Astrodienst Ephemeris Tables

for the year 1789

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 1789
geocentric

JANUARY 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 44 14	11♑ 7'13	0♓32	27♐48	4♐47	10♑ 9	26°R33	6♓42	3°R44	23♎ 9	16♒16	7°R17	5♐58	17♒53	16°R46	T 1
F 2	6 48 11	12° 8'24	12°24	29°19	6° 0	10°55	26♋26	6°48	3♌42	23°10	16°17	7♐12	5°55	17°59	16♊43	F 2
S 3	6 52 7	13° 9'34	24°21	0♑51	7°14	11°41	26°18	6°53	3°40	23°11	16°19	7° 9	5°52	18° 6	16°40	S 3
S 4	6 56 4	14°10'44	6♈26	2°23	8°27	12°27	26°10	6°58	3°37	23°11	16°20	7° 7	5°48	18°13	16°36	S 4
M 5	7 0 1	15°11'54	18°45	3°55	9°41	13°13	26° 3	7° 4	3°35	23°12	16°22	7°D 7	5°45	18°19	16°33	M 5
T 6	7 3 57	16°13'03	1♉22	5°28	10°54	13°59	25°55	7° 9	3°32	23°13	16°23	7° 8	5°42	18°26	16°30	T 6
W 7	7 7 54	17°14'11	14°21	7° 1	12° 7	14°46	25°47	7°15	3°30	23°13	16°25	7° 9	5°39	18°33	16°27	W 7
T 8	7 11 50	18°15'19	27°47	8°34	13°21	15°32	25°39	7°20	3°27	23°14	16°26	7°10	5°36	18°40	16°24	T 8
F 9	7 15 47	19°16'27	11♊41	10° 8	14°35	16°18	25°31	7°26	3°25	23°14	16°28	7°R11	5°33	18°46	16°21	F 9
S 10	7 19 43	20°17'34	26° 4	11°43	15°48	17° 5	25°23	7°32	3°22	23°15	16°30	7° 9	5°29	18°53	16°18	S 10
S 11	7 23 40	21°18'40	10♋50	13°18	17° 2	17°51	25°15	7°37	3°20	23°15	16°31	7° 6	5°26	19° 0	16°15	S 11
M12	7 27 36	22°19'46	25°54	14°53	18°15	18°37	25° 7	7°43	3°17	23°16	16°33	7° 0	5°23	19° 6	16°12	M12
T 13	7 31 33	23°20'52	11♌ 6	16°29	19°29	19°24	24°59	7°49	3°15	23°16	16°35	6°53	5°20	19°13	16°10	T 13
W14	7 35 30	24°21'56	26°16	18° 6	20°43	20°10	24°51	7°55	3°12	23°16	16°36	6°45	5°17	19°20	16° 7	W14
T 15	7 39 26	25°23'01	11♍14	19°42	21°57	20°57	24°43	8° 1	3° 9	23°17	16°38	6°38	5°14	19°27	16° 4	T 15
F 16	7 43 23	26°24'05	25°51	21°20	23°10	21°43	24°35	8° 7	3° 7	23°17	16°40	6°33	5°10	19°33	16° 2	F 16
S 17	7 47 19	27°25'09	10♎ 4	22°58	24°24	22°30	24°27	8°13	3° 4	23°17	16°41	6°29	5° 7	19°40	15°59	S 17
S 18	7 51 16	28°26'12	23°51	24°37	25°38	23°16	24°19	8°20	3° 2	23°18	16°43	6°D28	5° 4	19°47	15°57	S 18
M19	7 55 12	29°27'15	7♏12	26°16	26°52	24° 3	24°11	8°26	2°59	23°18	16°45	6°28	5° 1	19°53	15°54	M19
T 20	7 59 9	0♒28'18	20°12	27°56	28° 6	24°50	24° 3	8°32	2°56	23°18	16°46	6°29	4°58	20° 0	15°52	T 20
W21	8 3 5	1°29'20	2♐53	29°36	29°20	25°36	23°55	8°38	2°54	23°18	16°48	6°R30	4°54	20° 7	15°50	W21
T 22	8 7 2	2°30'21	15°18	1♒17	0♑34	26°23	23°47	8°45	2°51	23°18	16°50	6°29	4°51	20°14	15°47	T 22
F 23	8 10 59	3°31'22	27°33	2°59	1°48	27°10	23°39	8°51	2°49	23°18	16°52	6°27	4°48	20°20	15°45	F 23
S 24	8 14 55	4°32'23	9♑39	4°41	3° 2	27°57	23°31	8°58	2°46	23°R18	16°53	6°22	4°45	20°27	15°43	S 24
S 25	8 18 52	5°33'22	21°39	6°24	4°16	28°43	23°23	9° 4	2°43	23°18	16°55	6°14	4°42	20°34	15°41	S 25
M26	8 22 48	6°34'21	3♒35	8° 8	5°30	29°30	23°16	9°11	2°41	23°18	16°57	6° 4	4°39	20°41	15°39	M26
T 27	8 26 45	7°35'18	15°29	9°52	6°44	0♒17	23° 8	9°17	2°38	23°18	16°59	5°52	4°35	20°47	15°37	T 27
W28	8 30 41	8°36'14	27°20	11°37	7°58	1° 4	23° 1	9°24	2°35	23°18	17° 0	5°39	4°32	20°54	15°35	W28
T 29	8 34 38	9°37'10	9♓12	13°22	9°12	1°51	22°53	9°31	2°33	23°18	17° 2	5°26	4°29	21° 1	15°34	T 29
F 30	8 38 34	10°38'04	21° 6	15° 8	10°26	2°38	22°46	9°37	2°30	23°17	17° 4	5°15	4°26	21° 7	15°32	F 30
S 31	8 42 31	11♒38'56	3♈ 4	16♒55	11♑40	3♒25	22♋38	9♓44	2♌28	23♎17	17♒ 6	5♐ 6	4♐23	21♒14	15♊31	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	23s 0	6s28	5n 9	23s58	0s31	19s20	1n49	23s56	0s52	21n17	0n26	10s44	1s48	19n56	0n37	7s26	1n41	24s 5	8s30	21s33	21s20	10s50	16n59	5s51
F 2	22 55	2 8	5 10	24 6	0 38	19 35	1 46	23 53	0 52	21 19	0 26	10 42	1 48	19 57	0 37	7 27	1 41	24 4	8 30	21 32	21 19	10 47	16 59	5 51
S 3	22 49	2n18	4 57	24 12	0 45	19 50	1 44	23 49	0 52	21 20	0 26	10 40	1 48	19 58	0 37	7 27	1 42	24 4	8 30	21 32	21 18	10 45	16 58	5 51
S 4	22 43	6 43	4 32	24 17	0 51	20 3	1 42	23 45	0 53	21 22	0 26	10 38	1 48	19 58	0 37	7 27	1 42	24 3	8 30	21 31	21 18	10 43	16 58	5 51
M 5	22 36	10 56	3 53	24 21	0 57	20 17	1 40	23 41	0 53	21 24	0 26	10 36	1 48	19 59	0 37	7 27	1 42	24 2	8 30	21 31	21 17	10 41	16 58	5 51
T 6	22 29	14 48	3 2	24 24	1 3	20 29	1 38	23 37	0 54	21 25	0 26	10 34	1 48	19 59	0 37	7 27	1 42	24 2	8 30	21 31	21 17	10 38	16 58	5 51
W 7	22 21	18 5	2 1	24 25	1 9	20 42	1 35	23 32	0 54	21 27	0 27	10 32	1 48	20 0	0 37	7 27	1 42	24 1	8 30	21 32	21 16	10 36	16 58	5 51
T 8	22 13	20 31	0 51	24 25	1 14	20 53	1 33	23 28	0 54	21 28	0 27	10 30	1 48	20 0	0 37	7 28	1 42	24 1	8 30	21 32	21 16	10 34	16 58	5 50
F 9	22 5	21 49	0s24	24 24	1 19	21 4	1 31	23 22	0 55	21 30	0 27	10 27	1 48	20 1	0 37	7 28	1 42	24 0	8 30	21 32	21 15	10 32	16 57	5 50
S 10	21 56	21 44	1 40	24 21	1 24	21 15	1 28	23 17	0 55	21 32	0 27	10 25	1 48	20 2	0 37	7 28	1 42	24 0	8 30	21 32	21 15	10 29	16 57	5 50
S 11	21 47	20 10	2 52	24 17	1 29	21 25	1 26	23 11	0 55	21 33	0 27	10 23	1 47	20 2	0 37	7 28	1 42	23 59	8 30	21 31	21 14	10 27	16 57	5 50
M12	21 37	17 11	3 52	24 11	1 34	21 34	1 23	23 5	0 56	21 35	0 27	10 21	1 47	20 3	0 37	7 28	1 42	23 59	8 30	21 30	21 13	10 25	16 57	5 50
T 13	21 27	13 1	4 37	24 4	1 38	21 43	1 20	22 59	0 56	21 36	0 27	10 18	1 47	20 4	0 37	7 28	1 42	23 58	8 30	21 29	21 13	10 22	16 57	5 50
W14	21 16	8 2	5 2	23 55	1 42	21 51	1 18	22 53	0 56	21 38	0 28	10 16	1 47	20 4	0 37	7 28	1 42	23 58	8 30	21 28	21 12	10 20	16 57	5 49
T 15	21 5	2 38	5 6	23 45	1 46	21 58	1 15	22 46	0 57	21 40	0 28	10 14	1 47	20 5	0 37	7 28	1 42	23 57	8 30	21 27	21 12	10 18	16 57	5 49
F 16	20 54	2s47	4 50	23 34	1 49	22 5	1 12	22 39	0 57	21 41	0 28	10 11	1 47	20 5	0 37	7 28	1 42	23 56	8 30	21 26	21 11	10 16	16 57	5 49
S 17	20 42	7 55	4 17	23 21	1 52	22 11	1 10	22 32	0 58	21 43	0 28	10 9	1 47	20 6	0 37	7 28	1 42	23 56	8 30	21 25	21 11	10 13	16 57	5 49
S 18	20 30	12 30	3 29	23 7	1 55	22 17	1 7	22 24	0 58	21 44	0 28	10 7	1 47	20 7	0 37	7 28	1 42	23 55	8 30	21 25	21 10	10 11	16 57	5 48
M19	20 17	16 18	2 31	22 51	1 57	22 22	1 4	22 17	0 58	21 46	0 28	10 4	1 47	20 7	0 37	7 28	1 42	23 55	8 30	21 25	21 9	10 9	16 57	5 48
T 20	20 4	19 12	1 26	22 33	2 0	22 26	1 1	22 9	0 58	21 47	0 28	10 2	1 47	20 8	0 37	7 28	1 43	23 54	8 30	21 25	21 9	10 6	16 57	5 48
W21	19 51	21 4	0 19	22 14	2 1	22 29	0 58	22 0	0 59	21 49	0 28	9 59	1 47	20 8	0 37	7 28	1 43	23 54	8 30	21 25	21 8	10 4	16 57	5 48
T 22	19 37	21 52	0n47	21 53	2 3	22 32	0 56	21 52	0 59	21 50	0 29	9 57	1 47	20 9	0 37	7 28	1 43	23 53	8 30	21 25	21 8	10 2	16 57	5 47
F 23	19 23	21 36	1 50	21 31	2 4	22 35	0 53	21 43	0 59	21 52	0 29	9 54	1 47	20 10	0 37	7 28	1 43	23 53	8 30	21 25	21 7	10 0	16 57	5 47
S 24	19 9	20 20	2 48	21 8	2 5	22 36	0 50	21 34	1 0	21 53	0 29	9 52	1 47	20 10	0 37	7 28	1 43	23 52	8 30	21 24	21 7	9 57	16 57	5 47
S 25	18 54	18 9	3 37	20 42	2 5	22 37	0 47	21 25	1 0	21 55	0 29	9 49	1 47	20 11	0 37	7 28	1 43	23 52	8 30	21 22	21 6	9 55	16 57	5 47
M26	18 39	15 13	4 16	20 15	2 5	22 37	0 44	21 16	1 0	21 56	0 29	9 47	1 47	20 11	0 37	7 28	1 43	23 51	8 30	21 21	21 5	9 53	16 57	5 46
T 27	18 24	11 41	4 44	19 47	2 4	22 37	0 41	21 6	1 1	21 57	0 29	9 44	1 47	20 12	0 37	7 28	1 43	23 50	8 30	21 18	21 5	9 50	16 57	5 46
W28	18 8	7 43	4 59	19 17	2 3	22 36	0 38	20 56	1 1	21 59	0 29	9 42	1 46	20 13	0 37	7 28	1 43	23 50	8 30	21 16	21 4	9 48	16 57	5 46
T 29	17 52	3 28	5 2	18 46	2 1	22 34	0 35	20 46	1 1	22 0	0 29	9 39	1 46	20 13	0 37	7 28	1 43	23 49	8 30	21 14	21 4	9 46	16 57	5 46
F 30	17 35	0n56	4 51	18 13	1 59	22 31	0 32	20 35	1 1	22 2	0 29	9 37	1 46	20 14	0 37	7 28	1 43	23 49	8 30	21 12	21 3	9 43	16 57	5 45
S 31	17s19	5n19	4n28	17s38	1s56	22s28	0n29	20s25	1s 2	22n 3	0n29	9s34	1s46	20n14	0n37	7s28	1n43	23s48	8s30	21s10	21s 2	9s41	16n58	5s45

Julian Day Number = 2374479.5, Delta T = 21.80 sec
Ecliptic obliquity = 23°27'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°47'40, Lahiri = 20°54'40Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

FEBRUARY 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 46 28	12♒39'48	15♈ 9	18♒42	12♉54	4♒12	22°R31	9♓51	2°R25	23°R17	17♒ 8	5°R 0	4♐20	21♒21	15°R29	S 1
M 2	8 50 24	13°40'38	27°26	20°29	14° 8	4°59	22♋24	9°58	2♌23	23♎17	17° 9	4♐56	4°16	21°28	15♊28	M 2
T 3	8 54 21	14°41'26	9♉57	22°17	15°23	5°46	22°17	10° 5	2°20	23°16	17°11	4°D55	4°13	21°34	15°26	T 3
W 4	8 58 17	15°42'13	22°49	24° 5	16°37	6°33	22°10	10°12	2°17	23°16	17°13	4°55	4°10	21°41	15°25	W 4
T 5	9 2 14	16°42'59	6♊ 5	25°53	17°51	7°20	22° 4	10°19	2°15	23°16	17°15	4°R55	4° 7	21°48	15°24	T 5
F 6	9 6 10	17°43'43	19°50	27°41	19° 5	8° 7	21°57	10°26	2°12	23°15	17°16	4°54	4° 4	21°54	15°23	F 6
S 7	9 10 7	18°44'25	4♋ 3	29°29	20°19	8°54	21°50	10°33	2°10	23°15	17°18	4°51	4° 0	22° 1	15°22	S 7
S 8	9 14 3	19°45'06	18°45	1♓16	21°33	9°41	21°44	10°40	2° 7	23°14	17°20	4°46	3°57	22° 8	15°21	S 8
M 9	9 18 0	20°45'45	3♌49	3° 3	22°48	10°28	21°38	10°47	2° 5	23°14	17°22	4°37	3°54	22°15	15°20	M 9
T 10	9 21 57	21°46'22	19° 9	4°49	24° 2	11°15	21°32	10°54	2° 3	23°13	17°24	4°27	3°51	22°21	15°19	T 10
W11	9 25 53	22°46'58	4♍31	6°33	25°16	12° 2	21°26	11° 1	2° 0	23°12	17°25	4°16	3°48	22°28	15°18	W11
T 12	9 29 50	23°47'33	19°45	8°16	26°30	12°49	21°20	11° 8	1°58	23°12	17°27	4° 5	3°45	22°35	15°18	T 12
F 13	9 33 46	24°48'06	4♎40	9°56	27°44	13°36	21°14	11°15	1°55	23°11	17°29	3°56	3°41	22°41	15°17	F 13
S 14	9 37 43	25°48'38	19° 8	11°34	28°59	14°23	21° 9	11°22	1°53	23°11	17°31	3°49	3°38	22°48	15°17	S 14
S 15	9 41 39	26°49'09	3♏ 6	13° 9	0♒13	15°11	21° 3	11°30	1°51	23°10	17°32	3°45	3°35	22°55	15°16	S 15
M16	9 45 36	27°49'39	16°35	14°40	1°27	15°58	20°58	11°37	1°49	23° 9	17°34	3°43	3°32	23° 2	15°16	M16
T 17	9 49 32	28°50'07	29°37	16° 6	2°41	16°45	20°53	11°44	1°46	23° 8	17°36	3°43	3°29	23° 8	15°16	T 17
W18	9 53 29	29°50'34	12♐16	17°28	3°56	17°32	20°48	11°51	1°44	23° 7	17°38	3°43	3°26	23°15	15°16	W18
T 19	9 57 26	0♓50'59	24°37	18°44	5°10	18°19	20°44	11°59	1°42	23° 7	17°39	3°42	3°22	23°22	15°D15	T 19
F 20	10 1 22	1°51'23	6♉45	19°54	6°24	19° 7	20°39	12° 6	1°40	23° 6	17°41	3°38	3°19	23°29	15°15	F 20
S 21	10 5 19	2°51'46	18°44	20°56	7°38	19°54	20°35	12°13	1°38	23° 5	17°43	3°32	3°16	23°35	15°16	S 21
S 22	10 9 15	3°52'07	0♒38	21°52	8°53	20°41	20°31	12°20	1°35	23° 4	17°45	3°23	3°13	23°42	15°16	S 22
M23	10 13 12	4°52'27	12°29	22°39	10° 7	21°28	20°27	12°28	1°33	23° 3	17°46	3°11	3°10	23°49	15°16	M23
T 24	10 17 8	5°52'45	24°20	23°17	11°21	22°15	20°23	12°35	1°31	23° 2	17°48	2°57	3° 6	23°55	15°16	T 24
W25	10 21 5	6°53'01	6♓13	23°47	12°36	23° 3	20°19	12°42	1°29	23° 1	17°50	2°42	3° 3	24° 2	15°17	W25
T 26	10 25 1	7°53'15	18° 9	24° 7	13°50	23°50	20°16	12°50	1°27	23° 0	17°52	2°27	3° 0	24° 9	15°17	T 26
F 27	10 28 58	8°53'27	0♈ 8	24°18	15° 4	24°37	20°12	12°57	1°25	22°59	17°53	2°14	2°57	24°16	15°18	F 27
S 28	10 32 55	9♓53'38	12♈13	24°R19	16♒18	25♒24	20♋ 9	13♓ 4	1♌23	22♎58	17♒55	2♐ 3	2♐54	24♒22	15♊18	S 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 2	9n32	3n52	17s 2	1s53	22s24	0n26	20s14	1s 2	22n 4	0n30	9s31	1s46	20n15	0n37	7s27	1n43	23s48	8s30	21s 9	21s 2	9s39	16n58	5s45
M 2	16 44	13 27	3 5	16 24	1 49	22 20	0 23	20 3	1 2	22 5	0 30	9 29	1 46	20 16	0 37	7 27	1 43	23 47	8 30	21 9	21 1	9 37	16 58	5 44
T 3	16 27	16 51	2 8	15 45	1 45	22 14	0 20	19 52	1 2	22 7	0 30	9 26	1 46	20 16	0 37	7 27	1 43	23 47	8 30	21 8	21 1	9 34	16 58	5 44
W 4	16 9	19 32	1 4	15 5	1 40	22 9	0 17	19 40	1 3	22 8	0 30	9 24	1 46	20 17	0 37	7 27	1 43	23 46	8 30	21 8	21 0	9 32	16 58	5 44
T 5	15 51	21 15	0s 6	14 23	1 35	22 2	0 15	19 28	1 3	22 9	0 30	9 21	1 46	20 17	0 37	7 27	1 44	23 46	8 30	21 8	21 0	9 30	16 58	5 43
F 6	15 32	21 47	1 18	13 40	1 28	21 55	0 12	19 16	1 3	22 10	0 30	9 18	1 46	20 18	0 37	7 26	1 44	23 45	8 30	21 8	20 59	9 27	16 59	5 43
S 7	15 13	20 56	2 28	12 56	1 21	21 47	0 9	19 4	1 3	22 11	0 30	9 16	1 46	20 18	0 37	7 26	1 44	23 45	8 30	21 8	20 58	9 25	16 59	5 43
S 8	14 55	18 41	3 30	12 11	1 14	21 39	0 6	18 52	1 3	22 12	0 30	9 13	1 46	20 19	0 37	7 26	1 44	23 44	8 30	21 7	20 58	9 23	16 59	5 42
M 9	14 35	15 7	4 19	11 25	1 6	21 29	0 3	18 39	1 4	22 13	0 30	9 10	1 46	20 20	0 37	7 26	1 44	23 44	8 30	21 5	20 57	9 20	16 59	5 42
T 10	14 16	10 30	4 50	10 38	0 57	21 20	0 0	18 27	1 4	22 14	0 30	9 7	1 46	20 20	0 37	7 25	1 44	23 43	8 30	21 3	20 57	9 18	17 0	5 42
W11	13 56	5 12	5 1	9 51	0 47	21 9	0s 3	18 14	1 4	22 15	0 30	9 5	1 46	20 21	0 37	7 25	1 44	23 43	8 30	21 1	20 56	9 16	17 0	5 41
T 12	13 36	0s23	4 50	9 3	0 36	20 58	0 6	18 1	1 4	22 16	0 30	9 2	1 46	20 21	0 37	7 25	1 44	23 42	8 31	20 59	20 55	9 13	17 0	5 41
F 13	13 16	5 49	4 19	8 15	0 25	20 46	0 8	17 47	1 4	22 17	0 31	8 59	1 46	20 22	0 37	7 25	1 44	23 42	8 31	20 57	20 55	9 11	17 0	5 41
S 14	12 56	10 46	3 32	7 26	0 14	20 34	0 11	17 34	1 5	22 18	0 31	8 57	1 46	20 22	0 37	7 24	1 44	23 41	8 31	20 56	20 54	9 9	17 1	5 40
S 15	12 35	14 59	2 34	6 39	0 1	20 21	0 14	17 20	1 5	22 19	0 31	8 54	1 46	20 23	0 37	7 24	1 44	23 41	8 31	20 55	20 54	9 7	17 1	5 40
M16	12 14	18 14	1 29	5 52	0n12	20 8	0 17	17 6	1 5	22 20	0 31	8 51	1 46	20 23	0 37	7 24	1 44	23 40	8 31	20 55	20 53	9 4	17 1	5 40
T 17	11 54	20 27	0 22	5 6	0 26	19 54	0 19	16 52	1 5	22 21	0 31	8 48	1 46	20 24	0 37	7 23	1 44	23 40	8 31	20 55	20 52	9 2	17 2	5 39
W18	11 32	21 33	0n45	4 21	0 40	19 39	0 22	16 38	1 5	22 22	0 31	8 46	1 46	20 24	0 37	7 23	1 44	23 39	8 31	20 55	20 52	9 0	17 2	5 39
T 19	11 11	21 33	1 48	3 38	0 54	19 24	0 25	16 23	1 5	22 22	0 31	8 43	1 46	20 25	0 37	7 23	1 44	23 39	8 31	20 55	20 51	8 57	17 2	5 39
F 20	10 50	20 33	2 45	2 57	1 9	19 8	0 27	16 9	1 5	22 23	0 31	8 40	1 46	20 25	0 37	7 22	1 44	23 39	8 31	20 54	20 51	8 55	17 3	5 38
S 21	10 28	18 38	3 34	2 19	1 24	18 52	0 30	15 54	1 6	22 24	0 31	8 37	1 46	20 26	0 37	7 22	1 44	23 38	8 31	20 53	20 50	8 53	17 3	5 38
S 22	10 6	15 56	4 13	1 43	1 39	18 35	0 32	15 39	1 6	22 25	0 31	8 34	1 46	20 26	0 37	7 21	1 44	23 38	8 32	20 51	20 49	8 50	17 3	5 38
M23	9 44	12 35	4 40	1 11	1 54	18 17	0 35	15 24	1 6	22 25	0 31	8 32	1 46	20 27	0 37	7 21	1 45	23 37	8 32	20 49	20 49	8 48	17 4	5 37
T 24	9 22	8 46	4 56	0 42	2 8	17 59	0 37	15 9	1 6	22 26	0 31	8 29	1 46	20 27	0 37	7 21	1 45	23 37	8 32	20 46	20 48	8 46	17 4	5 37
W25	9 0	4 37	4 59	0 18	2 22	17 41	0 40	14 53	1 6	22 26	0 31	8 26	1 46	20 27	0 37	7 20	1 45	23 36	8 32	20 43	20 47	8 43	17 4	5 37
T 26	8 37	0 16	4 48	0n 3	2 36	17 22	0 42	14 38	1 6	22 27	0 31	8 23	1 46	20 28	0 37	7 20	1 45	23 36	8 32	20 40	20 47	8 41	17 5	5 36
F 27	8 15	4n 6	4 25	0 19	2 49	17 2	0 44	14 22	1 6	22 28	0 31	8 20	1 46	20 28	0 37	7 19	1 45	23 36	8 32	20 38	20 46	8 39	17 5	5 36
S 28	7s52	8n21	3n50	0n30	3n 0	16s42	0s47	14s 6	1s 6	22n28	0n31	8s18	1s46	20n29	0n37	7s19	1n45	23s35	8s32	20s36	20s46	8s37	17n 6	5s36

Julian Day Number = 2374510.5, Delta T = 21.79 sec
Ecliptic obliquity = 23°27'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°47'44, Lahiri = 20°54'44Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

MARCH 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 36 51	10♓53'47	24♈25	24°R11	17♒33	26♒12	20°R 6	13♓12	1°R22	22°R57	17♒57	1°R55	2♐51	24♒29	15♊19	S 1
M 2	10 40 48	11°53'53	6♉47	23♓54	18°47	26°59	20♋ 4	13°19	1♌20	22♎56	17°58	1♐50	2°47	24°36	15°20	M 2
T 3	10 44 44	12°53'58	19°21	23°29	20° 1	27°46	20° 1	13°27	1°18	22°55	18° 0	1°48	2°44	24°42	15°21	T 3
W 4	10 48 41	13°54'00	2♊12	22°55	21°16	28°33	19°59	13°34	1°16	22°53	18° 1	1°D47	2°41	24°49	15°22	W 4
T 5	10 52 37	14°54'00	15°23	22°15	22°30	29°21	19°57	13°41	1°15	22°52	18° 3	1°R47	2°38	24°56	15°23	T 5
F 6	10 56 34	15°53'58	28°57	21°28	23°44	0♓ 8	19°55	13°49	1°13	22°51	18° 5	1°47	2°35	25° 3	15°24	F 6
S 7	11 0 30	16°53'54	12♋58	20°37	24°58	0°55	19°53	13°56	1°11	22°50	18° 6	1°45	2°31	25° 9	15°25	S 7
S 8	11 4 27	17°53'48	27°24	19°42	26°13	1°42	19°51	14° 3	1°10	22°48	18° 8	1°40	2°28	25°16	15°27	S 8
M 9	11 8 24	18°53'39	12♌14	18°44	27°27	2°29	19°50	14°11	1° 8	22°47	18°10	1°32	2°25	25°23	15°28	M 9
T 10	11 12 20	19°53'28	27°21	17°46	28°41	3°17	19°49	14°18	1° 7	22°46	18°11	1°23	2°22	25°30	15°29	T 10
W11	11 16 17	20°53'15	12♍35	16°48	29°55	4° 4	19°48	14°25	1° 5	22°45	18°13	1°12	2°19	25°36	15°31	W11
T 12	11 20 13	21°53'00	27°47	15°51	1♓10	4°51	19°47	14°33	1° 4	22°43	18°14	1° 2	2°16	25°43	15°33	T 12
F 13	11 24 10	22°52'43	12♎44	14°58	2°24	5°38	19°46	14°40	1° 3	22°42	18°16	0°53	2°12	25°50	15°34	F 13
S 14	11 28 6	23°52'24	27°19	14° 7	3°38	6°25	19°46	14°47	1° 1	22°41	18°17	0°47	2° 9	25°56	15°36	S 14
S 15	11 32 3	24°52'03	11♏27	13°22	4°52	7°12	19°46	14°55	1° 0	22°39	18°19	0°43	2° 6	26° 3	15°38	S 15
M16	11 35 59	25°51'41	25° 4	12°41	6° 6	8° 0	19°D46	15° 2	0°59	22°38	18°20	0°D41	2° 3	26°10	15°40	M16
T 17	11 39 56	26°51'17	8♐14	12° 6	7°21	8°47	19°46	15° 9	0°58	22°36	18°22	0°41	2° 0	26°17	15°42	T 17
W18	11 43 52	27°50'51	20°58	11°36	8°35	9°34	19°46	15°17	0°57	22°35	18°23	0°42	1°57	26°23	15°44	W18
T 19	11 47 49	28°50'23	3♑22	11°13	9°49	10°21	19°47	15°24	0°56	22°33	18°25	0°R42	1°53	26°30	15°46	T 19
F 20	11 51 46	29°49'54	15°31	10°56	11° 3	11° 8	19°48	15°31	0°55	22°32	18°26	0°41	1°50	26°37	15°48	F 20
S 21	11 55 42	0♈49'23	27°29	10°44	12°18	11°55	19°49	15°38	0°54	22°30	18°27	0°37	1°47	26°43	15°50	S 21
S 22	11 59 39	1°48'50	9♒22	10°D39	13°32	12°42	19°50	15°45	0°53	22°29	18°29	0°31	1°44	26°50	15°53	S 22
M23	12 3 35	2°48'15	21°12	10°40	14°46	13°29	19°51	15°53	0°52	22°27	18°30	0°23	1°41	26°57	15°55	M23
T 24	12 7 32	3°47'38	3♓ 4	10°46	16° 0	14°16	19°53	16° 0	0°51	22°26	18°31	0°13	1°37	27° 4	15°58	T 24
W25	12 11 28	4°46'59	14°59	10°58	17°14	15° 3	19°54	16° 7	0°50	22°24	18°33	0° 2	1°34	27°10	16° 0	W25
T 26	12 15 25	5°46'18	27° 1	11°14	18°29	15°50	19°56	16°14	0°50	22°23	18°34	29♏51	1°31	27°17	16° 3	T 26
F 27	12 19 21	6°45'35	9♈ 9	11°36	19°43	16°37	19°58	16°21	0°49	22°21	18°35	29°41	1°28	27°24	16° 6	F 27
S 28	12 23 18	7°44'50	21°26	12° 3	20°57	17°24	20° 1	16°28	0°48	22°20	18°37	29°33	1°25	27°31	16° 8	S 28
S 29	12 27 15	8°44'04	3♉51	12°34	22°11	18°11	20° 3	16°35	0°48	22°18	18°38	29°28	1°22	27°37	16°11	S 29
M30	12 31 11	9°43'14	16°26	13° 9	23°25	18°58	20° 6	16°42	0°47	22°16	18°39	29°25	1°18	27°44	16°14	M30
T 31	12 35 8	10♈42'23	29♉14	13♓48	24♓39	19♓45	20♋ 8	16♓49	0♌47	22♎15	18♒40	29°D24	1♐15	27♒51	16♊17	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	7s29	12n19	3n 4	0n37	3n11	16s22	0s49	13s50	1s 6	22n29	0n31	8s15	1s46	20n29	0n37	7s19	1n45	23s35	8s33	20s34	20s45	8s34	17n 6	5s35
M 2	7 6	15 49	2 8	0 39	3 20	16 1	0 51	13 34	1 6	22 29	0 31	8 12	1 46	20 29	0 37	7 18	1 45	23 34	8 33	20 33	20 44	8 32	17 7	5 35
T 3	6 43	18 38	1 5	0 35	3 28	15 40	0 53	13 18	1 6	22 29	0 31	8 9	1 47	20 30	0 37	7 18	1 45	23 34	8 33	20 33	20 44	8 30	17 7	5 34
W 4	6 20	20 35	0s 2	0 28	3 34	15 18	0 55	13 2	1 6	22 30	0 31	8 6	1 47	20 30	0 37	7 17	1 45	23 34	8 33	20 33	20 43	8 27	17 7	5 34
T 5	5 57	21 29	1 11	0 15	3 38	14 56	0 57	12 45	1 6	22 30	0 31	8 4	1 47	20 31	0 37	7 17	1 45	23 33	8 33	20 33	20 43	8 25	17 8	5 34
F 6	5 34	21 9	2 19	0s 1	3 40	14 33	0 59	12 28	1 6	22 30	0 31	8 1	1 47	20 31	0 37	7 16	1 45	23 33	8 33	20 32	20 42	8 23	17 8	5 33
S 7	5 11	19 31	3 20	0 21	3 40	14 10	1 1	12 12	1 6	22 31	0 32	7 58	1 47	20 31	0 37	7 16	1 45	23 33	8 33	20 32	20 41	8 20	17 9	5 33
S 8	4 47	16 37	4 10	0 45	3 38	13 47	1 3	11 55	1 6	22 31	0 32	7 55	1 47	20 32	0 37	7 15	1 45	23 32	8 34	20 31	20 41	8 18	17 9	5 33
M 9	4 24	12 35	4 45	1 11	3 34	13 23	1 5	11 38	1 6	22 31	0 32	7 53	1 47	20 32	0 37	7 15	1 45	23 32	8 34	20 30	20 40	8 16	17 10	5 32
T 10	4 0	7 42	5 1	1 39	3 28	12 59	1 6	11 21	1 6	22 31	0 32	7 50	1 47	20 32	0 37	7 14	1 45	23 32	8 34	20 28	20 39	8 13	17 10	5 32
W11	3 37	2 17	4 56	2 9	3 20	12 34	1 8	11 4	1 6	22 32	0 32	7 47	1 47	20 32	0 37	7 14	1 45	23 31	8 34	20 25	20 39	8 11	17 11	5 32
T 12	3 13	3s15	4 30	2 39	3 10	12 10	1 10	10 46	1 6	22 32	0 32	7 44	1 47	20 33	0 37	7 13	1 45	23 31	8 34	20 23	20 38	8 9	17 11	5 31
F 13	2 50	8 30	3 46	3 10	2 59	11 44	1 11	10 29	1 6	22 32	0 32	7 41	1 47	20 33	0 37	7 13	1 45	23 31	8 35	20 22	20 38	8 6	17 12	5 31
S 14	2 26	13 8	2 47	3 41	2 47	11 19	1 13	10 12	1 6	22 32	0 32	7 39	1 47	20 33	0 37	7 12	1 45	23 30	8 35	20 20	20 37	8 4	17 12	5 31
S 15	2 2	16 52	1 41	4 10	2 34	10 53	1 14	9 54	1 6	22 32	0 32	7 36	1 47	20 34	0 37	7 11	1 45	23 30	8 35	20 19	20 36	8 2	17 13	5 30
M16	1 39	19 32	0 30	4 39	2 20	10 27	1 16	9 36	1 6	22 32	0 32	7 33	1 47	20 34	0 37	7 11	1 45	23 30	8 35	20 19	20 36	7 59	17 13	5 30
T 17	1 15	21 3	0n40	5 6	2 6	10 1	1 17	9 19	1 6	22 32	0 32	7 30	1 47	20 34	0 37	7 10	1 45	23 29	8 35	20 19	20 35	7 57	17 14	5 30
W18	0 51	21 24	1 46	5 31	1 51	9 34	1 18	9 1	1 6	22 32	0 32	7 28	1 47	20 34	0 37	7 10	1 45	23 29	8 35	20 19	20 34	7 55	17 15	5 29
T 19	0 28	20 40	2 45	5 54	1 36	9 7	1 19	8 43	1 6	22 32	0 32	7 25	1 48	20 34	0 37	7 9	1 45	23 29	8 36	20 19	20 34	7 52	17 15	5 29
F 20	0 4	19 0	3 35	6 14	1 20	8 40	1 20	8 25	1 6	22 32	0 32	7 22	1 48	20 35	0 37	7 9	1 46	23 29	8 36	20 19	20 33	7 50	17 16	5 29
S 21	0n20	16 31	4 15	6 33	1 5	8 13	1 22	8 7	1 6	22 32	0 32	7 19	1 48	20 35	0 37	7 8	1 46	23 28	8 36	20 18	20 32	7 48	17 16	5 28
S 22	0 43	13 22	4 44	6 48	0 50	7 45	1 23	7 49	1 6	22 31	0 32	7 17	1 48	20 35	0 37	7 7	1 46	23 28	8 36	20 17	20 32	7 45	17 17	5 28
M23	1 7	9 42	5 0	7 2	0 35	7 17	1 23	7 31	1 6	22 31	0 32	7 14	1 48	20 35	0 37	7 7	1 46	23 28	8 37	20 15	20 31	7 43	17 17	5 28
T 24	1 31	5 40	5 4	7 13	0 21	6 49	1 24	7 12	1 6	22 31	0 32	7 11	1 48	20 35	0 37	7 6	1 46	23 28	8 37	20 13	20 31	7 41	17 18	5 27
W25	1 54	1 24	4 54	7 21	0 7	6 21	1 25	6 54	1 6	22 31	0 32	7 9	1 48	20 35	0 37	7 6	1 46	23 27	8 37	20 11	20 30	7 38	17 18	5 27
T 26	2 18	2n58	4 31	7 27	0s 6	5 53	1 26	6 36	1 5	22 31	0 32	7 6	1 48	20 36	0 37	7 5	1 46	23 27	8 37	20 8	20 29	7 36	17 19	5 27
F 27	2 41	7 15	3 56	7 31	0 19	5 24	1 27	6 17	1 5	22 30	0 32	7 3	1 48	20 36	0 37	7 5	1 46	23 27	8 37	20 6	20 29	7 34	17 20	5 26
S 28	3 5	11 17	3 9	7 33	0 32	4 56	1 27	5 59	1 5	22 30	0 32	7 1	1 48	20 36	0 37	7 4	1 46	23 27	8 38	20 5	20 28	7 32	17 20	5 26
S 29	3 28	14 54	2 13	7 32	0 44	4 27	1 28	5 40	1 5	22 30	0 32	6 58	1 49	20 36	0 37	7 3	1 46	23 27	8 38	20 4	20 27	7 29	17 21	5 26
M30	3 51	17 53	1 9	7 29	0 55	3 58	1 28	5 22	1 5	22 29	0 32	6 55	1 49	20 36	0 37	7 3	1 46	23 26	8 38	20 3	20 27	7 27	17 21	5 25
T 31	4n15	20n 1	0n 1	7s24	1s 6	3s29	1s29	5s 3	1s 5	22n29	0n32	6s53	1s49	20n36	0n37	7s 2	1n46	23s26	8s38	20s 3	20s26	7s25	17n22	5s25

Julian Day Number = 2374538.5, Delta T = 21.78 sec
Ecliptic obliquity = 23°27'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°47'48, Lahiri = 20°54'48Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

APRIL 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 39 4	11♈41'30	12♊15	14♓31	25♓54	20♓32	20♋11	16♓56	0°R47	22°R13	18♒42	29♏25	1♐12	27♒57	16♊20	W 1
T 2	12 43 1	12°40'34	25°31	15°18	27° 8	21°19	20°15	17° 3	0♌46	22♎12	18°43	29°26	1° 9	28° 4	16°23	T 2
F 3	12 46 57	13°39'36	9♋ 5	16° 8	28°22	22° 6	20°18	17°10	0°46	22°10	18°44	29°R27	1° 6	28°11	16°26	F 3
S 4	12 50 54	14°38'35	22°59	17° 1	29°36	22°52	20°22	17°17	0°46	22° 8	18°45	29°27	1° 2	28°18	16°30	S 4
S 5	12 54 50	15°37'33	7♌12	17°57	0♈50	23°39	20°25	17°23	0°46	22° 7	18°46	29°25	0°59	28°24	16°33	S 5
M 6	12 58 47	16°36'27	21°42	18°56	2° 4	24°26	20°29	17°30	0°46	22° 5	18°47	29°21	0°56	28°31	16°36	M 6
T 7	13 2 44	17°35'20	6♍26	19°58	3°18	25°13	20°33	17°37	0°45	22° 4	18°48	29°16	0°53	28°38	16°40	T 7
W 8	13 6 40	18°34'10	21°18	21° 2	4°32	25°59	20°37	17°44	0°D45	22° 2	18°49	29°10	0°50	28°44	16°43	W 8
T 9	13 10 37	19°32'58	6♎ 9	22° 9	5°46	26°46	20°42	17°50	0°46	22° 0	18°50	29° 3	0°47	28°51	16°47	T 9
F 10	13 14 33	20°31'44	20°52	23°19	7° 0	27°33	20°46	17°57	0°46	21°59	18°51	28°58	0°43	28°58	16°50	F 10
S 11	13 18 30	21°30'28	5♏18	24°30	8°14	28°19	20°51	18° 4	0°46	21°57	18°52	28°55	0°40	29° 5	16°54	S 11
S 12	13 22 26	22°29'10	19°21	25°44	9°28	29° 6	20°56	18°10	0°46	21°55	18°53	28°53	0°37	29°11	16°58	S 12
M13	13 26 23	23°27'51	3♐ 0	27° 0	10°42	29°52	21° 1	18°17	0°46	21°54	18°54	28°D52	0°34	29°18	17° 1	M13
T 14	13 30 19	24°26'29	16°14	28°19	11°56	0♈39	21° 6	18°23	0°47	21°52	18°55	28°53	0°31	29°25	17° 5	T 14
W15	13 34 16	25°25'06	29° 3	29°39	13°10	1°25	21°12	18°29	0°47	21°50	18°56	28°55	0°28	29°32	17° 9	W15
T 16	13 38 13	26°23'41	11♑32	1♈ 1	14°24	2°12	21°17	18°36	0°47	21°49	18°57	28°56	0°24	29°38	17°13	T 16
F 17	13 42 9	27°22'15	23°45	2°25	15°38	2°58	21°23	18°42	0°48	21°47	18°58	28°R57	0°21	29°45	17°17	F 17
S 18	13 46 6	28°20'47	5♒46	3°52	16°52	3°44	21°29	18°48	0°48	21°45	18°59	28°57	0°18	29°52	17°21	S 18
S 19	13 50 2	29°19'17	17°40	5°20	18° 6	4°31	21°35	18°55	0°49	21°44	18°59	28°56	0°15	29°58	17°25	S 19
M20	13 53 59	0♉17'45	29°32	6°50	19°20	5°17	21°41	19° 1	0°50	21°42	19° 0	28°53	0°12	0♓ 5	17°29	M20
T 21	13 57 55	1°16'12	11♓26	8°21	20°34	6° 3	21°47	19° 7	0°50	21°41	19° 1	28°49	0° 8	0°12	17°33	T 21
W22	14 1 52	2°14'37	23°25	9°55	21°48	6°50	21°53	19°13	0°51	21°39	19° 2	28°45	0° 5	0°19	17°38	W22
T 23	14 5 48	3°13'01	5♈32	11°30	23° 2	7°36	22° 0	19°19	0°52	21°37	19° 2	28°40	0° 2	0°25	17°42	T 23
F 24	14 9 45	4°11'22	17°50	13° 7	24°16	8°22	22° 7	19°25	0°53	21°36	19° 3	28°36	29♏59	0°32	17°46	F 24
S 25	14 13 41	5° 9'42	0♉20	14°46	25°30	9° 8	22°14	19°31	0°54	21°34	19° 4	28°33	29°56	0°39	17°51	S 25
S 26	14 17 38	6° 8'01	13° 2	16°27	26°44	9°54	22°20	19°37	0°55	21°33	19° 4	28°31	29°53	0°46	17°55	S 26
M27	14 21 35	7° 6'17	25°57	18° 9	27°58	10°40	22°28	19°43	0°56	21°31	19° 5	28°D30	29°49	0°52	17°59	M27
T 28	14 25 31	8° 4'32	9♊ 6	19°54	29°12	11°26	22°35	19°48	0°57	21°29	19° 6	28°31	29°46	0°59	18° 4	T 28
W29	14 29 28	9° 2'45	22°27	21°40	0♉26	12°12	22°42	19°54	0°58	21°28	19° 6	28°32	29°43	1° 6	18° 9	W29
T 30	14 33 24	10♉ 0'55	6♋ 1	23♈28	1♉40	12♈58	22♋50	20♓ 0	0♌59	21♎26	19♒ 7	28♏33	29♏40	1♓12	18♊13	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
W 1	4n38	21n 9	1s 9	7s16	1s16	3s 0	1s29	4s45	1s 5	22n28	0n32	6s50	1s49	20n36	0n37	7s 1	1n46	23s26	8s39	20s 3	20s25	7s22	17n23	5s25
T 2	5 1	21 7	2 16	7 7	1 26	2 30	1 29	4 26	1 4	22 28	0 32	6 48	1 49	20 36	0 37	7 1	1 46	23 26	8 39	20 3	20 25	7 20	17 23	5 25
F 3	5 24	19 52	3 18	6 56	1 35	2 1	1 29	4 7	1 4	22 27	0 32	6 45	1 49	20 36	0 37	7 0	1 46	23 26	8 39	20 3	20 24	7 18	17 24	5 24
S 4	5 47	17 25	4 9	6 43	1 43	1 32	1 29	3 49	1 4	22 27	0 32	6 42	1 49	20 36	0 37	7 0	1 46	23 26	8 39	20 3	20 23	7 15	17 24	5 24
S 5	6 9	13 52	4 46	6 29	1 51	1 2	1 29	3 30	1 4	22 26	0 32	6 40	1 49	20 36	0 37	6 59	1 46	23 26	8 40	20 3	20 23	7 13	17 25	5 24
M 6	6 32	9 27	5 6	6 12	1 59	0 33	1 29	3 11	1 4	22 26	0 32	6 37	1 49	20 36	0 36	6 58	1 46	23 25	8 40	20 2	20 22	7 11	17 26	5 23
T 7	6 55	4 24	5 7	5 54	2 5	0 3	1 29	2 53	1 3	22 25	0 32	6 35	1 50	20 36	0 36	6 58	1 46	23 25	8 40	20 1	20 21	7 8	17 26	5 23
W 8	7 17	0s56	4 47	5 34	2 11	0n26	1 29	2 34	1 3	22 24	0 32	6 32	1 50	20 36	0 36	6 57	1 46	23 25	8 40	20 0	20 21	7 6	17 27	5 23
T 9	7 39	6 14	4 7	5 13	2 17	0 56	1 29	2 15	1 3	22 24	0 32	6 30	1 50	20 36	0 36	6 57	1 46	23 25	8 41	19 58	20 20	7 4	17 27	5 23
F 10	8 2	11 7	3 12	4 50	2 22	1 25	1 29	1 56	1 3	22 23	0 32	6 27	1 50	20 36	0 36	6 56	1 46	23 25	8 41	19 57	20 19	7 1	17 28	5 22
S 11	8 24	15 16	2 5	4 25	2 26	1 55	1 28	1 38	1 3	22 22	0 32	6 25	1 50	20 36	0 36	6 55	1 46	23 25	8 41	19 56	20 19	6 59	17 29	5 22
S 12	8 46	18 25	0 52	3 59	2 30	2 24	1 28	1 19	1 2	22 22	0 32	6 22	1 50	20 36	0 36	6 55	1 46	23 25	8 41	19 56	20 18	6 57	17 29	5 22
M13	9 7	20 25	0n23	3 32	2 33	2 54	1 28	1 0	1 2	22 21	0 32	6 20	1 50	20 36	0 36	6 54	1 46	23 25	8 42	19 56	20 17	6 54	17 30	5 22
T 14	9 29	21 12	1 33	3 3	2 36	3 23	1 27	0 41	1 2	22 20	0 32	6 18	1 51	20 36	0 36	6 53	1 46	23 25	8 42	19 56	20 17	6 52	17 30	5 21
W15	9 50	20 50	2 37	2 33	2 38	3 53	1 27	0 23	1 2	22 19	0 32	6 15	1 51	20 36	0 36	6 53	1 46	23 25	8 42	19 56	20 16	6 50	17 31	5 21
T 16	10 12	19 27	3 32	2 2	2 40	4 22	1 26	0 4	1 1	22 18	0 32	6 13	1 51	20 36	0 36	6 52	1 46	23 25	8 42	19 57	20 15	6 47	17 32	5 21
F 17	10 33	17 10	4 16	1 30	2 41	4 51	1 25	0n15	1 1	22 18	0 32	6 11	1 51	20 35	0 36	6 52	1 46	23 25	8 43	19 57	20 15	6 45	17 32	5 21
S 18	10 54	14 12	4 48	0 56	2 41	5 20	1 24	0 34	1 1	22 17	0 32	6 8	1 51	20 35	0 36	6 51	1 46	23 25	8 43	19 57	20 14	6 43	17 33	5 20
S 19	11 15	10 41	5 7	0 21	2 41	5 49	1 24	0 52	1 0	22 16	0 32	6 6	1 51	20 35	0 36	6 50	1 46	23 25	8 43	19 56	20 13	6 40	17 33	5 20
M20	11 35	6 46	5 13	0n15	2 41	6 18	1 23	1 11	1 0	22 15	0 32	6 4	1 51	20 35	0 36	6 50	1 46	23 25	8 44	19 56	20 13	6 38	17 34	5 20
T 21	11 56	2 35	5 5	0 53	2 39	6 47	1 22	1 30	1 0	22 14	0 32	6 1	1 52	20 35	0 36	6 49	1 46	23 25	8 44	19 55	20 12	6 36	17 35	5 20
W22	12 16	1n44	4 44	1 31	2 38	7 15	1 21	1 48	0 59	22 13	0 32	5 59	1 52	20 35	0 36	6 49	1 46	23 25	8 44	19 54	20 11	6 33	17 35	5 20
T 23	12 36	6 2	4 11	2 10	2 35	7 44	1 20	2 7	0 59	22 12	0 32	5 57	1 52	20 34	0 36	6 48	1 46	23 25	8 44	19 53	20 11	6 31	17 36	5 19
F 24	12 56	10 10	3 25	2 50	2 33	8 12	1 19	2 25	0 59	22 11	0 32	5 55	1 52	20 34	0 36	6 47	1 46	23 25	8 45	19 52	20 10	6 29	17 36	5 19
S 25	13 15	13 55	2 29	3 32	2 29	8 40	1 17	2 44	0 58	22 9	0 32	5 53	1 52	20 34	0 36	6 47	1 46	23 25	8 45	19 52	20 9	6 26	17 37	5 19
S 26	13 35	17 6	1 24	4 14	2 26	9 8	1 16	3 2	0 58	22 8	0 32	5 50	1 53	20 34	0 36	6 46	1 46	23 25	8 45	19 51	20 9	6 24	17 37	5 19
M27	13 54	19 30	0 14	4 57	2 21	9 36	1 15	3 21	0 58	22 7	0 32	5 48	1 53	20 33	0 36	6 46	1 46	23 25	8 46	19 51	20 8	6 22	17 38	5 19
T 28	14 13	20 53	0s58	5 41	2 16	10 3	1 13	3 39	0 57	22 6	0 32	5 46	1 53	20 33	0 36	6 45	1 46	23 25	8 46	19 51	20 7	6 19	17 39	5 18
W29	14 32	21 7	2 8	6 26	2 11	10 31	1 12	3 57	0 57	22 5	0 32	5 44	1 53	20 33	0 36	6 45	1 46	23 25	8 46	19 51	20 7	6 17	17 39	5 18
T 30	14n50	20n 8	3s12	7n11	2s 5	10n58	1s11	4n15	0s57	22n 4	0n32	5s42	1s53	20n33	0n36	6s44	1n46	23s25	8s46	19s51	20s 6	6s15	17n40	5s18

Julian Day Number = 2374569.5, Delta T = 21.76 sec
Ecliptic obliquity = 23°27'56, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°47'52, Lahiri = 20°54'52Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

MAY 1789

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 37 21	10♉59'04	19♋47	25♈17	2♉54	13♈44	22♋57	20♓ 5	1♌ 0	21°R25	19♒ 7	28♏34	29♏37	1♓19	18♊18	F 1
S 2	14 41 17	11°57'11	3♌45	27° 9	4° 8	14°30	23° 5	20°11	1° 1	21♎23	19° 8	28°35	29°34	1°26	18°22	S 2
S 3	14 45 14	12°55'16	17°53	29° 2	5°21	15°16	23°13	20°16	1° 3	21°22	19° 8	28°R35	29°30	1°33	18°27	S 3
M 4	14 49 10	13°53'19	2♍11	0♉57	6°35	16° 1	23°21	20°21	1° 4	21°20	19° 8	28°34	29°27	1°39	18°32	M 4
T 5	14 53 7	14°51'20	16°34	2°54	7°49	16°47	23°29	20°27	1° 6	21°19	19° 9	28°33	29°24	1°46	18°37	T 5
W 6	14 57 4	15°49'19	1♎ 0	4°53	9° 3	17°33	23°38	20°32	1° 7	21°17	19° 9	28°32	29°21	1°53	18°41	W 6
T 7	15 1 0	16°47'16	15°23	6°53	10°17	18°18	23°46	20°37	1° 9	21°16	19°10	28°30	29°18	1°59	18°46	T 7
F 8	15 4 57	17°45'11	29°39	8°56	11°31	19° 4	23°55	20°42	1°10	21°14	19°10	28°29	29°14	2° 6	18°51	F 8
S 9	15 8 53	18°43'05	13♍42	10°59	12°44	19°49	24° 3	20°47	1°12	21°13	19°10	28°28	29°11	2°13	18°56	S 9
S 10	15 12 50	19°40'57	27°30	13° 5	13°58	20°35	24°12	20°52	1°13	21°12	19°10	28°D28	29° 8	2°20	19° 1	S 10
M11	15 16 46	20°38'48	10♐58	15°11	15°12	21°20	24°21	20°57	1°15	21°10	19°11	28°28	29° 5	2°26	19° 6	M11
T 12	15 20 43	21°36'37	24° 6	17°19	16°26	22° 6	24°30	21° 2	1°17	21° 9	19°11	28°29	29° 2	2°33	19°11	T 12
W13	15 24 39	22°34'26	6♑55	19°28	17°40	22°51	24°39	21° 7	1°19	21° 8	19°11	28°29	28°59	2°40	19°16	W13
T 14	15 28 36	23°32'13	19°25	21°38	18°53	23°36	24°48	21°11	1°21	21° 6	19°11	28°30	28°55	2°47	19°21	T 14
F 15	15 32 33	24°29'58	1♒40	23°49	20° 7	24°22	24°57	21°16	1°22	21° 5	19°11	28°30	28°52	2°53	19°26	F 15
S 16	15 36 29	25°27'43	13°43	26° 0	21°21	25° 7	25° 7	21°21	1°24	21° 4	19°11	28°30	28°49	3° 0	19°31	S 16
S 17	15 40 26	26°25'26	25°39	28°12	22°35	25°52	25°16	21°25	1°26	21° 2	19°12	28°R31	28°46	3° 7	19°37	S 17
M18	15 44 22	27°23'08	7♓33	0♊23	23°49	26°37	25°26	21°29	1°28	21° 1	19°12	28°31	28°43	3°13	19°42	M18
T 19	15 48 19	28°20'50	19°28	2°34	25° 2	27°22	25°36	21°34	1°30	21° 0	19°12	28°D30	28°40	3°20	19°47	T 19
W20	15 52 15	29°18'30	1♈29	4°45	26°16	28° 7	25°45	21°38	1°33	20°59	19°R12	28°31	28°36	3°27	19°52	W20
T 21	15 56 12	0♊16'09	13°40	6°55	27°30	28°52	25°55	21°42	1°35	20°57	19°12	28°31	28°33	3°34	19°57	T 21
F 22	16 0 8	1°13'47	26° 5	9° 3	28°44	29°37	26° 5	21°46	1°37	20°56	19°12	28°31	28°30	3°40	20° 3	F 22
S 23	16 4 5	2°11'24	8♉46	11°10	29°57	0♉22	26°15	21°50	1°39	20°55	19°12	28°31	28°27	3°47	20° 8	S 23
S 24	16 8 2	3° 9'00	21°44	13°16	1♊11	1° 6	26°26	21°54	1°41	20°54	19°11	28°31	28°24	3°54	20°13	S 24
M25	16 11 58	4° 6'35	5♊ 0	15°20	2°25	1°51	26°36	21°58	1°44	20°53	19°11	28°R31	28°20	4° 0	20°19	M25
T 26	16 15 55	5° 4'09	18°32	17°22	3°39	2°36	26°46	22° 2	1°46	20°52	19°11	28°31	28°17	4° 7	20°24	T 26
W27	16 19 51	6° 1'41	2♋20	19°21	4°52	3°20	26°57	22° 5	1°49	20°51	19°11	28°30	28°14	4°14	20°29	W27
T 28	16 23 48	6°59'13	16°19	21°19	6° 6	4° 5	27° 7	22° 9	1°51	20°50	19°11	28°30	28°11	4°21	20°35	T 28
F 29	16 27 44	7°56'43	0♌28	23°14	7°20	4°50	27°18	22°12	1°54	20°49	19°11	28°29	28° 8	4°27	20°40	F 29
S 30	16 31 41	8°54'12	14°42	25° 6	8°34	5°34	27°29	22°16	1°56	20°48	19°10	28°28	28° 5	4°34	20°46	S 30
S 31	16 35 37	9♊51'40	28♌57	26♊56	9♊47	6♉18	27♋39	22♓19	1♌59	20♎47	19♒10	28♏27	28♏ 1	4♓41	20♊51	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	15n 8	17n56	4s 6	7n57	1s59	11n24	1s 9	4n34	0s56	22n 2	0n32	5s40	1s53	20n32	0n36	6s43	1n46	23s26	8s47	19s52	20s 5	6s12	17n40	5s18
S 2	15 26	14 41	4 47	8 44	1 52	11 51	1 8	4 52	0 56	22 1	0 32	5 38	1 54	20 32	0 36	6 43	1 46	23 26	8 47	19 52	20 5	6 10	17 41	5 18
S 3	15 44	10 33	5 10	9 31	1 45	12 17	1 6	5 10	0 56	22 0	0 32	5 36	1 54	20 32	0 36	6 42	1 46	23 26	8 47	19 52	20 4	6 8	17 41	5 18
M 4	16 1	5 48	5 15	10 18	1 37	12 43	1 4	5 28	0 55	21 58	0 32	5 34	1 54	20 31	0 36	6 42	1 46	23 26	8 48	19 52	20 3	6 5	17 42	5 17
T 5	16 19	0 41	5 0	11 6	1 29	13 9	1 3	5 46	0 55	21 57	0 32	5 32	1 54	20 31	0 36	6 41	1 46	23 26	8 48	19 52	20 3	6 3	17 42	5 17
W 6	16 36	4s28	4 27	11 54	1 20	13 34	1 1	6 3	0 54	21 55	0 32	5 30	1 54	20 31	0 36	6 41	1 46	23 26	8 48	19 51	20 2	6 1	17 43	5 17
T 7	16 52	9 23	3 36	12 43	1 11	13 59	0 59	6 21	0 54	21 54	0 32	5 29	1 55	20 30	0 36	6 40	1 46	23 26	8 48	19 51	20 1	5 58	17 43	5 17
F 8	17 9	13 44	2 33	13 31	1 2	14 24	0 57	6 39	0 53	21 53	0 32	5 27	1 55	20 30	0 36	6 40	1 46	23 27	8 49	19 51	20 1	5 56	17 44	5 17
S 9	17 25	17 15	1 21	14 19	0 52	14 48	0 56	6 57	0 53	21 51	0 32	5 25	1 55	20 30	0 36	6 39	1 46	23 27	8 49	19 50	20 0	5 54	17 44	5 17
S 10	17 40	19 43	0 5	15 7	0 42	15 12	0 54	7 14	0 53	21 50	0 32	5 23	1 55	20 29	0 36	6 39	1 46	23 27	8 49	19 50	19 59	5 51	17 45	5 17
M11	17 56	20 59	1n 9	15 54	0 32	15 35	0 52	7 32	0 52	21 48	0 32	5 21	1 55	20 29	0 36	6 38	1 46	23 27	8 50	19 50	19 59	5 49	17 45	5 17
T 12	18 11	21 3	2 17	16 41	0 22	15 58	0 50	7 49	0 52	21 46	0 32	5 20	1 56	20 28	0 36	6 38	1 46	23 27	8 50	19 51	19 58	5 47	17 46	5 16
W13	18 26	20 0	3 17	17 26	0 11	16 21	0 48	8 6	0 51	21 45	0 32	5 18	1 56	20 28	0 36	6 37	1 46	23 28	8 50	19 51	19 57	5 44	17 46	5 16
T 14	18 41	18 0	4 6	18 11	0 1	16 44	0 46	8 23	0 51	21 43	0 32	5 16	1 56	20 28	0 36	6 37	1 45	23 28	8 51	19 51	19 56	5 42	17 47	5 16
F 15	18 55	15 13	4 43	18 55	0n10	17 6	0 44	8 40	0 50	21 42	0 32	5 15	1 56	20 27	0 35	6 36	1 45	23 28	8 51	19 51	19 56	5 40	17 47	5 16
S 16	19 9	11 50	5 7	19 37	0 20	17 27	0 42	8 57	0 50	21 40	0 32	5 13	1 56	20 27	0 35	6 36	1 45	23 28	8 51	19 51	19 55	5 37	17 48	5 16
S 17	19 23	8 1	5 17	20 17	0 31	17 48	0 39	9 14	0 49	21 38	0 32	5 12	1 57	20 26	0 35	6 35	1 45	23 29	8 51	19 51	19 54	5 35	17 48	5 16
M18	19 36	3 54	5 13	20 55	0 41	18 9	0 37	9 31	0 49	21 36	0 32	5 10	1 57	20 26	0 35	6 35	1 45	23 29	8 52	19 51	19 54	5 33	17 49	5 16
T 19	19 49	0n22	4 56	21 32	0 51	18 29	0 35	9 48	0 48	21 35	0 32	5 9	1 57	20 25	0 35	6 35	1 45	23 29	8 52	19 51	19 53	5 30	17 49	5 16
W20	20 1	4 40	4 26	22 6	1 0	18 48	0 33	10 4	0 48	21 33	0 32	5 7	1 57	20 25	0 35	6 34	1 45	23 29	8 52	19 51	19 52	5 28	17 50	5 16
T 21	20 14	8 50	3 44	22 38	1 9	19 7	0 31	10 21	0 47	21 31	0 32	5 6	1 58	20 24	0 35	6 34	1 45	23 30	8 53	19 51	19 52	5 26	17 50	5 16
F 22	20 26	12 44	2 50	23 7	1 18	19 26	0 28	10 37	0 47	21 29	0 32	5 4	1 58	20 24	0 35	6 33	1 45	23 30	8 53	19 51	19 51	5 23	17 51	5 16
S 23	20 37	16 8	1 47	23 33	1 26	19 44	0 26	10 53	0 46	21 27	0 32	5 3	1 58	20 23	0 35	6 33	1 45	23 30	8 53	19 51	19 50	5 21	17 51	5 16
S 24	20 49	18 49	0 38	23 57	1 33	20 2	0 24	11 9	0 46	21 25	0 32	5 2	1 58	20 23	0 35	6 32	1 45	23 31	8 53	19 51	19 49	5 19	17 51	5 16
M25	20 59	20 34	0s36	24 19	1 40	20 19	0 22	11 25	0 45	21 23	0 32	5 0	1 59	20 22	0 35	6 32	1 45	23 31	8 54	19 51	19 49	5 17	17 52	5 16
T 26	21 10	21 10	1 49	24 37	1 46	20 35	0 19	11 41	0 45	21 21	0 33	4 59	1 59	20 22	0 35	6 32	1 45	23 31	8 54	19 51	19 48	5 14	17 52	5 16
W27	21 20	20 30	2 56	24 53	1 51	20 51	0 17	11 57	0 44	21 19	0 33	4 58	1 59	20 21	0 35	6 31	1 45	23 32	8 54	19 51	19 47	5 12	17 53	5 16
T 28	21 30	18 35	3 55	25 7	1 56	21 7	0 15	12 12	0 44	21 17	0 33	4 57	1 59	20 20	0 35	6 31	1 45	23 32	8 55	19 51	19 47	5 10	17 53	5 16
F 29	21 39	15 31	4 39	25 17	2 0	21 21	0 12	12 28	0 43	21 15	0 33	4 55	1 59	20 20	0 35	6 31	1 45	23 32	8 55	19 51	19 46	5 7	17 53	5 16
S 30	21 48	11 32	5 7	25 25	2 3	21 36	0 10	12 43	0 43	21 13	0 33	4 54	2 0	20 19	0 35	6 30	1 45	23 33	8 55	19 50	19 45	5 5	17 54	5 16
S 31	21n57	6n54	5s16	25n31	2n 5	21n49	0s 8	12n59	0s42	21n11	0n33	4s53	2s 0	20n19	0n35	6s30	1n45	23s33	8s56	19s50	19s44	5s 3	17n54	5s16

Julian Day Number = 2374599.5, Delta T = 21.75 sec
Ecliptic obliquity = 23°27'55, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°47'56, Lahiri = 20°54'57Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

JUNE 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 39 34	10♊49'06	13♍12	28♊44	11♊ 1	7♉ 3	27♋50	22♓22	2♌ 1	20°R46	19°R10	28°D27	27♏58	4♓48	20♊56	M 1
T 2	16 43 31	11°46'31	27°23	0♋29	12°15	7°47	28° 1	22°25	2° 4	20♎45	19♒ 9	28♏27	27°55	4°54	21° 2	T 2
W 3	16 47 27	12°43'55	11♎29	2°11	13°29	8°31	28°12	22°28	2° 7	20°44	19° 9	28°28	27°52	5° 1	21° 7	W 3
T 4	16 51 24	13°41'17	25°26	3°50	14°42	9°15	28°23	22°31	2° 9	20°43	19° 9	28°29	27°49	5° 8	21°13	T 4
F 5	16 55 20	14°38'39	9♏14	5°27	15°56	9°59	28°34	22°34	2°12	20°42	19° 8	28°30	27°45	5°14	21°18	F 5
S 6	16 59 17	15°36'00	22°51	7° 1	17°10	10°43	28°46	22°37	2°15	20°42	19° 8	28°R31	27°42	5°21	21°24	S 6
S 7	17 3 13	16°33'20	6♐14	8°32	18°23	11°27	28°57	22°40	2°18	20°41	19° 7	28°31	27°39	5°28	21°29	S 7
M 8	17 7 10	17°30'39	19°24	10° 0	19°37	12°11	29° 8	22°42	2°20	20°40	19° 7	28°30	27°36	5°35	21°35	M 8
T 9	17 11 7	18°27'57	2♑19	11°26	20°51	12°55	29°20	22°45	2°23	20°39	19° 6	28°28	27°33	5°41	21°40	T 9
W10	17 15 3	19°25'15	14°58	12°49	22° 5	13°39	29°31	22°47	2°26	20°39	19° 6	28°25	27°30	5°48	21°46	W10
T 11	17 19 0	20°22'32	27°24	14° 9	23°18	14°23	29°43	22°50	2°29	20°38	19° 5	28°22	27°26	5°55	21°51	T 11
F 12	17 22 56	21°19'49	9♒37	15°25	24°32	15° 6	29°54	22°52	2°32	20°37	19° 5	28°18	27°23	6° 2	21°57	F 12
S 13	17 26 53	22°17'05	21°39	16°39	25°46	15°50	0♌ 6	22°54	2°35	20°37	19° 4	28°15	27°20	6° 8	22° 2	S 13
S 14	17 30 49	23°14'21	3♓35	17°50	26°59	16°34	0°18	22°56	2°38	20°36	19° 4	28°13	27°17	6°15	22° 8	S 14
M15	17 34 46	24°11'36	15°29	18°58	28°13	17°17	0°30	22°58	2°41	20°36	19° 3	28°11	27°14	6°22	22°14	M15
T 16	17 38 42	25° 8'51	27°23	20° 3	29°27	18° 1	0°42	23° 0	2°44	20°35	19° 2	28°D11	27°11	6°28	22°19	T 16
W17	17 42 39	26° 6'07	9♈24	21° 4	0♋40	18°44	0°53	23° 1	2°47	20°35	19° 2	28°12	27° 7	6°35	22°25	W17
T 18	17 46 35	27° 3'21	21°36	22° 3	1°54	19°27	1° 5	23° 3	2°51	20°34	19° 1	28°13	27° 4	6°42	22°30	T 18
F 19	17 50 32	28° 0'36	4♉ 3	22°57	3° 8	20°11	1°18	23° 5	2°54	20°34	19° 0	28°15	27° 1	6°49	22°36	F 19
S 20	17 54 29	28°57'51	16°49	23°49	4°22	20°54	1°30	23° 6	2°57	20°33	18°59	28°16	26°58	6°55	22°41	S 20
S 21	17 58 25	29°55'05	29°58	24°36	5°35	21°37	1°42	23° 7	3° 0	20°33	18°59	28°R16	26°55	7° 2	22°47	S 21
M22	18 2 22	0♋52'20	13♊29	25°20	6°49	22°20	1°54	23° 9	3° 3	20°33	18°58	28°15	26°51	7° 9	22°52	M22
T 23	18 6 18	1°49'34	27°22	26° 0	8° 3	23° 3	2° 6	23°10	3° 7	20°33	18°57	28°13	26°48	7°15	22°58	T 23
W24	18 10 15	2°46'48	11♋35	26°36	9°17	23°46	2°18	23°11	3°10	20°32	18°56	28° 9	26°45	7°22	23° 3	W24
T 25	18 14 11	3°44'02	26° 2	27° 8	10°30	24°29	2°31	23°12	3°13	20°32	18°55	28° 4	26°42	7°29	23° 9	T 25
F 26	18 18 8	4°41'15	10♌38	27°36	11°44	25°12	2°43	23°13	3°17	20°32	18°55	27°59	26°39	7°36	23°14	F 26
S 27	18 22 5	5°38'28	25°15	28° 0	12°58	25°54	2°56	23°13	3°20	20°32	18°54	27°54	26°36	7°42	23°20	S 27
S 28	18 26 1	6°35'41	9♍47	28°19	14°11	26°37	3° 8	23°14	3°23	20°32	18°53	27°50	26°32	7°49	23°25	S 28
M29	18 29 58	7°32'53	24°10	28°34	15°25	27°20	3°21	23°15	3°27	20°31	18°52	27°48	26°29	7°56	23°30	M29
T 30	18 33 54	8♋30'05	8♎20	28♋44	16♋39	28♉ 2	3♌33	23♓15	3♌30	20♎31	18♒51	27°D47	26♏26	8♓ 3	23♊36	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22n 5	1n54	5s 6	25n34	2n 7	22n 2	0s 5	13n14	0s41	21n 9	0n33	4s52	2s 0	20n18	0n35	6s30	1n45	23s33	8s56	19s50	19s44	5s 0	17n54	5s16	M 1
T 2	22 13	3s12	4 37	25 36	2 8	22 14	0 3	13 29	0 41	21 7	0 33	4 51	2 0	20 18	0 35	6 29	1 45	23 34	8 56	19 50	19 43	4 58	17 55	5 16	T 2
W 3	22 21	8 6	3 51	25 35	2 8	22 26	0 0	13 43	0 40	21 5	0 33	4 50	2 1	20 17	0 35	6 29	1 45	23 34	8 56	19 50	19 42	4 56	17 55	5 16	W 3
T 4	22 28	12 32	2 53	25 31	2 7	22 37	0n 2	13 58	0 40	21 2	0 33	4 49	2 1	20 16	0 35	6 29	1 45	23 34	8 57	19 51	19 42	4 53	17 55	5 16	T 4
F 5	22 35	16 14	1 44	25 27	2 5	22 48	0 4	14 12	0 39	21 0	0 33	4 48	2 1	20 16	0 35	6 29	1 45	23 35	8 57	19 51	19 41	4 51	17 56	5 16	F 5
S 6	22 41	19 0	0 31	25 20	2 3	22 57	0 7	14 27	0 39	20 58	0 33	4 47	2 1	20 15	0 35	6 28	1 45	23 35	8 57	19 51	19 40	4 49	17 56	5 16	S 6
S 7	22 47	20 41	0n43	25 11	2 0	23 7	0 9	14 41	0 38	20 56	0 33	4 47	2 2	20 14	0 35	6 28	1 45	23 36	8 57	19 51	19 39	4 46	17 56	5 16	S 7
M 8	22 53	21 10	1 53	25 1	1 56	23 15	0 12	14 55	0 37	20 53	0 33	4 46	2 2	20 14	0 35	6 28	1 45	23 36	8 58	19 51	19 39	4 44	17 57	5 16	M 8
T 9	22 58	20 31	2 56	24 50	1 52	23 23	0 14	15 9	0 37	20 51	0 33	4 45	2 2	20 13	0 35	6 28	1 44	23 36	8 58	19 50	19 38	4 42	17 57	5 16	T 9
W10	23 3	18 50	3 48	24 37	1 47	23 30	0 16	15 23	0 36	20 49	0 33	4 44	2 2	20 12	0 35	6 27	1 44	23 37	8 58	19 50	19 37	4 39	17 57	5 16	W10
T 11	23 7	16 18	4 29	24 23	1 41	23 36	0 19	15 36	0 36	20 46	0 33	4 44	2 3	20 12	0 35	6 27	1 44	23 37	8 59	19 49	19 37	4 37	17 58	5 16	T 11
F 12	23 11	13 5	4 57	24 8	1 34	23 42	0 21	15 50	0 35	20 44	0 33	4 43	2 3	20 11	0 35	6 27	1 44	23 38	8 59	19 48	19 36	4 35	17 58	5 16	F 12
S 13	23 14	9 23	5 12	23 52	1 27	23 47	0 23	16 3	0 34	20 41	0 33	4 42	2 3	20 10	0 35	6 27	1 44	23 38	8 59	19 48	19 35	4 32	17 58	5 16	S 13
S 14	23 18	5 21	5 12	23 35	1 19	23 51	0 25	16 16	0 34	20 39	0 33	4 42	2 3	20 10	0 35	6 27	1 44	23 39	8 59	19 47	19 34	4 30	17 58	5 16	S 14
M15	23 20	1 7	5 0	23 17	1 11	23 55	0 28	16 29	0 33	20 36	0 33	4 41	2 4	20 9	0 35	6 27	1 44	23 39	9 0	19 47	19 34	4 28	17 58	5 16	M15
T 16	23 23	3n 9	4 34	22 59	1 1	23 58	0 30	16 42	0 32	20 34	0 33	4 41	2 4	20 8	0 35	6 26	1 44	23 40	9 0	19 47	19 33	4 25	17 59	5 16	T 16
W17	23 24	7 21	3 56	22 40	0 51	24 0	0 32	16 54	0 32	20 31	0 33	4 40	2 4	20 7	0 35	6 26	1 44	23 40	9 0	19 47	19 32	4 23	17 59	5 16	W17
T 18	23 26	11 19	3 7	22 20	0 41	24 2	0 34	17 7	0 31	20 29	0 33	4 40	2 5	20 7	0 35	6 26	1 44	23 40	9 0	19 47	19 31	4 21	17 59	5 17	T 18
F 19	23 27	14 54	2 9	22 0	0 30	24 2	0 37	17 19	0 30	20 26	0 33	4 40	2 5	20 6	0 35	6 26	1 44	23 41	9 1	19 47	19 31	4 18	17 59	5 17	F 19
S 20	23 28	17 53	1 2	21 40	0 18	24 2	0 39	17 31	0 30	20 23	0 33	4 39	2 5	20 5	0 35	6 26	1 44	23 41	9 1	19 48	19 30	4 16	17 59	5 17	S 20
S 21	23 28	20 1	0s 9	21 20	0 6	24 2	0 41	17 43	0 29	20 21	0 33	4 39	2 5	20 4	0 35	6 26	1 44	23 42	9 1	19 48	19 29	4 14	18 0	5 17	S 21
M22	23 28	21 5	1 22	20 59	0s 7	24 0	0 43	17 55	0 28	20 18	0 33	4 39	2 6	20 4	0 35	6 26	1 44	23 42	9 1	19 48	19 29	4 12	18 0	5 17	M22
T 23	23 27	20 54	2 32	20 39	0 20	23 58	0 45	18 6	0 28	20 15	0 33	4 39	2 6	20 3	0 35	6 26	1 44	23 43	9 2	19 47	19 28	4 9	18 0	5 17	T 23
W24	23 26	19 24	3 34	20 18	0 33	23 56	0 47	18 18	0 27	20 13	0 33	4 38	2 6	20 2	0 35	6 26	1 44	23 43	9 2	19 46	19 27	4 7	18 0	5 17	W24
T 25	23 25	16 39	4 24	19 59	0 48	23 52	0 49	18 29	0 26	20 10	0 33	4 38	2 6	20 1	0 35	6 26	1 44	23 44	9 2	19 45	19 26	4 5	18 0	5 17	T 25
F 26	23 23	12 50	4 56	19 39	1 2	23 48	0 51	18 40	0 26	20 7	0 33	4 38	2 7	20 1	0 35	6 26	1 44	23 44	9 2	19 44	19 26	4 2	18 0	5 18	F 26
S 27	23 21	8 15	5 10	19 20	1 17	23 43	0 53	18 51	0 25	20 4	0 34	4 38	2 7	20 0	0 35	6 26	1 44	23 45	9 3	19 43	19 25	4 0	18 0	5 18	S 27
S 28	23 18	3 13	5 4	19 1	1 32	23 37	0 55	19 2	0 24	20 1	0 34	4 38	2 7	19 59	0 35	6 26	1 44	23 45	9 3	19 42	19 24	3 58	18 1	5 18	S 28
M29	23 15	1s56	4 38	18 43	1 47	23 31	0 57	19 12	0 24	19 58	0 34	4 38	2 7	19 58	0 35	6 26	1 43	23 46	9 3	19 41	19 23	3 55	18 1	5 18	M29
T 30	23n12	6s55	3s56	18n26	2s 3	23n24	0n59	19n22	0s23	19n56	0n34	4s38	2s 8	19n57	0n35	6s26	1n43	23s46	9s 3	19s41	19s23	3s53	18n 1	5s18	T 30

Julian Day Number = 2374630.5, Delta T = 21.74 sec
Ecliptic obliquity = 23°27'55, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'00, Lahiri = 20°55'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

JULY 1789

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 37 51	9♋27'16	22♎15	28♋50	17♋53	28♌45	3♑46	23♓15	3♑34	20°R31	18°R50	27♏48	26♏23	8♓ 9	23♊41	W 1
T 2	18 41 47	10°24'27	5♏56	28°R50	19° 6	29°27	3°58	23°16	3°37	20°D31	18♒49	27°49	26°20	8°16	23°47	T 2
F 3	18 45 44	11°21'38	19°22	28°46	20°20	0♊ 9	4°11	23°16	3°41	20♎31	18°48	27°50	26°17	8°23	23°52	F 3
S 4	18 49 40	12°18'49	2♐35	28°38	21°34	0°52	4°24	23°R16	3°44	20°31	18°47	27°R50	26°13	8°29	23°57	S 4
S 5	18 53 37	13°16'00	15°36	28°25	22°47	1°34	4°36	23°16	3°48	20°32	18°46	27°49	26°10	8°36	24° 3	S 5
M 6	18 57 34	14°13'11	28°24	28° 7	24° 1	2°16	4°49	23°16	3°51	20°32	18°45	27°45	26° 7	8°43	24° 8	M 6
T 7	19 1 30	15°10'22	11♑ 2	27°45	25°15	2°58	5° 2	23°15	3°55	20°32	18°44	27°39	26° 4	8°50	24°13	T 7
W 8	19 5 27	16° 7'33	23°29	27°20	26°29	3°40	5°15	23°15	3°58	20°32	18°43	27°32	26° 1	8°56	24°19	W 8
T 9	19 9 23	17° 4'44	5♒45	26°50	27°42	4°22	5°28	23°15	4° 2	20°32	18°42	27°23	25°57	9° 3	24°24	T 9
F 10	19 13 20	18° 1'56	17°52	26°18	28°56	5° 4	5°41	23°14	4° 5	20°33	18°41	27°14	25°54	9°10	24°29	F 10
S 11	19 17 16	18°59'08	29°51	25°42	0♑10	5°46	5°53	23°13	4° 9	20°33	18°40	27° 5	25°51	9°16	24°35	S 11
S 12	19 21 13	19°56'21	11♓45	25° 5	1°23	6°27	6° 6	23°13	4°13	20°33	18°38	26°58	25°48	9°23	24°40	S 12
M13	19 25 9	20°53'34	23°37	24°25	2°37	7° 9	6°19	23°12	4°16	20°33	18°37	26°52	25°45	9°30	24°45	M13
T 14	19 29 6	21°50'48	5♈30	23°45	3°51	7°51	6°32	23°11	4°20	20°34	18°36	26°48	25°42	9°37	24°50	T 14
W15	19 33 3	22°48'02	17°29	23° 5	5° 5	8°32	6°45	23°10	4°23	20°34	18°35	26°47	25°38	9°43	24°55	W15
T 16	19 36 59	23°45'17	29°38	22°25	6°18	9°14	6°58	23° 9	4°27	20°35	18°34	26°D47	25°35	9°50	25° 0	T 16
F 17	19 40 56	24°42'33	12♉ 4	21°46	7°32	9°55	7°11	23° 7	4°31	20°35	18°33	26°48	25°32	9°57	25° 5	F 17
S 18	19 44 52	25°39'50	24°49	21° 8	8°46	10°36	7°24	23° 6	4°34	20°36	18°31	26°R48	25°29	10° 3	25°10	S 18
S 19	19 48 49	26°37'08	8♊ 0	20°34	9°59	11°18	7°38	23° 5	4°38	20°36	18°30	26°48	25°26	10°10	25°15	S 19
M20	19 52 45	27°34'26	21°37	20° 2	11°13	11°59	7°51	23° 3	4°42	20°37	18°29	26°45	25°23	10°17	25°20	M20
T 21	19 56 42	28°31'45	5♋42	19°34	12°27	12°40	8° 4	23° 2	4°45	20°37	18°28	26°40	25°19	10°24	25°25	T 21
W22	20 0 38	29°29'05	20°12	19°11	13°41	13°21	8°17	23° 0	4°49	20°38	18°27	26°33	25°16	10°30	25°30	W22
T 23	20 4 35	0♑26'26	5♑ 1	18°52	14°54	14° 2	8°30	22°58	4°53	20°39	18°25	26°25	25°13	10°37	25°35	T 23
F 24	20 8 32	1°23'47	20° 1	18°39	16° 8	14°43	8°43	22°56	4°57	20°39	18°24	26°15	25°10	10°44	25°40	F 24
S 25	20 12 28	2°21'09	5♍ 2	18°31	17°22	15°23	8°56	22°54	5° 0	20°40	18°23	26° 6	25° 7	10°51	25°45	S 25
S 26	20 16 25	3°18'32	19°55	18°D28	18°36	16° 4	9°10	22°52	5° 4	20°41	18°21	25°58	25° 3	10°57	25°50	S 26
M27	20 20 21	4°15'55	4♎33	18°32	19°49	16°45	9°23	22°50	5° 8	20°42	18°20	25°53	25° 0	11° 4	25°54	M27
T 28	20 24 18	5°13'18	18°50	18°42	21° 3	17°25	9°36	22°48	5°11	20°43	18°19	25°50	24°57	11°11	25°59	T 28
W29	20 28 14	6°10'43	2♏46	18°58	22°17	18° 6	9°49	22°45	5°15	20°43	18°18	25°D49	24°54	11°17	26° 4	W29
T 30	20 32 11	7° 8'07	16°21	19°21	23°30	18°46	10° 2	22°43	5°19	20°44	18°16	25°49	24°51	11°24	26° 8	T 30
F 31	20 36 7	8♑ 5'33	29♏36	19♋50	24♑44	19♊27	10♑15	22♓40	5♑22	20♎45	18♒15	25°R49	24♏48	11♓31	26♊13	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	23n 8	11s28	3s 1	18n10	2s18	23n16	1n 1	19n32	0s22	19n53	0n34	4s38	2s 8	19n57	0n35	6s26	1n43	23s47	9s 3	19s41	19s22	3s51	18n 1	5s18
T 2	23 3	15 20	1 56	17 54	2 34	23 8	1 2	19 42	0 22	19 50	0 34	4 38	2 8	19 56	0 35	6 26	1 43	23 47	9 4	19 42	19 21	3 48	18 1	5 19
F 3	22 59	18 19	0 46	17 40	2 49	22 59	1 4	19 52	0 21	19 47	0 34	4 39	2 9	19 55	0 35	6 26	1 43	23 48	9 4	19 42	19 20	3 46	18 1	5 19
S 4	22 54	20 17	0n26	17 27	3 4	22 49	1 6	20 1	0 20	19 44	0 34	4 39	2 9	19 54	0 35	6 26	1 43	23 48	9 4	19 42	19 20	3 44	18 1	5 19
S 5	22 48	21 7	1 34	17 16	3 19	22 39	1 7	20 11	0 19	19 41	0 34	4 39	2 9	19 53	0 35	6 26	1 43	23 49	9 4	19 42	19 19	3 41	18 1	5 19
M 6	22 42	20 50	2 37	17 5	3 33	22 28	1 9	20 20	0 19	19 38	0 34	4 39	2 9	19 52	0 35	6 26	1 43	23 50	9 5	19 41	19 18	3 39	18 1	5 20
T 7	22 36	19 30	3 31	16 56	3 46	22 16	1 10	20 29	0 18	19 35	0 34	4 40	2 10	19 52	0 35	6 26	1 43	23 50	9 5	19 40	19 17	3 37	18 1	5 20
W 8	22 29	17 15	4 14	16 49	3 59	22 3	1 12	20 38	0 17	19 32	0 34	4 40	2 10	19 51	0 35	6 26	1 43	23 51	9 5	19 38	19 17	3 34	18 1	5 20
T 9	22 22	14 15	4 45	16 43	4 11	21 50	1 13	20 46	0 16	19 29	0 34	4 41	2 10	19 50	0 35	6 26	1 43	23 51	9 5	19 36	19 16	3 32	18 1	5 20
F 10	22 15	10 42	5 2	16 38	4 21	21 37	1 15	20 54	0 16	19 25	0 34	4 41	2 10	19 49	0 35	6 27	1 43	23 52	9 5	19 34	19 15	3 30	18 1	5 20
S 11	22 7	6 46	5 6	16 35	4 31	21 23	1 16	21 3	0 15	19 22	0 34	4 41	2 11	19 48	0 35	6 27	1 43	23 52	9 6	19 32	19 14	3 28	18 1	5 21
S 12	21 59	2 36	4 56	16 34	4 39	21 8	1 17	21 11	0 14	19 19	0 34	4 42	2 11	19 47	0 35	6 27	1 43	23 53	9 6	19 30	19 14	3 25	18 1	5 21
M13	21 50	1n39	4 34	16 34	4 46	20 52	1 18	21 18	0 13	19 16	0 34	4 43	2 11	19 46	0 35	6 27	1 43	23 53	9 6	19 29	19 13	3 23	18 1	5 21
T 14	21 41	5 51	3 59	16 36	4 51	20 36	1 20	21 26	0 13	19 13	0 34	4 43	2 11	19 46	0 35	6 27	1 43	23 54	9 6	19 28	19 12	3 21	18 1	5 21
W15	21 32	9 52	3 15	16 39	4 54	20 19	1 21	21 33	0 12	19 10	0 34	4 44	2 12	19 45	0 35	6 27	1 43	23 54	9 6	19 27	19 11	3 18	18 1	5 22
T 16	21 22	13 32	2 20	16 44	4 56	20 2	1 22	21 40	0 11	19 6	0 34	4 45	2 12	19 44	0 35	6 28	1 43	23 55	9 6	19 27	19 11	3 16	18 1	5 22
F 17	21 12	16 43	1 18	16 50	4 56	19 44	1 23	21 47	0 10	19 3	0 35	4 45	2 12	19 43	0 35	6 28	1 43	23 55	9 7	19 28	19 10	3 14	18 0	5 22
S 18	21 2	19 10	0 11	16 57	4 54	19 26	1 24	21 54	0 10	19 0	0 35	4 46	2 12	19 42	0 35	6 28	1 42	23 56	9 7	19 28	19 9	3 11	18 0	5 23
S 19	20 51	20 41	1s 0	17 6	4 51	19 7	1 24	22 1	0 9	18 57	0 35	4 47	2 13	19 41	0 35	6 28	1 42	23 56	9 7	19 28	19 8	3 9	18 0	5 23
M20	20 40	21 4	2 8	17 15	4 46	18 48	1 25	22 7	0 8	18 53	0 35	4 48	2 13	19 40	0 35	6 29	1 42	23 57	9 7	19 27	19 8	3 7	18 0	5 23
T 21	20 29	20 9	3 12	17 26	4 39	18 28	1 26	22 13	0 7	18 50	0 35	4 49	2 13	19 39	0 35	6 29	1 42	23 58	9 7	19 26	19 7	3 5	18 0	5 23
W22	20 17	17 55	4 5	17 37	4 31	18 7	1 27	22 19	0 7	18 47	0 35	4 49	2 13	19 39	0 35	6 29	1 42	23 58	9 7	19 24	19 6	3 2	18 0	5 24
T 23	20 5	14 28	4 42	17 49	4 22	17 46	1 27	22 25	0 6	18 43	0 35	4 50	2 14	19 38	0 35	6 30	1 42	23 59	9 7	19 22	19 5	3 0	18 0	5 24
F 24	19 52	10 4	5 1	18 1	4 11	17 25	1 28	22 30	0 5	18 40	0 35	4 51	2 14	19 37	0 35	6 30	1 42	23 59	9 8	19 20	19 5	2 58	17 59	5 24
S 25	19 39	5 2	4 59	18 14	3 59	17 3	1 28	22 36	0 4	18 36	0 35	4 52	2 14	19 36	0 35	6 30	1 42	24 0	9 8	19 18	19 4	2 55	17 59	5 25
S 26	19 26	0s15	4 37	18 27	3 47	16 40	1 29	22 41	0 3	18 33	0 35	4 53	2 14	19 35	0 35	6 31	1 42	24 0	9 8	19 16	19 3	2 53	17 59	5 25
M27	19 13	5 26	3 57	18 40	3 33	16 18	1 29	22 46	0 3	18 30	0 35	4 55	2 15	19 34	0 35	6 31	1 42	24 1	9 8	19 15	19 2	2 51	17 59	5 25
T 28	18 59	10 13	3 3	18 52	3 19	15 54	1 29	22 50	0 2	18 26	0 35	4 56	2 15	19 33	0 35	6 31	1 42	24 1	9 8	19 14	19 2	2 48	17 59	5 26
W29	18 45	14 19	1 59	19 5	3 4	15 31	1 29	22 55	0 1	18 23	0 35	4 57	2 15	19 32	0 35	6 32	1 42	24 2	9 8	19 14	19 1	2 46	17 59	5 26
T 30	18 31	17 33	0 50	19 17	2 49	15 6	1 30	22 59	0 0	18 19	0 35	4 58	2 15	19 31	0 35	6 32	1 42	24 2	9 8	19 14	19 0	2 44	17 58	5 26
F 31	18n16	19s46	0n20	19n28	2s33	14n42	1n30	23n 3	0n 1	18n16	0n36	4s59	2s16	19n30	0n35	6s32	1n42	24s 3	9s 8	19s14	18s59	2s42	17n58	5s27

Julian Day Number = 2374660.5, Delta T = 21.72 sec
Ecliptic obliquity = 23°27'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'04, Lahiri = 20°55'05Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

AUGUST 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 40 4	9♌ 2'59	12♐34	20♋26	25♌58	20♊ 7	10♌29	22°R38	5♌26	20♎46	18°R14	25°R48	24♏44	11♓38	26♊17	S 1
S 2	20 44 1	10° 0'26	25°17	21° 8	27°11	20°47	10°42	22♓35	5°30	20°47	18♒12	25♏45	24°41	11°44	26°22	S 2
M 3	20 47 57	10°57'54	7♑49	21°56	28°25	21°27	10°55	22°32	5°34	20°48	18°11	25°39	24°38	11°51	26°26	M 3
T 4	20 51 54	11°55'22	20°11	22°50	29°39	22° 7	11° 8	22°29	5°37	20°49	18°10	25°30	24°35	11°58	26°31	T 4
W 5	20 55 50	12°52'52	2♒24	23°50	0♍52	22°47	11°22	22°26	5°41	20°50	18° 8	25°19	24°32	12° 4	26°35	W 5
T 6	20 59 47	13°50'22	14°30	24°57	2° 6	23°27	11°35	22°23	5°45	20°51	18° 7	25° 6	24°29	12°11	26°40	T 6
F 7	21 3 43	14°47'54	26°30	26° 9	3°20	24° 7	11°48	22°20	5°48	20°52	18° 6	24°53	24°25	12°18	26°44	F 7
S 8	21 7 40	15°45'27	8♓26	27°27	4°33	24°46	12° 1	22°17	5°52	20°54	18° 4	24°40	24°22	12°25	26°48	S 8
S 9	21 11 36	16°43'01	20°17	28°50	5°47	25°26	12°14	22°14	5°56	20°55	18° 3	24°28	24°19	12°31	26°52	S 9
M10	21 15 33	17°40'36	2♈ 8	0♌17	7° 1	26° 5	12°27	22°10	5°59	20°56	18° 2	24°19	24°16	12°38	26°56	M10
T 11	21 19 30	18°38'13	14° 0	1°50	8°14	26°45	12°41	22° 7	6° 3	20°57	18° 0	24°13	24°13	12°45	27° 0	T 11
W12	21 23 26	19°35'51	25°58	3°27	9°28	27°24	12°54	22° 4	6° 7	20°58	17°59	24° 9	24° 9	12°51	27° 4	W12
T 13	21 27 23	20°33'31	8♉ 6	5° 8	10°41	28° 4	13° 7	22° 0	6°10	21° 0	17°58	24° 7	24° 6	12°58	27° 8	T 13
F 14	21 31 19	21°31'13	20°28	6°53	11°55	28°43	13°20	21°56	6°14	21° 1	17°56	24° 7	24° 3	13° 5	27°12	F 14
S 15	21 35 16	22°28'56	3♊10	8°41	13° 9	29°22	13°33	21°53	6°17	21° 2	17°55	24° 7	24° 0	13°12	27°16	S 15
S 16	21 39 12	23°26'40	16°17	10°32	14°22	0♋ 1	13°46	21°49	6°21	21° 4	17°54	24° 6	23°57	13°18	27°20	S 16
M17	21 43 9	24°24'27	29°52	12°25	15°36	0°40	13°59	21°45	6°25	21° 5	17°52	24° 3	23°54	13°25	27°24	M17
T 18	21 47 5	25°22'15	13♋57	14°20	16°49	1°19	14°12	21°41	6°28	21° 7	17°51	23°57	23°50	13°32	27°28	T 18
W19	21 51 2	26°20'05	28°30	16°17	18° 3	1°57	14°26	21°38	6°32	21° 8	17°50	23°49	23°47	13°38	27°31	W19
T 20	21 54 59	27°17'56	13♌27	18°15	19°16	2°36	14°39	21°34	6°35	21° 9	17°48	23°39	23°44	13°45	27°35	T 20
F 21	21 58 55	28°15'48	28°39	20°14	20°30	3°15	14°52	21°30	6°39	21°11	17°47	23°28	23°41	13°52	27°38	F 21
S 22	22 2 52	29°13'43	13♍56	22°13	21°44	3°53	15° 5	21°25	6°42	21°12	17°46	23°17	23°38	13°59	27°42	S 22
S 23	22 6 48	0♍11'38	29° 6	24°12	22°57	4°32	15°18	21°21	6°46	21°14	17°45	23° 8	23°35	14° 5	27°45	S 23
M24	22 10 45	1° 9'35	14♎ 0	26°12	24°11	5°10	15°31	21°17	6°49	21°16	17°43	23° 2	23°31	14°12	27°49	M24
T 25	22 14 41	2° 7'34	28°31	28°11	25°24	5°48	15°43	21°13	6°53	21°17	17°42	22°58	23°28	14°19	27°52	T 25
W26	22 18 38	3° 5'33	12♏36	0♍10	26°38	6°26	15°56	21° 9	6°56	21°19	17°41	22°56	23°25	14°25	27°55	W26
T 27	22 22 34	4° 3'34	26°14	2° 8	27°51	7° 4	16° 9	21° 4	6°59	21°20	17°39	22°D56	23°22	14°32	27°58	T 27
F 28	22 26 31	5° 1'37	9♐27	4° 5	29° 5	7°42	16°22	21° 0	7° 3	21°22	17°38	22°R56	23°19	14°39	28° 1	F 28
S 29	22 30 28	5°59'41	22°20	6° 1	0♎18	8°20	16°35	20°56	7° 6	21°24	17°37	22°55	23°15	14°46	28° 4	S 29
S 30	22 34 24	6°57'46	4♑55	7°57	1°31	8°58	16°48	20°51	7°10	21°25	17°36	22°52	23°12	14°52	28° 7	S 30
M31	22 38 21	7♍55'52	17♑16	9♍51	2♎45	9♋36	17♌ 0	20♓47	7♌13	21♎27	17♒34	22♏47	23♏ 9	14♓59	28♊10	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	18n 1	20s53	1n28	19n39	2s17	14n17	1n30	23n 7	0n 2	18n12	0n36	5s 0	2s16	19n30	0n35	6s33	1n42	24s 3	9s 9	19s14	18s58	2s39	17n58	5s27
S 2	17 45	20 54	2 29	19 48	2 1	13 52	1 30	23 11	0 2	18 9	0 36	5 2	2 16	19 29	0 35	6 33	1 42	24 4	9 9	19 13	18 58	2 37	17 58	5 27
M 3	17 30	19 52	3 23	19 57	1 45	13 26	1 29	23 15	0 3	18 5	0 36	5 3	2 16	19 28	0 35	6 34	1 42	24 4	9 9	19 12	18 57	2 35	17 57	5 28
T 4	17 14	17 54	4 6	20 4	1 29	13 0	1 29	23 18	0 4	18 1	0 36	5 4	2 16	19 27	0 35	6 34	1 42	24 5	9 9	19 10	18 56	2 32	17 57	5 28
W 5	16 58	15 9	4 37	20 9	1 14	12 34	1 29	23 21	0 5	17 58	0 36	5 6	2 17	19 26	0 35	6 34	1 42	24 5	9 9	19 7	18 55	2 30	17 57	5 29
T 6	16 41	11 47	4 55	20 13	0 58	12 7	1 29	23 24	0 6	17 54	0 36	5 7	2 17	19 25	0 35	6 35	1 41	24 6	9 9	19 4	18 55	2 28	17 56	5 29
F 7	16 25	7 59	5 0	20 14	0 43	11 40	1 28	23 27	0 7	17 51	0 36	5 9	2 17	19 24	0 35	6 35	1 41	24 6	9 9	19 1	18 54	2 26	17 56	5 29
S 8	16 8	3 55	4 52	20 14	0 28	11 13	1 28	23 29	0 7	17 47	0 36	5 10	2 17	19 23	0 35	6 36	1 41	24 7	9 9	18 57	18 53	2 23	17 56	5 30
S 9	15 51	0n18	4 31	20 11	0 14	10 45	1 27	23 31	0 8	17 44	0 36	5 11	2 17	19 22	0 35	6 36	1 41	24 7	9 9	18 55	18 52	2 21	17 56	5 30
M10	15 33	4 29	3 58	20 6	0 0	10 17	1 27	23 34	0 9	17 40	0 36	5 13	2 18	19 22	0 35	6 37	1 41	24 8	9 9	18 52	18 51	2 19	17 55	5 31
T 11	15 15	8 31	3 15	19 59	0n13	9 49	1 26	23 35	0 10	17 36	0 36	5 14	2 18	19 21	0 35	6 37	1 41	24 8	9 9	18 51	18 51	2 16	17 55	5 31
W12	14 57	12 16	2 23	19 49	0 25	9 21	1 25	23 37	0 11	17 33	0 36	5 16	2 18	19 20	0 35	6 38	1 41	24 9	9 9	18 50	18 50	2 14	17 55	5 31
T 13	14 39	15 32	1 24	19 36	0 36	8 52	1 24	23 39	0 12	17 29	0 37	5 18	2 18	19 19	0 35	6 38	1 41	24 9	9 9	18 49	18 49	2 12	17 54	5 32
F 14	14 21	18 12	0 19	19 20	0 47	8 23	1 23	23 40	0 13	17 25	0 37	5 19	2 18	19 18	0 35	6 39	1 41	24 10	9 9	18 49	18 48	2 9	17 54	5 32
S 15	14 2	20 2	0s48	19 1	0 57	7 54	1 22	23 41	0 13	17 22	0 37	5 21	2 19	19 17	0 35	6 39	1 41	24 10	9 10	18 49	18 48	2 7	17 54	5 33
S 16	13 43	20 52	1 54	18 40	1 6	7 25	1 21	23 42	0 14	17 18	0 37	5 22	2 19	19 16	0 35	6 40	1 41	24 11	9 10	18 49	18 47	2 5	17 53	5 33
M17	13 24	20 31	2 57	18 17	1 14	6 55	1 20	23 43	0 15	17 14	0 37	5 24	2 19	19 15	0 35	6 41	1 41	24 11	9 10	18 48	18 46	2 3	17 53	5 34
T 18	13 5	18 54	3 51	17 50	1 21	6 25	1 19	23 44	0 16	17 11	0 37	5 26	2 19	19 14	0 35	6 41	1 41	24 12	9 10	18 47	18 45	2 0	17 52	5 34
W19	12 45	16 3	4 32	17 22	1 27	5 55	1 18	23 44	0 17	17 7	0 37	5 27	2 19	19 14	0 35	6 42	1 41	24 12	9 10	18 45	18 44	1 58	17 52	5 35
T 20	12 25	12 5	4 56	16 50	1 32	5 25	1 16	23 44	0 18	17 3	0 37	5 29	2 19	19 13	0 35	6 42	1 41	24 13	9 10	18 42	18 44	1 56	17 52	5 35
F 21	12 5	7 17	4 59	16 17	1 37	4 55	1 15	23 44	0 19	16 59	0 37	5 31	2 20	19 12	0 35	6 43	1 41	24 13	9 10	18 40	18 43	1 54	17 51	5 35
S 22	11 45	2 0	4 41	15 42	1 40	4 25	1 14	23 44	0 20	16 56	0 37	5 33	2 20	19 11	0 35	6 43	1 41	24 13	9 10	18 37	18 42	1 51	17 51	5 36
S 23	11 25	3s22	4 4	15 5	1 43	3 54	1 12	23 44	0 21	16 52	0 38	5 34	2 20	19 10	0 35	6 44	1 41	24 14	9 10	18 35	18 41	1 49	17 50	5 36
M24	11 4	8 27	3 10	14 27	1 45	3 24	1 11	23 43	0 22	16 48	0 38	5 36	2 20	19 9	0 35	6 45	1 41	24 14	9 10	18 33	18 40	1 47	17 50	5 37
T 25	10 44	12 55	2 5	13 47	1 46	2 53	1 9	23 43	0 22	16 44	0 38	5 38	2 20	19 8	0 35	6 45	1 41	24 15	9 10	18 32	18 40	1 44	17 50	5 37
W26	10 23	16 30	0 54	13 5	1 46	2 22	1 7	23 42	0 23	16 41	0 38	5 40	2 20	19 8	0 35	6 46	1 41	24 15	9 10	18 32	18 39	1 42	17 49	5 38
T 27	10 2	19 3	0n17	12 23	1 46	1 51	1 6	23 41	0 24	16 37	0 38	5 42	2 20	19 7	0 35	6 47	1 41	24 15	9 10	18 32	18 38	1 40	17 49	5 38
F 28	9 41	20 28	1 26	11 39	1 45	1 21	1 4	23 40	0 25	16 33	0 38	5 43	2 21	19 6	0 35	6 47	1 41	24 16	9 10	18 32	18 37	1 38	17 48	5 39
S 29	9 19	20 46	2 29	10 55	1 44	0 50	1 2	23 38	0 26	16 29	0 38	5 45	2 21	19 5	0 35	6 48	1 41	24 16	9 10	18 31	18 36	1 35	17 48	5 39
S 30	8 58	20 0	3 23	10 10	1 42	0 19	1 0	23 37	0 27	16 26	0 38	5 47	2 21	19 4	0 35	6 49	1 40	24 17	9 10	18 31	18 36	1 33	17 47	5 40
M31	8n36	18s17	4n 6	9n24	1n39	0s12	0n58	23n35	0n28	16n22	0n38	5s49	2s21	19n 3	0n35	6s49	1n40	24s17	9s10	18s29	18s35	1s31	17n47	5s40

Julian Day Number = 2374691.5, Delta T = 21.71 sec
Ecliptic obliquity = 23°27'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'09, Lahiri = 20°55'09Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

SEPTEMBER 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 42 17	8♍54'01	29♉27	11♍45	3♎58	10♋13	17♌13	20°R42	7♌16	21♎29	17°R33	22°R38	23♏ 6	15♓ 6	28♊13	T 1
W 2	22 46 14	9°52'10	11♒31	13°37	5°12	10°51	17°26	20♓38	7°19	21°31	17♒32	22♏28	23° 3	15°12	28°16	W 2
T 3	22 50 10	10°50'21	23°29	15°28	6°25	11°28	17°38	20°33	7°23	21°32	17°31	22°15	23° 0	15°19	28°19	T 3
F 4	22 54 7	11°48'34	5♓24	17°18	7°38	12° 5	17°51	20°29	7°26	21°34	17°30	22° 2	22°56	15°26	28°21	F 4
S 5	22 58 3	12°46'49	17°16	19° 7	8°52	12°42	18° 4	20°24	7°29	21°36	17°28	21°50	22°53	15°33	28°24	S 5
S 6	23 2 0	13°45'05	29° 8	20°55	10° 5	13°19	18°16	20°20	7°32	21°38	17°27	21°38	22°50	15°39	28°26	S 6
M 7	23 5 56	14°43'23	11♈ 0	22°41	11°18	13°56	18°29	20°15	7°35	21°40	17°26	21°29	22°47	15°46	28°29	M 7
T 8	23 9 53	15°41'44	22°55	24°27	12°32	14°33	18°41	20°11	7°39	21°42	17°25	21°23	22°44	15°53	28°31	T 8
W 9	23 13 50	16°40'06	4♉57	26°11	13°45	15°10	18°53	20° 6	7°42	21°44	17°24	21°19	22°40	15°59	28°34	W 9
T 10	23 17 46	17°38'30	17° 7	27°54	14°58	15°47	19° 6	20° 1	7°45	21°45	17°23	21°D18	22°37	16° 6	28°36	T 10
F 11	23 21 43	18°36'57	29°30	29°36	16°11	16°23	19°18	19°57	7°48	21°47	17°22	21°18	22°34	16°13	28°38	F 11
S 12	23 25 39	19°35'25	12♊11	1♎17	17°25	17° 0	19°30	19°52	7°51	21°49	17°20	21°19	22°31	16°20	28°40	S 12
S 13	23 29 36	20°33'56	25°13	2°57	18°38	17°36	19°42	19°47	7°54	21°51	17°19	21°R19	22°28	16°26	28°42	S 13
M14	23 33 32	21°32'29	8♋41	4°36	19°51	18°12	19°55	19°43	7°57	21°53	17°18	21°18	22°25	16°33	28°44	M14
T 15	23 37 29	22°31'05	22°37	6°14	21° 4	18°48	20° 7	19°38	8° 0	21°55	17°17	21°14	22°21	16°40	28°46	T 15
W16	23 41 25	23°29'42	7♌ 1	7°50	22°18	19°24	20°19	19°33	8° 2	21°57	17°16	21° 9	22°18	16°46	28°48	W16
T 17	23 45 22	24°28'22	21°51	9°26	23°31	20° 0	20°31	19°29	8° 5	21°59	17°15	21° 1	22°15	16°53	28°49	T 17
F 18	23 49 19	25°27'03	6♍59	11° 1	24°44	20°36	20°43	19°24	8° 8	22° 1	17°14	20°53	22°12	17° 0	28°51	F 18
S 19	23 53 15	26°25'47	22°16	12°35	25°57	21°12	20°55	19°20	8°11	22° 3	17°13	20°44	22° 9	17° 7	28°52	S 19
S 20	23 57 12	27°24'33	7♎31	14° 8	27°10	21°47	21° 6	19°15	8°14	22° 6	17°12	20°37	22° 6	17°13	28°54	S 20
M21	0 1 8	28°23'20	22°33	15°40	28°23	22°23	21°18	19°11	8°16	22° 8	17°11	20°32	22° 2	17°20	28°55	M21
T 22	0 5 5	29°22'10	7♏14	17°11	29°36	22°58	21°30	19° 6	8°19	22°10	17°10	20°29	21°59	17°27	28°57	T 22
W23	0 9 1	0♎21'01	21°29	18°41	0♏49	23°33	21°41	19° 1	8°22	22°12	17° 9	20°D29	21°56	17°33	28°58	W23
T 24	0 12 58	1°19'54	5♐16	20°10	2° 2	24° 8	21°53	18°57	8°24	22°14	17° 9	20°29	21°53	17°40	28°59	T 24
F 25	0 16 54	2°18'49	18°35	21°38	3°15	24°43	22° 4	18°53	8°27	22°16	17° 8	20°30	21°50	17°47	29° 0	F 25
S 26	0 20 51	3°17'46	1♑31	23° 5	4°28	25°18	22°16	18°48	8°29	22°18	17° 7	20°R31	21°46	17°53	29° 1	S 26
S 27	0 24 48	4°16'45	14° 5	24°31	5°41	25°52	22°27	18°44	8°32	22°20	17° 6	20°31	21°43	18° 0	29° 2	S 27
M28	0 28 44	5°15'45	26°24	25°56	6°54	26°27	22°38	18°39	8°34	22°22	17° 5	20°28	21°40	18° 7	29° 3	M28
T 29	0 32 41	6°14'47	8♒30	27°20	8° 7	27° 1	22°50	18°35	8°36	22°25	17° 4	20°24	21°37	18°14	29° 3	T 29
W30	0 36 37	7♎13'50	20♒29	28♎43	9♏20	27♋36	23♌ 1	18♓31	8♌39	22♎27	17♒ 4	20♏18	21♏34	18♓20	29♊ 4	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	8n15	15s46	4n37	8n38	1n36	0s44	0n56	23n33	0n29	16n18	0n39	5s51	2s21	19n 3	0n35	6s50	1n40	24s17	9s10	18s27	18s34	1s29	17n46	5s41
W 2	7 53	12 36	4 56	7 52	1 32	1 15	0 54	23 31	0 30	16 14	0 39	5 53	2 21	19 2	0 35	6 51	1 40	24 18	9 10	18 24	18 33	1 26	17 46	5 41
T 3	7 31	8 58	5 1	7 5	1 28	1 46	0 52	23 29	0 31	16 11	0 39	5 55	2 21	19 1	0 35	6 51	1 40	24 18	9 10	18 21	18 32	1 24	17 45	5 42
F 4	7 8	5 0	4 53	6 18	1 24	2 17	0 49	23 27	0 32	16 7	0 39	5 56	2 21	19 0	0 35	6 52	1 40	24 18	9 10	18 18	18 32	1 22	17 45	5 42
S 5	6 46	0 51	4 33	5 31	1 19	2 48	0 47	23 24	0 33	16 3	0 39	5 58	2 21	18 59	0 35	6 53	1 40	24 19	9 9	18 15	18 31	1 19	17 44	5 43
S 6	6 24	3n19	4 0	4 44	1 14	3 19	0 45	23 21	0 34	15 59	0 39	6 0	2 21	18 59	0 35	6 53	1 40	24 19	9 9	18 12	18 30	1 17	17 44	5 43
M 7	6 1	7 23	3 17	3 57	1 9	3 50	0 43	23 19	0 35	15 56	0 39	6 2	2 22	18 58	0 35	6 54	1 40	24 19	9 9	18 9	18 29	1 15	17 43	5 44
T 8	5 39	11 10	2 25	3 10	1 3	4 20	0 40	23 16	0 36	15 52	0 39	6 4	2 22	18 57	0 35	6 55	1 40	24 20	9 9	18 8	18 28	1 13	17 43	5 45
W 9	5 16	14 32	1 26	2 24	0 57	4 51	0 38	23 13	0 37	15 48	0 39	6 6	2 22	18 56	0 35	6 56	1 40	24 20	9 9	18 7	18 28	1 10	17 42	5 45
T 10	4 53	17 19	0 22	1 37	0 51	5 22	0 35	23 9	0 38	15 44	0 40	6 8	2 22	18 55	0 35	6 56	1 40	24 20	9 9	18 6	18 27	1 8	17 42	5 46
F 11	4 30	19 21	0s44	0 50	0 45	5 52	0 33	23 6	0 39	15 41	0 40	6 10	2 22	18 55	0 36	6 57	1 40	24 21	9 9	18 6	18 26	1 6	17 41	5 46
S 12	4 8	20 28	1 49	0 4	0 38	6 23	0 30	23 2	0 40	15 37	0 40	6 11	2 22	18 54	0 36	6 58	1 40	24 21	9 9	18 7	18 25	1 4	17 41	5 47
S 13	3 45	20 32	2 51	0s42	0 31	6 53	0 27	22 59	0 41	15 33	0 40	6 13	2 22	18 53	0 36	6 59	1 40	24 21	9 9	18 7	18 24	1 1	17 40	5 47
M14	3 21	19 26	3 45	1 27	0 25	7 23	0 25	22 55	0 42	15 30	0 40	6 15	2 22	18 52	0 36	6 59	1 40	24 21	9 9	18 6	18 24	0 59	17 40	5 48
T 15	2 58	17 9	4 28	2 12	0 18	7 53	0 22	22 51	0 43	15 26	0 40	6 17	2 22	18 52	0 36	7 0	1 40	24 22	9 9	18 5	18 23	0 57	17 39	5 48
W16	2 35	13 45	4 56	2 57	0 10	8 23	0 19	22 47	0 44	15 22	0 40	6 19	2 22	18 51	0 36	7 1	1 40	24 22	9 9	18 4	18 22	0 55	17 39	5 49
T 17	2 12	9 25	5 5	3 42	0 3	8 53	0 16	22 43	0 45	15 18	0 41	6 21	2 22	18 50	0 36	7 2	1 40	24 22	9 9	18 2	18 21	0 52	17 38	5 49
F 18	1 49	4 25	4 54	4 26	0s 4	9 23	0 14	22 38	0 46	15 15	0 41	6 23	2 22	18 50	0 36	7 2	1 40	24 22	9 9	18 0	18 20	0 50	17 38	5 50
S 19	1 25	0s55	4 21	5 9	0 11	9 52	0 11	22 34	0 47	15 11	0 41	6 24	2 22	18 49	0 36	7 3	1 40	24 23	9 8	17 57	18 19	0 48	17 37	5 51
S 20	1 2	6 11	3 30	5 52	0 19	10 21	0 8	22 29	0 48	15 7	0 41	6 26	2 22	18 48	0 36	7 4	1 40	24 23	9 8	17 56	18 19	0 46	17 37	5 51
M21	0 38	11 1	2 24	6 34	0 26	10 50	0 5	22 25	0 49	15 4	0 41	6 28	2 22	18 48	0 36	7 5	1 40	24 23	9 8	17 54	18 18	0 43	17 36	5 52
T 22	0 15	15 3	1 11	7 16	0 34	11 19	0 2	22 20	0 50	15 0	0 41	6 30	2 22	18 47	0 36	7 6	1 40	24 23	9 8	17 53	18 17	0 41	17 35	5 52
W23	0s 8	18 4	0n 5	7 57	0 41	11 47	0s 1	22 15	0 51	14 57	0 41	6 32	2 22	18 46	0 36	7 6	1 40	24 23	9 8	17 53	18 16	0 39	17 35	5 53
T 24	0 32	19 54	1 19	8 38	0 48	12 15	0 4	22 10	0 52	14 53	0 41	6 33	2 22	18 46	0 36	7 7	1 40	24 24	9 8	17 53	18 15	0 37	17 34	5 53
F 25	0 55	20 33	2 26	9 18	0 56	12 43	0 7	22 5	0 53	14 49	0 42	6 35	2 22	18 45	0 36	7 8	1 40	24 24	9 8	17 54	18 15	0 34	17 34	5 54
S 26	1 19	20 4	3 23	9 58	1 3	13 11	0 10	21 59	0 54	14 46	0 42	6 37	2 22	18 44	0 36	7 9	1 40	24 24	9 8	17 54	18 14	0 32	17 33	5 55
S 27	1 42	18 36	4 9	10 36	1 11	13 38	0 13	21 54	0 55	14 42	0 42	6 38	2 22	18 44	0 36	7 10	1 40	24 24	9 8	17 54	18 13	0 30	17 33	5 55
M28	2 6	16 17	4 42	11 14	1 18	14 5	0 16	21 49	0 56	14 39	0 42	6 40	2 22	18 43	0 36	7 10	1 40	24 24	9 7	17 53	18 12	0 28	17 32	5 56
T 29	2 29	13 17	5 2	11 52	1 25	14 32	0 19	21 43	0 57	14 35	0 42	6 42	2 22	18 43	0 36	7 11	1 40	24 24	9 7	17 52	18 11	0 25	17 31	5 56
W30	2s52	9s48	5n 9	12s28	1s32	14s58	0s22	21n37	0n59	14n32	0n42	6s43	2s22	18n42	0n36	7s12	1n40	24s24	9s 7	17s50	18s10	0s23	17n31	5s57

Julian Day Number = 2374722.5, Delta T = 21.70 sec
Ecliptic obliquity = 23°27'55, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'13, Lahiri = 20°55'13Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

OCTOBER 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 40 34	8♎12'56	2♓23	0♏ 5	10♏33	28♋10	23♌12	18°R27	8♌41	22♎29	17°R 3	20°R11	21♏31	18♓27	29♊ 5	T 1
F 2	0 44 30	9°12'03	14°14	1°26	11°46	28°44	23°23	18♓22	8°43	22°31	17♒ 2	20♏ 3	21°27	18°34	29° 5	F 2
S 3	0 48 27	10°11'13	26° 7	2°46	12°59	29°17	23°34	18°18	8°46	22°33	17° 2	19°55	21°24	18°40	29° 6	S 3
S 4	0 52 23	11°10'24	8♈ 1	4° 4	14°12	29°51	23°44	18°14	8°48	22°36	17° 1	19°48	21°21	18°47	29° 6	S 4
M 5	0 56 20	12° 9'37	19°59	5°21	15°24	0♌25	23°55	18°10	8°50	22°38	17° 0	19°43	21°18	18°54	29° 6	M 5
T 6	1 0 16	13° 8'53	2♉ 2	6°37	16°37	0°58	24° 6	18° 6	8°52	22°40	17° 0	19°39	21°15	19° 1	29° 6	T 6
W 7	1 4 13	14° 8'10	14°13	7°51	17°50	1°31	24°16	18° 2	8°54	22°42	16°59	19°D38	21°11	19° 7	29° 7	W 7
T 8	1 8 10	15° 7'30	26°33	9° 4	19° 3	2° 4	24°27	17°58	8°56	22°44	16°58	19°38	21° 8	19°14	29°R 7	T 8
F 9	1 12 6	16° 6'52	9♊ 5	10°15	20°15	2°37	24°37	17°55	8°58	22°47	16°58	19°39	21° 5	19°21	29° 6	F 9
S 10	1 16 3	17° 6'17	21°52	11°25	21°28	3°10	24°47	17°51	9° 0	22°49	16°57	19°41	21° 2	19°27	29° 6	S 10
S 11	1 19 59	18° 5'44	4♋56	12°32	22°40	3°43	24°58	17°47	9° 2	22°51	16°57	19°42	20°59	19°34	29° 6	S 11
M12	1 23 56	19° 5'13	18°21	13°37	23°53	4°15	25° 8	17°44	9° 3	22°53	16°56	19°R43	20°56	19°41	29° 6	M12
T 13	1 27 52	20° 4'44	2♌ 9	14°40	25° 6	4°48	25°18	17°40	9° 5	22°56	16°56	19°42	20°52	19°47	29° 5	T 13
W14	1 31 49	21° 4'18	16°19	15°41	26°18	5°20	25°28	17°36	9° 7	22°58	16°55	19°41	20°49	19°54	29° 5	W14
T 15	1 35 45	22° 3'54	0♍51	16°39	27°31	5°52	25°37	17°33	9° 9	23° 0	16°55	19°38	20°46	20° 1	29° 4	T 15
F 16	1 39 42	23° 3'32	15°40	17°33	28°43	6°24	25°47	17°30	9°10	23° 2	16°55	19°34	20°43	20° 8	29° 4	F 16
S 17	1 43 39	24° 3'12	0♎40	18°24	29°56	6°55	25°57	17°26	9°12	23° 5	16°54	19°30	20°40	20°14	29° 3	S 17
S 18	1 47 35	25° 2'55	15°42	19°12	1♐ 8	7°27	26° 6	17°23	9°13	23° 7	16°54	19°27	20°37	20°21	29° 2	S 18
M19	1 51 32	26° 2'40	0♏37	19°56	2°21	7°58	26°16	17°20	9°15	23° 9	16°54	19°25	20°33	20°28	29° 1	M19
T 20	1 55 28	27° 2'26	15°17	20°35	3°33	8°29	26°25	17°17	9°16	23°11	16°53	19°D24	20°30	20°34	29° 0	T 20
W21	1 59 25	28° 2'15	29°36	21° 8	4°45	9° 0	26°34	17°14	9°17	23°13	16°53	19°24	20°27	20°41	28°59	W21
T 22	2 3 21	29° 2'05	13♐29	21°37	5°58	9°31	26°43	17°11	9°19	23°16	16°53	19°25	20°24	20°48	28°58	T 22
F 23	2 7 18	0♏ 1'58	26°56	21°59	7°10	10° 1	26°52	17° 9	9°20	23°18	16°53	19°27	20°21	20°55	28°57	F 23
S 24	2 11 14	1° 1'51	9♑57	22°15	8°22	10°31	27° 1	17° 6	9°21	23°20	16°52	19°28	20°17	21° 1	28°55	S 24
S 25	2 15 11	2° 1'47	22°37	22°23	9°34	11° 2	27°10	17° 3	9°22	23°22	16°52	19°29	20°14	21° 8	28°54	S 25
M26	2 19 8	3° 1'44	4♒57	22°R24	10°47	11°31	27°18	17° 1	9°23	23°25	16°52	19°R29	20°11	21°15	28°53	M26
T 27	2 23 4	4° 1'43	17° 4	22°16	11°59	12° 1	27°27	16°58	9°25	23°27	16°52	19°29	20° 8	21°21	28°51	T 27
W28	2 27 1	5° 1'43	29° 2	21°59	13°11	12°31	27°35	16°56	9°26	23°29	16°52	19°28	20° 5	21°28	28°50	W28
T 29	2 30 57	6° 1'45	10♓54	21°33	14°23	13° 0	27°43	16°54	9°26	23°31	16°52	19°26	20° 2	21°35	28°48	T 29
F 30	2 34 54	7° 1'49	22°45	20°57	15°35	13°29	27°51	16°52	9°27	23°33	16°D52	19°24	19°58	21°41	28°46	F 30
S 31	2 38 50	8♏ 1'54	4♈39	20♏12	16♐47	13♌58	27♌59	16♓50	9♌28	23♎36	16♒52	19♏22	19♏55	21♓48	28♊44	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	3s16	5s56	5n 2	13s 4	1s39	15s24	0s25	21n32	1n 0	14n28	0n43	6s45	2s22	18n41	0n36	7s13	1n40	24s25	9s 7	17s48	18s10	0s21	17n30	5s57
F 2	3 39	1 52	4 42	13 39	1 46	15 50	0 28	21 26	1 1	14 25	0 43	6 47	2 22	18 41	0 36	7 14	1 40	24 25	9 7	17 46	18 9	0 19	17 30	5 58
S 3	4 2	2n16	4 10	14 13	1 53	16 15	0 31	21 20	1 2	14 21	0 43	6 48	2 22	18 40	0 36	7 15	1 40	24 25	9 7	17 44	18 8	0 16	17 29	5 59
S 4	4 26	6 21	3 27	14 46	2 0	16 40	0 34	21 14	1 3	14 18	0 43	6 50	2 22	18 40	0 36	7 15	1 40	24 25	9 7	17 42	18 7	0 14	17 29	5 59
M 5	4 49	10 12	2 34	15 18	2 6	17 4	0 38	21 8	1 4	14 15	0 43	6 51	2 22	18 39	0 36	7 16	1 40	24 25	9 7	17 41	18 6	0 12	17 28	6 0
T 6	5 12	13 40	1 34	15 50	2 13	17 28	0 41	21 2	1 5	14 11	0 43	6 53	2 22	18 39	0 36	7 17	1 40	24 25	9 6	17 40	18 5	0 10	17 27	6 0
W 7	5 35	16 36	0 30	16 20	2 19	17 52	0 44	20 55	1 6	14 8	0 44	6 54	2 22	18 38	0 36	7 18	1 40	24 25	9 6	17 40	18 5	0 7	17 27	6 1
T 8	5 58	18 48	0s38	16 49	2 25	18 15	0 47	20 49	1 8	14 4	0 44	6 56	2 21	18 38	0 36	7 19	1 40	24 25	9 6	17 40	18 4	0 5	17 26	6 2
F 9	6 21	20 7	1 44	17 17	2 30	18 38	0 50	20 43	1 9	14 1	0 44	6 57	2 21	18 37	0 36	7 19	1 40	24 25	9 6	17 40	18 3	0 3	17 26	6 2
S 10	6 44	20 26	2 47	17 44	2 36	19 0	0 53	20 36	1 10	13 58	0 44	6 59	2 21	18 37	0 36	7 20	1 40	24 25	9 6	17 40	18 2	0 1	17 25	6 3
S 11	7 6	19 40	3 43	18 10	2 41	19 22	0 56	20 30	1 11	13 55	0 44	7 0	2 21	18 36	0 36	7 21	1 40	24 25	9 6	17 41	18 1	0n 1	17 24	6 3
M12	7 29	17 47	4 28	18 34	2 46	19 43	0 59	20 23	1 12	13 51	0 44	7 1	2 21	18 36	0 37	7 22	1 40	24 25	9 6	17 41	18 0	0 4	17 24	6 4
T 13	7 51	14 51	4 59	18 58	2 50	20 4	1 2	20 17	1 14	13 48	0 45	7 3	2 21	18 35	0 37	7 23	1 40	24 25	9 5	17 41	18 0	0 6	17 23	6 4
W14	8 14	10 59	5 13	19 19	2 54	20 24	1 5	20 10	1 15	13 45	0 45	7 4	2 21	18 35	0 37	7 24	1 40	24 25	9 5	17 40	17 59	0 8	17 23	6 5
T 15	8 36	6 23	5 8	19 39	2 57	20 44	1 8	20 3	1 16	13 42	0 45	7 5	2 21	18 35	0 37	7 24	1 40	24 25	9 5	17 40	17 58	0 10	17 22	6 6
F 16	8 58	1 19	4 42	19 58	3 0	21 3	1 11	19 56	1 17	13 39	0 45	7 6	2 21	18 34	0 37	7 25	1 40	24 25	9 5	17 39	17 57	0 13	17 22	6 6
S 17	9 20	3s53	3 57	20 15	3 3	21 22	1 14	19 50	1 18	13 36	0 45	7 7	2 21	18 34	0 37	7 26	1 40	24 25	9 5	17 38	17 56	0 15	17 21	6 7
S 18	9 42	8 53	2 55	20 30	3 4	21 40	1 17	19 43	1 20	13 33	0 45	7 9	2 20	18 34	0 37	7 27	1 40	24 25	9 5	17 37	17 55	0 17	17 20	6 7
M19	10 4	13 17	1 42	20 43	3 6	21 58	1 20	19 36	1 21	13 30	0 46	7 10	2 20	18 33	0 37	7 28	1 40	24 25	9 4	17 36	17 55	0 19	17 20	6 8
T 20	10 26	16 48	0 23	20 54	3 6	22 15	1 23	19 29	1 22	13 27	0 46	7 11	2 20	18 33	0 37	7 29	1 40	24 25	9 4	17 36	17 54	0 21	17 19	6 8
W21	10 47	19 10	0n56	21 3	3 5	22 31	1 26	19 22	1 23	13 24	0 46	7 12	2 20	18 32	0 37	7 29	1 40	24 25	9 4	17 36	17 53	0 24	17 19	6 9
T 22	11 9	20 18	2 9	21 9	3 4	22 47	1 29	19 15	1 25	13 21	0 46	7 13	2 20	18 32	0 37	7 30	1 40	24 25	9 4	17 36	17 52	0 26	17 18	6 9
F 23	11 30	20 13	3 13	21 12	3 2	23 2	1 31	19 8	1 26	13 18	0 46	7 14	2 20	18 32	0 37	7 31	1 40	24 25	9 4	17 37	17 51	0 28	17 18	6 10
S 24	11 51	19 2	4 4	21 13	2 58	23 16	1 34	19 1	1 27	13 15	0 47	7 15	2 20	18 32	0 37	7 32	1 40	24 25	9 4	17 37	17 50	0 30	17 17	6 11
S 25	12 11	16 56	4 42	21 11	2 53	23 30	1 37	18 54	1 29	13 12	0 47	7 16	2 20	18 31	0 37	7 33	1 40	24 24	9 3	17 37	17 49	0 33	17 17	6 11
M26	12 32	14 6	5 6	21 5	2 47	23 44	1 39	18 47	1 30	13 9	0 47	7 16	2 19	18 31	0 37	7 33	1 40	24 24	9 3	17 37	17 49	0 35	17 16	6 12
T 27	12 53	10 43	5 16	20 55	2 39	23 56	1 42	18 40	1 31	13 7	0 47	7 17	2 19	18 31	0 37	7 34	1 40	24 24	9 3	17 37	17 48	0 37	17 15	6 12
W28	13 13	6 57	5 12	20 42	2 30	24 8	1 45	18 33	1 33	13 4	0 47	7 18	2 19	18 31	0 37	7 35	1 40	24 24	9 3	17 37	17 47	0 39	17 15	6 13
T 29	13 33	2 57	4 54	20 25	2 20	24 19	1 47	18 26	1 34	13 1	0 48	7 19	2 19	18 30	0 37	7 36	1 40	24 24	9 3	17 36	17 46	0 41	17 14	6 13
F 30	13 52	1n10	4 24	20 3	2 7	24 30	1 50	18 19	1 35	12 59	0 48	7 19	2 19	18 30	0 37	7 37	1 40	24 24	9 2	17 36	17 45	0 44	17 14	6 14
S 31	14s12	5n15	3n43	19s37	1s53	24s40	1s52	18n12	1n37	12n56	0n48	7s20	2s19	18n30	0n37	7s37	1n40	24s24	9s 2	17s35	17s44	0n46	17n13	6s14

Julian Day Number = 2374752.5, Delta T = 21.68 sec
Ecliptic obliquity = 23°27'55, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'17, Lahiri = 20°55'18Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

NOVEMBER 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 42 47	9♏ 2'01	16♈37	19°R17	17♐59	14♌26	28♌ 7	16°R48	9♌29	23♎38	16♒52	19°R21	19♏52	21♓55	28°R42	S 1
M 2	2 46 43	10° 2'10	28°44	18♏15	19°10	14°55	28°15	16♓46	9°30	23°40	16°52	19♏19	19°49	22° 2	28♊40	M 2
T 3	2 50 40	11° 2'20	10♉59	17° 5	20°22	15°23	28°22	16°44	9°30	23°42	16°52	19°19	19°46	22° 8	28°38	T 3
W 4	2 54 37	12° 2'33	23°25	15°50	21°34	15°51	28°30	16°42	9°31	23°44	16°52	19°D19	19°43	22°15	28°36	W 4
T 5	2 58 33	13° 2'47	6♊ 3	14°31	22°46	16°18	28°37	16°41	9°31	23°46	16°52	19°19	19°39	22°22	28°34	T 5
F 6	3 2 30	14° 3'03	18°53	13°11	23°57	16°46	28°44	16°39	9°32	23°49	16°52	19°20	19°36	22°28	28°32	F 6
S 7	3 6 26	15° 3'21	1♋57	11°53	25° 9	17°13	28°51	16°38	9°32	23°51	16°53	19°20	19°33	22°35	28°29	S 7
S 8	3 10 23	16° 3'41	15°14	10°40	26°20	17°40	28°58	16°37	9°33	23°53	16°53	19°21	19°30	22°42	28°27	S 8
M 9	3 14 19	17° 4'03	28°46	9°32	27°32	18° 6	29° 5	16°36	9°33	23°55	16°53	19°21	19°27	22°48	28°24	M 9
T 10	3 18 16	18° 4'27	12♌33	8°33	28°43	18°33	29°11	16°35	9°33	23°57	16°53	19°21	19°23	22°55	28°22	T 10
W11	3 22 12	19° 4'53	26°35	7°45	29°55	18°59	29°18	16°34	9°34	23°59	16°54	19°21	19°20	23° 2	28°19	W11
T 12	3 26 9	20° 5'20	10♍50	7° 7	1♑ 6	19°24	29°24	16°33	9°34	24° 1	16°54	19°21	19°17	23° 9	28°17	T 12
F 13	3 30 6	21° 5'50	25°16	6°41	2°17	19°50	29°30	16°32	9°34	24° 3	16°54	19°21	19°14	23°15	28°14	F 13
S 14	3 34 2	22° 6'21	9♎50	6°26	3°28	20°15	29°36	16°31	9°R34	24° 5	16°55	19°21	19°11	23°22	28°11	S 14
S 15	3 37 59	23° 6'54	24°25	6°D23	4°39	20°40	29°42	16°31	9°34	24° 7	16°55	19°22	19° 8	23°29	28° 8	S 15
M16	3 41 55	24° 7'29	8♏58	6°31	5°50	21° 5	29°48	16°31	9°34	24° 9	16°56	19°22	19° 4	23°35	28° 5	M16
T 17	3 45 52	25° 8'06	23°21	6°49	7° 1	21°29	29°53	16°30	9°34	24°11	16°56	19°R22	19° 1	23°42	28° 2	T 17
W18	3 49 48	26° 8'44	7♐29	7°17	8°12	21°53	29°58	16°30	9°34	24°13	16°57	19°22	18°58	23°49	27°59	W18
T 19	3 53 45	27° 9'23	21°18	7°53	9°23	22°16	0♍ 4	16°D30	9°33	24°15	16°57	19°21	18°55	23°55	27°56	T 19
F 20	3 57 41	28°10'04	4♑46	8°36	10°34	22°40	0° 9	16°30	9°33	24°17	16°58	19°20	18°52	24° 2	27°53	F 20
S 21	4 1 38	29°10'46	17°50	9°27	11°45	23° 3	0°13	16°30	9°33	24°19	16°58	19°19	18°49	24° 9	27°50	S 21
S 22	4 5 35	0♐11'29	0♒34	10°23	12°55	23°25	0°18	16°30	9°32	24°21	16°59	19°17	18°45	24°16	27°47	S 22
M23	4 9 31	1°12'13	12°58	11°24	14° 6	23°47	0°23	16°31	9°32	24°23	16°59	19°16	18°42	24°22	27°43	M23
T 24	4 13 28	2°12'59	25° 7	12°30	15°16	24° 9	0°27	16°31	9°31	24°25	17° 0	19°15	18°39	24°29	27°40	T 24
W25	4 17 24	3°13'45	7♓ 6	13°39	16°26	24°31	0°31	16°32	9°31	24°27	17° 1	19°D15	18°36	24°36	27°37	W25
T 26	4 21 21	4°14'32	18°58	14°52	17°37	24°52	0°35	16°32	9°30	24°28	17° 1	19°16	18°33	24°42	27°33	T 26
F 27	4 25 17	5°15'20	0♈49	16° 8	18°47	25°12	0°39	16°33	9°30	24°30	17° 2	19°17	18°29	24°49	27°30	F 27
S 28	4 29 14	6°16'09	12°44	17°26	19°57	25°33	0°42	16°34	9°29	24°32	17° 3	19°18	18°26	24°56	27°26	S 28
S 29	4 33 10	7°16'59	24°45	18°46	21° 6	25°53	0°46	16°35	9°28	24°34	17° 4	19°20	18°23	25° 2	27°23	S 29
M30	4 37 7	8♐17'50	6♑58	20♏ 8	22♑16	26♌12	0♍49	16♓36	9♌27	24♎36	17♒ 4	19♏21	18♏20	25♓ 9	27♊19	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	14s31	9n11	2n51	19s 7	1s37	24s49	1s54	18n 5	1n38	12n54	0n48	7s21	2s18	18n30	0n37	7s38	1n40	24s23	9s 2	17s35	17s43	0n48	17n13	6s15
M 2	14 50	12 46	1 52	18 33	1 19	24 58	1 57	17 58	1 40	12 51	0 48	7 21	2 18	18 30	0 37	7 39	1 40	24 23	9 2	17 35	17 43	0 50	17 12	6 15
T 3	15 9	15 52	0 46	17 55	1 1	25 5	1 59	17 51	1 41	12 49	0 49	7 22	2 18	18 30	0 37	7 40	1 40	24 23	9 2	17 34	17 42	0 52	17 12	6 16
W 4	15 28	18 17	0s23	17 15	0 41	25 12	2 1	17 44	1 42	12 46	0 49	7 22	2 18	18 29	0 37	7 41	1 40	24 23	9 2	17 34	17 41	0 55	17 11	6 16
T 5	15 46	19 50	1 32	16 32	0 20	25 19	2 3	17 37	1 44	12 44	0 49	7 23	2 18	18 29	0 37	7 41	1 40	24 23	9 1	17 35	17 40	0 57	17 11	6 17
F 6	16 4	20 24	2 37	15 49	0n 0	25 25	2 5	17 30	1 45	12 42	0 49	7 23	2 18	18 29	0 38	7 42	1 40	24 22	9 1	17 35	17 39	0 59	17 10	6 17
S 7	16 22	19 52	3 35	15 5	0 21	25 29	2 7	17 23	1 47	12 40	0 50	7 23	2 17	18 29	0 38	7 43	1 40	24 22	9 1	17 35	17 38	1 1	17 10	6 18
S 8	16 40	18 14	4 23	14 24	0 40	25 34	2 9	17 16	1 48	12 37	0 50	7 24	2 17	18 29	0 38	7 44	1 40	24 22	9 1	17 35	17 37	1 3	17 9	6 18
M 9	16 57	15 34	4 57	13 45	0 59	25 37	2 11	17 10	1 50	12 35	0 50	7 24	2 17	18 29	0 38	7 44	1 40	24 22	9 1	17 35	17 37	1 6	17 9	6 19
T 10	17 14	12 1	5 15	13 10	1 16	25 40	2 12	17 3	1 51	12 33	0 50	7 24	2 17	18 29	0 38	7 45	1 40	24 21	9 0	17 35	17 36	1 8	17 8	6 19
W11	17 31	7 44	5 15	12 40	1 32	25 42	2 14	16 56	1 53	12 31	0 50	7 25	2 17	18 29	0 38	7 46	1 40	24 21	9 0	17 35	17 35	1 10	17 8	6 20
T 12	17 47	2 57	4 56	12 15	1 45	25 43	2 16	16 49	1 54	12 29	0 51	7 25	2 17	18 29	0 38	7 47	1 40	24 21	9 0	17 35	17 34	1 12	17 7	6 20
F 13	18 3	2s 3	4 17	11 55	1 57	25 44	2 17	16 43	1 56	12 27	0 51	7 25	2 16	18 29	0 38	7 47	1 40	24 20	9 0	17 35	17 33	1 14	17 7	6 21
S 14	18 19	7 0	3 22	11 42	2 6	25 44	2 19	16 36	1 57	12 25	0 51	7 25	2 16	18 29	0 38	7 48	1 40	24 20	9 0	17 35	17 32	1 17	17 6	6 21
S 15	18 34	11 33	2 14	11 33	2 14	25 43	2 20	16 30	1 59	12 24	0 51	7 25	2 16	18 29	0 38	7 49	1 40	24 20	9 0	17 35	17 31	1 19	17 6	6 21
M16	18 49	15 24	0 57	11 31	2 20	25 41	2 21	16 23	2 1	12 22	0 52	7 25	2 16	18 29	0 38	7 49	1 40	24 20	8 59	17 35	17 31	1 21	17 5	6 22
T 17	19 4	18 16	0n22	11 33	2 24	25 39	2 22	16 17	2 2	12 20	0 52	7 25	2 16	18 29	0 38	7 50	1 40	24 19	8 59	17 35	17 30	1 23	17 5	6 22
W18	19 19	19 57	1 39	11 39	2 26	25 36	2 23	16 11	2 4	12 18	0 52	7 25	2 15	18 29	0 38	7 51	1 40	24 19	8 59	17 35	17 29	1 25	17 4	6 23
T 19	19 33	20 23	2 48	11 50	2 27	25 32	2 24	16 5	2 5	12 17	0 52	7 25	2 15	18 29	0 38	7 52	1 40	24 19	8 59	17 35	17 28	1 27	17 4	6 23
F 20	19 46	19 37	3 46	12 4	2 27	25 27	2 25	15 59	2 7	12 15	0 53	7 24	2 15	18 29	0 38	7 52	1 40	24 18	8 59	17 35	17 27	1 30	17 4	6 23
S 21	20 0	17 48	4 30	12 21	2 26	25 22	2 26	15 53	2 9	12 14	0 53	7 24	2 15	18 30	0 38	7 53	1 40	24 18	8 59	17 34	17 26	1 32	17 3	6 24
S 22	20 13	15 10	5 0	12 40	2 24	25 16	2 26	15 47	2 10	12 12	0 53	7 24	2 15	18 30	0 38	7 54	1 40	24 18	8 58	17 34	17 25	1 34	17 3	6 24
M23	20 25	11 54	5 15	13 2	2 21	25 9	2 27	15 41	2 12	12 11	0 53	7 24	2 15	18 30	0 38	7 54	1 40	24 17	8 58	17 34	17 24	1 36	17 2	6 24
T 24	20 38	8 12	5 15	13 26	2 17	25 2	2 27	15 35	2 14	12 10	0 54	7 23	2 14	18 30	0 38	7 55	1 41	24 17	8 58	17 34	17 24	1 38	17 2	6 25
W25	20 49	4 15	5 2	13 51	2 13	24 54	2 28	15 30	2 16	12 8	0 54	7 23	2 14	18 30	0 38	7 55	1 41	24 16	8 58	17 33	17 23	1 41	17 1	6 25
T 26	21 1	0 9	4 35	14 17	2 8	24 45	2 28	15 24	2 17	12 7	0 54	7 23	2 14	18 30	0 38	7 56	1 41	24 16	8 58	17 34	17 22	1 43	17 1	6 25
F 27	21 12	3n57	3 57	14 44	2 2	24 36	2 28	15 19	2 19	12 6	0 54	7 22	2 14	18 31	0 38	7 57	1 41	24 16	8 58	17 34	17 21	1 45	17 1	6 26
S 28	21 23	7 56	3 9	15 11	1 56	24 25	2 28	15 14	2 21	12 5	0 55	7 22	2 14	18 31	0 38	7 57	1 41	24 15	8 57	17 34	17 20	1 47	17 0	6 26
S 29	21 33	11 38	2 12	15 39	1 50	24 15	2 28	15 9	2 23	12 4	0 55	7 21	2 13	18 31	0 38	7 58	1 41	24 15	8 57	17 35	17 19	1 49	17 0	6 26
M30	21s43	14n55	1n 8	16s 8	1n44	24s 3	2s28	15n 4	2n25	12n 3	0n55	7s20	2s13	18n31	0n38	7s59	1n41	24s15	8s57	17s35	17s18	1n51	17n 0	6s27

Julian Day Number = 2374783.5, Delta T = 21.67 sec
Ecliptic obliquity = 23°27'54, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'21, Lahiri = 20°55'22Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1789
geocentric

DECEMBER 1789 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 41 4	9♐18'42	19♉25	21♏32	23♉26	26♌31	0♍52	16♓37	9°R26	24♎37	17♒ 5	19°R22	18♏17	25♓16	27°R16	T 1
W 2	4 45 0	10°19'36	2♊ 8	22°57	24°35	26°50	0°55	16°38	9♌26	24°39	17° 6	19♏21	18°14	25°22	27♊12	W 2
T 3	4 48 57	11°20'30	15° 6	24°23	25°45	27° 8	0°58	16°40	9°25	24°41	17° 7	19°19	18°10	25°29	27° 8	T 3
F 4	4 52 53	12°21'25	28°21	25°50	26°54	27°26	1° 0	16°41	9°24	24°42	17° 8	19°17	18° 7	25°36	27° 5	F 4
S 5	4 56 50	13°22'21	11♋51	27°17	28° 3	27°43	1° 3	16°43	9°22	24°44	17° 9	19°13	18° 4	25°43	27° 1	S 5
S 6	5 0 46	14°23'18	25°33	28°46	29°12	28° 0	1° 5	16°45	9°21	24°46	17°10	19° 9	18° 1	25°49	26°57	S 6
M 7	5 4 43	15°24'16	9♌25	0♐15	0♒21	28°16	1° 7	16°46	9°20	24°47	17°11	19° 6	17°58	25°56	26°53	M 7
T 8	5 8 39	16°25'16	23°25	1°45	1°30	28°32	1° 9	16°48	9°19	24°49	17°12	19° 3	17°55	26° 3	26°49	T 8
W 9	5 12 36	17°26'16	7♍31	3°15	2°38	28°48	1°10	16°50	9°18	24°50	17°13	19° 1	17°51	26° 9	26°46	W 9
T 10	5 16 33	18°27'18	21°39	4°45	3°46	29° 3	1°12	16°53	9°16	24°52	17°14	19°D 1	17°48	26°16	26°42	T 10
F 11	5 20 29	19°28'21	5♎49	6°16	4°55	29°17	1°13	16°55	9°15	24°53	17°15	19° 1	17°45	26°23	26°38	F 11
S 12	5 24 26	20°29'24	19°59	7°47	6° 3	29°31	1°14	16°57	9°14	24°55	17°16	19° 3	17°42	26°29	26°34	S 12
S 13	5 28 22	21°30'29	4♏ 7	9°18	7°11	29°44	1°15	17° 0	9°12	24°56	17°17	19° 4	17°39	26°36	26°30	S 13
M14	5 32 19	22°31'35	18°10	10°50	8°18	29°57	1°15	17° 2	9°11	24°58	17°18	19°R 5	17°35	26°43	26°26	M14
T 15	5 36 15	23°32'41	2♐ 5	12°21	9°26	0♍ 9	1°16	17° 5	9° 9	24°59	17°19	19° 4	17°32	26°50	26°22	T 15
W16	5 40 12	24°33'48	15°51	13°53	10°33	0°20	1°16	17° 7	9° 7	25° 0	17°21	19° 2	17°29	26°56	26°18	W16
T 17	5 44 8	25°34'56	29°23	15°26	11°40	0°31	1°R16	17°10	9° 6	25° 2	17°22	18°57	17°26	27° 3	26°14	T 17
F 18	5 48 5	26°36'04	12♑40	16°58	12°47	0°42	1°16	17°13	9° 4	25° 3	17°23	18°51	17°23	27°10	26°11	F 18
S 19	5 52 2	27°37'13	25°39	18°31	13°54	0°52	1°15	17°16	9° 2	25° 4	17°24	18°44	17°20	27°16	26° 7	S 19
S 20	5 55 58	28°38'22	8♒20	20° 4	15° 0	1° 1	1°15	17°19	9° 1	25° 6	17°25	18°37	17°16	27°23	26° 3	S 20
M21	5 59 55	29°39'31	20°45	21°37	16° 7	1° 9	1°14	17°23	8°59	25° 7	17°27	18°30	17°13	27°30	25°59	M21
T 22	6 3 51	0♑40'40	2♓55	23°10	17°13	1°17	1°13	17°26	8°57	25° 8	17°28	18°25	17°10	27°36	25°55	T 22
W23	6 7 48	1°41'50	14°54	24°43	18°19	1°24	1°12	17°29	8°55	25° 9	17°29	18°21	17° 7	27°43	25°51	W23
T 24	6 11 44	2°42'59	26°46	26°17	19°24	1°31	1°11	17°33	8°53	25°10	17°31	18°19	17° 4	27°50	25°47	T 24
F 25	6 15 41	3°44'08	8♈36	27°51	20°29	1°37	1° 9	17°36	8°51	25°11	17°32	18°D19	17° 0	27°56	25°43	F 25
S 26	6 19 37	4°45'18	20°29	29°26	21°34	1°42	1° 7	17°40	8°49	25°12	17°33	18°20	16°57	28° 3	25°39	S 26
S 27	6 23 34	5°46'27	2♉31	1♑ 0	22°39	1°46	1° 5	17°44	8°47	25°13	17°35	18°22	16°54	28°10	25°35	S 27
M28	6 27 31	6°47'36	14°46	2°35	23°44	1°50	1° 3	17°48	8°45	25°14	17°36	18°R23	16°51	28°16	25°32	M28
T 29	6 31 27	7°48'45	27°18	4°10	24°48	1°53	1° 1	17°52	8°43	25°15	17°38	18°22	16°48	28°23	25°28	T 29
W30	6 35 24	8°49'54	10♊12	5°46	25°52	1°55	0°59	17°56	8°41	25°16	17°39	18°20	16°45	28°30	25°24	W30
T 31	6 39 20	9♑51'03	23♊27	7♑22	26♒55	1♍57	0♍56	18♓ 0	8♌39	25♎17	17♒40	18♏15	16♏41	28♓37	25♊20	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	21s52	17n36	0s 0	16s36	1n37	23s51	2s28	14n59	2n26	12n 2	0n55	7s20	2s13	18n32	0n39	7s59	1n41	24s14	8s57	17s35	17s17	1n54	16n59	6s27
W 2	22 1	19 28	1 10	17 4	1 30	23 38	2 27	14 54	2 28	12 2	0 56	7 19	2 13	18 32	0 39	8 0	1 41	24 14	8 57	17 35	17 16	1 56	16 59	6 27
T 3	22 10	20 22	2 17	17 32	1 23	23 25	2 27	14 50	2 30	12 1	0 56	7 18	2 13	18 32	0 39	8 0	1 41	24 13	8 57	17 35	17 16	1 58	16 59	6 28
F 4	22 18	20 9	3 18	18 0	1 16	23 11	2 26	14 45	2 32	12 0	0 56	7 18	2 12	18 33	0 39	8 1	1 41	24 13	8 56	17 34	17 15	2 0	16 58	6 28
S 5	22 26	18 47	4 10	18 28	1 9	22 56	2 25	14 41	2 34	12 0	0 56	7 17	2 12	18 33	0 39	8 1	1 41	24 12	8 56	17 33	17 14	2 2	16 58	6 28
S 6	22 33	16 20	4 48	18 54	1 1	22 41	2 24	14 37	2 36	11 59	0 57	7 16	2 12	18 33	0 39	8 2	1 41	24 12	8 56	17 32	17 13	2 4	16 58	6 28
M 7	22 40	12 57	5 9	19 21	0 54	22 26	2 23	14 33	2 38	11 59	0 57	7 15	2 12	18 34	0 39	8 3	1 41	24 11	8 56	17 31	17 12	2 6	16 57	6 28
T 8	22 46	8 48	5 13	19 46	0 47	22 9	2 22	14 29	2 40	11 58	0 57	7 14	2 12	18 34	0 39	8 3	1 41	24 11	8 56	17 30	17 11	2 9	16 57	6 29
W 9	22 52	4 9	4 57	20 11	0 39	21 52	2 21	14 26	2 42	11 58	0 57	7 13	2 11	18 34	0 39	8 4	1 41	24 11	8 56	17 30	17 10	2 11	16 57	6 29
T 10	22 58	0s44	4 24	20 35	0 32	21 35	2 19	14 22	2 44	11 58	0 58	7 12	2 11	18 35	0 39	8 4	1 41	24 10	8 55	17 29	17 9	2 13	16 56	6 29
F 11	23 3	5 36	3 35	20 58	0 25	21 17	2 18	14 19	2 46	11 57	0 58	7 11	2 11	18 35	0 39	8 5	1 41	24 10	8 55	17 30	17 9	2 15	16 56	6 29
S 12	23 7	10 10	2 33	21 21	0 17	20 58	2 16	14 16	2 48	11 57	0 58	7 10	2 11	18 35	0 39	8 5	1 41	24 9	8 55	17 30	17 8	2 17	16 56	6 29
S 13	23 12	14 10	1 21	21 42	0 10	20 39	2 14	14 14	2 50	11 57	0 58	7 9	2 11	18 36	0 39	8 6	1 41	24 9	8 55	17 31	17 7	2 19	16 56	6 30
M14	23 15	17 20	0 5	22 3	0 3	20 20	2 12	14 11	2 52	11 57	0 59	7 8	2 11	18 36	0 39	8 6	1 41	24 8	8 55	17 31	17 6	2 22	16 55	6 30
T 15	23 18	19 27	1n10	22 22	0s 4	20 0	2 10	14 9	2 54	11 57	0 59	7 7	2 10	18 37	0 39	8 6	1 41	24 8	8 55	17 31	17 5	2 24	16 55	6 30
W16	23 21	20 23	2 21	22 40	0 11	19 39	2 8	14 6	2 56	11 58	0 59	7 5	2 10	18 37	0 39	8 7	1 42	24 7	8 55	17 30	17 4	2 26	16 55	6 30
T 17	23 23	20 6	3 22	22 58	0 18	19 19	2 5	14 5	2 58	11 58	0 59	7 4	2 10	18 38	0 39	8 7	1 42	24 7	8 55	17 29	17 3	2 28	16 55	6 30
F 18	23 25	18 42	4 11	23 14	0 25	18 57	2 3	14 3	3 0	11 58	1 0	7 3	2 10	18 38	0 39	8 8	1 42	24 6	8 54	17 27	17 2	2 30	16 55	6 30
S 19	23 27	16 22	4 45	23 29	0 31	18 35	2 0	14 1	3 2	11 58	1 0	7 1	2 10	18 39	0 39	8 8	1 42	24 6	8 54	17 25	17 1	2 32	16 54	6 30
S 20	23 27	13 17	5 5	23 43	0 38	18 13	1 57	14 0	3 5	11 59	1 0	7 0	2 9	18 39	0 39	8 9	1 42	24 5	8 54	17 23	17 0	2 34	16 54	6 30
M21	23 28	9 42	5 9	23 56	0 44	17 51	1 54	13 59	3 7	11 59	1 1	6 59	2 9	18 40	0 39	8 9	1 42	24 5	8 54	17 21	17 0	2 36	16 54	6 30
T 22	23 28	5 47	5 0	24 7	0 50	17 28	1 51	13 58	3 9	12 0	1 1	6 57	2 9	18 40	0 39	8 9	1 42	24 4	8 54	17 20	16 59	2 39	16 54	6 30
W23	23 27	1 41	4 37	24 18	0 56	17 4	1 48	13 58	3 11	12 1	1 1	6 56	2 9	18 41	0 39	8 10	1 42	24 4	8 54	17 19	16 58	2 41	16 54	6 30
T 24	23 26	2n26	4 3	24 27	1 2	16 40	1 45	13 57	3 13	12 1	1 1	6 54	2 9	18 41	0 39	8 10	1 42	24 3	8 54	17 18	16 57	2 43	16 54	6 31
F 25	23 25	6 27	3 18	24 34	1 8	16 16	1 41	13 57	3 16	12 2	1 2	6 52	2 9	18 42	0 39	8 10	1 42	24 3	8 54	17 18	16 56	2 45	16 53	6 31
S 26	23 23	10 15	2 25	24 41	1 13	15 52	1 37	13 58	3 18	12 3	1 2	6 51	2 8	18 42	0 39	8 11	1 42	24 2	8 54	17 18	16 55	2 47	16 53	6 31
S 27	23 20	13 41	1 25	24 46	1 18	15 27	1 34	13 58	3 20	12 4	1 2	6 49	2 8	18 43	0 39	8 11	1 42	24 2	8 53	17 19	16 54	2 49	16 53	6 31
M28	23 17	16 36	0 20	24 50	1 23	15 2	1 30	13 59	3 22	12 5	1 2	6 48	2 8	18 44	0 39	8 11	1 42	24 1	8 53	17 19	16 53	2 51	16 53	6 31
T 29	23 14	18 48	0s48	24 52	1 28	14 37	1 26	14 0	3 25	12 6	1 3	6 46	2 8	18 44	0 39	8 12	1 42	24 0	8 53	17 19	16 52	2 54	16 53	6 31
W30	23 10	20 7	1 55	24 53	1 33	14 11	1 21	14 1	3 27	12 7	1 3	6 44	2 8	18 45	0 39	8 12	1 42	24 0	8 53	17 18	16 51	2 56	16 53	6 30
T 31	23s 6	20n21	2s57	24s53	1s37	13s45	1s17	14n 3	3n29	12n 8	1n 3	6s42	2s 8	18n45	0n39	8s12	1n42	23s59	8s53	17s17	16s51	2n58	16n53	6s30

Julian Day Number = 2374813.5, Delta T = 21.66 sec
Ecliptic obliquity = 23°27'53, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°48'25, Lahiri = 20°55'26Greg. Calendar