	1 14	17 23	0 43	7 30	1 41	24 14	10 49	3 5	2 49	28 34	15 20	6 57
M16	10 4	15 43	3 26	11 20	1 38	22 0	1 23	7 25	1 18	4 16	1 33	21 21	1 14	17 23	0 43	7 30	1 41	24 14	10 49	3 6	2 48	28 34	15 19	6 57
T 17	10 25	10 12	2 28	10 50	1 22	22 16	1 26	7 7	1 19	4 18	1 33	21 22	1 14	17 23	0 42	7 31	1 41	24 14	10 48	3 6	2 47	28 34	15 18	6 58
W18	10 46	4 7	1 22	10 19	1 6	22 33	1 29	6 49	1 19	4 20	1 33	21 23	1 14	17 23	0 42	7 32	1 41	24 14	10 48	3 7	2 46	28 33	15 18	6 58
T 19	11 7	2n20	0 9	9 49	0 49	22 48	1 32	6 31	1 19	4 22	1 33	21 24	1 14	17 23	0 42	7 33	1 41	24 14	10 48	3 7	2 44	28 33	15 17	6 59
F 20	11 28	8 51	1n 6	9 19	0 33	23 3	1 35	6 13	1 19	4 24	1 32	21 25	1 13	17 23	0 42	7 34	1 41	24 14	10 48	3 7	2 43	28 33	15 16	7 0
S 21	11 48	15 5	2 19	8 49	0 16	23 18	1 37	5 55	1 19	4 25	1 32	21 25	1 13	17 23	0 42	7 35	1 41	24 14	10 47	3 6	2 42	28 33	15 16	7 0
S 22	12 8	20 38	3 25	8 21	0s 1	23 31	1 40	5 37	1 19	4 27	1 32	21 26	1 13	17 23	0 42	7 35	1 41	24 14	10 47	3 5	2 41	28 33	15 15	7 1
M23	12 28	25 0	4 18	7 55	0 18	23 45	1 43	5 19	1 19	4 29	1 32	21 27	1 13	17 23	0 42	7 36	1 41	24 13	10 47	3 4	2 39	28 33	15 14	7 1
T 24	12 48	27 47	4 54	7 30	0 34	23 57	1 45	5 1	1 20	4 30	1 32	21 28	1 13	17 23	0 42	7 37	1 41	24 13	10 47	3 3	2 38	28 32	15 14	7 2
W25	13 8	28 39	5 12	7 7	0 50	24 9	1 48	4 43	1 20	4 32	1 32	21 29	1 13	17 23	0 42	7 38	1 41	24 13	10 47	3 1	2 37	28 32	15 13	7 3
T 26	13 28	27 33	5 9	6 47	1 5	24 20	1 50	4 25	1 20	4 33	1 31	21 30	1 12	17 23	0 42	7 39	1 41	24 13	10 46	3 0	2 36	28 32	15 12	7 3
F 27	13 47	24 39	4 47	6 29	1 20	24 31	1 53	4 7	1 20	4 34	1 31	21 31	1 12	17 23	0 42	7 39	1 41	24 13	10 46	3 0	2 34	28 32	15 12	7 4
S 28	14 6	20 20	4 9	6 13	1 34	24 41	1 55	3 48	1 20	4 36	1 31	21 31	1 12	17 23	0 42	7 40	1 41	24 13	10 46	3 0	2 33	28 31	15 11	7 4
S 29	14 25	15 1	3 17	6 0	1 47	24 50	1 57	3 30	1 20	4 37	1 31	21 32	1 12	17 22	0 42	7 41	1 41	24 13	10 46	3 0	2 32	28 31	15 11	7 5
M30	14n43	9n 3	2n14	5n50	1s59	24n59	2n 0	3s12	1s20	4n38	1n31	21n33	1s12	17n22	0n42	7n42	1s41	24n12	10n45	3n 1	2n30	28s31	15s10	7n 6

Julian Day Number = 2344984.5, Delta T = 11.92 sec
Ecliptic obliquity = 23°28'48, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'03, Lahiri = 19°47'04Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

MAY 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 50	10♉35'29	25♍31	19♈41	19♊44	25♓48	21°R46	16♊ 7	13♌51	23♈51	22°R24	7♈37	6♈15	5♑23	18°R29	T 1
W 2	14 39 46	11°33'32	8♎35	19°53	20°53	26°34	21♍43	16°14	13°51	23°53	22♌23	7°R37	6°12	5°30	18♑28	W 2
T 3	14 43 43	12°31'34	21°26	20° 9	22° 2	27°20	21°40	16°21	13°52	23°55	22°23	7°36	6° 9	5°37	18°28	T 3
F 4	14 47 39	13°29'35	4♏ 6	20°30	23°11	28° 6	21°38	16°28	13°53	23°58	22°D23	7°34	6° 6	5°43	18°27	F 4
S 5	14 51 36	14°27'33	16°35	20°55	24°20	28°52	21°35	16°35	13°53	24° 0	22°23	7°29	6° 2	5°50	18°26	S 5
S 6	14 55 32	15°25'30	28°53	21°24	25°29	29°38	21°33	16°42	13°54	24° 2	22°23	7°23	5°59	5°57	18°25	S 6
M 7	14 59 29	16°23'26	11♐ 3	21°58	26°38	0♈24	21°31	16°49	13°55	24° 4	22°24	7°16	5°56	6° 4	18°25	M 7
T 8	15 3 25	17°21'20	23° 4	22°35	27°46	1°10	21°29	16°56	13°56	24° 6	22°24	7° 9	5°53	6°10	18°24	T 8
W 9	15 7 22	18°19'13	5♑ 0	23°16	28°55	1°56	21°27	17° 3	13°57	24° 8	22°24	7° 2	5°50	6°17	18°22	W 9
T 10	15 11 19	19°17'05	16°52	24° 1	0♋ 3	2°41	21°25	17°11	13°58	24°10	22°24	6°57	5°47	6°24	18°21	T 10
F 11	15 15 15	20°14'55	28°45	24°49	1°11	3°27	21°24	17°18	13°59	24°12	22°24	6°52	5°43	6°31	18°20	F 11
S 12	15 19 12	21°12'44	10♒42	25°41	2°19	4°13	21°23	17°25	14° 0	24°14	22°24	6°50	5°40	6°37	18°19	S 12
S 13	15 23 8	22°10'32	22°48	26°37	3°27	4°58	21°22	17°32	14° 1	24°17	22°25	6°D49	5°37	6°44	18°18	S 13
M14	15 27 5	23° 8'18	5♓ 8	27°35	4°35	5°44	21°21	17°40	14° 2	24°19	22°25	6°50	5°34	6°51	18°16	M14
T 15	15 31 1	24° 6'03	17°46	28°36	5°42	6°30	21°20	17°47	14° 4	24°21	22°25	6°51	5°31	6°57	18°15	T 15
W16	15 34 58	25° 3'48	0♈47	29°41	6°50	7°15	21°20	17°55	14° 5	24°23	22°26	6°R52	5°27	7° 4	18°13	W16
T 17	15 38 54	26° 1'31	14°13	0♉48	7°57	8° 1	21°19	18° 2	14° 6	24°25	22°26	6°52	5°24	7°11	18°11	T 17
F 18	15 42 51	26°59'13	28° 7	1°59	9° 4	8°46	21°D19	18° 9	14° 8	24°27	22°26	6°50	5°21	7°18	18°10	F 18
S 19	15 46 48	27°56'54	12♉27	3°12	10°11	9°32	21°19	18°17	14° 9	24°29	22°27	6°46	5°18	7°24	18° 8	S 19
S 20	15 50 44	28°54'34	27° 9	4°28	11°18	10°17	21°19	18°24	14°11	24°31	22°27	6°40	5°15	7°31	18° 6	S 20
M21	15 54 41	29°52'12	12♊ 5	5°46	12°24	11° 2	21°20	18°32	14°12	24°32	22°28	6°33	5°12	7°38	18° 4	M21
T 22	15 58 37	0♊49'50	27° 8	7° 7	13°31	11°48	21°20	18°40	14°14	24°34	22°28	6°24	5° 8	7°45	18° 2	T 22
W23	16 2 34	1°47'26	12♋ 6	8°31	14°37	12°33	21°21	18°47	14°15	24°36	22°29	6°17	5° 5	7°51	18° 0	W23
T 24	16 6 30	2°45'01	26°53	9°57	15°43	13°18	21°22	18°55	14°17	24°38	22°29	6°11	5° 2	7°58	17°58	T 24
F 25	16 10 27	3°42'34	11♌20	11°26	16°49	14° 3	21°23	19° 2	14°19	24°40	22°30	6° 6	4°59	8° 5	17°56	F 25
S 26	16 14 23	4°40'06	25°27	12°57	17°55	14°48	21°25	19°10	14°21	24°42	22°30	6° 4	4°56	8°11	17°54	S 26
S 27	16 18 20	5°37'36	9♍10	14°31	19° 0	15°33	21°26	19°18	14°22	24°44	22°31	6°D 4	4°53	8°18	17°51	S 27
M28	16 22 17	6°35'05	22°32	16° 7	20° 6	16°18	21°28	19°25	14°24	24°46	22°32	6° 5	4°49	8°25	17°49	M28
T 29	16 26 13	7°32'32	5♎35	17°46	21°11	17° 3	21°29	19°33	14°26	24°47	22°32	6°R 5	4°46	8°32	17°46	T 29
W30	16 30 10	8°29'59	18°23	19°28	22°16	17°48	21°31	19°41	14°28	24°49	22°33	6° 4	4°43	8°38	17°44	W30
T 31	16 34 6	9♊27'24	0♏57	21♉11	23♋20	18♈33	21♍34	19♊49	14♌30	24♈51	22♌34	6♈ 2	4♈40	8♑45	17♑41	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 1	2n47	1n 6	5n42	2s10	25n 6	2n 2	2s54	1s20	4n39	1n30	21n34	1s12	17n22	0n42	7n43	1s41	24n12	10n45	3n 1	2n29	28s31	15s10	7n 6
W 2	15 20	3s29	0s 5	5 37	2 21	25 14	2 4	2 35	1 20	4 40	1 30	21 35	1 11	17 22	0 42	7 43	1 41	24 12	10 45	3 2	2 28	28 30	15 9	7 7
T 3	15 37	9 32	1 15	5 34	2 30	25 20	2 6	2 17	1 20	4 41	1 30	21 36	1 11	17 22	0 42	7 44	1 41	24 12	10 45	3 1	2 27	28 30	15 9	7 7
F 4	15 55	15 5	2 19	5 34	2 39	25 26	2 8	1 59	1 20	4 42	1 30	21 37	1 11	17 22	0 42	7 45	1 41	24 12	10 44	3 0	2 25	28 30	15 8	7 8
S 5	16 12	19 57	3 16	5 36	2 47	25 31	2 10	1 41	1 20	4 43	1 29	21 37	1 11	17 21	0 42	7 46	1 41	24 11	10 44	2 59	2 24	28 29	15 8	7 9
S 6	16 29	23 53	4 2	5 40	2 54	25 36	2 12	1 22	1 20	4 43	1 29	21 38	1 11	17 21	0 42	7 46	1 41	24 11	10 44	2 56	2 23	28 29	15 7	7 9
M 7	16 46	26 43	4 37	5 47	3 0	25 40	2 14	1 4	1 20	4 44	1 29	21 39	1 11	17 21	0 42	7 47	1 41	24 11	10 44	2 54	2 22	28 29	15 7	7 10
T 8	17 3	28 17	5 0	5 56	3 5	25 43	2 15	0 46	1 20	4 45	1 29	21 40	1 11	17 20	0 42	7 48	1 41	24 11	10 43	2 51	2 20	28 28	15 6	7 10
W 9	17 19	28 32	5 9	6 7	3 9	25 45	2 17	0 27	1 20	4 45	1 29	21 41	1 10	17 20	0 42	7 49	1 41	24 10	10 43	2 48	2 19	28 28	15 6	7 11
T 10	17 35	27 27	5 4	6 21	3 13	25 47	2 18	0 9	1 20	4 46	1 28	21 42	1 10	17 20	0 42	7 50	1 41	24 10	10 43	2 46	2 18	28 28	15 6	7 11
F 11	17 50	25 7	4 47	6 36	3 16	25 48	2 20	0n 9	1 20	4 46	1 28	21 42	1 10	17 19	0 42	7 50	1 41	24 10	10 43	2 44	2 17	28 27	15 5	7 12
S 12	18 6	21 42	4 17	6 53	3 17	25 49	2 21	0 27	1 20	4 46	1 28	21 43	1 10	17 19	0 42	7 51	1 41	24 9	10 43	2 43	2 15	28 27	15 5	7 13
S 13	18 21	17 19	3 35	7 12	3 19	25 49	2 22	0 45	1 20	4 46	1 28	21 44	1 10	17 19	0 42	7 52	1 41	24 9	10 42	2 43	2 14	28 27	15 4	7 13
M14	18 35	12 10	2 43	7 32	3 19	25 48	2 24	1 4	1 20	4 47	1 27	21 45	1 10	17 18	0 42	7 52	1 41	24 9	10 42	2 43	2 13	28 26	15 4	7 14
T 15	18 50	6 24	1 41	7 54	3 19	25 46	2 25	1 22	1 20	4 47	1 27	21 46	1 10	17 18	0 42	7 53	1 41	24 9	10 42	2 43	2 12	28 26	15 4	7 14
W16	19 4	0 11	0 33	8 18	3 18	25 44	2 26	1 40	1 20	4 47	1 27	21 46	1 10	17 18	0 42	7 54	1 41	24 8	10 42	2 44	2 10	28 26	15 3	7 15
T 17	19 18	6n14	0n40	8 43	3 16	25 41	2 27	1 58	1 20	4 47	1 27	21 47	1 9	17 17	0 41	7 55	1 41	24 8	10 41	2 44	2 9	28 25	15 3	7 15
F 18	19 31	12 34	1 52	9 9	3 14	25 37	2 27	2 16	1 20	4 46	1 27	21 48	1 9	17 17	0 41	7 55	1 41	24 7	10 41	2 43	2 8	28 25	15 3	7 16
S 19	19 44	18 26	2 59	9 37	3 11	25 33	2 28	2 34	1 19	4 46	1 26	21 49	1 9	17 16	0 41	7 56	1 41	24 7	10 41	2 42	2 7	28 24	15 2	7 16
S 20	19 57	23 23	3 56	10 6	3 7	25 28	2 29	2 52	1 19	4 46	1 26	21 50	1 9	17 16	0 41	7 57	1 41	24 7	10 41	2 39	2 5	28 24	15 2	7 17
M21	20 9	26 52	4 38	10 36	3 3	25 22	2 29	3 10	1 19	4 45	1 26	21 50	1 9	17 15	0 41	7 57	1 41	24 6	10 40	2 36	2 4	28 23	15 2	7 17
T 22	20 22	28 28	5 1	11 7	2 58	25 16	2 29	3 28	1 19	4 45	1 26	21 51	1 9	17 15	0 41	7 58	1 41	24 6	10 40	2 33	2 3	28 23	15 2	7 18
W23	20 33	27 58	5 4	11 39	2 52	25 9	2 30	3 45	1 19	4 44	1 25	21 52	1 9	17 14	0 41	7 59	1 41	24 6	10 40	2 30	2 1	28 23	15 1	7 18
T 24	20 45	25 29	4 46	12 11	2 46	25 2	2 30	4 3	1 19	4 44	1 25	21 53	1 9	17 14	0 41	7 59	1 41	24 5	10 40	2 27	2 0	28 22	15 1	7 19
F 25	20 56	21 24	4 10	12 45	2 40	24 54	2 30	4 21	1 19	4 43	1 25	21 53	1 9	17 13	0 41	8 0	1 41	24 5	10 39	2 26	1 59	28 22	15 1	7 19
S 26	21 6	16 11	3 19	13 19	2 33	24 45	2 30	4 38	1 18	4 42	1 25	21 54	1 8	17 13	0 41	8 1	1 41	24 4	10 39	2 25	1 58	28 21	15 1	7 20
S 27	21 17	10 17	2 19	13 54	2 25	24 36	2 30	4 56	1 18	4 42	1 24	21 55	1 8	17 12	0 41	8 1	1 41	24 4	10 39	2 25	1 56	28 21	15 1	7 20
M28	21 27	4 4	1 12	14 30	2 17	24 26	2 29	5 13	1 18	4 41	1 24	21 55	1 8	17 12	0 41	8 2	1 42	24 3	10 39	2 25	1 55	28 20	15 1	7 21
T 29	21 36	2s11	0 3	15 6	2 9	24 16	2 29	5 31	1 18	4 40	1 24	21 56	1 8	17 11	0 41	8 2	1 42	24 3	10 38	2 25	1 54	28 20	15 0	7 21
W30	21 46	8 13	1s 5	15 42	2 0	24 5	2 28	5 48	1 18	4 39	1 24	21 57	1 8	17 10	0 41	8 3	1 42	24 2	10 38	2 25	1 53	28 19	15 0	7 21
T 31	21n54	13s50	2s 8	16n18	1s51	23n53	2n28	6n 5	1s17	4n38	1n23	21n58	1s 8	17n10	0n41	8n 4	1s42	24n 2	10n38	2n24	1n51	28s19	15s 0	7n22

Julian Day Number = 2345014.5, Delta T = 11.90 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'07, Lahiri = 19°47'08Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

JUNE 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 38 3	10♊24'48	13♏20	22♉57	24♋25	19♈18	21♍36	19♊56	14♌32	24♈53	22♌35	5°R56	4♈37	8♉52	17°R39	F 1
S 2	16 41 59	11°22'11	25°35	24°46	25°29	20° 2	21°39	20° 4	14°34	24°54	22°36	5♈48	4°33	8°59	17♉36	S 2
S 3	16 45 56	12°19'33	7♐42	26°37	26°33	20°47	21°41	20°12	14°36	24°56	22°36	5°38	4°30	9° 5	17°33	S 3
M 4	16 49 52	13°16'55	19°43	28°30	27°36	21°32	21°44	20°20	14°39	24°58	22°37	5°26	4°27	9°12	17°31	M 4
T 5	16 53 49	14°14'15	1♉40	0♊26	28°40	22°16	21°47	20°27	14°41	24°59	22°38	5°14	4°24	9°19	17°28	T 5
W 6	16 57 46	15°11'35	13°33	2°24	29°43	23° 1	21°50	20°35	14°43	25° 1	22°39	5° 2	4°21	9°25	17°25	W 6
T 7	17 1 42	16° 8'55	25°25	4°24	0♌46	23°45	21°54	20°43	14°45	25° 2	22°40	4°51	4°18	9°32	17°22	T 7
F 8	17 5 39	17° 6'13	7♒18	6°26	1°48	24°30	21°57	20°51	14°48	25° 4	22°41	4°43	4°14	9°39	17°19	F 8
S 9	17 9 35	18° 3'31	19°15	8°30	2°51	25°14	22° 1	20°59	14°50	25° 5	22°42	4°37	4°11	9°46	17°16	S 9
S 10	17 13 32	19° 0'49	1♓20	10°36	3°53	25°58	22° 5	21° 7	14°53	25° 7	22°43	4°34	4° 8	9°52	17°13	S 10
M11	17 17 28	19°58'06	13°37	12°44	4°54	26°43	22° 9	21°14	14°55	25° 9	22°44	4°32	4° 5	9°59	17°10	M11
T 12	17 21 25	20°55'23	26°12	14°52	5°56	27°27	22°13	21°22	14°58	25°10	22°45	4°D32	4° 2	10° 6	17° 7	T 12
W13	17 25 22	21°52'40	9♈ 8	17° 2	6°57	28°11	22°17	21°30	15° 0	25°11	22°46	4°R32	3°59	10°12	17° 4	W13
T 14	17 29 18	22°49'56	22°31	19°13	7°58	28°55	22°22	21°38	15° 3	25°13	22°47	4°31	3°55	10°19	17° 0	T 14
F 15	17 33 15	23°47'12	6♉23	21°24	8°58	29°39	22°26	21°46	15° 5	25°14	22°48	4°28	3°52	10°26	16°57	F 15
S 16	17 37 11	24°44'28	20°44	23°36	9°58	0♉23	22°31	21°53	15° 8	25°16	22°50	4°23	3°49	10°33	16°54	S 16
S 17	17 41 8	25°41'44	5♊31	25°47	10°58	1° 7	22°36	22° 1	15°11	25°17	22°51	4°15	3°46	10°39	16°50	S 17
M18	17 45 4	26°38'59	20°37	27°59	11°58	1°50	22°41	22° 9	15°13	25°18	22°52	4° 5	3°43	10°46	16°47	M18
T 19	17 49 1	27°36'15	5♋54	0♋10	12°57	2°34	22°46	22°17	15°16	25°19	22°53	3°54	3°39	10°53	16°44	T 19
W20	17 52 57	28°33'29	21° 9	2°20	13°55	3°18	22°52	22°25	15°19	25°21	22°54	3°44	3°36	11° 0	16°40	W20
T 21	17 56 54	29°30'44	6♌11	4°29	14°54	4° 1	22°57	22°33	15°22	25°22	22°56	3°35	3°33	11° 6	16°37	T 21
F 22	18 0 51	0♋27'57	20°54	6°37	15°51	4°45	23° 3	22°40	15°25	25°23	22°57	3°29	3°30	11°13	16°33	F 22
S 23	18 4 47	1°25'11	5♍10	8°44	16°49	5°28	23° 9	22°48	15°28	25°24	22°58	3°25	3°27	11°20	16°30	S 23
S 24	18 8 44	2°22'23	18°59	10°49	17°46	6°11	23°15	22°56	15°30	25°25	23° 0	3°24	3°24	11°26	16°26	S 24
M25	18 12 40	3°19'35	2♎22	12°53	18°42	6°55	23°21	23° 4	15°33	25°27	23° 1	3°24	3°20	11°33	16°23	M25
T 26	18 16 37	4°16'47	15°22	14°54	19°38	7°38	23°27	23°11	15°36	25°28	23° 2	3°24	3°17	11°40	16°19	T 26
W27	18 20 33	5°13'58	28° 2	16°54	20°34	8°21	23°34	23°19	15°39	25°29	23° 4	3°22	3°14	11°47	16°15	W27
T 28	18 24 30	6°11'09	10♏27	18°52	21°29	9° 4	23°40	23°27	15°43	25°30	23° 5	3°19	3°11	11°53	16°12	T 28
F 29	18 28 26	7° 8'20	22°40	20°49	22°23	9°47	23°47	23°34	15°46	25°31	23° 7	3°13	3° 8	12° 0	16° 8	F 29
S 30	18 32 23	8♋ 5'30	4♐45	22♋43	23♌17	10♉30	23♍54	23♊42	15♌49	25♈32	23♌ 8	3♈ 4	3♈ 5	12♉ 7	16♉ 5	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	
F 1	22n 3	18s48	3s 4	16n55	1s41	23n41	2n27	6n23	1s17	4n37	1n23	21n58	1s 8	17n 9	0n41	8n 4	1s42	24n 2	10n38	2n22	1n50	28s18	15s 0	7n22	
S 2	22 11	22 56	3 51	17 31	1 31	23 28	2 26	6 40	1 17	4 35	1 23	21 59	1 8	17 9	0 41	8 5	1 42	24 1	10 38	2 19	1 49	28 18	15 0	7 23	
S 3	22 19	26 1	4 27	18 7	1 21	23 15	2 25	6 57	1 17	4 34	1 23	22 0	1 8	17 8	0 41	8 5	1 42	24 1	10 37	2 15	1 48	28 17	15 0	7 23	
M 4	22 26	27 54	4 50	18 43	1 10	23 1	2 24	7 14	1 16	4 33	1 23	22 0	1 8	17 7	0 41	8 6	1 42	24 0	10 37	2 10	1 46	28 16	15 0	7 24	
T 5	22 33	28 29	5 1	19 18	0 59	22 47	2 22	7 30	1 16	4 31	1 22	22 1	1 7	17 7	0 41	8 7	1 42	24 0	10 37	2 5	1 45	28 16	15 0	7 24	
W 6	22 39	27 44	4 58	19 53	0 49	22 32	2 21	7 47	1 16	4 30	1 22	22 1	1 7	17 6	0 41	8 7	1 42	23 59	10 37	2 0	1 44	28 15	15 0	7 24	
T 7	22 45	25 43	4 42	20 27	0 38	22 17	2 19	8 4	1 16	4 28	1 22	22 2	1 7	17 5	0 41	8 8	1 42	23 59	10 37	1 56	1 43	28 15	15 0	7 25	
F 8	22 51	22 35	4 15	20 59	0 26	22 1	2 17	8 21	1 15	4 27	1 22	22 3	1 7	17 4	0 41	8 8	1 42	23 58	10 36	1 53	1 41	28 14	15 0	7 25	
S 9	22 57	18 29	3 35	21 30	0 15	21 45	2 15	8 37	1 15	4 25	1 21	22 3	1 7	17 4	0 41	8 9	1 42	23 57	10 36	1 50	1 40	28 14	15 0	7 25	
S 10	23 1	13 37	2 46	22 0	0 4	21 29	2 13	8 53	1 15	4 23	1 21	22 4	1 7	17 3	0 41	8 9	1 42	23 57	10 36	1 49	1 39	28 13	15 0	7 26	
M11	23 6	8 7	1 48	22 28	0n 6	21 12	2 11	9 10	1 14	4 22	1 21	22 5	1 7	17 2	0 41	8 10	1 42	23 56	10 36	1 48	1 38	28 12	15 0	7 26	
T 12	23 10	2 11	0 44	22 54	0 17	20 54	2 9	9 26	1 14	4 20	1 21	22 5	1 7	17 1	0 41	8 10	1 42	23 56	10 35	1 48	1 36	28 12	15 0	7 26	
W13	23 14	4n 0	0n24	23 18	0 27	20 36	2 6	9 42	1 14	4 18	1 20	22 6	1 7	17 1	0 41	8 11	1 42	23 55	10 35	1 48	1 35	28 11	15 0	7 27	
T 14	23 17	10 14	1 34	23 40	0 37	20 18	2 4	9 58	1 13	4 16	1 20	22 6	1 7	17 0	0 41	8 11	1 42	23 55	10 35	1 48	1 34	28 11	15 0	7 27	
F 15	23 20	16 11	2 40	23 59	0 47	19 59	2 1	10 14	1 13	4 14	1 20	22 7	1 7	16 59	0 41	8 12	1 42	23 54	10 35	1 47	1 32	28 10	15 0	7 27	
S 16	23 22	21 28	3 38	24 16	0 56	19 40	1 58	10 30	1 12	4 12	1 20	22 7	1 7	16 58	0 41	8 12	1 42	23 54	10 35	1 45	1 31	28 9	15 0	7 28	
S 17	23 25	25 35	4 24	24 29	1 5	19 21	1 55	10 45	1 12	4 9	1 20	22 8	1 7	16 57	0 41	8 12	1 42	23 53	10 35	1 42	1 30	28 9	15 0	7 28	
M18	23 26	28 0	4 52	24 40	1 13	19 1	1 52	11 1	1 12	4 7	1 19	22 8	1 6	16 57	0 41	8 13	1 43	23 52	10 34	1 38	1 29	28 8	15 1	7 28	
T 19	23 27	28 21	5 0	24 49	1 20	18 41	1 48	11 16	1 11	4 5	1 19	22 9	1 6	16 56	0 41	8 13	1 43	23 52	10 34	1 33	1 27	28 7	15 1	7 28	
W20	23 28	26 32	4 47	24 54	1 27	18 21	1 45	11 31	1 11	4 3	1 19	22 9	1 6	16 55	0 41	8 14	1 43	23 51	10 34	1 29	1 26	28 7	15 1	7 29	
T 21	23 29	22 51	4 14	24 57	1 33	18 0	1 41	11 46	1 10	4 0	1 19	22 10	1 6	16 54	0 41	8 14	1 43	23 51	10 34	1 26	1 25	28 6	15 1	7 29	
F 22	23 29	17 47	3 24	24 57	1 38	17 39	1 37	12 2	1 10	3 58	1 18	22 10	1 6	16 53	0 41	8 14	1 43	23 50	10 34	1 23	1 24	28 5	15 1	7 29	
S 23	23 28	11 51	2 23	24 54	1 42	17 18	1 33	12 16	1 10	3 55	1 18	22 11	1 6	16 52	0 40	8 15	1 43	23 49	10 33	1 22	1 22	28 4	15 2	7 29	
S 24	23 28	5 31	1 15	24 48	1 46	16 56	1 29	12 31	1 9	3 53	1 18	22 11	1 6	16 51	0 40	8 15	1 43	23 49	10 33	1 21	1 21	28 4	15 2	7 29	
M25	23 26	0s52	0 5	24 40	1 49	16 35	1 24	12 46	1 9	3 50	1 18	22 12	1 6	16 51	0 40	8 16	1 43	23 48	10 33	1 21	1 20	28 3	15 2	7 30	
T 26	23 25	7 2	1s 3	24 29	1 51	16 13	1 20	13 0	1 8	3 47	1 18	22 12	1 6	16 50	0 40	8 16	1 43	23 48	10 33	1 21	1 19	28 2	15 2	7 30	
W27	23 23	12 45	2 6	24 17	1 53	15 51	1 15	13 15	1 8	3 45	1 17	22 13	1 6	16 49	0 40	8 16	1 43	23 47	10 33	1 21	1 17	28 1	15 2	7 30	
T 28	23 20	17 52	3 2	24 2	1 54	15 28	1 10	13 29	1 7	3 42	1 17	22 13	1 6	16 48	0 40	8 17	1 43	23 46	10 33	1 19	1 16	28 1	15 3	7 30	
F 29	23 17	22 9	3 49	23 44	1 54	15 6	1 5	13 43	1 7	3 39	1 17	22 14	1 6	16 47	0 40	8 17	1 43	23 46	10 33	1 17	1 15	28 0	15 3	7 30	
S 30	23n14	25s27	4s24	23n26	1n53	14n43	0n59	13n57	1s 6	3n36	1n17	22n14	1s 6	16n46	0n40	8n17	1s43	23n45	10n32	1n13	1n14	27s59	15s 3	7n30	

Julian Day Number = 2345045.5, Delta T = 11.88 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'12, Lahiri = 19°47'12Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

JULY 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 20	9♋ 2'41	16♐44	24♋35	24♌11	11♉13	24♍ 1	23♊50	15♌52	25♈33	23♌10	2°R53	3♈ 1	12♉14	16°R 1	S 1
M 2	18 40 16	9°59'51	28°39	26°25	25° 4	11°55	24° 8	23°57	15°55	25°34	23°11	2♈40	2°58	12°20	15♉57	M 2
T 3	18 44 13	10°57'01	10♉32	28°14	25°56	12°38	24°15	24° 5	15°58	25°34	23°13	2°26	2°55	12°27	15°54	T 3
W 4	18 48 9	11°54'12	22°25	29°59	26°47	13°20	24°22	24°13	16° 1	25°35	23°14	2°13	2°52	12°34	15°50	W 4
T 5	18 52 6	12°51'23	4♒18	1♌44	27°38	14° 3	24°30	24°20	16° 5	25°36	23°16	2° 1	2°49	12°40	15°46	T 5
F 6	18 56 2	13°48'33	16°14	3°26	28°28	14°45	24°37	24°28	16° 8	25°37	23°17	1°52	2°46	12°47	15°42	F 6
S 7	18 59 59	14°45'45	28°15	5° 6	29°18	15°28	24°45	24°35	16°11	25°38	23°19	1°45	2°42	12°54	15°39	S 7
S 8	19 3 55	15°42'56	10♓23	6°45	0♍ 7	16°10	24°53	24°43	16°15	25°38	23°20	1°41	2°39	13° 1	15°35	S 8
M 9	19 7 52	16°40'08	22°42	8°21	0°55	16°52	25° 1	24°50	16°18	25°39	23°22	1°39	2°36	13° 7	15°31	M 9
T 10	19 11 49	17°37'21	5♈17	9°55	1°42	17°34	25° 9	24°58	16°21	25°40	23°24	1°D39	2°33	13°14	15°28	T 10
W11	19 15 45	18°34'34	18°11	11°27	2°28	18°16	25°17	25° 5	16°25	25°40	23°25	1°R39	2°30	13°21	15°24	W11
T 12	19 19 42	19°31'48	1♉29	12°57	3°14	18°58	25°25	25°13	16°28	25°41	23°27	1°39	2°26	13°27	15°20	T 12
F 13	19 23 38	20°29'02	15°14	14°25	3°59	19°40	25°34	25°20	16°32	25°41	23°29	1°37	2°23	13°34	15°17	F 13
S 14	19 27 35	21°26'17	29°27	15°51	4°43	20°22	25°42	25°27	16°35	25°42	23°30	1°32	2°20	13°41	15°13	S 14
S 15	19 31 31	22°23'33	14♊ 6	17°15	5°26	21° 3	25°51	25°35	16°39	25°42	23°32	1°25	2°17	13°48	15° 9	S 15
M16	19 35 28	23°20'50	29° 7	18°37	6° 8	21°45	26° 0	25°42	16°42	25°43	23°34	1°17	2°14	13°54	15° 6	M16
T 17	19 39 25	24°18'08	14♋21	19°56	6°49	22°26	26° 8	25°49	16°46	25°43	23°36	1° 7	2°11	14° 1	15° 2	T 17
W18	19 43 21	25°15'26	29°38	21°14	7°29	23° 7	26°17	25°56	16°49	25°44	23°37	0°58	2° 7	14° 8	14°58	W18
T 19	19 47 18	26°12'45	14♌47	22°29	8° 7	23°49	26°26	26° 3	16°53	25°44	23°39	0°50	2° 4	14°15	14°55	T 19
F 20	19 51 14	27°10'04	29°37	23°41	8°45	24°30	26°36	26°11	16°56	25°44	23°41	0°44	2° 1	14°21	14°51	F 20
S 21	19 55 11	28° 7'23	14♍ 2	24°52	9°22	25°11	26°45	26°18	17° 0	25°45	23°43	0°41	1°58	14°28	14°48	S 21
S 22	19 59 7	29° 4'43	28° 0	25°59	9°57	25°52	26°54	26°25	17° 3	25°45	23°44	0°D40	1°55	14°35	14°44	S 22
M23	20 3 4	0♌ 2'03	11♎28	27° 5	10°31	26°33	27° 4	26°32	17° 7	25°45	23°46	0°40	1°51	14°41	14°41	M23
T 24	20 7 0	0°59'24	24°31	28° 7	11° 4	27°13	27°13	26°39	17°11	25°45	23°48	0°41	1°48	14°48	14°37	T 24
W25	20 10 57	1°56'45	7♏12	29° 7	11°35	27°54	27°23	26°45	17°14	25°46	23°50	0°R41	1°45	14°55	14°34	W25
T 26	20 14 54	2°54'07	19°35	0♍ 4	12° 5	28°35	27°33	26°52	17°18	25°46	23°52	0°39	1°42	15° 2	14°30	T 26
F 27	20 18 50	3°51'29	1♐45	0°58	12°34	29°15	27°42	26°59	17°21	25°46	23°54	0°36	1°39	15° 8	14°27	F 27
S 28	20 22 47	4°48'52	13°45	1°49	13° 1	29°55	27°52	27° 6	17°25	25°46	23°55	0°30	1°36	15°15	14°23	S 28
S 29	20 26 43	5°46'16	25°40	2°36	13°26	0♊35	28° 2	27°13	17°29	25°46	23°57	0°22	1°32	15°22	14°20	S 29
M30	20 30 40	6°43'41	7♑33	3°20	13°50	1°16	28°12	27°19	17°32	25°R46	23°59	0°13	1°29	15°28	14°17	M30
T 31	20 34 36	7♌41'06	19♑25	4♍ 1	14♍12	1♊55	28♍23	27♊26	17♌36	25♈46	24♌ 1	0♈ 3	1♈26	15♉35	14♉14	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	23n10	27s36	4s48	23n 5	1n52	14n20	0n54	14n11	1s 6	3n33	1n17	22n15	1s 6	16n45	0n40	8n17	1s43	23n44	10n32	1n 9	1n12	27s58	15s 4	7n30
M 2	23 6	28 27	4 59	22 42	1 50	13 57	0 48	14 24	1 5	3 30	1 16	22 15	1 6	16 44	0 40	8 18	1 43	23 44	10 32	1 4	1 11	27 58	15 4	7 31
T 3	23 2	27 59	4 57	22 19	1 48	13 34	0 42	14 38	1 5	3 27	1 16	22 15	1 6	16 43	0 40	8 18	1 43	23 43	10 32	0 58	1 10	27 57	15 4	7 31
W 4	22 57	26 14	4 42	21 53	1 45	13 11	0 36	14 51	1 4	3 24	1 16	22 16	1 6	16 42	0 40	8 18	1 43	23 42	10 32	0 53	1 8	27 56	15 5	7 31
T 5	22 51	23 20	4 14	21 27	1 41	12 47	0 30	15 4	1 4	3 21	1 16	22 16	1 6	16 41	0 40	8 18	1 43	23 42	10 32	0 48	1 7	27 55	15 5	7 31
F 6	22 46	19 25	3 35	20 59	1 37	12 24	0 24	15 17	1 3	3 18	1 16	22 16	1 5	16 40	0 40	8 19	1 44	23 41	10 32	0 45	1 6	27 54	15 5	7 31
S 7	22 40	14 43	2 47	20 31	1 32	12 0	0 17	15 30	1 2	3 15	1 15	22 17	1 5	16 39	0 40	8 19	1 44	23 41	10 31	0 42	1 5	27 54	15 6	7 31
S 8	22 33	9 23	1 50	20 1	1 27	11 37	0 10	15 43	1 2	3 11	1 15	22 17	1 5	16 38	0 40	8 19	1 44	23 40	10 31	0 40	1 3	27 53	15 6	7 31
M 9	22 26	3 37	0 47	19 31	1 21	11 13	0 3	15 55	1 1	3 8	1 15	22 17	1 5	16 37	0 40	8 19	1 44	23 39	10 31	0 40	1 2	27 52	15 6	7 31
T 10	22 19	2n24	0n19	18 59	1 15	10 50	0s 4	16 8	1 1	3 5	1 15	22 18	1 5	16 36	0 40	8 19	1 44	23 39	10 31	0 39	1 1	27 51	15 7	7 31
W11	22 11	8 29	1 27	18 28	1 8	10 26	0 11	16 20	1 0	3 1	1 15	22 18	1 5	16 35	0 40	8 20	1 44	23 38	10 31	0 40	1 0	27 50	15 7	7 31
T 12	22 3	14 22	2 31	17 55	1 1	10 3	0 19	16 32	0 59	2 58	1 15	22 18	1 5	16 34	0 40	8 20	1 44	23 37	10 31	0 39	0 58	27 49	15 8	7 31
F 13	21 55	19 46	3 29	17 23	0 53	9 39	0 27	16 44	0 59	2 54	1 14	22 19	1 5	16 33	0 40	8 20	1 44	23 37	10 31	0 38	0 57	27 48	15 8	7 31
S 14	21 46	24 14	4 17	16 49	0 45	9 16	0 35	16 56	0 58	2 51	1 14	22 19	1 5	16 32	0 40	8 20	1 44	23 36	10 31	0 37	0 56	27 48	15 9	7 31
S 15	21 37	27 19	4 49	16 16	0 36	8 52	0 43	17 8	0 58	2 47	1 14	22 19	1 5	16 31	0 40	8 20	1 44	23 35	10 31	0 34	0 55	27 47	15 9	7 31
M16	21 27	28 31	5 2	15 43	0 27	8 29	0 51	17 19	0 57	2 43	1 14	22 19	1 5	16 30	0 40	8 20	1 44	23 35	10 31	0 31	0 53	27 46	15 9	7 31
T 17	21 18	27 35	4 54	15 9	0 18	8 6	1 0	17 30	0 56	2 40	1 14	22 20	1 5	16 29	0 40	8 20	1 44	23 34	10 30	0 27	0 52	27 45	15 10	7 31
W18	21 7	24 35	4 26	14 35	0 9	7 43	1 9	17 41	0 56	2 36	1 13	22 20	1 5	16 28	0 40	8 20	1 44	23 33	10 30	0 23	0 51	27 44	15 10	7 31
T 19	20 57	19 55	3 39	14 2	0s 1	7 20	1 18	17 52	0 55	2 32	1 13	22 20	1 5	16 26	0 40	8 21	1 44	23 33	10 30	0 20	0 49	27 43	15 11	7 30
F 20	20 46	14 5	2 37	13 28	0 11	6 57	1 27	18 3	0 54	2 29	1 13	22 20	1 5	16 25	0 40	8 21	1 44	23 32	10 30	0 18	0 48	27 42	15 11	7 30
S 21	20 34	7 38	1 27	12 55	0 22	6 35	1 37	18 14	0 53	2 25	1 13	22 21	1 5	16 24	0 40	8 21	1 44	23 31	10 30	0 16	0 47	27 41	15 12	7 30
S 22	20 23	1 1	0 14	12 22	0 32	6 12	1 47	18 24	0 53	2 21	1 13	22 21	1 5	16 23	0 40	8 21	1 45	23 30	10 30	0 16	0 46	27 40	15 12	7 30
M23	20 11	5s26	0s57	11 50	0 43	5 50	1 56	18 34	0 52	2 17	1 13	22 21	1 5	16 22	0 40	8 21	1 45	23 30	10 30	0 16	0 44	27 39	15 13	7 30
T 24	19 58	11 26	2 4	11 18	0 55	5 29	2 7	18 44	0 51	2 13	1 13	22 21	1 5	16 21	0 40	8 21	1 45	23 29	10 30	0 16	0 43	27 38	15 13	7 30
W25	19 46	16 49	3 2	10 46	1 6	5 7	2 17	18 54	0 51	2 9	1 12	22 22	1 5	16 20	0 40	8 21	1 45	23 28	10 30	0 16	0 42	27 37	15 14	7 30
T 26	19 33	21 21	3 51	10 15	1 18	4 46	2 27	19 4	0 50	2 5	1 12	22 22	1 5	16 19	0 40	8 21	1 45	23 28	10 30	0 16	0 41	27 36	15 14	7 29
F 27	19 19	24 55	4 28	9 45	1 29	4 25	2 38	19 13	0 49	2 1	1 12	22 22	1 5	16 18	0 40	8 21	1 45	23 27	10 30	0 14	0 39	27 35	15 15	7 29
S 28	19 6	27 19	4 52	9 16	1 41	4 5	2 49	19 23	0 48	1 57	1 12	22 22	1 5	16 17	0 40	8 21	1 45	23 26	10 30	0 12	0 38	27 34	15 15	7 29
S 29	18 52	28 28	5 4	8 48	1 53	3 45	3 0	19 32	0 48	1 53	1 12	22 22	1 5	16 15	0 40	8 21	1 45	23 26	10 30	0 9	0 37	27 33	15 16	7 29
M30	18 37	28 18	5 3	8 21	2 5	3 25	3 11	19 41	0 47	1 49	1 12	22 22	1 5	16 14	0 40	8 21	1 45	23 25	10 30	0 5	0 36	27 32	15 17	7 29
T 31	18n23	26s49	4s48	7n55	2s18	3n 6	3s23	19n50	0s46	1n44	1n11	22n22	1s 5	16n13	0n40	8n20	1s45	23n24	10n30	0n 1	0n34	27s31	15s17	7n28

Julian Day Number = 2345075.5, Delta T = 11.86 sec
Ecliptic obliquity = 23°28'46, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'16, Lahiri = 19°47'16Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

AUGUST 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 38 33	8♌38'32	1♒20	4♍37	14♍32	2♊35	28♍33	27♊33	17♌40	25°R46	24♌ 3	29°R53	1♈23	15♉42	14°R10	W 1
T 2	20 42 29	9°35'59	13°17	5°10	14°50	3°15	28°43	27°39	17°44	25♈46	24° 5	29♓45	1°20	15°49	14♉ 7	T 2
F 3	20 46 26	10°33'27	25°20	5°39	15° 7	3°55	28°54	27°46	17°47	25°46	24° 7	29°38	1°17	15°55	14° 4	F 3
S 4	20 50 23	11°30'57	7♓30	6° 3	15°21	4°34	29° 4	27°52	17°51	25°45	24° 9	29°33	1°13	16° 2	14° 1	S 4
S 5	20 54 19	12°28'27	19°48	6°22	15°34	5°14	29°15	27°58	17°55	25°45	24°11	29°31	1°10	16° 9	13°58	S 5
M 6	20 58 16	13°25'59	2♈16	6°37	15°44	5°53	29°25	28° 5	17°58	25°45	24°12	29°D30	1° 7	16°15	13°55	M 6
T 7	21 2 12	14°23'32	14°58	6°47	15°53	6°32	29°36	28°11	18° 2	25°45	24°14	29°31	1° 4	16°22	13°52	T 7
W 8	21 6 9	15°21'06	27°57	6°R52	15°59	7°11	29°47	28°17	18° 6	25°44	24°16	29°33	1° 1	16°29	13°49	W 8
T 9	21 10 5	16°18'42	11♉15	6°51	16° 3	7°50	29°58	28°23	18°10	25°44	24°18	29°R34	0°57	16°36	13°46	T 9
F 10	21 14 2	17°16'20	24°55	6°45	16°R 4	8°29	0♎ 9	28°29	18°13	25°44	24°20	29°33	0°54	16°42	13°43	F 10
S 11	21 17 58	18°13'59	8♊58	6°33	16° 4	9° 8	0°20	28°35	18°17	25°43	24°22	29°32	0°51	16°49	13°41	S 11
S 12	21 21 55	19°11'40	23°23	6°16	16° 1	9°46	0°31	28°41	18°21	25°43	24°24	29°28	0°48	16°56	13°38	S 12
M13	21 25 52	20° 9'22	8♋ 8	5°53	15°56	10°25	0°42	28°47	18°25	25°42	24°26	29°24	0°45	17° 3	13°35	M13
T 14	21 29 48	21° 7'06	23° 6	5°25	15°48	11° 3	0°53	28°53	18°28	25°42	24°28	29°18	0°42	17° 9	13°33	T 14
W15	21 33 45	22° 4'52	8♌ 8	4°51	15°38	11°41	1° 5	28°59	18°32	25°41	24°30	29°13	0°38	17°16	13°30	W15
T 16	21 37 41	23° 2'39	23° 7	4°13	15°26	12°19	1°16	29° 4	18°36	25°41	24°32	29° 8	0°35	17°23	13°28	T 16
F 17	21 41 38	24° 0'27	7♍52	3°30	15°11	12°57	1°28	29°10	18°40	25°40	24°34	29° 5	0°32	17°29	13°25	F 17
S 18	21 45 34	24°58'16	22°18	2°43	14°54	13°35	1°39	29°16	18°43	25°40	24°36	29°D 3	0°29	17°36	13°23	S 18
S 19	21 49 31	25°56'07	6♎18	1°53	14°35	14°13	1°51	29°21	18°47	25°39	24°38	29° 3	0°26	17°43	13°21	S 19
M20	21 53 27	26°53'59	19°52	1° 0	14°14	14°50	2° 2	29°26	18°51	25°38	24°40	29° 4	0°23	17°50	13°19	M20
T 21	21 57 24	27°51'52	3♏ 0	0° 6	13°50	15°28	2°14	29°32	18°54	25°38	24°42	29° 6	0°19	17°56	13°16	T 21
W22	22 1 21	28°49'47	15°45	29♌12	13°24	16° 5	2°26	29°37	18°58	25°37	24°44	29° 7	0°16	18° 3	13°14	W22
T 23	22 5 17	29°47'43	28°10	28°18	12°56	16°42	2°37	29°42	19° 2	25°36	24°46	29°R 8	0°13	18°10	13°12	T 23
F 24	22 9 14	0♍45'40	10♐21	27°26	12°27	17°19	2°49	29°47	19° 5	25°35	24°48	29° 8	0°10	18°16	13°10	F 24
S 25	22 13 10	1°43'39	22°21	26°37	11°56	17°55	3° 1	29°52	19° 9	25°35	24°50	29° 6	0° 7	18°23	13° 8	S 25
S 26	22 17 7	2°41'39	4♑15	25°52	11°23	18°32	3°13	29°57	19°13	25°34	24°51	29° 3	0° 3	18°30	13° 7	S 26
M27	22 21 3	3°39'40	16° 7	25°12	10°49	19° 9	3°25	0♋ 2	19°16	25°33	24°53	28°59	0° 0	18°37	13° 5	M27
T 28	22 25 0	4°37'43	28° 1	24°39	10°14	19°45	3°37	0° 7	19°20	25°32	24°55	28°55	29♓57	18°43	13° 3	T 28
W29	22 28 56	5°35'47	9♒59	24°12	9°38	20°21	3°49	0°12	19°24	25°31	24°57	28°51	29°54	18°50	13° 2	W29
T 30	22 32 53	6°33'53	22° 4	23°53	9° 2	20°57	4° 1	0°16	19°27	25°30	24°59	28°48	29°51	18°57	13° 0	T 30
F 31	22 36 50	7♍32'00	4♓17	23♌42	8♍24	21♊33	4♎14	0♋21	19♌31	25♈29	25♌ 1	28♓45	29♓48	19♉ 3	12♉59	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	18n 8	24s 8	4s21	7n30	2s30	2n48	3s35	19n59	0s45	1n40	1n11	22n23	1s 5	16n12	0n40	8n20	1s45	23n24	10n30	0s 3	0n33	27s30	15s18	7n28
T 2	17 53	20 24	3 42	7 7	2 42	2 30	3 46	20 7	0 44	1 36	1 11	22 23	1 5	16 11	0 40	8 20	1 45	23 23	10 30	0 6	0 32	27 29	15 18	7 28
F 3	17 37	15 49	2 53	6 46	2 54	2 13	3 58	20 15	0 44	1 32	1 11	22 23	1 5	16 10	0 40	8 20	1 45	23 22	10 30	0 9	0 30	27 28	15 19	7 28
S 4	17 21	10 34	1 56	6 26	3 5	1 56	4 10	20 23	0 43	1 27	1 11	22 23	1 5	16 9	0 40	8 20	1 45	23 22	10 30	0 11	0 29	27 27	15 19	7 27
S 5	17 5	4 51	0 52	6 8	3 17	1 40	4 23	20 31	0 42	1 23	1 11	22 23	1 5	16 7	0 40	8 20	1 45	23 21	10 30	0 12	0 28	27 26	15 20	7 27
M 6	16 49	1n 8	0n15	5 52	3 28	1 24	4 35	20 39	0 41	1 19	1 11	22 23	1 5	16 6	0 40	8 20	1 45	23 20	10 30	0 12	0 27	27 25	15 20	7 27
T 7	16 32	7 11	1 23	5 39	3 39	1 10	4 47	20 47	0 40	1 14	1 11	22 23	1 5	16 5	0 40	8 20	1 45	23 20	10 30	0 11	0 25	27 24	15 21	7 27
W 8	16 16	13 4	2 28	5 27	3 49	0 56	5 0	20 54	0 39	1 10	1 10	22 23	1 5	16 4	0 40	8 20	1 46	23 19	10 30	0 11	0 24	27 23	15 22	7 26
T 9	15 58	18 30	3 26	5 18	3 59	0 43	5 12	21 1	0 38	1 5	1 10	22 23	1 5	16 3	0 40	8 19	1 46	23 19	10 30	0 11	0 23	27 22	15 22	7 26
F 10	15 41	23 9	4 15	5 12	4 8	0 31	5 25	21 8	0 38	1 1	1 10	22 23	1 5	16 2	0 40	8 19	1 46	23 18	10 30	0 11	0 22	27 21	15 23	7 26
S 11	15 23	26 37	4 50	5 9	4 17	0 19	5 37	21 15	0 37	0 56	1 10	22 24	1 5	16 1	0 40	8 19	1 46	23 17	10 30	0 11	0 20	27 20	15 23	7 25
S 12	15 6	28 27	5 8	5 8	4 24	0 9	5 50	21 22	0 36	0 52	1 10	22 24	1 5	15 59	0 40	8 19	1 46	23 17	10 30	0 13	0 19	27 19	15 24	7 25
M13	14 47	28 19	5 6	5 11	4 30	0s 0	6 2	21 28	0 35	0 47	1 10	22 24	1 5	15 58	0 40	8 19	1 46	23 16	10 30	0 15	0 18	27 17	15 25	7 25
T 14	14 29	26 10	4 44	5 17	4 35	0 9	6 14	21 35	0 34	0 43	1 10	22 24	1 5	15 57	0 40	8 18	1 46	23 15	10 30	0 17	0 17	27 16	15 25	7 24
W15	14 10	22 9	4 2	5 25	4 39	0 16	6 27	21 41	0 33	0 38	1 10	22 24	1 5	15 56	0 40	8 18	1 46	23 15	10 30	0 19	0 15	27 15	15 26	7 24
T 16	13 52	16 43	3 3	5 37	4 41	0 22	6 38	21 47	0 32	0 33	1 9	22 24	1 5	15 55	0 40	8 18	1 46	23 14	10 30	0 21	0 14	27 14	15 26	7 24
F 17	13 32	10 22	1 53	5 52	4 41	0 28	6 50	21 53	0 31	0 29	1 9	22 24	1 5	15 54	0 40	8 18	1 46	23 13	10 30	0 22	0 13	27 13	15 27	7 23
S 18	13 13	3 38	0 37	6 10	4 40	0 32	7 1	21 58	0 30	0 24	1 9	22 24	1 5	15 52	0 40	8 17	1 46	23 13	10 30	0 23	0 12	27 12	15 28	7 23
S 19	12 54	3s 7	0s39	6 31	4 37	0 34	7 12	22 4	0 29	0 19	1 9	22 24	1 5	15 51	0 40	8 17	1 46	23 12	10 30	0 23	0 10	27 11	15 28	7 22
M20	12 34	9 30	1 51	6 54	4 32	0 36	7 23	22 9	0 28	0 15	1 9	22 24	1 5	15 50	0 40	8 17	1 46	23 12	10 30	0 22	0 9	27 9	15 29	7 22
T 21	12 14	15 16	2 55	7 19	4 25	0 36	7 33	22 14	0 27	0 10	1 9	22 24	1 5	15 49	0 40	8 16	1 46	23 11	10 31	0 22	0 8	27 8	15 30	7 22
W22	11 54	20 13	3 48	7 46	4 16	0 35	7 43	22 19	0 26	0 5	1 9	22 24	1 5	15 48	0 40	8 16	1 46	23 10	10 31	0 21	0 6	27 7	15 30	7 21
T 23	11 34	24 9	4 29	8 15	4 5	0 33	7 52	22 24	0 25	0 0	1 9	22 24	1 5	15 47	0 40	8 16	1 46	23 10	10 31	0 21	0 5	27 6	15 31	7 21
F 24	11 13	26 56	4 57	8 44	3 53	0 30	8 0	22 28	0 24	0s 4	1 9	22 24	1 5	15 46	0 40	8 15	1 46	23 9	10 31	0 21	0 4	27 5	15 31	7 20
S 25	10 53	28 26	5 11	9 14	3 39	0 25	8 8	22 33	0 23	0 9	1 9	22 24	1 5	15 44	0 40	8 15	1 47	23 9	10 31	0 22	0 3	27 3	15 32	7 20
S 26	10 32	28 36	5 12	9 44	3 23	0 20	8 15	22 37	0 22	0 14	1 9	22 24	1 5	15 43	0 40	8 15	1 47	23 8	10 31	0 23	0 1	27 2	15 33	7 19
M27	10 11	27 27	4 59	10 12	3 7	0 13	8 21	22 41	0 21	0 19	1 8	22 24	1 5	15 42	0 40	8 14	1 47	23 8	10 31	0 24	0 0	27 1	15 33	7 19
T 28	9 50	25 4	4 34	10 40	2 49	0 5	8 26	22 45	0 20	0 24	1 8	22 24	1 5	15 41	0 40	8 14	1 47	23 7	10 31	0 26	0s 1	27 0	15 34	7 18
W29	9 28	21 34	3 57	11 6	2 31	0n 4	8 31	22 49	0 19	0 29	1 8	22 24	1 5	15 40	0 40	8 14	1 47	23 6	10 31	0 27	0 2	26 58	15 34	7 18
T 30	9 7	17 9	3 8	11 30	2 12	0 15	8 35	22 53	0 18	0 34	1 8	22 24	1 5	15 39	0 40	8 13	1 47	23 6	10 32	0 29	0 4	26 57	15 35	7 18
F 31	8n45	11s59	2s11	11n52	1s53	0n26	8s37	22n56	0s17	0s38	1n 8	22n24	1s 5	15n38	0n40	8n13	1s47	23n 5	10n32	0s30	0s 5	26s56	15s36	7n17

Julian Day Number = 2345106.5, Delta T = 11.84 sec
Ecliptic obliquity = 23°28'47, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'20, Lahiri = 19°47'20Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

SEPTEMBER 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 46	8♍30'10	16♓40	23°D39	7°R47	22♊ 8	4♎26	0♋25	19♌35	25°R28	25♌ 3	28°R44	29♓44	19♉10	12°R57	S 1
S 2	22 44 43	9°28'20	29°14	23♌45	7♍10	22°44	4°38	0°30	19°38	25♈27	25° 5	28°D43	29°41	19°17	12♉56	S 2
M 3	22 48 39	10°26'33	11♈59	24° 0	6°33	23°19	4°50	0°34	19°42	25°26	25° 7	28♓44	29°38	19°24	12°55	M 3
T 4	22 52 36	11°24'48	24°58	24°23	5°57	23°54	5° 3	0°38	19°45	25°25	25° 9	28°45	29°35	19°30	12°53	T 4
W 5	22 56 32	12°23'05	8♉11	24°56	5°21	24°29	5°15	0°42	19°49	25°24	25°11	28°46	29°32	19°37	12°52	W 5
T 6	23 0 29	13°21'23	21°39	25°37	4°47	25° 4	5°28	0°46	19°52	25°23	25°13	28°47	29°29	19°44	12°51	T 6
F 7	23 4 25	14°19'44	5♊22	26°26	4°14	25°39	5°40	0°50	19°56	25°22	25°14	28°48	29°25	19°50	12°50	F 7
S 8	23 8 22	15°18'08	19°20	27°22	3°42	26°13	5°53	0°54	19°59	25°20	25°16	28°R48	29°22	19°57	12°49	S 8
S 9	23 12 19	16°16'33	3♋33	28°26	3°12	26°47	6° 5	0°58	20° 3	25°19	25°18	28°48	29°19	20° 4	12°49	S 9
M10	23 16 15	17°15'01	17°59	29°37	2°43	27°21	6°18	1° 2	20° 6	25°18	25°20	28°47	29°16	20°11	12°48	M10
T 11	23 20 12	18°13'30	2♌33	0♍54	2°17	27°55	6°30	1° 5	20°10	25°17	25°22	28°46	29°13	20°17	12°47	T 11
W12	23 24 8	19°12'02	17°11	2°17	1°52	28°29	6°43	1° 9	20°13	25°16	25°24	28°44	29° 9	20°24	12°47	W12
T 13	23 28 5	20°10'36	1♍47	3°44	1°30	29° 2	6°56	1°12	20°16	25°14	25°25	28°43	29° 6	20°31	12°46	T 13
F 14	23 32 1	21° 9'12	16°13	5°16	1°10	29°35	7° 8	1°15	20°20	25°13	25°27	28°43	29° 3	20°37	12°46	F 14
S 15	23 35 58	22° 7'50	0♎26	6°52	0°52	0♋ 8	7°21	1°18	20°23	25°12	25°29	28°D43	29° 0	20°44	12°45	S 15
S 16	23 39 54	23° 6'29	14°19	8°31	0°36	0°41	7°34	1°22	20°26	25°10	25°31	28°43	28°57	20°51	12°45	S 16
M17	23 43 51	24° 5'11	27°50	10°13	0°23	1°14	7°47	1°25	20°30	25° 9	25°33	28°43	28°54	20°58	12°45	M17
T 18	23 47 47	25° 3'54	10♏59	11°57	0°12	1°46	7°59	1°27	20°33	25° 7	25°34	28°44	28°50	21° 4	12°45	T 18
W19	23 51 44	26° 2'39	23°47	13°42	0° 4	2°18	8°12	1°30	20°36	25° 6	25°36	28°44	28°47	21°11	12°D45	W19
T 20	23 55 41	27° 1'26	6♐15	15°29	29♌58	2°50	8°25	1°33	20°39	25° 5	25°38	28°44	28°44	21°18	12°45	T 20
F 21	23 59 37	28° 0'15	18°28	17°17	29°54	3°22	8°38	1°36	20°42	25° 3	25°40	28°44	28°41	21°24	12°45	F 21
S 22	0 3 34	28°59'06	0♑29	19° 6	29°D53	3°53	8°51	1°38	20°46	25° 2	25°41	28°44	28°38	21°31	12°45	S 22
S 23	0 7 30	29°57'58	12°24	20°55	29°55	4°25	9° 4	1°40	20°49	25° 0	25°43	28°44	28°35	21°38	12°46	S 23
M24	0 11 27	0♎56'52	24°17	22°45	29°58	4°56	9°17	1°43	20°52	24°59	25°45	28°44	28°31	21°45	12°46	M24
T 25	0 15 23	1°55'48	6♒11	24°34	0♍ 4	5°26	9°30	1°45	20°55	24°57	25°46	28°45	28°28	21°51	12°46	T 25
W26	0 19 20	2°54'45	18°12	26°23	0°12	5°57	9°43	1°47	20°58	24°56	25°48	28°45	28°25	21°58	12°47	W26
T 27	0 23 17	3°53'45	0♓23	28°12	0°22	6°27	9°55	1°49	21° 1	24°54	25°50	28°46	28°22	22° 5	12°48	T 27
F 28	0 27 13	4°52'46	12°46	0♎ 0	0°35	6°57	10° 8	1°51	21° 4	24°53	25°51	28°46	28°19	22°11	12°48	F 28
S 29	0 31 10	5°51'49	25°23	1°48	0°49	7°26	10°21	1°53	21° 7	24°51	25°53	28°R46	28°15	22°18	12°49	S 29
S 30	0 35 6	6♎50'54	8♈16	3♎36	1♍ 6	7♋56	10♎34	1♋54	21♌10	24♈50	25♌54	28♓46	28♓12	22♉25	12♉50	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	8n24	6s17	1s 6	12n11	1s34	0n38	8s39	22n59	0s15	0s43	1n 8	22n24	1s 5	15n37	0n40	8n12	1s47	23n 5	10n32	0s30	0s 6	26s55	15s36	7n17
S 2	8 2	0 16	0n 3	12 26	1 16	0 50	8 40	23 2	0 14	0 48	1 8	22 24	1 5	15 35	0 40	8 12	1 47	23 4	10 32	0 31	0 7	26 53	15 37	7 16
M 3	7 40	5n52	1 13	12 39	0 57	1 4	8 40	23 5	0 13	0 53	1 8	22 24	1 5	15 34	0 40	8 12	1 47	23 4	10 32	0 30	0 9	26 52	15 37	7 16
T 4	7 18	11 51	2 20	12 48	0 39	1 18	8 39	23 8	0 12	0 58	1 8	22 24	1 5	15 33	0 40	8 11	1 47	23 3	10 32	0 30	0 10	26 51	15 38	7 15
W 5	6 56	17 26	3 21	12 53	0 22	1 32	8 37	23 11	0 11	1 3	1 8	22 24	1 5	15 32	0 40	8 11	1 47	23 3	10 32	0 29	0 11	26 49	15 39	7 15
T 6	6 33	22 16	4 12	12 55	0 6	1 47	8 34	23 14	0 10	1 8	1 8	22 23	1 5	15 31	0 40	8 10	1 47	23 2	10 33	0 29	0 13	26 48	15 39	7 14
F 7	6 11	25 59	4 50	12 53	0n10	2 3	8 30	23 16	0 9	1 13	1 8	22 23	1 5	15 30	0 40	8 10	1 47	23 2	10 33	0 29	0 14	26 47	15 40	7 14
S 8	5 48	28 14	5 12	12 47	0 24	2 18	8 26	23 18	0 7	1 18	1 8	22 23	1 5	15 29	0 40	8 9	1 47	23 1	10 33	0 29	0 15	26 46	15 40	7 13
S 9	5 25	28 41	5 15	12 37	0 37	2 34	8 20	23 20	0 6	1 23	1 8	22 23	1 5	15 28	0 40	8 9	1 47	23 1	10 33	0 29	0 16	26 44	15 41	7 13
M10	5 3	27 12	4 59	12 24	0 50	2 50	8 14	23 22	0 5	1 28	1 7	22 23	1 5	15 27	0 40	8 8	1 47	23 0	10 33	0 29	0 18	26 43	15 42	7 12
T 11	4 40	23 53	4 23	12 7	1 1	3 5	8 8	23 24	0 4	1 33	1 7	22 23	1 5	15 26	0 40	8 8	1 47	23 0	10 33	0 30	0 19	26 42	15 42	7 12
W12	4 17	19 3	3 30	11 47	1 11	3 21	8 0	23 26	0 2	1 38	1 7	22 23	1 5	15 25	0 40	8 7	1 47	22 59	10 34	0 30	0 20	26 40	15 43	7 11
T 13	3 54	13 6	2 24	11 23	1 20	3 36	7 52	23 27	0 1	1 43	1 7	22 23	1 5	15 24	0 41	8 7	1 47	22 59	10 34	0 31	0 21	26 39	15 43	7 11
F 14	3 31	6 30	1 9	10 57	1 27	3 51	7 44	23 29	0n 0	1 49	1 7	22 23	1 5	15 23	0 41	8 6	1 47	22 58	10 34	0 31	0 23	26 37	15 44	7 10
S 15	3 8	0s19	0s10	10 27	1 34	4 6	7 35	23 30	0 1	1 54	1 7	22 23	1 5	15 21	0 41	8 6	1 47	22 58	10 34	0 31	0 24	26 36	15 44	7 10
S 16	2 44	6 58	1 25	9 55	1 39	4 20	7 25	23 31	0 3	1 59	1 7	22 23	1 5	15 20	0 41	8 5	1 47	22 58	10 34	0 31	0 25	26 35	15 45	7 9
M17	2 21	13 7	2 35	9 21	1 43	4 34	7 15	23 32	0 4	2 4	1 7	22 23	1 5	15 19	0 41	8 5	1 48	22 57	10 35	0 31	0 26	26 33	15 45	7 8
T 18	1 58	18 32	3 33	8 44	1 47	4 47	7 5	23 33	0 5	2 9	1 7	22 23	1 6	15 18	0 41	8 4	1 48	22 57	10 35	0 30	0 28	26 32	15 46	7 8
W19	1 34	22 57	4 20	8 6	1 49	5 0	6 54	23 34	0 7	2 14	1 7	22 23	1 6	15 17	0 41	8 4	1 48	22 56	10 35	0 30	0 29	26 30	15 47	7 7
T 20	1 11	26 12	4 53	7 26	1 51	5 12	6 44	23 35	0 8	2 19	1 7	22 23	1 6	15 16	0 41	8 3	1 48	22 56	10 35	0 30	0 30	26 29	15 47	7 7
F 21	0 48	28 9	5 12	6 44	1 52	5 23	6 33	23 36	0 9	2 24	1 7	22 23	1 6	15 15	0 41	8 3	1 48	22 56	10 36	0 30	0 32	26 28	15 48	7 6
S 22	0 24	28 46	5 17	6 2	1 52	5 34	6 21	23 36	0 11	2 29	1 7	22 23	1 6	15 14	0 41	8 2	1 48	22 55	10 36	0 30	0 33	26 26	15 48	7 6
S 23	0 1	28 1	5 8	5 18	1 51	5 45	6 10	23 37	0 12	2 34	1 7	22 22	1 6	15 13	0 41	8 1	1 48	22 55	10 36	0 30	0 34	26 25	15 49	7 5
M24	0s23	25 59	4 46	4 34	1 49	5 54	5 59	23 37	0 14	2 39	1 7	22 22	1 6	15 13	0 41	8 1	1 48	22 54	10 36	0 30	0 35	26 23	15 49	7 5
T 25	0 46	22 49	4 12	3 48	1 47	6 3	5 47	23 37	0 15	2 45	1 7	22 22	1 6	15 12	0 41	8 0	1 48	22 54	10 37	0 30	0 37	26 22	15 50	7 4
W26	1 10	18 40	3 26	3 3	1 45	6 11	5 35	23 37	0 16	2 50	1 7	22 22	1 6	15 11	0 41	8 0	1 48	22 54	10 37	0 30	0 38	26 20	15 50	7 4
T 27	1 33	13 43	2 31	2 16	1 42	6 18	5 24	23 37	0 18	2 55	1 7	22 22	1 6	15 10	0 41	7 59	1 48	22 53	10 37	0 30	0 39	26 19	15 51	7 3
F 28	1 57	8 8	1 28	1 30	1 38	6 25	5 12	23 37	0 19	3 0	1 7	22 22	1 6	15 9	0 41	7 59	1 48	22 53	10 37	0 29	0 40	26 18	15 51	7 3
S 29	2 20	2 7	0 19	0 43	1 34	6 31	5 1	23 37	0 21	3 5	1 7	22 22	1 6	15 8	0 41	7 58	1 48	22 53	10 38	0 29	0 42	26 16	15 52	7 2
S 30	2s43	4n 5	0n52	0s 3	1n30	6n36	4s49	23n37	0n22	3s10	1n 7	22n22	1s 6	15n 7	0n41	7n57	1s48	22n52	10n38	0s29	0s43	26s15	15s52	7n 1

Julian Day Number = 2345137.5, Delta T = 11.82 sec
Ecliptic obliquity = 23°28'47, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'24, Lahiri = 19°47'25Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

OCTOBER 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 39 3	7♎50'02	21♈25	5♎22	1♍24	8♋25	10♎47	1♋56	21♌12	24°R48	25♌56	28°R46	28♓ 9	22♉31	12♉51	M 1
T 2	0 42 59	8°49'11	4♉48	7° 8	1°45	8°54	11° 0	1°57	21°15	24♈46	25°57	28♓45	28° 6	22°38	12°52	T 2
W 3	0 46 56	9°48'23	18°25	8°54	2° 7	9°22	11°13	1°58	21°18	24°45	25°59	28°43	28° 3	22°45	12°53	W 3
T 4	0 50 52	10°47'36	2♊13	10°38	2°31	9°51	11°26	2° 0	21°21	24°43	26° 0	28°42	28° 0	22°52	12°54	T 4
F 5	0 54 49	11°46'53	16°11	12°22	2°57	10°19	11°39	2° 1	21°24	24°42	26° 2	28°41	27°56	22°58	12°55	F 5
S 6	0 58 45	12°46'11	0♋16	14° 5	3°24	10°46	11°52	2° 2	21°26	24°40	26° 3	28°40	27°53	23° 5	12°57	S 6
S 7	1 2 42	13°45'32	14°26	15°48	3°53	11°14	12° 5	2° 3	21°29	24°38	26° 5	28°D39	27°50	23°12	12°58	S 7
M 8	1 6 39	14°44'56	28°39	17°29	4°24	11°41	12°18	2° 3	21°31	24°37	26° 6	28°40	27°47	23°18	13° 0	M 8
T 9	1 10 35	15°44'22	12♌52	19°10	4°56	12° 8	12°31	2° 4	21°34	24°35	26° 8	28°41	27°44	23°25	13° 1	T 9
W10	1 14 32	16°43'49	27° 4	20°50	5°30	12°34	12°44	2° 5	21°37	24°33	26° 9	28°42	27°40	23°32	13° 3	W10
T 11	1 18 28	17°43'20	11♍11	22°30	6° 5	13° 0	12°57	2° 5	21°39	24°32	26°10	28°43	27°37	23°39	13° 4	T 11
F 12	1 22 25	18°42'52	25°10	24° 9	6°41	13°26	13°10	2° 5	21°41	24°30	26°12	28°R44	27°34	23°45	13° 6	F 12
S 13	1 26 21	19°42'27	8♎59	25°47	7°19	13°51	13°23	2° 6	21°44	24°28	26°13	28°44	27°31	23°52	13° 8	S 13
S 14	1 30 18	20°42'03	22°34	27°24	7°58	14°16	13°36	2°R 6	21°46	24°27	26°14	28°42	27°28	23°59	13°10	S 14
M15	1 34 14	21°41'42	5♏53	29° 1	8°38	14°41	13°49	2° 6	21°49	24°25	26°16	28°40	27°25	24° 5	13°12	M15
T 16	1 38 11	22°41'23	18°55	0♏37	9°19	15° 5	14° 2	2° 5	21°51	24°23	26°17	28°36	27°21	24°12	13°14	T 16
W17	1 42 8	23°41'05	1♐39	2°13	10° 1	15°29	14°15	2° 5	21°53	24°22	26°18	28°32	27°18	24°19	13°16	W17
T 18	1 46 4	24°40'50	14° 7	3°48	10°45	15°52	14°28	2° 5	21°55	24°20	26°19	28°28	27°15	24°26	13°19	T 18
F 19	1 50 1	25°40'36	26°20	5°22	11°29	16°15	14°41	2° 4	21°57	24°18	26°20	28°24	27°12	24°32	13°21	F 19
S 20	1 53 57	26°40'24	8♑22	6°56	12°14	16°38	14°54	2° 4	21°59	24°16	26°22	28°21	27° 9	24°39	13°23	S 20
S 21	1 57 54	27°40'14	20°16	8°30	13° 1	17° 0	15° 7	2° 3	22° 1	24°15	26°23	28°20	27° 6	24°46	13°26	S 21
M22	2 1 50	28°40'06	2♒ 8	10° 2	13°48	17°22	15°20	2° 2	22° 3	24°13	26°24	28°D20	27° 2	24°52	13°28	M22
T 23	2 5 47	29°39'59	14° 1	11°35	14°36	17°43	15°32	2° 1	22° 5	24°11	26°25	28°20	26°59	24°59	13°31	T 23
W24	2 9 43	0♏39'54	26° 2	13° 6	15°25	18° 4	15°45	2° 0	22° 7	24°10	26°26	28°22	26°56	25° 6	13°33	W24
T 25	2 13 40	1°39'50	8♓15	14°38	16°15	18°25	15°58	1°59	22° 9	24° 8	26°27	28°24	26°53	25°12	13°36	T 25
F 26	2 17 37	2°39'48	20°43	16° 8	17° 6	18°45	16°11	1°58	22°11	24° 6	26°28	28°25	26°50	25°19	13°39	F 26
S 27	2 21 33	3°39'48	3♈31	17°39	17°57	19° 4	16°24	1°57	22°13	24° 5	26°29	28°R25	26°46	25°26	13°42	S 27
S 28	2 25 30	4°39'49	16°39	19° 8	18°49	19°23	16°36	1°55	22°14	24° 3	26°30	28°24	26°43	25°33	13°45	S 28
M29	2 29 26	5°39'53	0♉ 9	20°38	19°42	19°42	16°49	1°54	22°16	24° 1	26°31	28°20	26°40	25°39	13°48	M29
T 30	2 33 23	6°39'58	13°59	22° 6	20°36	20° 0	17° 2	1°52	22°18	24° 0	26°32	28°16	26°37	25°46	13°51	T 30
W31	2 37 19	7♏40'05	28♉ 5	23♏35	21♍30	20♋18	17♎14	1♋50	22♌19	23♈58	26♌32	28♓ 9	26♓34	25♉53	13♉54	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	3s 7	10n15	2n 2	0s50	1n25	6n40	4s38	23n37	0n24	3s15	1n 7	22n22	1s 6	15n 6	0n41	7n57	1s48	22n52	10n38	0s30	0s44	26s13	15s52	7n 1
T 2	3 30	16 4	3 6	1 37	1 20	6 44	4 26	23 36	0 26	3 20	1 7	22 22	1 6	15 5	0 41	7 56	1 48	22 52	10 38	0 30	0 45	26 12	15 53	7 0
W 3	3 53	21 12	4 1	2 23	1 15	6 46	4 15	23 36	0 27	3 25	1 7	22 22	1 6	15 4	0 41	7 56	1 48	22 52	10 39	0 31	0 47	26 10	15 53	7 0
T 4	4 17	25 16	4 43	3 9	1 10	6 48	4 4	23 35	0 29	3 31	1 7	22 22	1 6	15 3	0 41	7 55	1 48	22 51	10 39	0 31	0 48	26 9	15 54	6 59
F 5	4 40	27 52	5 8	3 55	1 4	6 50	3 52	23 35	0 30	3 36	1 7	22 22	1 6	15 3	0 41	7 54	1 48	22 51	10 39	0 32	0 49	26 7	15 54	6 59
S 6	5 3	28 44	5 16	4 41	0 58	6 50	3 41	23 34	0 32	3 41	1 7	22 22	1 6	15 2	0 41	7 54	1 48	22 51	10 40	0 32	0 51	26 5	15 55	6 58
S 7	5 26	27 44	5 4	5 26	0 52	6 50	3 30	23 34	0 33	3 46	1 7	22 22	1 6	15 1	0 41	7 53	1 48	22 51	10 40	0 32	0 52	26 4	15 55	6 58
M 8	5 49	24 56	4 34	6 11	0 46	6 49	3 20	23 33	0 35	3 51	1 7	22 22	1 6	15 0	0 41	7 53	1 48	22 50	10 40	0 32	0 53	26 2	15 55	6 57
T 9	6 12	20 36	3 47	6 55	0 39	6 47	3 9	23 32	0 37	3 56	1 7	22 22	1 6	14 59	0 41	7 52	1 48	22 50	10 40	0 32	0 54	26 1	15 56	6 57
W10	6 35	15 7	2 46	7 39	0 33	6 44	2 59	23 31	0 38	4 1	1 7	22 22	1 6	14 59	0 41	7 51	1 48	22 50	10 41	0 31	0 56	25 59	15 56	6 56
T 11	6 58	8 51	1 35	8 22	0 26	6 41	2 48	23 31	0 40	4 6	1 7	22 22	1 6	14 58	0 41	7 51	1 48	22 50	10 41	0 31	0 57	25 58	15 56	6 56
F 12	7 21	2 13	0 20	9 5	0 19	6 37	2 38	23 30	0 42	4 11	1 7	22 22	1 6	14 57	0 41	7 50	1 48	22 50	10 41	0 30	0 58	25 56	15 57	6 55
S 13	7 43	4s25	0s56	9 47	0 13	6 33	2 28	23 29	0 44	4 16	1 7	22 21	1 6	14 56	0 41	7 49	1 48	22 49	10 42	0 30	0 59	25 55	15 57	6 55
S 14	8 6	10 46	2 7	10 29	0 6	6 27	2 18	23 28	0 45	4 21	1 7	22 21	1 6	14 56	0 41	7 49	1 48	22 49	10 42	0 31	1 1	25 53	15 58	6 54
M15	8 28	16 30	3 10	11 10	0s 1	6 22	2 9	23 27	0 47	4 26	1 7	22 21	1 6	14 55	0 41	7 48	1 48	22 49	10 42	0 32	1 2	25 51	15 58	6 53
T 16	8 50	21 21	4 2	11 50	0 8	6 15	1 59	23 26	0 49	4 31	1 7	22 21	1 6	14 54	0 41	7 48	1 48	22 49	10 43	0 33	1 3	25 50	15 58	6 53
W17	9 13	25 5	4 40	12 29	0 15	6 8	1 50	23 25	0 51	4 36	1 7	22 21	1 6	14 54	0 42	7 47	1 48	22 49	10 43	0 35	1 4	25 48	15 58	6 52
T 18	9 35	27 33	5 3	13 8	0 21	6 0	1 41	23 24	0 53	4 41	1 7	22 21	1 6	14 53	0 42	7 46	1 48	22 49	10 43	0 37	1 6	25 47	15 59	6 52
F 19	9 56	28 38	5 13	13 47	0 28	5 51	1 32	23 23	0 55	4 46	1 7	22 21	1 6	14 52	0 42	7 46	1 48	22 49	10 44	0 38	1 7	25 45	15 59	6 51
S 20	10 18	28 21	5 8	14 24	0 35	5 42	1 23	23 23	0 56	4 51	1 7	22 21	1 6	14 52	0 42	7 45	1 48	22 49	10 44	0 39	1 8	25 43	15 59	6 51
S 21	10 40	26 44	4 51	15 1	0 42	5 32	1 14	23 22	0 58	4 56	1 7	22 21	1 7	14 51	0 42	7 44	1 48	22 49	10 44	0 40	1 9	25 42	16 0	6 50
M22	11 1	23 57	4 20	15 37	0 48	5 22	1 6	23 21	1 0	5 1	1 7	22 21	1 7	14 50	0 42	7 44	1 48	22 48	10 45	0 40	1 11	25 40	16 0	6 50
T 23	11 22	20 8	3 39	16 12	0 55	5 11	0 57	23 20	1 2	5 6	1 7	22 21	1 7	14 50	0 42	7 43	1 48	22 48	10 45	0 40	1 12	25 38	16 0	6 49
W24	11 43	15 29	2 48	16 46	1 1	5 0	0 49	23 19	1 4	5 11	1 7	22 21	1 7	14 49	0 42	7 43	1 48	22 48	10 45	0 39	1 13	25 37	16 0	6 49
T 25	12 4	10 10	1 48	17 20	1 8	4 48	0 41	23 18	1 6	5 16	1 7	22 21	1 7	14 49	0 42	7 42	1 48	22 48	10 46	0 38	1 15	25 35	16 1	6 49
F 26	12 25	4 20	0 42	17 53	1 14	4 35	0 34	23 18	1 8	5 21	1 7	22 21	1 7	14 48	0 42	7 41	1 48	22 48	10 46	0 38	1 16	25 33	16 1	6 48
S 27	12 46	1n49	0n28	18 24	1 20	4 22	0 26	23 17	1 10	5 25	1 7	22 21	1 7	14 47	0 42	7 41	1 48	22 48	10 46	0 38	1 17	25 32	16 1	6 48
S 28	13 6	8 4	1 38	18 55	1 26	4 9	0 18	23 16	1 13	5 30	1 7	22 21	1 7	14 47	0 42	7 40	1 48	22 48	10 47	0 38	1 18	25 30	16 1	6 47
M29	13 26	14 6	2 44	19 25	1 32	3 55	0 11	23 16	1 15	5 35	1 7	22 21	1 7	14 46	0 42	7 40	1 48	22 48	10 47	0 40	1 20	25 28	16 1	6 47
T 30	13 46	19 35	3 42	19 54	1 38	3 40	0 4	23 15	1 17	5 40	1 7	22 21	1 7	14 46	0 42	7 39	1 48	22 48	10 48	0 42	1 21	25 27	16 1	6 46
W31	14s 5	24n 7	4n28	20s22	1s43	3n25	0n 3	23n15	1n19	5s45	1n 7	22n21	1s 7	14n46	0n42	7n38	1s48	22n48	10n48	0s44	1s22	25s25	16s 2	6n46

Julian Day Number = 2345167.5, Delta T = 11.81 sec
Ecliptic obliquity = 23°28'48, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'28, Lahiri = 19°47'29Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

NOVEMBER 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 16	8♏40'14	12♊22	25♏ 2	22♍25	20♋35	17♎27	1°R48	22♌21	23°R57	26♌33	28°R 3	26♓31	25♑59	13♑57	T 1
F 2	2 45 12	9°40'26	26°45	26°30	23°20	20°51	17°39	1♋46	22°22	23♈55	26°34	27♓57	26°27	26° 6	14° 0	F 2
S 3	2 49 9	10°40'39	11♋ 8	27°56	24°16	21° 7	17°52	1°44	22°24	23°53	26°35	27°52	26°24	26°13	14° 4	S 3
S 4	2 53 6	11°40'54	25°28	29°22	25°13	21°23	18° 4	1°42	22°25	23°52	26°36	27°49	26°21	26°20	14° 7	S 4
M 5	2 57 2	12°41'12	9♌40	0♐47	26°10	21°38	18°17	1°40	22°26	23°50	26°36	27°D47	26°18	26°26	14°11	M 5
T 6	3 0 59	13°41'31	23°43	2°12	27° 8	21°52	18°29	1°37	22°28	23°49	26°37	27°48	26°15	26°33	14°14	T 6
W 7	3 4 55	14°41'52	7♍36	3°36	28° 6	22° 6	18°42	1°35	22°29	23°47	26°38	27°49	26°12	26°40	14°18	W 7
T 8	3 8 52	15°42'16	21°19	4°59	29° 5	22°19	18°54	1°32	22°30	23°46	26°38	27°R50	26° 8	26°46	14°21	T 8
F 9	3 12 48	16°42'41	4♎52	6°21	0♎ 5	22°31	19° 6	1°30	22°31	23°44	26°39	27°50	26° 5	26°53	14°25	F 9
S 10	3 16 45	17°43'08	18°15	7°42	1° 4	22°43	19°18	1°27	22°32	23°43	26°39	27°48	26° 2	27° 0	14°29	S 10
S 11	3 20 41	18°43'36	1♏26	9° 2	2° 5	22°54	19°30	1°24	22°33	23°41	26°40	27°43	25°59	27° 6	14°32	S 11
M12	3 24 38	19°44'07	14°26	10°21	3° 5	23° 5	19°43	1°21	22°34	23°40	26°41	27°37	25°56	27°13	14°36	M12
T 13	3 28 35	20°44'39	27°13	11°38	4° 6	23°15	19°55	1°18	22°35	23°38	26°41	27°27	25°52	27°20	14°40	T 13
W14	3 32 31	21°45'13	9♐47	12°53	5° 8	23°24	20° 7	1°15	22°36	23°37	26°41	27°17	25°49	27°27	14°44	W14
T 15	3 36 28	22°45'48	22° 9	14° 7	6°10	23°33	20°19	1°11	22°36	23°35	26°42	27° 6	25°46	27°33	14°48	T 15
F 16	3 40 24	23°46'25	4♑18	15°19	7°12	23°40	20°31	1° 8	22°37	23°34	26°42	26°56	25°43	27°40	14°52	F 16
S 17	3 44 21	24°47'03	16°18	16°29	8°15	23°48	20°42	1° 5	22°38	23°32	26°43	26°48	25°40	27°47	14°56	S 17
S 18	3 48 17	25°47'42	28°10	17°36	9°18	23°54	20°54	1° 1	22°38	23°31	26°43	26°41	25°37	27°53	15° 1	S 18
M19	3 52 14	26°48'22	10♒ 0	18°39	10°21	24° 0	21° 6	0°58	22°39	23°30	26°43	26°37	25°33	28° 0	15° 5	M19
T 20	3 56 10	27°49'04	21°51	19°40	11°25	24° 4	21°18	0°54	22°39	23°28	26°44	26°35	25°30	28° 7	15° 9	T 20
W21	4 0 7	28°49'46	3♓49	20°37	12°29	24° 9	21°29	0°50	22°40	23°27	26°44	26°D35	25°27	28°14	15°13	W21
T 22	4 4 4	29°50'30	15°58	21°29	13°33	24°12	21°41	0°46	22°40	23°26	26°44	26°36	25°24	28°20	15°18	T 22
F 23	4 8 0	0♐51'15	28°26	22°16	14°38	24°14	21°52	0°42	22°40	23°25	26°44	26°R36	25°21	28°27	15°22	F 23
S 24	4 11 57	1°52'00	11♈15	22°57	15°43	24°16	22° 4	0°38	22°41	23°23	26°44	26°35	25°18	28°34	15°27	S 24
S 25	4 15 53	2°52'47	24°29	23°32	16°48	24°17	22°15	0°34	22°41	23°22	26°44	26°32	25°14	28°40	15°31	S 25
M26	4 19 50	3°53'35	8♉11	24° 0	17°54	24°R18	22°26	0°30	22°41	23°21	26°45	26°26	25°11	28°47	15°36	M26
T 27	4 23 46	4°54'24	22°19	24°20	18°59	24°17	22°38	0°26	22°41	23°20	26°45	26°18	25° 8	28°54	15°40	T 27
W28	4 27 43	5°55'14	6♊48	24°31	20° 6	24°16	22°49	0°22	22°R41	23°19	26°45	26° 7	25° 5	29° 0	15°45	W28
T 29	4 31 39	6°56'05	21°33	24°R33	21°12	24°13	23° 0	0°18	22°41	23°17	26°R45	25°56	25° 2	29° 7	15°50	T 29
F 30	4 35 36	7♐56'57	6♋25	24♐24	22♎18	24♋10	23♎11	0♋13	22♌41	23♈16	26♌45	25♓45	24♓58	29♑14	15♑54	F 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
T 1	14s25	27n14	4n58	20s49	1s49	3n10	0n10	23n14	1n21	5s49	1n 7	22n21	1s 7	14n45	0n42	7n38	1s48	22n48	10n48	0s47	1s23	25s23	16s 2	6n45
F 2	14 44	28 35	5 9	21 15	1 54	2 54	0 16	23 14	1 23	5 54	1 7	22 21	1 7	14 45	0 42	7 37	1 48	22 49	10 49	0 49	1 25	25 21	16 2	6 45
S 3	15 3	28 0	5 1	21 40	1 59	2 37	0 23	23 14	1 26	5 59	1 8	22 21	1 7	14 44	0 42	7 37	1 48	22 49	10 49	0 51	1 26	25 20	16 2	6 44
S 4	15 22	25 34	4 34	22 4	2 4	2 21	0 29	23 13	1 28	6 3	1 8	22 21	1 7	14 44	0 42	7 36	1 48	22 49	10 49	0 52	1 27	25 18	16 2	6 44
M 5	15 40	21 34	3 50	22 26	2 8	2 3	0 35	23 13	1 30	6 8	1 8	22 21	1 7	14 43	0 42	7 36	1 48	22 49	10 50	0 53	1 28	25 16	16 2	6 43
T 6	15 59	16 22	2 54	22 48	2 12	1 46	0 41	23 13	1 32	6 13	1 8	22 21	1 7	14 43	0 42	7 35	1 48	22 49	10 50	0 53	1 30	25 14	16 2	6 43
W 7	16 16	10 23	1 47	23 8	2 16	1 28	0 46	23 13	1 35	6 17	1 8	22 21	1 7	14 43	0 42	7 34	1 48	22 49	10 51	0 52	1 31	25 13	16 2	6 43
T 8	16 34	3 59	0 35	23 28	2 20	1 10	0 52	23 14	1 37	6 22	1 8	22 22	1 7	14 42	0 42	7 34	1 48	22 49	10 51	0 52	1 32	25 11	16 2	6 42
F 9	16 52	2s31	0s38	23 45	2 23	0 51	0 57	23 14	1 40	6 27	1 8	22 22	1 7	14 42	0 42	7 33	1 48	22 49	10 51	0 52	1 34	25 9	16 2	6 42
S 10	17 9	8 49	1 48	24 2	2 26	0 32	1 3	23 14	1 42	6 31	1 8	22 22	1 7	14 42	0 43	7 33	1 48	22 49	10 52	0 53	1 35	25 7	16 2	6 41
S 11	17 25	14 39	2 50	24 17	2 29	0 12	1 8	23 15	1 44	6 36	1 8	22 22	1 7	14 41	0 43	7 32	1 48	22 50	10 52	0 54	1 36	25 6	16 2	6 41
M12	17 42	19 45	3 43	24 31	2 31	0s 7	1 13	23 15	1 47	6 40	1 8	22 22	1 7	14 41	0 43	7 32	1 48	22 50	10 53	0 57	1 37	25 4	16 2	6 41
T 13	17 58	23 51	4 24	24 44	2 33	0 27	1 17	23 16	1 49	6 45	1 8	22 22	1 7	14 41	0 43	7 31	1 48	22 50	10 53	1 1	1 39	25 2	16 2	6 40
W14	18 14	26 45	4 51	24 55	2 34	0 47	1 22	23 17	1 52	6 49	1 8	22 22	1 7	14 41	0 43	7 31	1 48	22 50	10 53	1 5	1 40	25 0	16 2	6 40
T 15	18 30	28 18	5 3	25 5	2 34	1 8	1 26	23 18	1 54	6 54	1 8	22 22	1 7	14 41	0 43	7 30	1 48	22 50	10 54	1 9	1 41	24 58	16 2	6 39
F 16	18 45	28 26	5 2	25 14	2 34	1 29	1 31	23 19	1 57	6 58	1 8	22 22	1 7	14 40	0 43	7 30	1 48	22 51	10 54	1 13	1 42	24 57	16 2	6 39
S 17	19 0	27 14	4 47	25 20	2 34	1 50	1 35	23 21	2 0	7 2	1 9	22 22	1 7	14 40	0 43	7 29	1 48	22 51	10 54	1 17	1 44	24 55	16 2	6 39
S 18	19 14	24 49	4 20	25 26	2 32	2 11	1 39	23 22	2 2	7 7	1 9	22 22	1 7	14 40	0 43	7 29	1 48	22 51	10 55	1 19	1 45	24 53	16 2	6 38
M19	19 29	21 20	3 42	25 30	2 30	2 32	1 42	23 24	2 5	7 11	1 9	22 22	1 7	14 40	0 43	7 28	1 48	22 51	10 55	1 21	1 46	24 51	16 2	6 38
T 20	19 42	17 0	2 54	25 32	2 28	2 54	1 46	23 26	2 8	7 15	1 9	22 22	1 7	14 40	0 43	7 28	1 48	22 52	10 56	1 21	1 47	24 49	16 2	6 38
W21	19 56	11 58	1 59	25 32	2 24	3 16	1 50	23 27	2 10	7 20	1 9	22 22	1 7	14 40	0 43	7 27	1 48	22 52	10 56	1 22	1 49	24 47	16 2	6 37
T 22	20 9	6 24	0 56	25 31	2 19	3 38	1 53	23 30	2 13	7 24	1 9	22 22	1 7	14 40	0 43	7 27	1 47	22 52	10 56	1 21	1 50	24 46	16 2	6 37
F 23	20 22	0 29	0n10	25 29	2 14	4 0	1 56	23 32	2 16	7 28	1 9	22 22	1 6	14 40	0 43	7 27	1 47	22 53	10 57	1 21	1 51	24 44	16 1	6 37
S 24	20 34	5n38	1 17	25 24	2 7	4 22	1 59	23 34	2 19	7 32	1 9	22 22	1 6	14 40	0 43	7 26	1 47	22 53	10 57	1 22	1 52	24 42	16 1	6 36
S 25	20 46	11 43	2 23	25 18	1 59	4 44	2 2	23 37	2 21	7 36	1 9	22 22	1 6	14 39	0 43	7 26	1 47	22 53	10 58	1 23	1 54	24 40	16 1	6 36
M26	20 58	17 26	3 22	25 10	1 50	5 7	2 5	23 39	2 24	7 40	1 9	22 22	1 6	14 39	0 43	7 25	1 47	22 54	10 58	1 25	1 55	24 38	16 1	6 36
T 27	21 9	22 25	4 11	25 1	1 39	5 29	2 7	23 42	2 27	7 44	1 10	22 22	1 6	14 39	0 43	7 25	1 47	22 54	10 58	1 29	1 56	24 36	16 1	6 35
W28	21 20	26 9	4 45	24 49	1 27	5 52	2 10	23 45	2 30	7 48	1 10	22 22	1 6	14 40	0 43	7 25	1 47	22 54	10 59	1 33	1 57	24 34	16 0	6 35
T 29	21 30	28 12	5 1	24 36	1 14	6 15	2 12	23 49	2 33	7 52	1 10	22 23	1 6	14 40	0 43	7 24	1 47	22 55	10 59	1 37	1 59	24 32	16 0	6 35
F 30	21s40	28n15	4n56	24s21	0s59	6s37	2n14	23n52	2n35	7s56	1n10	22n23	1s 6	14n40	0n43	7n24	1s47	22n55	11n 0	1s41	2s 0	24s30	16s 0	6n35

Julian Day Number = 2345198.5, Delta T = 11.79 sec
Ecliptic obliquity = 23°28'47, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'33, Lahiri = 19°47'33Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1708
geocentric

DECEMBER 1708 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 33	8♐57'51	21♋15	24°R 4	23♎25	24°R 6	23♎22	0°R 9	22°R41	23°R15	26°R45	25°R36	24♓55	29♑21	15♑59	S 1
S 2	4 43 29	9°58'46	5♌55	23♐33	24°32	24♋ 2	23°32	0♋ 4	22♌41	23♈14	26♌44	25♓30	24°52	29°27	16° 4	S 2
M 3	4 47 26	10°59'42	20°21	22°51	25°40	23°56	23°43	29♊59	22°40	23°13	26°44	25°26	24°49	29°34	16° 9	M 3
T 4	4 51 22	12° 0'39	4♍28	21°58	26°47	23°50	23°54	29°55	22°40	23°12	26°44	25°24	24°46	29°41	16°14	T 4
W 5	4 55 19	13° 1'38	18°17	20°55	27°55	23°42	24° 4	29°51	22°40	23°11	26°44	25°24	24°43	29°47	16°19	W 5
T 6	4 59 15	14° 2'38	1♎48	19°43	29° 3	23°34	24°15	29°46	22°39	23°10	26°44	25°24	24°39	29°54	16°24	T 6
F 7	5 3 12	15° 3'38	15° 4	18°26	0♏11	23°25	24°25	29°41	22°39	23° 9	26°44	25°23	24°36	0♒ 1	16°29	F 7
S 8	5 7 9	16° 4'40	28° 6	17° 4	1°19	23°15	24°36	29°37	22°38	23° 9	26°43	25°19	24°33	0° 7	16°34	S 8
S 9	5 11 5	17° 5'43	10♏56	15°41	2°28	23° 5	24°46	29°32	22°38	23° 8	26°43	25°13	24°30	0°14	16°39	S 9
M10	5 15 2	18° 6'47	23°35	14°19	3°37	22°53	24°56	29°27	22°37	23° 7	26°43	25° 3	24°27	0°21	16°44	M10
T 11	5 18 58	19° 7'52	6♐ 5	13° 2	4°46	22°41	25° 6	29°22	22°36	23° 6	26°42	24°50	24°24	0°27	16°49	T 11
W12	5 22 55	20° 8'58	18°25	11°52	5°55	22°27	25°16	29°17	22°36	23° 5	26°42	24°36	24°20	0°34	16°54	W12
T 13	5 26 51	21°10'04	0♑36	10°50	7° 4	22°13	25°26	29°12	22°35	23° 5	26°41	24°21	24°17	0°41	16°59	T 13
F 14	5 30 48	22°11'11	12°39	9°57	8°13	21°59	25°35	29° 8	22°34	23° 4	26°41	24° 7	24°14	0°48	17° 4	F 14
S 15	5 34 44	23°12'19	24°34	9°16	9°23	21°43	25°45	29° 3	22°33	23° 3	26°41	23°54	24°11	0°54	17°10	S 15
S 16	5 38 41	24°13'27	6♒25	8°45	10°32	21°27	25°55	28°58	22°32	23° 3	26°40	23°44	24° 8	1° 1	17°15	S 16
M17	5 42 38	25°14'35	18°13	8°26	11°42	21°10	26° 4	28°53	22°31	23° 2	26°39	23°37	24° 4	1° 8	17°20	M17
T 18	5 46 34	26°15'43	0♓ 2	8°D17	12°52	20°52	26°13	28°48	22°30	23° 1	26°39	23°33	24° 1	1°14	17°25	T 18
W19	5 50 31	27°16'51	11°57	8°17	14° 2	20°34	26°22	28°43	22°29	23° 1	26°38	23°31	23°58	1°21	17°31	W19
T 20	5 54 27	28°18'00	24° 2	8°28	15°12	20°15	26°32	28°38	22°28	23° 0	26°38	23°31	23°55	1°28	17°36	T 20
F 21	5 58 24	29°19'09	6♈25	8°46	16°23	19°55	26°41	28°33	22°27	23° 0	26°37	23°31	23°52	1°34	17°41	F 21
S 22	6 2 20	0♑20'17	19° 9	9°12	17°33	19°35	26°49	28°28	22°25	23° 0	26°36	23°30	23°49	1°41	17°47	S 22
S 23	6 6 17	1°21'26	2♉19	9°45	18°44	19°14	26°58	28°23	22°24	22°59	26°36	23°27	23°45	1°48	17°52	S 23
M24	6 10 13	2°22'35	15°59	10°25	19°54	18°53	27° 7	28°18	22°23	22°59	26°35	23°21	23°42	1°55	17°58	M24
T 25	6 14 10	3°23'44	0♊ 9	11°10	21° 5	18°31	27°15	28°13	22°21	22°58	26°34	23°13	23°39	2° 1	18° 3	T 25
W26	6 18 7	4°24'52	14°47	12° 0	22°16	18° 9	27°24	28° 8	22°20	22°58	26°33	23° 2	23°36	2° 8	18° 8	W26
T 27	6 22 3	5°26'01	29°47	12°54	23°27	17°46	27°32	28° 3	22°18	22°58	26°33	22°50	23°33	2°15	18°14	T 27
F 28	6 26 0	6°27'10	14♋59	13°52	24°38	17°24	27°40	27°58	22°17	22°58	26°32	22°39	23°30	2°21	18°19	F 28
S 29	6 29 56	7°28'19	0♌12	14°53	25°50	17° 0	27°48	27°53	22°15	22°57	26°31	22°29	23°26	2°28	18°25	S 29
S 30	6 33 53	8°29'29	15°15	15°58	27° 1	16°37	27°56	27°49	22°14	22°57	26°30	22°22	23°23	2°35	18°30	S 30
M31	6 37 49	9♑30'38	0♍ 1	17♐ 5	28♏12	16♋13	28♎ 4	27♊44	22♌12	22♈57	26♌29	22♓18	23♓20	2♒41	18♑36	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	21 s50	26n17	4n32	24 s 3	0 s43	7 s 0	2n16	23n55	2n38	8 s 0	1n10	22n23	1 s 6	14n40	0n43	7n23	1 s47	22n55	11n 0	1 s45	2 s 1	24 s29	16 s 0	6n34
S 2	21 59	22 32	3 50	23 44	0 25	7 23	2 18	23 59	2 41	8 4	1 10	22 23	1 6	14 40	0 43	7 23	1 47	22 56	11 0	1 48	2 3	24 27	15 59	6 34
M 3	22 8	17 29	2 54	23 24	0 6	7 46	2 20	24 3	2 44	8 8	1 10	22 23	1 6	14 40	0 44	7 23	1 47	22 56	11 1	1 49	2 4	24 25	15 59	6 34
T 4	22 16	11 34	1 48	23 1	0n13	8 9	2 21	24 7	2 47	8 12	1 10	22 23	1 6	14 40	0 44	7 22	1 47	22 57	11 1	1 50	2 5	24 23	15 59	6 33
W 5	22 24	5 13	0 38	22 37	0 33	8 32	2 23	24 11	2 50	8 16	1 11	22 23	1 6	14 40	0 44	7 22	1 47	22 57	11 2	1 50	2 6	24 21	15 58	6 33
T 6	22 31	1 s14	0 s34	22 11	0 54	8 55	2 24	24 15	2 53	8 19	1 11	22 23	1 6	14 40	0 44	7 22	1 47	22 57	11 2	1 50	2 8	24 19	15 58	6 33
F 7	22 38	7 31	1 42	21 45	1 14	9 17	2 25	24 19	2 55	8 23	1 11	22 23	1 6	14 41	0 44	7 22	1 47	22 58	11 2	1 50	2 9	24 17	15 58	6 33
S 8	22 45	13 21	2 43	21 19	1 33	9 40	2 26	24 24	2 58	8 27	1 11	22 23	1 6	14 41	0 44	7 21	1 47	22 58	11 3	1 52	2 10	24 15	15 57	6 32
S 9	22 51	18 32	3 36	20 52	1 51	10 3	2 27	24 29	3 1	8 30	1 11	22 23	1 6	14 41	0 44	7 21	1 47	22 59	11 3	1 54	2 11	24 13	15 57	6 32
M10	22 57	22 50	4 16	20 27	2 7	10 25	2 28	24 33	3 4	8 34	1 11	22 23	1 6	14 41	0 44	7 21	1 47	22 59	11 4	1 58	2 13	24 11	15 57	6 32
T 11	23 2	26 1	4 44	20 4	2 21	10 48	2 29	24 38	3 7	8 37	1 11	22 23	1 5	14 42	0 44	7 21	1 47	23 0	11 4	2 3	2 14	24 9	15 56	6 32
W12	23 7	27 55	4 57	19 43	2 33	11 10	2 29	24 43	3 9	8 41	1 11	22 23	1 5	14 42	0 44	7 20	1 47	23 0	11 4	2 9	2 15	24 7	15 56	6 32
T 13	23 11	28 26	4 57	19 26	2 42	11 32	2 29	24 48	3 12	8 44	1 12	22 23	1 5	14 42	0 44	7 20	1 47	23 1	11 5	2 15	2 16	24 5	15 55	6 31
F 14	23 15	27 35	4 44	19 11	2 49	11 54	2 30	24 53	3 15	8 48	1 12	22 23	1 5	14 42	0 44	7 20	1 47	23 1	11 5	2 21	2 18	24 3	15 55	6 31
S 15	23 18	25 29	4 18	19 0	2 54	12 16	2 30	24 58	3 18	8 51	1 12	22 23	1 5	14 43	0 44	7 20	1 46	23 2	11 5	2 26	2 19	24 1	15 55	6 31
S 16	23 21	22 16	3 41	18 53	2 57	12 38	2 30	25 4	3 20	8 54	1 12	22 23	1 5	14 43	0 44	7 19	1 46	23 2	11 6	2 30	2 20	23 59	15 54	6 31
M17	23 24	18 10	2 55	18 49	2 58	13 0	2 30	25 9	3 23	8 58	1 12	22 24	1 5	14 44	0 44	7 19	1 46	23 3	11 6	2 32	2 21	23 57	15 54	6 31
T 18	23 26	13 22	2 1	18 48	2 57	13 21	2 30	25 14	3 25	9 1	1 12	22 24	1 5	14 44	0 44	7 19	1 46	23 3	11 7	2 34	2 23	23 55	15 53	6 31
W19	23 27	8 2	1 1	18 51	2 55	13 42	2 29	25 20	3 28	9 4	1 13	22 24	1 5	14 44	0 44	7 19	1 46	23 4	11 7	2 35	2 24	23 53	15 53	6 30
T 20	23 28	2 20	0n 3	18 56	2 51	14 3	2 29	25 25	3 30	9 7	1 13	22 24	1 5	14 45	0 44	7 19	1 46	23 5	11 7	2 35	2 25	23 51	15 52	6 30
F 21	23 29	3n35	1 8	19 3	2 47	14 24	2 28	25 30	3 33	9 10	1 13	22 24	1 5	14 45	0 44	7 19	1 46	23 5	11 8	2 35	2 26	23 49	15 52	6 30
S 22	23 29	9 32	2 11	19 13	2 41	14 44	2 28	25 35	3 35	9 13	1 13	22 24	1 4	14 46	0 44	7 19	1 46	23 6	11 8	2 35	2 28	23 47	15 51	6 30
S 23	23 28	15 16	3 10	19 24	2 35	15 4	2 27	25 41	3 37	9 16	1 13	22 24	1 4	14 46	0 44	7 19	1 46	23 6	11 8	2 36	2 29	23 45	15 50	6 30
M24	23 27	20 28	4 0	19 36	2 28	15 24	2 26	25 46	3 39	9 19	1 13	22 24	1 4	14 47	0 44	7 18	1 46	23 7	11 9	2 39	2 30	23 43	15 50	6 30
T 25	23 26	24 44	4 37	19 50	2 21	15 43	2 25	25 51	3 41	9 22	1 14	22 24	1 4	14 47	0 44	7 18	1 46	23 7	11 9	2 42	2 32	23 41	15 49	6 30
W26	23 24	27 32	4 58	20 4	2 13	16 2	2 24	25 56	3 43	9 25	1 14	22 24	1 4	14 48	0 44	7 18	1 46	23 8	11 9	2 46	2 33	23 38	15 49	6 30
T 27	23 22	28 27	4 59	20 19	2 5	16 21	2 23	26 1	3 45	9 28	1 14	22 24	1 4	14 48	0 44	7 18	1 46	23 9	11 10	2 51	2 34	23 36	15 48	6 30
F 28	23 19	27 15	4 38	20 34	1 57	16 40	2 22	26 6	3 47	9 31	1 14	22 24	1 4	14 49	0 45	7 18	1 46	23 9	11 10	2 55	2 35	23 34	15 47	6 29
S 29	23 16	24 2	3 59	20 50	1 48	16 58	2 21	26 11	3 49	9 33	1 14	22 24	1 4	14 49	0 45	7 18	1 46	23 10	11 10	2 59	2 37	23 32	15 47	6 29
S 30	23 12	19 12	3 3	21 5	1 40	17 16	2 19	26 15	3 51	9 36	1 14	22 24	1 4	14 50	0 45	7 18	1 46	23 10	11 11	3 2	2 38	23 30	15 46	6 29
M31	23 s 8	13n17	1n55	21 s20	1n31	17 s33	2n18	26n20	3n52	9 s38	1n15	22n24	1 s 3	14n50	0n45	7n18	1 s46	23n11	11n11	3 s 4	2 s39	23 s28	15 s45	6n29

Julian Day Number = 2345228.5, Delta T = 11.77 sec
Ecliptic obliquity = 23°28'46, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°40'37, Lahiri = 19°47'37Greg. Calendar