Astrodienst Ephemeris Tables

for the year 1583

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 1583
geocentric

JANUARY 1583 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 39 53	10♑ 7'06	3♈49	24°R14	24♐ 3	19°R35	22♒22	6♓36	20♒51	19°R13	3♈55	0°D38	0♑17	5♏49	10♈ 6	S 1
S 2	6 43 50	11° 8'16	17°54	23♐51	25°18	19♐11	22°35	6°41	20°54	19♐11	3°56	0♑38	0°14	5°55	10° 6	S 2
M 3	6 47 46	12° 9'26	2♉ 9	23°38	26°33	18°48	22°48	6°46	20°57	19°10	3°56	0°38	0°11	6° 2	10° 7	M 3
T 4	6 51 43	13°10'35	16°31	23°D34	27°48	18°24	23° 0	6°51	21° 0	19° 8	3°56	0°39	0° 8	6° 9	10° 8	T 4
W 5	6 55 40	14°11'44	0♊57	23°39	29° 4	18° 0	23°13	6°57	21° 3	19° 6	3°57	0°40	0° 5	6°15	10° 8	W 5
T 6	6 59 36	15°12'52	15°23	23°52	0♑19	17°36	23°26	7° 2	21° 6	19° 5	3°57	0°41	0° 1	6°22	10° 9	T 6
F 7	7 3 33	16°14'00	29°44	24°12	1°34	17°12	23°39	7° 8	21° 9	19° 3	3°58	0°R41	29♐58	6°29	10°10	F 7
S 8	7 7 29	17°15'07	13♋55	24°39	2°50	16°48	23°52	7°13	21°12	19° 1	3°58	0°41	29°55	6°35	10°11	S 8
S 9	7 11 26	18°16'14	27°51	25°12	4° 5	16°24	24° 5	7°19	21°15	19° 0	3°58	0°40	29°52	6°42	10°12	S 9
M10	7 15 22	19°17'20	11♌30	25°51	5°20	16° 0	24°18	7°25	21°18	18°58	3°59	0°38	29°49	6°49	10°13	M10
T 11	7 19 19	20°18'26	24°47	26°34	6°36	15°36	24°31	7°30	21°21	18°56	3°59	0°35	29°46	6°56	10°15	T 11
W12	7 23 15	21°19'31	7♍44	27°22	7°51	15°13	24°44	7°36	21°24	18°55	4° 0	0°31	29°42	7° 2	10°16	W12
T 13	7 27 12	22°20'36	20°20	28°14	9° 6	14°50	24°58	7°42	21°27	18°53	4° 1	0°28	29°39	7° 9	10°17	T 13
F 14	7 31 9	23°21'41	2♎40	29°10	10°21	14°27	25°11	7°48	21°30	18°51	4° 1	0°26	29°36	7°16	10°18	F 14
S 15	7 35 5	24°22'45	14°45	0♑ 9	11°37	14° 4	25°24	7°54	21°33	18°49	4° 2	0°24	29°33	7°22	10°20	S 15
S 16	7 39 2	25°23'49	26°40	1°11	12°52	13°42	25°38	8° 0	21°37	18°48	4° 2	0°D24	29°30	7°29	10°21	S 16
M17	7 42 58	26°24'52	8♏31	2°15	14° 7	13°21	25°51	8° 6	21°40	18°46	4° 3	0°24	29°26	7°36	10°23	M17
T 18	7 46 55	27°25'55	20°22	3°22	15°23	12°59	26° 5	8°12	21°43	18°44	4° 4	0°26	29°23	7°42	10°24	T 18
W19	7 50 51	28°26'58	2♐18	4°31	16°38	12°39	26°19	8°18	21°46	18°43	4° 4	0°28	29°20	7°49	10°26	W19
T 20	7 54 48	29°27'59	14°24	5°42	17°53	12°18	26°32	8°24	21°50	18°41	4° 5	0°29	29°17	7°56	10°27	T 20
F 21	7 58 44	0♒29'01	26°43	6°55	19° 8	11°59	26°46	8°31	21°53	18°39	4° 6	0°R30	29°14	8° 2	10°29	F 21
S 22	8 2 41	1°30'01	9♑19	8°10	20°24	11°40	27° 0	8°37	21°56	18°38	4° 7	0°30	29°11	8° 9	10°31	S 22
S 23	8 6 38	2°31'01	22°13	9°26	21°39	11°21	27°14	8°44	21°59	18°36	4° 7	0°28	29° 7	8°16	10°33	S 23
M24	8 10 34	3°31'59	5♒24	10°44	22°54	11° 3	27°28	8°50	22° 3	18°34	4° 8	0°25	29° 4	8°23	10°34	M24
T 25	8 14 31	4°32'57	18°53	12° 3	24°10	10°46	27°41	8°56	22° 6	18°33	4° 9	0°20	29° 1	8°29	10°36	T 25
W26	8 18 27	5°33'54	2♓37	13°23	25°25	10°30	27°55	9° 3	22° 9	18°31	4°10	0°14	28°58	8°36	10°38	W26
T 27	8 22 24	6°34'49	16°33	14°44	26°40	10°14	28° 9	9°10	22°13	18°30	4°11	0° 8	28°55	8°43	10°40	T 27
F 28	8 26 20	7°35'43	0♈37	16° 7	27°55	9°59	28°23	9°16	22°16	18°28	4°12	0° 3	28°52	8°49	10°42	F 28
S 29	8 30 17	8°36'35	14°45	17°30	29°10	9°45	28°37	9°23	22°20	18°26	4°13	29♐59	28°48	8°56	10°44	S 29
S 30	8 34 13	9°37'26	28°55	18°55	0♒26	9°32	28°51	9°30	22°23	18°25	4°13	29°56	28°45	9° 3	10°47	S 30
M31	8 38 10	10♒38'16	13♉ 4	20♑21	1♒41	9♐19	29♒ 6	9♓36	22♒26	18♐23	4♈14	29°D56	28♐42	9♏ 9	10♈49	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	23s 6	6n22	5n16	20s 9	3n13	23s 4	0n17	25n58	3n57	14s59	0s56	10s50	1s52	15s14	0s42	21n32	0s35	13s55	16s54	23s30	23s30	17s26	5n25	1n32
S 2	23 2	11 42	5 3	20 11	3 10	23 10	0 15	26 3	3 58	14 54	0 56	10 48	1 52	15 14	0 42	21 32	0 35	13 55	16 54	23 30	23 30	17 28	5 25	1 32
M 3	22 56	16 28	4 30	20 15	3 6	23 15	0 12	26 8	4 0	14 50	0 56	10 46	1 52	15 13	0 42	21 32	0 35	13 55	16 54	23 30	23 30	17 30	5 26	1 32
T 4	22 50	20 20	3 41	20 20	3 0	23 19	0 10	26 13	4 1	14 46	0 56	10 44	1 51	15 12	0 42	21 33	0 35	13 54	16 53	23 30	23 30	17 32	5 26	1 32
W 5	22 44	22 58	2 37	20 27	2 53	23 22	0 7	26 17	4 2	14 42	0 56	10 42	1 51	15 11	0 42	21 33	0 35	13 54	16 53	23 29	23 30	17 33	5 26	1 32
T 6	22 37	24 5	1 24	20 35	2 46	23 25	0 5	26 21	4 4	14 37	0 56	10 40	1 51	15 10	0 42	21 33	0 35	13 53	16 53	23 29	23 30	17 35	5 26	1 32
F 7	22 30	23 35	0 5	20 44	2 38	23 27	0 2	26 26	4 5	14 33	0 56	10 38	1 51	15 9	0 42	21 33	0 35	13 53	16 52	23 29	23 30	17 37	5 26	1 31
S 8	22 23	21 34	1s12	20 54	2 29	23 28	0s 0	26 30	4 6	14 29	0 56	10 36	1 51	15 8	0 42	21 34	0 35	13 52	16 52	23 29	23 30	17 39	5 26	1 31
S 9	22 15	18 17	2 25	21 4	2 20	23 29	0 3	26 34	4 6	14 24	0 56	10 34	1 51	15 7	0 42	21 34	0 35	13 52	16 52	23 30	23 30	17 40	5 27	1 31
M10	22 6	14 4	3 27	21 15	2 11	23 28	0 5	26 37	4 7	14 20	0 56	10 31	1 51	15 6	0 42	21 34	0 35	13 51	16 51	23 30	23 30	17 42	5 27	1 31
T 11	21 57	9 16	4 16	21 26	2 1	23 27	0 8	26 41	4 8	14 16	0 56	10 29	1 51	15 5	0 42	21 34	0 35	13 51	16 51	23 30	23 30	17 44	5 27	1 31
W12	21 48	4 12	4 50	21 36	1 52	23 26	0 10	26 44	4 8	14 11	0 56	10 27	1 51	15 4	0 42	21 35	0 35	13 50	16 51	23 30	23 30	17 45	5 28	1 31
T 13	21 38	0s55	5 10	21 47	1 42	23 23	0 13	26 47	4 9	14 7	0 56	10 25	1 51	15 3	0 42	21 35	0 35	13 49	16 50	23 30	23 30	17 47	5 28	1 30
F 14	21 28	5 52	5 15	21 57	1 32	23 20	0 15	26 50	4 9	14 2	0 56	10 22	1 51	15 2	0 42	21 35	0 35	13 49	16 50	23 30	23 30	17 49	5 28	1 30
S 15	21 17	10 30	5 5	22 7	1 23	23 17	0 18	26 53	4 9	13 58	0 56	10 20	1 50	15 1	0 42	21 35	0 35	13 48	16 49	23 30	23 30	17 51	5 29	1 30
S 16	21 6	14 41	4 42	22 16	1 13	23 12	0 20	26 55	4 9	13 53	0 56	10 18	1 50	15 0	0 42	21 36	0 35	13 48	16 49	23 30	23 30	17 52	5 29	1 30
M17	20 55	18 17	4 8	22 25	1 3	23 7	0 22	26 58	4 9	13 48	0 56	10 15	1 50	14 59	0 42	21 36	0 35	13 47	16 49	23 30	23 30	17 54	5 30	1 30
T 18	20 43	21 8	3 23	22 33	0 54	23 1	0 25	27 0	4 9	13 44	0 56	10 13	1 50	14 58	0 42	21 36	0 35	13 47	16 48	23 30	23 30	17 56	5 30	1 30
W19	20 31	23 6	2 29	22 41	0 44	22 54	0 27	27 1	4 9	13 39	0 56	10 11	1 50	14 56	0 42	21 36	0 35	13 46	16 48	23 30	23 30	17 57	5 31	1 30
T 20	20 19	24 1	1 27	22 47	0 35	22 47	0 29	27 3	4 9	13 34	0 56	10 8	1 50	14 55	0 42	21 37	0 35	13 46	16 48	23 30	23 29	17 59	5 31	1 29
F 21	20 6	23 48	0 21	22 53	0 26	22 39	0 32	27 5	4 9	13 30	0 56	10 6	1 50	14 54	0 42	21 37	0 35	13 45	16 47	23 30	23 29	18 1	5 32	1 29
S 22	19 52	22 22	0n48	22 57	0 17	22 30	0 34	27 6	4 8	13 25	0 56	10 3	1 50	14 53	0 42	21 37	0 35	13 44	16 47	23 30	23 29	18 2	5 32	1 29
S 23	19 39	19 45	1 56	23 1	0 9	22 20	0 36	27 7	4 8	13 20	0 56	10 1	1 50	14 52	0 42	21 37	0 35	13 44	16 47	23 30	23 29	18 4	5 33	1 29
M24	19 24	16 4	2 59	23 3	0 0	22 10	0 38	27 8	4 7	13 15	0 56	9 58	1 50	14 51	0 42	21 38	0 35	13 43	16 47	23 30	23 29	18 6	5 33	1 29
T 25	19 10	11 30	3 54	23 5	0s 8	21 59	0 40	27 9	4 6	13 11	0 56	9 56	1 50	14 50	0 42	21 38	0 35	13 43	16 46	23 30	23 29	18 7	5 34	1 29
W26	18 55	6 16	4 36	23 5	0 16	21 48	0 42	27 9	4 6	13 6	0 56	9 53	1 50	14 49	0 42	21 38	0 35	13 42	16 46	23 30	23 29	18 9	5 35	1 28
T 27	18 40	0 41	5 2	23 5	0 24	21 36	0 44	27 10	4 5	13 1	0 56	9 51	1 50	14 48	0 42	21 38	0 35	13 41	16 46	23 30	23 29	18 11	5 35	1 28
F 28	18 25	4n59	5 11	23 3	0 32	21 23	0 47	27 10	4 4	12 56	0 56	9 48	1 50	14 47	0 42	21 38	0 35	13 41	16 45	23 30	23 29	18 12	5 36	1 28
S 29	18 9	10 26	5 0	22 59	0 39	21 10	0 49	27 10	4 3	12 51	0 56	9 46	1 50	14 46	0 42	21 39	0 35	13 40	16 45	23 30	23 29	18 14	5 37	1 28
S 30	17 53	15 21	4 32	22 55	0 46	20 56	0 50	27 10	4 2	12 46	0 56	9 43	1 50	14 44	0 42	21 39	0 35	13 39	16 45	23 30	23 29	18 16	5 37	1 28
M31	17s36	19n24	3n47	22s49	0s53	20s41	0s52	27n10	4n 1	12s41	0s56	9s41	1s50	14s43	0s42	21n39	0s35	13s39	16s44	23s30	23s29	18s17	5n38	1n28

Julian Day Number = 2299238.5, Delta T = 114.82 sec
Ecliptic obliquity = 23°29'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'15, Lahiri = 18°02'15Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

FEBRUARY 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 42 7	11♒39'04	27♉11	21♉47	2♒56	9°R 8	29♒20	9♓43	22♒30	18°R22	4♈15	29♐57	28♐39	9♏16	10♈51	T 1
W 2	8 46 3	12°39'51	11♊14	23°15	4°11	8♋57	29°34	9°50	22°33	18♋20	4°16	29°58	28°36	9°23	10°53	W 2
T 3	8 50 0	13°40'36	25°12	24°43	5°26	8°46	29°48	9°57	22°37	18°19	4°17	29°R59	28°32	9°29	10°56	T 3
F 4	8 53 56	14°41'19	9♋ 4	26°12	6°42	8°37	0♓ 2	10° 4	22°40	18°17	4°18	29°59	28°29	9°36	10°58	F 4
S 5	8 57 53	15°42'01	22°47	27°43	7°57	8°28	0°17	10°11	22°44	18°16	4°19	29°57	28°26	9°43	11° 0	S 5
S 6	9 1 49	16°42'42	6♌20	29°14	9°12	8°20	0°31	10°18	22°47	18°14	4°20	29°52	28°23	9°50	11° 3	S 6
M 7	9 5 46	17°43'21	19°41	0♒46	10°27	8°13	0°45	10°25	22°50	18°13	4°21	29°45	28°20	9°56	11° 5	M 7
T 8	9 9 42	18°43'58	2♍46	2°19	11°42	8° 7	1° 0	10°32	22°54	18°12	4°22	29°37	28°17	10° 3	11° 8	T 8
W 9	9 13 39	19°44'34	15°35	3°52	12°57	8° 2	1°14	10°39	22°57	18°10	4°24	29°27	28°13	10°10	11°10	W 9
T 10	9 17 36	20°45'09	28° 8	5°27	14°13	7°57	1°28	10°46	23° 1	18° 9	4°25	29°18	28°10	10°16	11°13	T 10
F 11	9 21 32	21°45'42	10♎26	7° 2	15°28	7°53	1°43	10°53	23° 4	18° 7	4°26	29° 9	28° 7	10°23	11°16	F 11
S 12	9 25 29	22°46'14	22°32	8°39	16°43	7°50	1°57	11° 0	23° 8	18° 6	4°27	29° 3	28° 4	10°30	11°18	S 12
S 13	9 29 25	23°46'45	4♏27	10°16	17°58	7°48	2°12	11° 7	23°11	18° 5	4°28	28°58	28° 1	10°36	11°21	S 13
M14	9 33 22	24°47'14	16°18	11°54	19°13	7°46	2°26	11°14	23°15	18° 3	4°29	28°56	27°57	10°43	11°24	M14
T 15	9 37 18	25°47'42	28° 8	13°33	20°28	7°46	2°40	11°21	23°18	18° 2	4°30	28°D56	27°54	10°50	11°27	T 15
W16	9 41 15	26°48'09	10♐ 3	15°13	21°43	7°D46	2°55	11°29	23°22	18° 1	4°32	28°56	27°51	10°56	11°30	W16
T 17	9 45 11	27°48'34	22° 9	16°54	22°58	7°46	3° 9	11°36	23°25	18° 0	4°33	28°57	27°48	11° 3	11°32	T 17
F 18	9 49 8	28°48'58	4♑30	18°36	24°13	7°48	3°24	11°43	23°29	17°58	4°34	28°R57	27°45	11°10	11°35	F 18
S 19	9 53 5	29°49'21	17°11	20°19	25°28	7°50	3°38	11°50	23°32	17°57	4°35	28°55	27°42	11°16	11°38	S 19
S 20	9 57 1	0♓49'42	0♒15	22° 3	26°43	7°53	3°53	11°58	23°35	17°56	4°36	28°51	27°38	11°23	11°41	S 20
M21	10 0 58	1°50'01	13°43	23°48	27°58	7°56	4° 7	12° 5	23°39	17°55	4°38	28°45	27°35	11°30	11°44	M21
T 22	10 4 54	2°50'19	27°34	25°34	29°13	8° 1	4°22	12°12	23°42	17°54	4°39	28°36	27°32	11°37	11°47	T 22
W23	10 8 51	3°50'34	11♓44	27°21	0♓28	8° 6	4°36	12°20	23°46	17°53	4°40	28°25	27°29	11°43	11°50	W23
T 24	10 12 47	4°50'48	26° 9	29° 8	1°43	8°11	4°51	12°27	23°49	17°52	4°42	28°14	27°26	11°50	11°54	T 24
F 25	10 16 44	5°51'00	10♈41	0♓57	2°58	8°17	5° 5	12°34	23°53	17°51	4°43	28° 4	27°23	11°57	11°57	F 25
S 26	10 20 40	6°51'10	25°14	2°48	4°13	8°24	5°20	12°42	23°56	17°50	4°44	27°56	27°19	12° 3	12° 0	S 26
S 27	10 24 37	7°51'18	9♉42	4°39	5°28	8°32	5°34	12°49	23°59	17°49	4°45	27°51	27°16	12°10	12° 3	S 27
M28	10 28 34	8♓51'24	24♉ 0	6♓31	6♓43	8♋40	5♓49	12♓56	24♒ 3	17♋48	4♈47	27♐48	27♐13	12♏17	12♈ 6	M28

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	17s20	22n18	2n48	22s43	1s 0	20s26	0s54	27n10	4n 0	12s36	0s56	9s38	1s49	14s42	0s42	21n39	0s35	13s38	16s44	23s30	23s29	18s19	5n39	1n28
W 2	17 3	23 50	1 40	22 34	1 6	20 10	0 56	27 9	3 58	12 31	0 56	9 35	1 49	14 41	0 42	21 40	0 35	13 38	16 44	23 30	23 29	18 21	5 40	1 27
T 3	16 45	23 50	0 26	22 25	1 12	19 53	0 58	27 9	3 57	12 26	0 56	9 33	1 49	14 40	0 42	21 40	0 35	13 37	16 44	23 30	23 29	18 22	5 40	1 27
F 4	16 28	22 22	0s49	22 14	1 18	19 36	1 0	27 8	3 56	12 21	0 56	9 30	1 49	14 39	0 42	21 40	0 35	13 36	16 43	23 30	23 29	18 24	5 41	1 27
S 5	16 10	19 35	2 0	22 2	1 24	19 19	1 1	27 7	3 54	12 16	0 56	9 27	1 49	14 38	0 42	21 40	0 35	13 36	16 43	23 30	23 29	18 25	5 42	1 27
S 6	15 52	15 46	3 3	21 48	1 29	19 0	1 3	27 6	3 53	12 11	0 56	9 25	1 49	14 37	0 42	21 41	0 35	13 35	16 43	23 30	23 29	18 27	5 43	1 27
M 7	15 33	11 13	3 55	21 34	1 34	18 42	1 5	27 6	3 52	12 6	0 56	9 22	1 49	14 35	0 42	21 41	0 35	13 34	16 43	23 30	23 29	18 29	5 44	1 27
T 8	15 15	6 15	4 34	21 17	1 38	18 22	1 6	27 4	3 50	12 1	0 56	9 19	1 49	14 34	0 42	21 41	0 35	13 34	16 42	23 30	23 29	18 30	5 44	1 27
W 9	14 56	1 7	4 58	21 0	1 43	18 3	1 8	27 3	3 49	11 56	0 56	9 17	1 49	14 33	0 42	21 41	0 35	13 33	16 42	23 30	23 29	18 32	5 45	1 26
T 10	14 37	3s56	5 6	20 41	1 47	17 42	1 9	27 2	3 47	11 51	0 56	9 14	1 49	14 32	0 42	21 41	0 35	13 32	16 42	23 29	23 29	18 33	5 46	1 26
F 11	14 17	8 45	5 1	20 20	1 50	17 21	1 10	27 1	3 46	11 46	0 56	9 11	1 49	14 31	0 42	21 42	0 35	13 32	16 42	23 29	23 29	18 35	5 47	1 26
S 12	13 57	13 8	4 41	19 58	1 54	17 0	1 12	27 0	3 44	11 41	0 56	9 8	1 49	14 30	0 42	21 42	0 35	13 31	16 41	23 29	23 29	18 37	5 48	1 26
S 13	13 37	16 57	4 10	19 35	1 57	16 38	1 13	26 58	3 43	11 36	0 56	9 6	1 49	14 29	0 42	21 42	0 35	13 30	16 41	23 29	23 29	18 38	5 49	1 26
M14	13 17	20 4	3 28	19 10	1 59	16 16	1 14	26 57	3 41	11 30	0 56	9 3	1 49	14 27	0 42	21 42	0 35	13 30	16 41	23 29	23 29	18 40	5 50	1 26
T 15	12 57	22 21	2 37	18 44	2 2	15 53	1 15	26 55	3 40	11 25	0 56	9 0	1 49	14 26	0 42	21 42	0 34	13 29	16 41	23 29	23 29	18 41	5 51	1 26
W16	12 36	23 39	1 40	18 16	2 4	15 30	1 16	26 54	3 38	11 20	0 56	8 58	1 49	14 25	0 42	21 43	0 34	13 28	16 40	23 29	23 29	18 43	5 52	1 26
T 17	12 16	23 52	0 36	17 47	2 5	15 7	1 18	26 52	3 36	11 15	0 56	8 55	1 49	14 24	0 42	21 43	0 34	13 28	16 40	23 29	23 29	18 44	5 53	1 25
F 18	11 55	22 55	0n30	17 17	2 6	14 43	1 19	26 50	3 35	11 10	0 56	8 52	1 49	14 23	0 42	21 43	0 34	13 27	16 40	23 29	23 28	18 46	5 54	1 25
S 19	11 34	20 48	1 36	16 45	2 7	14 18	1 19	26 48	3 33	11 4	0 56	8 49	1 49	14 22	0 42	21 43	0 34	13 26	16 40	23 29	23 28	18 47	5 55	1 25
S 20	11 12	17 33	2 39	16 12	2 7	13 54	1 20	26 47	3 32	10 59	0 56	8 46	1 49	14 21	0 42	21 43	0 34	13 26	16 40	23 29	23 28	18 49	5 56	1 25
M21	10 51	13 19	3 35	15 37	2 7	13 28	1 21	26 45	3 30	10 54	0 57	8 44	1 49	14 20	0 42	21 43	0 34	13 25	16 39	23 29	23 28	18 50	5 57	1 25
T 22	10 29	8 17	4 20	15 1	2 6	13 3	1 22	26 43	3 28	10 49	0 57	8 41	1 49	14 18	0 42	21 44	0 34	13 24	16 39	23 29	23 28	18 52	5 58	1 25
W23	10 7	2 42	4 50	14 23	2 5	12 37	1 23	26 41	3 27	10 43	0 57	8 38	1 49	14 17	0 42	21 44	0 34	13 24	16 39	23 29	23 28	18 54	5 59	1 25
T 24	9 45	3n 5	5 2	13 44	2 4	12 11	1 23	26 39	3 25	10 38	0 57	8 35	1 49	14 16	0 42	21 44	0 34	13 23	16 39	23 29	23 28	18 55	6 1	1 25
F 25	9 23	8 46	4 55	13 3	2 2	11 44	1 24	26 37	3 23	10 33	0 57	8 32	1 49	14 15	0 42	21 44	0 34	13 22	16 39	23 29	23 28	18 57	6 2	1 24
S 26	9 1	13 57	4 29	12 21	1 59	11 18	1 24	26 35	3 22	10 27	0 57	8 30	1 49	14 14	0 42	21 44	0 34	13 22	16 38	23 29	23 28	18 58	6 3	1 24
S 27	8 39	18 19	3 46	11 38	1 56	10 50	1 25	26 33	3 20	10 22	0 57	8 27	1 49	14 13	0 42	21 44	0 34	13 21	16 38	23 29	23 28	19 0	6 4	1 24
M28	8s16	21n33	2n49	10s53	1s53	10s23	1s25	26n31	3n18	10s17	0s57	8s24	1s49	14s12	0s42	21n45	0s34	13s20	16s38	23s29	23s28	19s 1	6n 5	1n24

Julian Day Number = 2299269.5, Delta T = 114.68 sec
Ecliptic obliquity = 23°29'36, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'19, Lahiri = 18°02'19Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

MARCH 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 32 30	9♓51'28	8♊ 7	8♓24	7♓58	8♋49	6♓ 3	13♓ 4	24♒ 6	17°R47	4♈48	27°D47	27♐10	12♏23	12♈10	T 1
W 2	10 36 27	10°51'30	22° 1	10°18	9°13	8°58	6°18	13°11	24°10	17♋46	4°49	27°R47	27° 7	12°30	12°13	W 2
T 3	10 40 23	11°51'29	5♋42	12°13	10°28	9° 8	6°32	13°18	24°13	17°45	4°51	27♐47	27° 3	12°37	12°16	T 3
F 4	10 44 20	12°51'26	19°12	14° 9	11°42	9°19	6°47	13°26	24°16	17°44	4°52	27°46	27° 0	12°43	12°20	F 4
S 5	10 48 16	13°51'21	2♌31	16° 5	12°57	9°30	7° 1	13°33	24°20	17°43	4°54	27°41	26°57	12°50	12°23	S 5
S 6	10 52 13	14°51'14	15°40	18° 3	14°12	9°42	7°16	13°41	24°23	17°43	4°55	27°34	26°54	12°57	12°26	S 6
M 7	10 56 9	15°51'04	28°38	20° 1	15°27	9°54	7°30	13°48	24°26	17°42	4°56	27°24	26°51	13° 3	12°30	M 7
T 8	11 0 6	16°50'53	11♍24	21°59	16°42	10° 6	7°45	13°55	24°29	17°41	4°58	27°12	26°48	13°10	12°33	T 8
W 9	11 4 3	17°50'39	23°59	23°58	17°56	10°20	7°59	14° 3	24°33	17°40	4°59	26°58	26°44	13°17	12°37	W 9
T 10	11 7 59	18°50'23	6♎22	25°57	19°11	10°33	8°13	14°10	24°36	17°40	5° 1	26°45	26°41	13°23	12°40	T 10
F 11	11 11 56	19°50'06	18°33	27°55	20°26	10°48	8°28	14°17	24°39	17°39	5° 2	26°32	26°38	13°30	12°43	F 11
S 12	11 15 52	20°49'47	0♏34	29°54	21°41	11° 2	8°42	14°25	24°42	17°39	5° 3	26°21	26°35	13°37	12°47	S 12
S 13	11 19 49	21°49'26	12°28	1♈52	22°55	11°17	8°56	14°32	24°45	17°38	5° 5	26°13	26°32	13°43	12°51	S 13
M14	11 23 45	22°49'03	24°17	3°48	24°10	11°33	9°11	14°39	24°49	17°38	5° 6	26° 8	26°29	13°50	12°54	M14
T 15	11 27 42	23°48'38	6♐ 6	5°44	25°25	11°49	9°25	14°47	24°52	17°37	5° 8	26° 6	26°25	13°57	12°58	T 15
W16	11 31 38	24°48'11	18° 0	7°37	26°39	12° 5	9°39	14°54	24°55	17°37	5° 9	26° 5	26°22	14° 4	13° 1	W16
T 17	11 35 35	25°47'43	0♑ 3	9°29	27°54	12°22	9°54	15° 1	24°58	17°36	5°11	26° 5	26°19	14°10	13° 5	T 17
F 18	11 39 32	26°47'13	12°23	11°18	29° 9	12°40	10° 8	15° 9	25° 1	17°36	5°12	26° 4	26°16	14°17	13° 8	F 18
S 19	11 43 28	27°46'41	25° 3	13° 4	0♈23	12°57	10°22	15°16	25° 4	17°35	5°13	26° 2	26°13	14°24	13°12	S 19
S 20	11 47 25	28°46'08	8♒ 8	14°46	1°38	13°15	10°36	15°23	25° 7	17°35	5°15	25°58	26° 9	14°30	13°16	S 20
M21	11 51 21	29°45'32	21°41	16°25	2°52	13°34	10°50	15°30	25°10	17°35	5°16	25°51	26° 6	14°37	13°19	M21
T 22	11 55 18	0♈44'55	5♓41	17°59	4° 7	13°53	11° 4	15°38	25°13	17°34	5°18	25°42	26° 3	14°44	13°23	T 22
W23	11 59 14	1°44'16	20° 7	19°28	5°22	14°12	11°18	15°45	25°16	17°34	5°19	25°30	26° 0	14°50	13°27	W23
T 24	12 3 11	2°43'34	4♈53	20°53	6°36	14°32	11°32	15°52	25°19	17°34	5°21	25°19	25°57	14°57	13°30	T 24
F 25	12 7 7	3°42'51	19°49	22°12	7°51	14°52	11°46	15°59	25°22	17°34	5°22	25° 8	25°54	15° 4	13°34	F 25
S 26	12 11 4	4°42'05	4♉47	23°25	9° 5	15°12	12° 0	16° 6	25°25	17°34	5°24	24°59	25°50	15°10	13°38	S 26
S 27	12 15 0	5°41'17	19°38	24°33	10°19	15°33	12°14	16°13	25°28	17°34	5°25	24°52	25°47	15°17	13°41	S 27
M28	12 18 57	6°40'27	4♊15	25°34	11°34	15°54	12°28	16°21	25°31	17°34	5°27	24°49	25°44	15°24	13°45	M28
T 29	12 22 54	7°39'35	18°33	26°29	12°48	16°15	12°42	16°28	25°33	17°D34	5°28	24°48	25°41	15°30	13°49	T 29
W30	12 26 50	8°38'41	2♋32	27°17	14° 3	16°37	12°56	16°35	25°36	17°34	5°29	24°48	25°38	15°37	13°53	W30
T 31	12 30 47	9♈37'44	16♋11	27♈59	15♈17	16♋59	13♓10	16♓42	25♒39	17♋34	5♈31	24♐47	25♐34	15♏44	13♈56	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	7s53	23n24	1n42	10s 7	1s48	9s55	1s25	26n28	3n17	10s12	0s57	8s21	1s49	14s11	0s42	21n45	0s34	13s20	16s38	23s28	23s28	19s 3	6n 6	1n24
W 2	7 31	23 46	0 31	9 19	1 44	9 27	1 26	26 26	3 15	10 6	0 57	8 18	1 49	14 9	0 42	21 45	0 34	13 19	16 38	23 28	23 28	19 4	6 7	1 24
T 3	7 8	22 40	0s42	8 31	1 39	8 59	1 26	26 24	3 14	10 1	0 57	8 16	1 50	14 8	0 42	21 45	0 34	13 18	16 38	23 28	23 28	19 5	6 9	1 24
F 4	6 45	20 17	1 51	7 41	1 33	8 31	1 26	26 21	3 12	9 56	0 57	8 13	1 50	14 7	0 42	21 45	0 34	13 18	16 38	23 28	23 28	19 7	6 10	1 24
S 5	6 22	16 50	2 53	6 50	1 27	8 2	1 26	26 19	3 10	9 50	0 57	8 10	1 50	14 6	0 42	21 45	0 34	13 17	16 37	23 28	23 27	19 8	6 11	1 24
S 6	5 59	12 36	3 45	5 57	1 20	7 33	1 26	26 16	3 9	9 45	0 57	8 7	1 50	14 5	0 42	21 45	0 34	13 16	16 37	23 28	23 27	19 10	6 12	1 23
M 7	5 36	7 51	4 24	5 4	1 12	7 4	1 26	26 14	3 7	9 40	0 57	8 4	1 50	14 4	0 42	21 46	0 34	13 16	16 37	23 28	23 27	19 11	6 14	1 23
T 8	5 12	2 51	4 49	4 10	1 4	6 35	1 26	26 11	3 6	9 34	0 57	8 2	1 50	14 3	0 42	21 46	0 34	13 15	16 37	23 28	23 27	19 13	6 15	1 23
W 9	4 49	2s11	5 0	3 15	0 56	6 5	1 26	26 9	3 4	9 29	0 57	7 59	1 50	14 2	0 42	21 46	0 34	13 15	16 37	23 28	23 27	19 14	6 16	1 23
T 10	4 26	7 3	4 56	2 19	0 46	5 36	1 25	26 6	3 2	9 24	0 58	7 56	1 50	14 1	0 42	21 46	0 34	13 14	16 37	23 27	23 27	19 16	6 17	1 23
F 11	4 2	11 34	4 39	1 23	0 37	5 6	1 25	26 3	3 1	9 18	0 58	7 53	1 50	14 0	0 42	21 46	0 34	13 13	16 37	23 27	23 27	19 17	6 19	1 23
S 12	3 39	15 35	4 9	0 27	0 26	4 36	1 25	26 1	2 59	9 13	0 58	7 50	1 50	13 59	0 42	21 46	0 34	13 13	16 37	23 27	23 27	19 18	6 20	1 23
S 13	3 15	18 55	3 29	0n30	0 16	4 6	1 24	25 58	2 58	9 8	0 58	7 48	1 50	13 58	0 42	21 46	0 34	13 12	16 37	23 26	23 27	19 20	6 21	1 23
M14	2 51	21 28	2 40	1 27	0 5	3 36	1 24	25 55	2 56	9 2	0 58	7 45	1 50	13 57	0 42	21 46	0 34	13 11	16 37	23 26	23 27	19 21	6 22	1 23
T 15	2 28	23 5	1 44	2 23	0n 7	3 6	1 23	25 52	2 55	8 57	0 58	7 42	1 50	13 55	0 42	21 46	0 34	13 11	16 36	23 26	23 27	19 23	6 24	1 22
W16	2 4	23 40	0 43	3 19	0 19	2 36	1 22	25 49	2 53	8 52	0 58	7 39	1 50	13 54	0 42	21 46	0 34	13 10	16 36	23 26	23 27	19 24	6 25	1 22
T 17	1 40	23 9	0n21	4 14	0 31	2 5	1 22	25 46	2 52	8 46	0 58	7 36	1 50	13 53	0 42	21 47	0 34	13 9	16 36	23 26	23 27	19 26	6 26	1 22
F 18	1 17	21 30	1 25	5 8	0 43	1 35	1 21	25 43	2 50	8 41	0 58	7 34	1 50	13 52	0 42	21 47	0 34	13 9	16 36	23 26	23 26	19 27	6 28	1 22
S 19	0 53	18 46	2 27	6 1	0 55	1 4	1 20	25 40	2 49	8 36	0 58	7 31	1 50	13 51	0 42	21 47	0 34	13 8	16 36	23 26	23 26	19 28	6 29	1 22
S 20	0 29	15 1	3 23	6 52	1 8	0 34	1 19	25 36	2 47	8 31	0 58	7 28	1 51	13 50	0 42	21 47	0 34	13 8	16 36	23 26	23 26	19 30	6 30	1 22
M21	0 6	10 22	4 9	7 42	1 20	0 3	1 18	25 33	2 46	8 25	0 59	7 25	1 51	13 49	0 42	21 47	0 34	13 7	16 36	23 26	23 26	19 31	6 32	1 22
T 22	0n18	5 4	4 43	8 29	1 32	0n27	1 17	25 30	2 44	8 20	0 59	7 23	1 51	13 48	0 42	21 47	0 34	13 6	16 36	23 25	23 26	19 32	6 33	1 22
W23	0 42	0n40	4 59	9 14	1 44	0 58	1 16	25 26	2 43	8 15	0 59	7 20	1 51	13 47	0 42	21 47	0 34	13 6	16 36	23 25	23 26	19 34	6 34	1 22
T 24	1 5	6 28	4 56	9 57	1 55	1 29	1 15	25 23	2 42	8 9	0 59	7 17	1 51	13 46	0 42	21 47	0 33	13 5	16 36	23 25	23 26	19 35	6 36	1 22
F 25	1 29	11 59	4 33	10 37	2 6	1 59	1 14	25 19	2 40	8 4	0 59	7 15	1 51	13 45	0 42	21 47	0 33	13 5	16 36	23 24	23 26	19 37	6 37	1 22
S 26	1 52	16 47	3 52	11 14	2 17	2 30	1 13	25 15	2 39	7 59	0 59	7 12	1 51	13 45	0 42	21 47	0 33	13 4	16 36	23 24	23 26	19 38	6 38	1 21
S 27	2 16	20 29	2 55	11 48	2 27	3 0	1 11	25 11	2 37	7 54	0 59	7 9	1 51	13 44	0 42	21 47	0 33	13 4	16 36	23 24	23 26	19 39	6 40	1 21
M28	2 39	22 47	1 47	12 19	2 36	3 31	1 10	25 8	2 36	7 49	0 59	7 7	1 51	13 43	0 42	21 47	0 33	13 3	16 36	23 23	23 25	19 41	6 41	1 21
T 29	3 3	23 33	0 33	12 47	2 44	4 1	1 9	25 4	2 35	7 43	0 59	7 4	1 51	13 42	0 42	21 47	0 33	13 2	16 36	23 23	23 25	19 42	6 43	1 21
W30	3 26	22 47	0s41	13 11	2 51	4 31	1 7	25 0	2 33	7 38	1 0	7 1	1 52	13 41	0 42	21 47	0 33	13 2	16 36	23 23	23 25	19 43	6 44	1 21
T 31	3n49	20n41	1s51	13n32	2n58	5n 1	1s 6	24n55	2n32	7s33	1s 0	6s59	1s52	13s40	0s42	21n47	0s33	13s 1	16s36	23s23	23s25	19s45	6n45	1n21

Julian Day Number = 2299297.5, Delta T = 114.55 sec
Ecliptic obliquity = 23°29'36, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'23, Lahiri = 18°02'23Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

APRIL 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 34 43	10♈36'44	29♋32	28♈34	16♈31	17♋21	13♓23	16♓49	25♒42	17♋34	5♈32	24°R46	25♐31	15♏50	14♈ 0	F 1
S 2	12 38 40	11°35'42	12♌37	29° 2	17°46	17°44	13°37	16°56	25°44	17°34	5°34	24♐43	25°28	15°57	14° 4	S 2
S 3	12 42 36	12°34'38	25°28	29°23	19° 0	18° 7	13°51	17° 3	25°47	17°34	5°35	24°36	25°25	16° 4	14° 7	S 3
M 4	12 46 33	13°33'32	8♍ 7	29°37	20°14	18°30	14° 4	17° 9	25°49	17°34	5°37	24°27	25°22	16°10	14°11	M 4
T 5	12 50 29	14°32'23	20°36	29°45	21°29	18°53	14°18	17°16	25°52	17°34	5°38	24°16	25°19	16°17	14°15	T 5
W 6	12 54 26	15°31'12	2♎55	29°R46	22°43	19°17	14°31	17°23	25°55	17°34	5°40	24° 4	25°15	16°24	14°19	W 6
T 7	12 58 23	16°30'00	15° 5	29°41	23°57	19°41	14°45	17°30	25°57	17°35	5°41	23°51	25°12	16°30	14°22	T 7
F 8	13 2 19	17°28'45	27° 7	29°30	25°11	20° 5	14°58	17°37	25°59	17°35	5°42	23°40	25° 9	16°37	14°26	F 8
S 9	13 6 16	18°27'28	9♏ 2	29°13	26°25	20°30	15°11	17°43	26° 2	17°35	5°44	23°30	25° 6	16°44	14°30	S 9
S 10	13 10 12	19°26'10	20°53	28°50	27°40	20°54	15°24	17°50	26° 4	17°36	5°45	23°22	25° 3	16°50	14°34	S 10
M11	13 14 9	20°24'49	2♐41	28°23	28°54	21°19	15°38	17°57	26° 7	17°36	5°47	23°18	25° 0	16°57	14°37	M11
T 12	13 18 5	21°23'27	14°30	27°52	0♑ 8	21°44	15°51	18° 3	26° 9	17°37	5°48	23°16	24°56	17° 4	14°41	T 12
W13	13 22 2	22°22'03	26°24	27°17	1°22	22°10	16° 4	18°10	26°11	17°37	5°50	23°D15	24°53	17°10	14°45	W13
T 14	13 25 58	23°20'37	8♑27	26°39	2°36	22°36	16°17	18°16	26°14	17°38	5°51	23°16	24°50	17°17	14°48	T 14
F 15	13 29 55	24°19'10	20°44	26° 0	3°50	23° 1	16°30	18°23	26°16	17°38	5°52	23°R17	24°47	17°24	14°52	F 15
S 16	13 33 52	25°17'41	3♒21	25°18	5° 4	23°28	16°43	18°29	26°18	17°39	5°54	23°16	24°44	17°30	14°56	S 16
S 17	13 37 48	26°16'10	16°23	24°37	6°18	23°54	16°56	18°36	26°20	17°39	5°55	23°14	24°40	17°37	14°59	S 17
M18	13 41 45	27°14'38	29°52	23°55	7°32	24°20	17° 8	18°42	26°22	17°40	5°57	23°10	24°37	17°44	15° 3	M18
T 19	13 45 41	28°13'04	13♓51	23°15	8°46	24°47	17°21	18°48	26°24	17°41	5°58	23° 4	24°34	17°51	15° 7	T 19
W20	13 49 38	29°11'29	28°18	22°36	10° 0	25°14	17°34	18°55	26°26	17°41	5°59	22°56	24°31	17°57	15°10	W20
T 21	13 53 34	0♑ 9'51	13♈ 8	21°59	11°14	25°41	17°46	19° 1	26°28	17°42	6° 1	22°48	24°28	18° 4	15°14	T 21
F 22	13 57 31	1° 8'12	28°15	21°25	12°28	26° 8	17°59	19° 7	26°30	17°43	6° 2	22°40	24°25	18°11	15°18	F 22
S 23	14 1 27	2° 6'31	13♑27	20°54	13°42	26°36	18°11	19°13	26°32	17°44	6° 3	22°34	24°21	18°17	15°21	S 23
S 24	14 5 24	3° 4'49	28°36	20°28	14°56	27° 4	18°23	19°19	26°34	17°44	6° 5	22°30	24°18	18°24	15°25	S 24
M25	14 9 21	4° 3'04	13♊31	20° 5	16°10	27°32	18°36	19°25	26°36	17°45	6° 6	22°28	24°15	18°31	15°29	M25
T 26	14 13 17	5° 1'18	28° 6	19°47	17°23	28° 0	18°48	19°31	26°37	17°46	6° 7	22°D28	24°12	18°37	15°32	T 26
W27	14 17 14	5°59'29	12♋17	19°33	18°37	28°28	19° 0	19°37	26°39	17°47	6° 9	22°29	24° 9	18°44	15°36	W27
T 28	14 21 10	6°57'39	26° 4	19°24	19°51	28°56	19°12	19°43	26°41	17°48	6°10	22°30	24° 6	18°51	15°39	T 28
F 29	14 25 7	7°55'46	9♌27	19°D19	21° 5	29°25	19°24	19°48	26°42	17°49	6°11	22°R30	24° 2	18°57	15°43	F 29
S 30	14 29 3	8♑53'52	22♌28	19♈20	22♑19	29♋54	19♓36	19♓54	26♒44	17♋50	6♈12	22♐29	23♐59	19♏ 4	15♈46	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	4n13	17n28	2s53	13n50	3n 3	5n31	1s 4	24n51	2n31	7s28	1s 0	6s56	1s52	13s39	0s42	21n47	0s33	13s 1	16s36	23s23	23s25	19s46	6n47	1n21
S 2	4 36	13 28	3 45	14 4	3 7	6 1	1 3	24 47	2 29	7 23	1 0	6 53	1 52	13 38	0 43	21 47	0 33	13 0	16 36	23 23	23 25	19 47	6 48	1 21
S 3	4 59	8 55	4 24	14 14	3 10	6 31	1 1	24 43	2 28	7 17	1 0	6 51	1 52	13 37	0 43	21 47	0 33	13 0	16 36	23 23	23 25	19 49	6 49	1 21
M 4	5 22	4 4	4 50	14 20	3 11	7 1	0 59	24 38	2 27	7 12	1 0	6 48	1 52	13 36	0 43	21 47	0 33	12 59	16 36	23 23	23 25	19 50	6 51	1 21
T 5	5 45	0s53	5 1	14 23	3 11	7 30	0 58	24 33	2 25	7 7	1 0	6 46	1 52	13 36	0 43	21 47	0 33	12 59	16 36	23 22	23 25	19 51	6 52	1 21
W 6	6 7	5 43	4 58	14 23	3 10	8 0	0 56	24 29	2 24	7 2	1 0	6 43	1 52	13 35	0 43	21 47	0 33	12 58	16 36	23 22	23 24	19 52	6 54	1 21
T 7	6 30	10 17	4 42	14 18	3 7	8 29	0 54	24 24	2 23	6 57	1 1	6 41	1 52	13 34	0 43	21 47	0 33	12 58	16 36	23 21	23 24	19 54	6 55	1 21
F 8	6 53	14 23	4 13	14 10	3 3	8 58	0 52	24 19	2 22	6 52	1 1	6 38	1 53	13 33	0 43	21 47	0 33	12 57	16 37	23 20	23 24	19 55	6 56	1 20
S 9	7 15	17 54	3 33	13 59	2 57	9 26	0 50	24 14	2 20	6 47	1 1	6 35	1 53	13 32	0 43	21 47	0 33	12 57	16 37	23 20	23 24	19 56	6 58	1 20
S 10	7 37	20 39	2 44	13 44	2 50	9 55	0 48	24 9	2 19	6 42	1 1	6 33	1 53	13 32	0 43	21 47	0 33	12 56	16 37	23 20	23 24	19 58	6 59	1 20
M11	8 0	22 30	1 48	13 26	2 42	10 23	0 46	24 4	2 18	6 37	1 1	6 31	1 53	13 31	0 43	21 47	0 33	12 56	16 37	23 19	23 24	19 59	7 1	1 20
T 12	8 22	23 22	0 47	13 6	2 31	10 51	0 44	23 59	2 17	6 32	1 1	6 28	1 53	13 30	0 43	21 47	0 33	12 55	16 37	23 19	23 24	20 0	7 2	1 20
W13	8 44	23 10	0n17	12 42	2 20	11 19	0 42	23 54	2 15	6 27	1 1	6 26	1 53	13 29	0 43	21 47	0 33	12 55	16 37	23 19	23 24	20 1	7 3	1 20
T 14	9 5	21 53	1 21	12 17	2 7	11 47	0 40	23 48	2 14	6 22	1 1	6 23	1 53	13 29	0 43	21 47	0 33	12 54	16 37	23 19	23 24	20 3	7 5	1 20
F 15	9 27	19 33	2 22	11 50	1 54	12 14	0 38	23 43	2 13	6 17	1 2	6 21	1 54	13 28	0 43	21 47	0 33	12 54	16 37	23 19	23 23	20 4	7 6	1 20
S 16	9 48	16 14	3 18	11 21	1 39	12 41	0 36	23 37	2 12	6 12	1 2	6 18	1 54	13 27	0 43	21 47	0 33	12 53	16 37	23 19	23 23	20 5	7 7	1 20
S 17	10 10	12 3	4 6	10 51	1 23	13 8	0 33	23 31	2 11	6 7	1 2	6 16	1 54	13 26	0 43	21 47	0 33	12 53	16 37	23 19	23 23	20 6	7 9	1 20
M18	10 31	7 9	4 42	10 21	1 7	13 34	0 31	23 25	2 10	6 3	1 2	6 14	1 54	13 26	0 43	21 47	0 33	12 53	16 38	23 19	23 23	20 7	7 10	1 20
T 19	10 52	1 43	5 2	9 50	0 51	14 0	0 29	23 19	2 8	5 58	1 2	6 11	1 54	13 25	0 43	21 47	0 33	12 52	16 38	23 19	23 23	20 9	7 12	1 20
W20	11 13	3n59	5 5	9 20	0 34	14 26	0 27	23 13	2 7	5 53	1 2	6 9	1 54	13 24	0 43	21 47	0 33	12 52	16 38	23 18	23 23	20 10	7 13	1 20
T 21	11 33	9 36	4 47	8 50	0 17	14 51	0 24	23 7	2 6	5 48	1 3	6 7	1 54	13 24	0 43	21 47	0 33	12 51	16 38	23 18	23 23	20 11	7 14	1 20
F 22	11 54	14 45	4 10	8 22	0s 0	15 16	0 22	23 1	2 5	5 44	1 3	6 4	1 55	13 23	0 43	21 47	0 33	12 51	16 38	23 17	23 22	20 12	7 16	1 20
S 23	12 14	19 0	3 14	7 55	0 17	15 40	0 20	22 55	2 4	5 39	1 3	6 2	1 55	13 23	0 43	21 47	0 33	12 51	16 38	23 17	23 22	20 14	7 17	1 20
S 24	12 34	21 55	2 5	7 30	0 34	16 5	0 17	22 48	2 3	5 34	1 3	6 0	1 55	13 22	0 43	21 47	0 33	12 50	16 38	23 17	23 22	20 15	7 18	1 20
M25	12 54	23 16	0 48	7 6	0 49	16 28	0 15	22 41	2 2	5 29	1 3	5 58	1 55	13 21	0 43	21 46	0 33	12 50	16 39	23 17	23 22	20 16	7 20	1 19
T 26	13 13	22 58	0s30	6 45	1 5	16 52	0 12	22 35	2 1	5 25	1 3	5 56	1 55	13 21	0 43	21 46	0 33	12 49	16 39	23 17	23 22	20 17	7 21	1 19
W27	13 33	21 11	1 45	6 26	1 20	17 15	0 10	22 28	2 0	5 20	1 4	5 53	1 56	13 20	0 43	21 46	0 32	12 49	16 39	23 17	23 22	20 18	7 22	1 19
T 28	13 52	18 11	2 52	6 10	1 34	17 37	0 7	22 21	1 58	5 16	1 4	5 51	1 56	13 20	0 43	21 46	0 32	12 49	16 39	23 17	23 22	20 19	7 24	1 19
F 29	14 11	14 17	3 47	5 56	1 47	17 59	0 5	22 14	1 57	5 11	1 4	5 49	1 56	13 19	0 43	21 46	0 32	12 48	16 39	23 17	23 22	20 21	7 25	1 19
S 30	14n30	9n49	4s28	5n45	1s59	18n21	0s 3	22n 7	1n56	5s 7	1s 4	5s47	1s56	13s19	0s43	21n46	0s32	12s48	16s39	23s17	23s21	20s22	7n26	1n19

Julian Day Number = 2299328.5, Delta T = 114.40 sec
Ecliptic obliquity = 23°29'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'27, Lahiri = 18°02'27Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

MAY 1583 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 33 0	9♉51'55	5♍12	19♈25	23♉32	0♌23	19♓47	20♓ 0	26♒46	17♋51	6♈14	22°R26	23♐56	19♏11	15♈50	S 1
M 2	14 36 56	10°49'56	17°41	19°35	24°46	0°52	19°59	20° 5	26°47	17°52	6°15	22♐22	23°53	19°17	15°53	M 2
T 3	14 40 53	11°47'56	29°57	19°49	26° 0	1°21	20°11	20°11	26°49	17°53	6°16	22°16	23°50	19°24	15°57	T 3
W 4	14 44 50	12°45'54	12♎ 4	20° 8	27°13	1°50	20°22	20°16	26°50	17°54	6°17	22° 9	23°46	19°31	16° 0	W 4
T 5	14 48 46	13°43'50	24° 4	20°31	28°27	2°20	20°33	20°22	26°51	17°55	6°19	22° 1	23°43	19°37	16° 4	T 5
F 6	14 52 43	14°41'44	5♏58	20°59	29°41	2°50	20°45	20°27	26°53	17°57	6°20	21°55	23°40	19°44	16° 7	F 6
S 7	14 56 39	15°39'37	17°49	21°31	0♊54	3°20	20°56	20°32	26°54	17°58	6°21	21°49	23°37	19°51	16°10	S 7
S 8	15 0 36	16°37'28	29°38	22° 7	2° 8	3°49	21° 7	20°37	26°55	17°59	6°22	21°46	23°34	19°57	16°14	S 8
M 9	15 4 32	17°35'18	11♐27	22°46	3°21	4°20	21°18	20°42	26°56	18° 0	6°23	21°43	23°31	20° 4	16°17	M 9
T 10	15 8 29	18°33'07	23°19	23°30	4°35	4°50	21°29	20°48	26°57	18° 2	6°24	21°D43	23°27	20°11	16°20	T 10
W11	15 12 25	19°30'54	5♑17	24°17	5°48	5°20	21°40	20°53	26°59	18° 3	6°26	21°44	23°24	20°17	16°24	W11
T 12	15 16 22	20°28'40	17°24	25° 7	7° 2	5°51	21°51	20°57	27° 0	18° 4	6°27	21°45	23°21	20°24	16°27	T 12
F 13	15 20 19	21°26'25	29°45	26° 1	8°15	6°21	22° 1	21° 2	27° 1	18° 6	6°28	21°47	23°18	20°31	16°30	F 13
S 14	15 24 15	22°24'09	12♒23	26°58	9°29	6°52	22°12	21° 7	27° 2	18° 7	6°29	21°48	23°15	20°37	16°33	S 14
S 15	15 28 12	23°21'51	25°21	27°59	10°42	7°23	22°22	21°12	27° 2	18° 9	6°30	21°R48	23°12	20°44	16°36	S 15
M16	15 32 8	24°19'33	8♓45	29° 2	11°55	7°54	22°32	21°16	27° 3	18°10	6°31	21°48	23° 8	20°51	16°39	M16
T 17	15 36 5	25°17'13	22°36	0♉ 8	13° 9	8°25	22°43	21°21	27° 4	18°11	6°32	21°46	23° 5	20°57	16°43	T 17
W18	15 40 1	26°14'52	6♈53	1°18	14°22	8°56	22°53	21°26	27° 5	18°13	6°33	21°43	23° 2	21° 4	16°46	W18
T 19	15 43 58	27°12'31	21°34	2°30	15°35	9°28	23° 3	21°30	27° 6	18°14	6°34	21°40	22°59	21°11	16°49	T 19
F 20	15 47 54	28°10'08	6♉35	3°45	16°49	9°59	23°13	21°34	27° 6	18°16	6°35	21°37	22°56	21°17	16°52	F 20
S 21	15 51 51	29° 7'44	21°46	5° 2	18° 2	10°31	23°22	21°39	27° 7	18°18	6°36	21°34	22°52	21°24	16°55	S 21
S 22	15 55 48	0♊ 5'20	6♊57	6°23	19°15	11° 3	23°32	21°43	27° 7	18°19	6°37	21°32	22°49	21°31	16°58	S 22
M23	15 59 44	1° 2'54	22° 0	7°46	20°29	11°35	23°41	21°47	27° 8	18°21	6°38	21°D32	22°46	21°37	17° 1	M23
T 24	16 3 41	2° 0'27	6♋46	9°11	21°42	12° 6	23°51	21°51	27° 8	18°22	6°39	21°32	22°43	21°44	17° 3	T 24
W25	16 7 37	2°57'58	21°10	10°39	22°55	12°39	24° 0	21°55	27° 9	18°24	6°40	21°34	22°40	21°51	17° 6	W25
T 26	16 11 34	3°55'28	5♌ 7	12°10	24° 8	13°11	24° 9	21°59	27° 9	18°26	6°41	21°35	22°37	21°57	17° 9	T 26
F 27	16 15 30	4°52'57	18°38	13°43	25°21	13°43	24°18	22° 2	27° 9	18°27	6°42	21°36	22°33	22° 4	17°12	F 27
S 28	16 19 27	5°50'25	1♍44	15°19	26°34	14°15	24°27	22° 6	27°10	18°29	6°42	21°R36	22°30	22°11	17°15	S 28
S 29	16 23 23	6°47'51	14°28	16°57	27°48	14°48	24°36	22°10	27°10	18°31	6°43	21°36	22°27	22°17	17°17	S 29
M30	16 27 20	7°45'16	26°54	18°38	29° 1	15°21	24°44	22°13	27°10	18°33	6°44	21°36	22°24	22°24	17°20	M30
T 31	16 31 17	8♊42'39	9♎ 5	20♉21	0♋14	15♌53	24♓53	22♓17	27♒10	18♋34	6♈45	21♐34	22♐21	22♏31	17♈23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n48	5n 2	4s56	5n36	2s11	18n42	0s 0	21n59	1n55	5s 2	1s 4	5s45	1s56	13s18	0s43	21n46	0s32	12s48	16s40	23s17	23s21	20s23	7n28	1n19
M 2	15 7	0 9	5 8	5 30	2 21	19 3	0n 2	21 52	1 54	4 58	1 4	5 43	1 56	13 18	0 43	21 46	0 32	12 48	16 40	23 16	23 21	20 24	7 29	1 19
T 3	15 25	4s40	5 7	5 26	2 31	19 23	0 5	21 45	1 53	4 53	1 5	5 41	1 57	13 17	0 44	21 46	0 32	12 47	16 40	23 16	23 21	20 25	7 30	1 19
W 4	15 42	9 15	4 51	5 25	2 40	19 42	0 7	21 37	1 52	4 49	1 5	5 39	1 57	13 17	0 44	21 46	0 32	12 47	16 40	23 16	23 21	20 26	7 32	1 19
T 5	16 0	13 26	4 23	5 27	2 48	20 1	0 10	21 29	1 51	4 45	1 5	5 37	1 57	13 16	0 44	21 45	0 32	12 47	16 40	23 15	23 21	20 28	7 33	1 19
F 6	16 17	17 3	3 43	5 31	2 54	20 20	0 12	21 21	1 50	4 40	1 5	5 35	1 57	13 16	0 44	21 45	0 32	12 46	16 41	23 15	23 20	20 29	7 34	1 19
S 7	16 34	19 58	2 54	5 37	3 1	20 38	0 15	21 14	1 49	4 36	1 5	5 33	1 57	13 15	0 44	21 45	0 32	12 46	16 41	23 14	23 20	20 30	7 35	1 19
S 8	16 51	22 2	1 58	5 45	3 6	20 55	0 17	21 5	1 48	4 32	1 6	5 32	1 58	13 15	0 44	21 45	0 32	12 46	16 41	23 14	23 20	20 31	7 37	1 19
M 9	17 7	23 8	0 56	5 56	3 10	21 12	0 20	20 57	1 47	4 28	1 6	5 30	1 58	13 15	0 44	21 45	0 32	12 46	16 41	23 14	23 20	20 32	7 38	1 19
T 10	17 23	23 11	0n 9	6 9	3 14	21 28	0 22	20 49	1 46	4 24	1 6	5 28	1 58	13 14	0 44	21 45	0 32	12 45	16 42	23 14	23 20	20 33	7 39	1 19
W11	17 39	22 10	1 14	6 23	3 17	21 44	0 25	20 41	1 45	4 20	1 6	5 26	1 58	13 14	0 44	21 45	0 32	12 45	16 42	23 14	23 20	20 34	7 40	1 19
T 12	17 55	20 6	2 16	6 40	3 18	21 59	0 27	20 32	1 44	4 16	1 6	5 24	1 58	13 14	0 44	21 44	0 32	12 45	16 42	23 14	23 20	20 35	7 42	1 19
F 13	18 10	17 6	3 14	6 58	3 20	22 13	0 30	20 24	1 43	4 12	1 7	5 23	1 59	13 13	0 44	21 44	0 32	12 45	16 42	23 14	23 19	20 36	7 43	1 19
S 14	18 25	13 14	4 3	7 18	3 20	22 27	0 32	20 15	1 42	4 8	1 7	5 21	1 59	13 13	0 44	21 44	0 32	12 45	16 43	23 14	23 19	20 37	7 44	1 19
S 15	18 39	8 40	4 42	7 40	3 20	22 40	0 35	20 6	1 41	4 4	1 7	5 19	1 59	13 13	0 44	21 44	0 32	12 44	16 43	23 14	23 19	20 39	7 45	1 19
M16	18 54	3 34	5 6	8 3	3 19	22 53	0 37	19 57	1 40	4 0	1 7	5 18	1 59	13 13	0 44	21 44	0 32	12 44	16 43	23 14	23 19	20 40	7 46	1 19
T 17	19 8	1n52	5 14	8 28	3 17	23 5	0 40	19 48	1 39	3 56	1 7	5 16	2 0	13 12	0 44	21 44	0 32	12 44	16 43	23 14	23 19	20 41	7 47	1 19
W18	19 21	7 23	5 3	8 54	3 15	23 16	0 42	19 39	1 38	3 52	1 8	5 14	2 0	13 12	0 44	21 43	0 32	12 44	16 44	23 14	23 19	20 42	7 49	1 19
T 19	19 35	12 38	4 33	9 22	3 12	23 27	0 44	19 29	1 38	3 48	1 8	5 13	2 0	13 12	0 44	21 43	0 32	12 44	16 44	23 14	23 18	20 43	7 50	1 19
F 20	19 48	17 15	3 43	9 51	3 8	23 37	0 47	19 20	1 37	3 45	1 8	5 11	2 0	13 12	0 44	21 43	0 32	12 44	16 44	23 14	23 18	20 44	7 51	1 19
S 21	20 1	20 46	2 37	10 21	3 4	23 46	0 49	19 11	1 36	3 41	1 8	5 10	2 0	13 12	0 44	21 43	0 32	12 44	16 44	23 13	23 18	20 45	7 52	1 19
S 22	20 13	22 50	1 20	10 52	2 59	23 54	0 51	19 1	1 35	3 37	1 9	5 8	2 1	13 11	0 44	21 43	0 32	12 43	16 45	23 13	23 18	20 46	7 53	1 18
M23	20 25	23 12	0s 3	11 24	2 53	24 2	0 53	18 51	1 34	3 34	1 9	5 7	2 1	13 11	0 44	21 42	0 32	12 43	16 45	23 13	23 18	20 47	7 54	1 18
T 24	20 37	21 56	1 23	11 57	2 47	24 10	0 56	18 41	1 33	3 30	1 9	5 6	2 1	13 11	0 44	21 42	0 32	12 43	16 45	23 13	23 18	20 48	7 55	1 18
W25	20 48	19 15	2 37	12 31	2 41	24 16	0 58	18 31	1 32	3 27	1 9	5 4	2 1	13 11	0 44	21 42	0 32	12 43	16 46	23 13	23 17	20 49	7 56	1 18
T 26	20 59	15 30	3 38	13 5	2 33	24 22	1 0	18 21	1 31	3 23	1 10	5 3	2 2	13 11	0 44	21 42	0 32	12 43	16 46	23 13	23 17	20 50	7 57	1 18
F 27	21 9	11 4	4 26	13 40	2 26	24 27	1 2	18 11	1 30	3 20	1 10	5 2	2 2	13 11	0 44	21 42	0 32	12 43	16 46	23 14	23 17	20 51	7 59	1 18
S 28	21 20	6 15	4 58	14 16	2 18	24 31	1 4	18 1	1 29	3 17	1 10	5 1	2 2	13 11	0 45	21 41	0 32	12 43	16 47	23 14	23 17	20 52	8 0	1 18
S 29	21 30	1 18	5 14	14 52	2 9	24 35	1 6	17 50	1 28	3 14	1 10	4 59	2 2	13 11	0 45	21 41	0 32	12 43	16 47	23 14	23 17	20 53	8 1	1 18
M30	21 39	3s35	5 15	15 29	2 0	24 38	1 8	17 40	1 28	3 10	1 11	4 58	2 3	13 11	0 45	21 41	0 32	12 43	16 47	23 14	23 16	20 54	8 2	1 18
T 31	21n48	8s14	5s 2	16n 6	1s51	24n40	1n10	17n29	1n27	3s 7	1s11	4s57	2s 3	13s11	0s45	21n41	0s32	12s43	16s48	23s13	23s16	20s55	8n 3	1n18

Julian Day Number = 2299358.5, Delta T = 114.26 sec
Ecliptic obliquity = 23°29'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'31, Lahiri = 18°02'32Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

JUNE 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 35 13	9♊40'02	21♎ 6	22♉ 7	1♋27	16♌26	25♓ 1	22♓20	27♒10	18♋36	6♈46	21°R33	22♐17	22♏37	17♈25	W 1
T 2	16 39 10	10°37'24	3♏ 0	23°55	2°40	16°59	25° 9	22°23	27°R10	18°38	6°46	21♐31	22°14	22°44	17°28	T 2
F 3	16 43 6	11°34'44	14°49	25°46	3°53	17°32	25°18	22°26	27°10	18°40	6°47	21°30	22°11	22°51	17°30	F 3
S 4	16 47 3	12°32'04	26°38	27°39	5° 6	18° 5	25°26	22°29	27°10	18°42	6°48	21°28	22° 8	22°57	17°33	S 4
S 5	16 50 59	13°29'23	8♐28	29°35	6°18	18°38	25°33	22°32	27°10	18°44	6°49	21°28	22° 5	23° 4	17°35	S 5
M 6	16 54 56	14°26'41	20°22	1♊32	7°31	19°11	25°41	22°35	27°10	18°46	6°49	21°D28	22° 2	23°11	17°38	M 6
T 7	16 58 52	15°23'59	2♑22	3°32	8°44	19°45	25°48	22°38	27°10	18°48	6°50	21°28	21°58	23°17	17°40	T 7
W 8	17 2 49	16°21'16	14°30	5°34	9°57	20°18	25°56	22°41	27° 9	18°49	6°51	21°28	21°55	23°24	17°42	W 8
T 9	17 6 46	17°18'32	26°47	7°38	11°10	20°52	26° 3	22°43	27° 9	18°51	6°51	21°29	21°52	23°31	17°45	T 9
F 10	17 10 42	18°15'48	9♒18	9°43	12°23	21°25	26°10	22°46	27° 9	18°53	6°52	21°29	21°49	23°37	17°47	F 10
S 11	17 14 39	19°13'03	22° 3	11°51	13°35	21°59	26°17	22°48	27° 8	18°55	6°52	21°29	21°46	23°44	17°49	S 11
S 12	17 18 35	20°10'19	5♓ 6	13°59	14°48	22°33	26°24	22°51	27° 8	18°57	6°53	21°29	21°43	23°51	17°51	S 12
M13	17 22 32	21° 7'33	18°28	16° 9	16° 1	23° 7	26°30	22°53	27° 7	18°59	6°54	21°29	21°39	23°57	17°53	M13
T 14	17 26 28	22° 4'48	2♈12	18°20	17°14	23°41	26°37	22°55	27° 7	19° 1	6°54	21°29	21°36	24° 4	17°55	T 14
W15	17 30 25	23° 2'03	16°18	20°31	18°26	24°15	26°43	22°57	27° 6	19° 3	6°55	21°29	21°33	24°11	17°57	W15
T 16	17 34 21	23°59'17	0♉44	22°42	19°39	24°49	26°49	22°59	27° 6	19° 5	6°55	21°30	21°30	24°17	17°59	T 16
F 17	17 38 18	24°56'31	15°27	24°54	20°51	25°23	26°55	23° 1	27° 5	19° 7	6°55	21°30	21°27	24°24	18° 1	F 17
S 18	17 42 15	25°53'45	0♊22	27° 5	22° 4	25°57	27° 1	23° 3	27° 4	19°10	6°56	21°30	21°23	24°31	18° 3	S 18
S 19	17 46 11	26°51'00	15°21	29°16	23°17	26°32	27° 7	23° 5	27° 3	19°12	6°56	21°R30	21°20	24°37	18° 5	S 19
M20	17 50 8	27°48'13	0♋17	1♋26	24°29	27° 6	27°12	23° 6	27° 3	19°14	6°57	21°30	21°17	24°44	18° 7	M20
T 21	17 54 4	28°45'27	15° 1	3°35	25°42	27°41	27°18	23° 8	27° 2	19°16	6°57	21°30	21°14	24°51	18° 8	T 21
W22	17 58 1	29°42'40	29°27	5°43	26°54	28°15	27°23	23° 9	27° 1	19°18	6°57	21°29	21°11	24°57	18°10	W22
T 23	18 1 57	0♋39'53	13♌30	7°50	28° 7	28°50	27°28	23°10	27° 0	19°20	6°58	21°28	21° 8	25° 4	18°12	T 23
F 24	18 5 54	1°37'05	27° 7	9°55	29°19	29°25	27°33	23°11	26°59	19°22	6°58	21°27	21° 4	25°11	18°13	F 24
S 25	18 9 50	2°34'17	10♍19	11°59	0♌31	29°59	27°37	23°13	26°58	19°24	6°58	21°26	21° 1	25°17	18°15	S 25
S 26	18 13 47	3°31'29	23° 7	14° 0	1°44	0♍35	27°42	23°13	26°57	19°27	6°59	21°25	20°58	25°24	18°16	S 26
M27	18 17 44	4°28'40	5♎34	16° 0	2°56	1°10	27°46	23°14	26°56	19°29	6°59	21°D25	20°55	25°30	18°18	M27
T 28	18 21 40	5°25'51	17°45	17°59	4° 8	1°45	27°50	23°15	26°54	19°31	6°59	21°26	20°52	25°37	18°19	T 28
W29	18 25 37	6°23'01	29°44	19°55	5°20	2°20	27°54	23°16	26°53	19°33	6°59	21°26	20°49	25°44	18°21	W29
T 30	18 29 33	7♋20'12	11♏36	21♋49	6♌33	2♍55	27♓58	23♓16	26♒52	19♋35	7♈ 0	21♐28	20♐45	25♏50	18♈22	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	21n57	12s30	4s36	16n43	1s41	24n41	1n12	17n19	1n26	3s 4	1s11	4s56	2s 3	13s11	0s45	21n41	0s32	12s43	16s48	23s13	23s16	20s56	8n 4	1n18
T 2	22 5	16 15	3 58	17 19	1 31	24 42	1 14	17 8	1 25	3 1	1 11	4 55	2 3	13 11	0 45	21 40	0 32	12 43	16 48	23 13	23 16	20 57	8 5	1 18
F 3	22 13	19 20	3 10	17 56	1 21	24 42	1 16	16 57	1 24	2 58	1 12	4 54	2 4	13 11	0 45	21 40	0 32	12 43	16 48	23 13	23 16	20 58	8 5	1 18
S 4	22 21	21 37	2 13	18 32	1 10	24 41	1 18	16 46	1 23	2 55	1 12	4 53	2 4	13 11	0 45	21 40	0 32	12 43	16 49	23 13	23 16	20 59	8 6	1 18
S 5	22 28	22 57	1 11	19 8	0 59	24 40	1 19	16 35	1 22	2 52	1 12	4 52	2 4	13 11	0 45	21 40	0 32	12 43	16 49	23 13	23 15	21 0	8 7	1 18
M 6	22 35	23 15	0 6	19 43	0 48	24 38	1 21	16 24	1 22	2 49	1 12	4 51	2 4	13 11	0 45	21 39	0 31	12 43	16 49	23 13	23 15	21 1	8 8	1 18
T 7	22 41	22 28	1n 0	20 18	0 37	24 35	1 23	16 12	1 21	2 47	1 13	4 50	2 5	13 11	0 45	21 39	0 31	12 43	16 50	23 13	23 15	21 2	8 9	1 18
W 8	22 48	20 38	2 4	20 51	0 26	24 31	1 24	16 1	1 20	2 44	1 13	4 49	2 5	13 11	0 45	21 39	0 31	12 43	16 50	23 13	23 15	21 3	8 10	1 18
T 9	22 53	17 50	3 4	21 23	0 15	24 27	1 26	15 49	1 19	2 41	1 13	4 48	2 5	13 11	0 45	21 39	0 31	12 43	16 50	23 13	23 15	21 4	8 11	1 18
F 10	22 58	14 11	3 56	21 53	0 4	24 22	1 27	15 38	1 18	2 39	1 13	4 48	2 5	13 12	0 45	21 38	0 31	12 43	16 51	23 13	23 14	21 5	8 12	1 18
S 11	23 3	9 49	4 37	22 22	0n 7	24 16	1 29	15 26	1 17	2 36	1 14	4 47	2 6	13 12	0 45	21 38	0 31	12 43	16 51	23 13	23 14	21 6	8 13	1 18
S 12	23 8	4 56	5 5	22 49	0 17	24 10	1 30	15 14	1 17	2 34	1 14	4 46	2 6	13 12	0 45	21 38	0 31	12 43	16 52	23 13	23 14	21 7	8 13	1 18
M13	23 12	0n18	5 17	23 14	0 28	24 3	1 31	15 2	1 16	2 32	1 14	4 46	2 6	13 12	0 45	21 38	0 31	12 44	16 52	23 13	23 14	21 7	8 14	1 18
T 14	23 15	5 39	5 12	23 36	0 38	23 55	1 33	14 50	1 15	2 29	1 14	4 45	2 6	13 12	0 45	21 37	0 31	12 44	16 52	23 13	23 14	21 8	8 15	1 18
W15	23 19	10 51	4 49	23 56	0 47	23 46	1 34	14 38	1 14	2 27	1 15	4 44	2 7	13 13	0 45	21 37	0 31	12 44	16 53	23 13	23 13	21 9	8 16	1 18
T 16	23 21	15 36	4 6	24 14	0 56	23 37	1 35	14 26	1 13	2 25	1 15	4 44	2 7	13 13	0 45	21 37	0 31	12 44	16 53	23 13	23 13	21 10	8 16	1 18
F 17	23 24	19 29	3 7	24 28	1 5	23 27	1 36	14 13	1 12	2 23	1 15	4 43	2 7	13 13	0 45	21 37	0 31	12 44	16 53	23 13	23 13	21 11	8 17	1 18
S 18	23 26	22 9	1 55	24 40	1 13	23 17	1 37	14 1	1 12	2 21	1 16	4 43	2 7	13 14	0 45	21 36	0 31	12 44	16 54	23 13	23 13	21 12	8 18	1 18
S 19	23 27	23 15	0 34	24 50	1 20	23 5	1 38	13 49	1 11	2 19	1 16	4 42	2 8	13 14	0 45	21 36	0 31	12 44	16 54	23 13	23 13	21 13	8 19	1 18
M20	23 28	22 41	0s49	24 56	1 27	22 53	1 39	13 36	1 10	2 17	1 16	4 42	2 8	13 14	0 45	21 36	0 31	12 45	16 54	23 13	23 12	21 14	8 19	1 18
T 21	23 29	20 33	2 7	24 59	1 33	22 41	1 39	13 23	1 9	2 15	1 16	4 42	2 8	13 14	0 45	21 35	0 31	12 45	16 55	23 13	23 12	21 15	8 20	1 18
W22	23 30	17 7	3 15	25 0	1 38	22 28	1 40	13 11	1 8	2 13	1 17	4 41	2 8	13 15	0 45	21 35	0 31	12 45	16 55	23 13	23 12	21 15	8 21	1 18
T 23	23 29	12 48	4 10	24 58	1 42	22 14	1 41	12 58	1 8	2 11	1 17	4 41	2 9	13 15	0 45	21 35	0 31	12 45	16 55	23 13	23 12	21 16	8 21	1 18
F 24	23 29	7 58	4 49	24 53	1 46	22 0	1 41	12 45	1 7	2 10	1 17	4 41	2 9	13 16	0 46	21 35	0 31	12 45	16 56	23 13	23 11	21 17	8 22	1 18
S 25	23 28	2 55	5 11	24 46	1 49	21 44	1 42	12 32	1 6	2 8	1 18	4 41	2 9	13 16	0 46	21 34	0 31	12 46	16 56	23 13	23 11	21 18	8 22	1 18
S 26	23 27	2s 7	5 17	24 36	1 51	21 29	1 42	12 19	1 5	2 7	1 18	4 41	2 10	13 16	0 46	21 34	0 31	12 46	16 57	23 13	23 11	21 19	8 23	1 18
M27	23 25	6 55	5 7	24 24	1 53	21 13	1 43	12 5	1 4	2 5	1 18	4 41	2 10	13 17	0 46	21 34	0 31	12 46	16 57	23 13	23 11	21 20	8 23	1 18
T 28	23 23	11 21	4 44	24 10	1 54	20 56	1 43	11 52	1 4	2 4	1 18	4 40	2 10	13 17	0 46	21 33	0 31	12 46	16 57	23 13	23 11	21 21	8 24	1 18
W29	23 20	15 17	4 9	23 53	1 54	20 38	1 43	11 39	1 3	2 2	1 19	4 40	2 10	13 18	0 46	21 33	0 31	12 47	16 58	23 13	23 10	21 21	8 25	1 18
T 30	23n17	18s34	3s23	23n35	1n53	20n21	1n43	11n25	1n 2	2s 1	1s19	4s40	2s11	13s18	0s46	21n33	0s31	12s47	16s58	23s13	23s10	21s22	8n25	1n18

Julian Day Number = 2299389.5, Delta T = 114.12 sec
Ecliptic obliquity = 23°29'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'35, Lahiri = 18°02'36Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

JULY 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 33 30	8♋17'22	23♏24	23♋41	7♌45	3♍31	28♓ 1	23♓17	26°R51	19♋37	7♈ 0	21♐29	20♐42	25♏57	18♈23	F 1
S 2	18 37 26	9°14'32	5♐14	25°32	8°57	4° 6	28° 5	23°17	26♒49	19°40	7° 0	21°30	20°39	26° 4	18°24	S 2
S 3	18 41 23	10°11'42	17° 8	27°20	10° 9	4°41	28° 8	23°18	26°48	19°42	7° 0	21°R31	20°36	26°10	18°25	S 3
M 4	18 45 19	11° 8'53	29° 9	29° 7	11°21	5°17	28°11	23°18	26°46	19°44	7° 0	21°31	20°33	26°17	18°26	M 4
T 5	18 49 16	12° 6'03	11♑20	0♌51	12°33	5°52	28°14	23°R18	26°45	19°46	7° 0	21°30	20°29	26°24	18°27	T 5
W 6	18 53 13	13° 3'14	23°42	2°33	13°45	6°28	28°17	23°18	26°44	19°48	7° 0	21°28	20°26	26°30	18°28	W 6
T 7	18 57 9	14° 0'24	6♒16	4°14	14°57	7° 4	28°19	23°18	26°42	19°51	7° 0	21°25	20°23	26°37	18°29	T 7
F 8	19 1 6	14°57'36	19° 4	5°52	16° 9	7°40	28°21	23°17	26°40	19°53	7°R 0	21°21	20°20	26°44	18°30	F 8
S 9	19 5 2	15°54'47	2♓ 5	7°29	17°21	8°16	28°23	23°17	26°39	19°55	7° 0	21°18	20°17	26°50	18°31	S 9
S 10	19 8 59	16°51'59	15°21	9° 3	18°32	8°51	28°25	23°17	26°37	19°57	7° 0	21°15	20°14	26°57	18°32	S 10
M11	19 12 55	17°49'12	28°51	10°36	19°44	9°27	28°27	23°16	26°36	20° 0	7° 0	21°12	20°10	27° 4	18°32	M11
T 12	19 16 52	18°46'26	12♈36	12° 6	20°56	10° 4	28°28	23°16	26°34	20° 2	7° 0	21°D11	20° 7	27°10	18°33	T 12
W13	19 20 48	19°43'40	26°34	13°34	22° 8	10°40	28°30	23°15	26°32	20° 4	7° 0	21°11	20° 4	27°17	18°34	W13
T 14	19 24 45	20°40'55	10♉46	15° 1	23°19	11°16	28°31	23°14	26°30	20° 6	7° 0	21°12	20° 1	27°24	18°34	T 14
F 15	19 28 42	21°38'11	25°10	16°25	24°31	11°52	28°32	23°13	26°29	20° 8	7° 0	21°13	19°58	27°30	18°35	F 15
S 16	19 32 38	22°35'28	9♊43	17°47	25°42	12°29	28°33	23°12	26°27	20°11	7° 0	21°15	19°55	27°37	18°35	S 16
S 17	19 36 35	23°32'46	24°20	19° 7	26°54	13° 5	28°33	23°11	26°25	20°13	6°59	21°R15	19°51	27°44	18°36	S 17
M18	19 40 31	24°30'04	8♋56	20°25	28° 5	13°41	28°33	23°10	26°23	20°15	6°59	21°14	19°48	27°50	18°36	M18
T 19	19 44 28	25°27'23	23°25	21°41	29°17	14°18	28°R34	23° 8	26°21	20°17	6°59	21°11	19°45	27°57	18°36	T 19
W20	19 48 24	26°24'43	7♌41	22°54	0♍28	14°55	28°34	23° 7	26°19	20°20	6°59	21° 7	19°42	28° 4	18°36	W20
T 21	19 52 21	27°22'03	21°39	24° 5	1°40	15°31	28°33	23° 6	26°17	20°22	6°58	21° 2	19°39	28°10	18°36	T 21
F 22	19 56 18	28°19'24	5♍15	25°14	2°51	16° 8	28°33	23° 4	26°15	20°24	6°58	20°56	19°35	28°17	18°37	F 22
S 23	20 0 14	29°16'45	18°27	26°20	4° 2	16°45	28°32	23° 2	26°13	20°26	6°58	20°50	19°32	28°24	18°R37	S 23
S 24	20 4 11	0♌14'07	1♎17	27°23	5°13	17°22	28°31	23° 0	26°11	20°28	6°57	20°46	19°29	28°30	18°37	S 24
M25	20 8 7	1°11'30	13°46	28°24	6°25	17°59	28°30	22°59	26° 9	20°31	6°57	20°42	19°26	28°37	18°37	M25
T 26	20 12 4	2° 8'53	25°57	29°22	7°36	18°36	28°29	22°57	26° 7	20°33	6°57	20°41	19°23	28°44	18°36	T 26
W27	20 16 0	3° 6'17	7♏56	0♍16	8°47	19°13	28°28	22°54	26° 5	20°35	6°56	20°D41	19°20	28°50	18°36	W27
T 28	20 19 57	4° 3'41	19°48	1° 8	9°58	19°50	28°26	22°52	26° 3	20°37	6°56	20°42	19°16	28°57	18°36	T 28
F 29	20 23 53	5° 1'06	1♐37	1°57	11° 8	20°27	28°24	22°50	26° 0	20°39	6°55	20°43	19°13	29° 4	18°36	F 29
S 30	20 27 50	5°58'32	13°28	2°42	12°19	21° 5	28°22	22°48	25°58	20°42	6°55	20°44	19°10	29°10	18°35	S 30
S 31	20 31 47	6♌55'59	25♐26	3♍24	13♍30	21♍42	28♓20	22♓45	25♒56	20♋44	6♈54	20°R44	19♐ 7	29♏17	18♈35	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	23n14	21s 4	2s29	23n15	1n52	20n 2	1n43	11n12	1n 1	2s 0	1s19	4s41	2s11	13s19	0s46	21n33	0s31	12s47	16s58	23s13	23s10	21s23	8n25	1n18
S 2	23 10	22 41	1 29	22 53	1 50	19 43	1 43	10 58	1 1	1 59	1 20	4 41	2 11	13 19	0 46	21 32	0 31	12 47	16 59	23 13	23 10	21 24	8 26	1 18
S 3	23 6	23 16	0 24	22 30	1 48	19 23	1 43	10 44	1 0	1 58	1 20	4 41	2 11	13 20	0 46	21 32	0 31	12 48	16 59	23 13	23 10	21 25	8 26	1 18
M 4	23 1	22 47	0n42	22 5	1 45	19 3	1 43	10 31	0 59	1 57	1 20	4 41	2 12	13 20	0 46	21 32	0 31	12 48	16 59	23 13	23 9	21 25	8 27	1 18
T 5	22 56	21 14	1 47	21 39	1 41	18 43	1 42	10 17	0 58	1 56	1 21	4 41	2 12	13 21	0 46	21 31	0 31	12 48	17 0	23 13	23 9	21 26	8 27	1 18
W 6	22 51	18 39	2 48	21 12	1 37	18 22	1 42	10 3	0 58	1 55	1 21	4 41	2 12	13 21	0 46	21 31	0 31	12 49	17 0	23 13	23 9	21 27	8 27	1 18
T 7	22 45	15 10	3 42	20 44	1 32	18 0	1 42	9 49	0 57	1 55	1 21	4 42	2 13	13 22	0 46	21 31	0 31	12 49	17 1	23 13	23 9	21 28	8 28	1 18
F 8	22 39	10 56	4 26	20 15	1 27	17 38	1 41	9 35	0 56	1 54	1 21	4 42	2 13	13 22	0 46	21 30	0 31	12 49	17 1	23 13	23 8	21 29	8 28	1 18
S 9	22 33	6 8	4 57	19 45	1 21	17 16	1 40	9 21	0 55	1 54	1 22	4 42	2 13	13 23	0 46	21 30	0 31	12 50	17 1	23 12	23 8	21 29	8 28	1 18
S 10	22 26	0 59	5 12	19 14	1 15	16 53	1 40	9 7	0 55	1 53	1 22	4 43	2 13	13 23	0 46	21 30	0 31	12 50	17 2	23 12	23 8	21 30	8 29	1 18
M11	22 18	4n18	5 11	18 42	1 8	16 30	1 39	8 52	0 54	1 53	1 22	4 43	2 14	13 24	0 46	21 29	0 31	12 50	17 2	23 12	23 8	21 31	8 29	1 18
T 12	22 10	9 28	4 52	18 10	1 1	16 6	1 38	8 38	0 53	1 52	1 23	4 44	2 14	13 25	0 46	21 29	0 31	12 51	17 2	23 12	23 7	21 32	8 29	1 18
W13	22 2	14 15	4 16	17 38	0 53	15 42	1 37	8 23	0 52	1 52	1 23	4 44	2 14	13 25	0 46	21 29	0 31	12 51	17 3	23 12	23 7	21 32	8 29	1 18
T 14	21 54	18 19	3 24	17 5	0 45	15 17	1 36	8 9	0 52	1 52	1 23	4 45	2 14	13 26	0 46	21 28	0 31	12 51	17 3	23 12	23 7	21 33	8 30	1 18
F 15	21 45	21 20	2 18	16 32	0 37	14 52	1 35	7 54	0 51	1 52	1 24	4 45	2 15	13 27	0 46	21 28	0 31	12 52	17 4	23 12	23 7	21 34	8 30	1 18
S 16	21 36	23 0	1 3	15 59	0 28	14 27	1 34	7 40	0 50	1 52	1 24	4 46	2 15	13 27	0 46	21 28	0 31	12 52	17 4	23 12	23 6	21 35	8 30	1 18
S 17	21 26	23 5	0s17	15 25	0 19	14 1	1 32	7 25	0 49	1 52	1 24	4 47	2 15	13 28	0 46	21 28	0 31	12 53	17 4	23 12	23 6	21 35	8 30	1 18
M18	21 16	21 36	1 35	14 52	0 9	13 35	1 31	7 10	0 49	1 52	1 25	4 48	2 15	13 28	0 46	21 27	0 31	12 53	17 5	23 12	23 6	21 36	8 30	1 18
T 19	21 6	18 43	2 47	14 18	0s 0	13 9	1 30	6 56	0 48	1 52	1 25	4 48	2 16	13 29	0 46	21 27	0 31	12 53	17 5	23 12	23 6	21 37	8 30	1 18
W20	20 55	14 44	3 46	13 45	0 11	12 42	1 28	6 41	0 47	1 53	1 25	4 49	2 16	13 30	0 46	21 27	0 31	12 54	17 5	23 12	23 6	21 38	8 30	1 18
T 21	20 44	10 2	4 31	13 12	0 21	12 15	1 26	6 26	0 46	1 53	1 25	4 50	2 16	13 31	0 46	21 26	0 31	12 54	17 6	23 11	23 5	21 38	8 31	1 18
F 22	20 33	4 58	4 59	12 39	0 32	11 48	1 25	6 11	0 46	1 53	1 26	4 51	2 16	13 31	0 46	21 26	0 31	12 55	17 6	23 11	23 5	21 39	8 31	1 18
S 23	20 21	0s11	5 11	12 6	0 42	11 20	1 23	5 56	0 45	1 54	1 26	4 52	2 17	13 32	0 46	21 26	0 31	12 55	17 6	23 11	23 5	21 40	8 31	1 18
S 24	20 9	5 11	5 6	11 34	0 53	10 52	1 21	5 41	0 44	1 55	1 26	4 53	2 17	13 33	0 46	21 25	0 31	12 56	17 7	23 10	23 5	21 40	8 31	1 18
M25	19 56	9 50	4 46	11 3	1 5	10 24	1 19	5 26	0 43	1 55	1 27	4 54	2 17	13 33	0 46	21 25	0 31	12 56	17 7	23 10	23 4	21 41	8 31	1 18
T 26	19 44	13 59	4 14	10 32	1 16	9 56	1 17	5 11	0 43	1 56	1 27	4 55	2 17	13 34	0 46	21 25	0 31	12 56	17 7	23 10	23 4	21 42	8 30	1 18
W27	19 30	17 31	3 31	10 2	1 28	9 27	1 15	4 55	0 42	1 57	1 27	4 56	2 18	13 35	0 46	21 24	0 31	12 57	17 8	23 10	23 4	21 42	8 30	1 18
T 28	19 17	20 17	2 40	9 32	1 40	8 58	1 13	4 40	0 41	1 58	1 28	4 57	2 18	13 36	0 46	21 24	0 31	12 57	17 8	23 10	23 4	21 43	8 30	1 18
F 29	19 3	22 12	1 42	9 4	1 52	8 29	1 11	4 25	0 41	1 59	1 28	4 58	2 18	13 36	0 46	21 24	0 31	12 58	17 8	23 10	23 3	21 44	8 30	1 18
S 30	18 49	23 7	0 39	8 37	2 4	8 0	1 8	4 9	0 40	2 0	1 28	4 59	2 18	13 37	0 46	21 23	0 31	12 58	17 9	23 10	23 3	21 44	8 30	1 18
S 31	18n35	22s59	0n25	8n11	2s16	7n31	1n 6	3n54	0n39	2s 1	1s28	5s 0	2s19	13s38	0s47	21n23	0s31	12s59	17s 9	23s10	23s 3	21s45	8n30	1n18

Julian Day Number = 2299419.5, Delta T = 113.98 sec
Ecliptic obliquity = 23°29'34, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'39, Lahiri = 18°02'40Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

AUGUST 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 35 43	7♌53'27	7♉35	4♍ 2	14♍41	22♍19	28°R17	22°R43	25°R54	20♋46	6°R54	20°R43	19♐ 4	29♏23	18°R34	M 1
T 2	20 39 40	8°50'55	19°58	4°36	15°52	22°57	28♓15	22♓40	25♒52	20°48	6♈53	20♐39	19° 1	29°30	18♈34	T 2
W 3	20 43 36	9°48'25	2♒36	5° 5	17° 2	23°34	28°12	22°38	25°49	20°50	6°53	20°34	18°57	29°37	18°33	W 3
T 4	20 47 33	10°45'55	15°30	5°31	18°13	24°12	28° 9	22°35	25°47	20°52	6°52	20°26	18°54	29°43	18°33	T 4
F 5	20 51 29	11°43'27	28°40	5°52	19°23	24°50	28° 6	22°32	25°45	20°54	6°52	20°18	18°51	29°50	18°32	F 5
S 6	20 55 26	12°40'59	12♓ 5	6° 8	20°33	25°27	28° 3	22°29	25°42	20°56	6°51	20° 9	18°48	29°57	18°31	S 6
S 7	20 59 22	13°38'34	25°42	6°20	21°44	26° 5	27°59	22°26	25°40	20°59	6°51	20° 1	18°45	0♐ 3	18°31	S 7
M 8	21 3 19	14°36'09	9♈29	6°26	22°54	26°43	27°55	22°23	25°38	21° 1	6°50	19°55	18°41	0°10	18°30	M 8
T 9	21 7 15	15°33'46	23°24	6°R27	24° 4	27°21	27°51	22°20	25°35	21° 3	6°49	19°51	18°38	0°17	18°29	T 9
W10	21 11 12	16°31'25	7♉26	6°22	25°14	27°59	27°47	22°17	25°33	21° 5	6°49	19°49	18°35	0°23	18°28	W10
T 11	21 15 9	17°29'05	21°32	6°12	26°24	28°37	27°43	22°13	25°31	21° 7	6°48	19°D48	18°32	0°30	18°27	T 11
F 12	21 19 5	18°26'47	5♊42	5°56	27°34	29°15	27°39	22°10	25°28	21° 9	6°47	19°49	18°29	0°37	18°26	F 12
S 13	21 23 2	19°24'31	19°55	5°35	28°44	29°53	27°34	22° 6	25°26	21°11	6°47	19°R49	18°26	0°43	18°25	S 13
S 14	21 26 58	20°22'16	4♋ 8	5° 8	29°54	0♎32	27°29	22° 3	25°24	21°13	6°46	19°49	18°22	0°50	18°24	S 14
M15	21 30 55	21°20'03	18°19	4°36	1♎ 4	1°10	27°24	21°59	25°21	21°15	6°45	19°46	18°19	0°57	18°23	M15
T 16	21 34 51	22°17'52	2♌24	3°58	2°14	1°48	27°19	21°56	25°19	21°17	6°44	19°40	18°16	1° 3	18°21	T 16
W17	21 38 48	23°15'42	16°19	3°16	3°23	2°27	27°14	21°52	25°16	21°19	6°44	19°32	18°13	1°10	18°20	W17
T 18	21 42 45	24°13'33	0♍ 1	2°30	4°33	3° 5	27° 9	21°48	25°14	21°21	6°43	19°22	18°10	1°17	18°19	T 18
F 19	21 46 41	25°11'26	13°26	1°40	5°42	3°44	27° 3	21°44	25°12	21°23	6°42	19°11	18° 7	1°23	18°17	F 19
S 20	21 50 38	26° 9'20	26°31	0°47	6°52	4°22	26°57	21°40	25° 9	21°25	6°41	19° 0	18° 3	1°30	18°16	S 20
S 21	21 54 34	27° 7'16	9♎16	29♌53	8° 1	5° 1	26°51	21°36	25° 7	21°26	6°40	18°51	18° 0	1°37	18°14	S 21
M22	21 58 31	28° 5'13	21°43	28°58	9°10	5°40	26°45	21°32	25° 4	21°28	6°39	18°43	17°57	1°43	18°13	M22
T 23	22 2 27	29° 3'12	3♏54	28° 3	10°19	6°19	26°39	21°28	25° 2	21°30	6°38	18°38	17°54	1°50	18°11	T 23
W24	22 6 24	0♍ 1'11	15°52	27°10	11°28	6°58	26°33	21°24	25° 0	21°32	6°38	18°35	17°51	1°56	18°10	W24
T 25	22 10 20	0°59'13	27°43	26°20	12°37	7°36	26°26	21°20	24°57	21°34	6°37	18°D34	17°47	2° 3	18° 8	T 25
F 26	22 14 17	1°57'15	9♐32	25°33	13°46	8°15	26°20	21°16	24°55	21°36	6°36	18°34	17°44	2°10	18° 6	F 26
S 27	22 18 13	2°55'20	21°24	24°52	14°55	8°55	26°13	21°12	24°53	21°37	6°35	18°R34	17°41	2°16	18° 4	S 27
S 28	22 22 10	3°53'25	3♉24	24°16	16° 4	9°34	26° 6	21° 7	24°50	21°39	6°34	18°33	17°38	2°23	18° 3	S 28
M29	22 26 7	4°51'32	15°38	23°47	17°12	10°13	26° 0	21° 3	24°48	21°41	6°33	18°31	17°35	2°30	18° 1	M29
T 30	22 30 3	5°49'41	28° 9	23°26	18°20	10°52	25°53	20°59	24°46	21°43	6°32	18°25	17°32	2°36	17°59	T 30
W31	22 34 0	6♍47'51	11♒ 0	23♌13	19♎29	11♎31	25♓45	20♓54	24♒43	21♋44	6♈31	18♐17	17♐28	2♐43	17♈57	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	18n20	21s47	1n30	7n46	2s28	7n 1	1n 3	3n38	0n38	2s 2	1s29	5s 1	2s19	13s39	0s47	21n23	0s31	12s59	17s 9	23s10	23s 2	21s46	8n30	1n18
T 2	18 5	19 31	2 31	7 22	2 39	6 31	1 1	3 23	0 38	2 4	1 29	5 3	2 19	13 39	0 47	21 22	0 31	13 0	17 10	23 10	23 2	21 46	8 30	1 18
W 3	17 50	16 17	3 26	7 0	2 51	6 1	0 58	3 7	0 37	2 5	1 29	5 4	2 19	13 40	0 47	21 22	0 31	13 0	17 10	23 9	23 2	21 47	8 29	1 18
T 4	17 34	12 13	4 12	6 40	3 3	5 31	0 55	2 52	0 36	2 6	1 30	5 5	2 20	13 41	0 47	21 22	0 31	13 1	17 10	23 9	23 2	21 47	8 29	1 18
F 5	17 19	7 30	4 45	6 22	3 14	5 1	0 52	2 36	0 36	2 8	1 30	5 7	2 20	13 42	0 47	21 21	0 31	13 1	17 11	23 8	23 1	21 48	8 29	1 18
S 6	17 2	2 22	5 3	6 6	3 26	4 31	0 50	2 21	0 35	2 9	1 30	5 8	2 20	13 43	0 47	21 21	0 31	13 2	17 11	23 8	23 1	21 49	8 29	1 18
S 7	16 46	2n57	5 5	5 51	3 36	4 0	0 47	2 5	0 34	2 11	1 30	5 9	2 20	13 43	0 47	21 21	0 31	13 2	17 11	23 7	23 1	21 49	8 28	1 18
M 8	16 29	8 11	4 49	5 40	3 47	3 29	0 44	1 49	0 34	2 13	1 31	5 11	2 20	13 44	0 47	21 20	0 31	13 3	17 12	23 7	23 1	21 50	8 28	1 18
T 9	16 12	13 4	4 16	5 30	3 57	2 59	0 41	1 33	0 33	2 15	1 31	5 12	2 21	13 45	0 47	21 20	0 31	13 3	17 12	23 6	23 0	21 51	8 28	1 18
W10	15 55	17 17	3 27	5 23	4 6	2 28	0 37	1 18	0 32	2 17	1 31	5 14	2 21	13 46	0 47	21 20	0 31	13 4	17 12	23 6	23 0	21 51	8 27	1 18
T 11	15 38	20 32	2 26	5 19	4 14	1 57	0 34	1 2	0 31	2 18	1 31	5 15	2 21	13 47	0 47	21 20	0 31	13 4	17 12	23 6	23 0	21 52	8 27	1 18
F 12	15 20	22 32	1 15	5 18	4 21	1 26	0 31	0 46	0 31	2 20	1 32	5 17	2 21	13 47	0 47	21 19	0 31	13 5	17 13	23 6	23 0	21 52	8 26	1 18
S 13	15 2	23 6	0s 0	5 20	4 28	0 55	0 27	0 30	0 30	2 23	1 32	5 18	2 21	13 48	0 47	21 19	0 31	13 6	17 13	23 6	22 59	21 53	8 26	1 18
S 14	14 44	22 10	1 16	5 25	4 33	0 24	0 24	0 14	0 29	2 25	1 32	5 20	2 22	13 49	0 47	21 19	0 31	13 6	17 13	23 6	22 59	21 53	8 25	1 18
M15	14 25	19 50	2 26	5 33	4 37	0s 7	0 21	0s 2	0 29	2 27	1 32	5 21	2 22	13 50	0 47	21 18	0 31	13 7	17 14	23 6	22 59	21 54	8 25	1 18
T 16	14 7	16 19	3 27	5 45	4 39	0 38	0 17	0 18	0 28	2 29	1 33	5 23	2 22	13 51	0 47	21 18	0 31	13 7	17 14	23 5	22 58	21 55	8 25	1 18
W17	13 48	11 56	4 14	5 59	4 40	1 9	0 13	0 33	0 27	2 31	1 33	5 25	2 22	13 51	0 47	21 18	0 31	13 8	17 14	23 5	22 58	21 55	8 24	1 18
T 18	13 29	7 1	4 46	6 16	4 39	1 40	0 10	0 49	0 27	2 34	1 33	5 26	2 22	13 52	0 47	21 17	0 31	13 8	17 14	23 4	22 58	21 56	8 23	1 18
F 19	13 9	1 53	5 2	6 37	4 36	2 11	0 6	1 5	0 26	2 36	1 33	5 28	2 22	13 53	0 47	21 17	0 31	13 9	17 15	23 3	22 58	21 56	8 23	1 18
S 20	12 50	3s12	5 0	7 0	4 31	2 42	0 2	1 21	0 25	2 39	1 34	5 30	2 23	13 54	0 47	21 17	0 31	13 9	17 15	23 2	22 57	21 57	8 22	1 18
S 21	12 30	8 2	4 44	7 25	4 24	3 13	0s 2	1 37	0 24	2 41	1 34	5 31	2 23	13 55	0 47	21 16	0 31	13 10	17 15	23 1	22 57	21 57	8 22	1 18
M22	12 10	12 25	4 15	7 52	4 15	3 44	0 6	1 53	0 24	2 44	1 34	5 33	2 23	13 56	0 47	21 16	0 31	13 10	17 15	23 1	22 57	21 58	8 21	1 18
T 23	11 50	16 12	3 34	8 21	4 5	4 14	0 9	2 9	0 23	2 46	1 34	5 35	2 23	13 56	0 47	21 16	0 31	13 11	17 16	23 0	22 56	21 58	8 21	1 18
W24	11 29	19 15	2 45	8 50	3 53	4 45	0 13	2 26	0 22	2 49	1 34	5 37	2 23	13 57	0 47	21 16	0 31	13 12	17 16	23 0	22 56	21 59	8 20	1 18
T 25	11 9	21 27	1 49	9 20	3 39	5 16	0 17	2 42	0 22	2 52	1 35	5 38	2 23	13 58	0 47	21 15	0 31	13 12	17 16	23 0	22 56	21 59	8 19	1 18
F 26	10 48	22 43	0 48	9 50	3 24	5 47	0 22	2 58	0 21	2 55	1 35	5 40	2 24	13 59	0 47	21 15	0 31	13 13	17 16	23 0	22 56	22 0	8 19	1 18
S 27	10 27	22 58	0n15	10 19	3 7	6 17	0 26	3 14	0 20	2 58	1 35	5 42	2 24	13 59	0 47	21 15	0 31	13 13	17 16	23 0	22 55	22 0	8 18	1 18
S 28	10 6	22 9	1 18	10 48	2 50	6 47	0 30	3 30	0 20	3 0	1 35	5 44	2 24	14 0	0 47	21 14	0 31	13 14	17 17	23 0	22 55	22 1	8 17	1 18
M29	9 45	20 17	2 18	11 14	2 31	7 18	0 34	3 46	0 19	3 3	1 35	5 46	2 24	14 1	0 47	21 14	0 31	13 14	17 17	23 0	22 55	22 1	8 16	1 17
T 30	9 24	17 25	3 13	11 39	2 13	7 48	0 38	4 2	0 18	3 6	1 36	5 47	2 24	14 2	0 47	21 14	0 31	13 15	17 17	22 59	22 54	22 2	8 16	1 17
W31	9n 2	13s39	4n 0	12n 1	1s54	8s18	0s43	4s18	0n18	3s 9	1s36	5s49	2s24	14s 3	0s47	21n14	0s31	13s15	17s17	22s59	22s54	22s 2	8n15	1n17

Julian Day Number = 2299450.5, Delta T = 113.83 sec
Ecliptic obliquity = 23°29'34, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'44, Lahiri = 18°02'44Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

SEPTEMBER 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 37 56	7♍46'02	24♒12	23°D 8	20♎37	12♎11	25°R38	20°R50	24°R41	21♋46	6°R30	18°R 7	17♐25	2♐50	17°R55	T 1
F 2	22 41 53	8°44'16	7♓44	23♌12	21°45	12°50	25♓31	20♓45	24♒39	21°48	6♈29	17♐56	17°22	2°56	17♈53	F 2
S 3	22 45 49	9°42'31	21°34	23°25	22°53	13°30	25°24	20°41	24°36	21°49	6°28	17°43	17°19	3° 3	17°51	S 3
S 4	22 49 46	10°40'48	5♈37	23°47	24° 1	14° 9	25°16	20°36	24°34	21°51	6°27	17°32	17°16	3°10	17°49	S 4
M 5	22 53 42	11°39'06	19°49	24°17	25° 8	14°49	25° 9	20°32	24°32	21°53	6°26	17°23	17°12	3°16	17°46	M 5
T 6	22 57 39	12°37'27	4♉ 5	24°56	26°16	15°29	25° 1	20°27	24°30	21°54	6°25	17°17	17° 9	3°23	17°44	T 6
W 7	23 1 36	13°35'51	18°20	25°44	27°24	16° 8	24°53	20°23	24°27	21°56	6°24	17°13	17° 6	3°30	17°42	W 7
T 8	23 5 32	14°34'16	2♊32	26°39	28°31	16°48	24°45	20°18	24°25	21°57	6°23	17°11	17° 3	3°36	17°40	T 8
F 9	23 9 29	15°32'43	16°40	27°42	29°38	17°28	24°38	20°13	24°23	21°59	6°22	17°11	17° 0	3°43	17°38	F 9
S 10	23 13 25	16°31'13	0♋41	28°52	0♏45	18° 8	24°30	20° 9	24°21	22° 0	6°21	17°11	16°57	3°49	17°35	S 10
S 11	23 17 22	17°29'45	14°36	0♍ 8	1°52	18°48	24°22	20° 4	24°19	22° 2	6°19	17° 9	16°53	3°56	17°33	S 11
M12	23 21 18	18°28'20	28°25	1°29	2°59	19°28	24°14	20° 0	24°17	22° 3	6°18	17° 5	16°50	4° 3	17°30	M12
T 13	23 25 15	19°26'56	12♌ 5	2°56	4° 5	20° 8	24° 6	19°55	24°14	22° 4	6°17	16°59	16°47	4° 9	17°28	T 13
W14	23 29 11	20°25'34	25°36	4°27	5°12	20°48	23°58	19°50	24°12	22° 6	6°16	16°49	16°44	4°16	17°26	W14
T 15	23 33 8	21°24'15	8♍55	6° 2	6°18	21°29	23°50	19°46	24°10	22° 7	6°15	16°37	16°41	4°23	17°23	T 15
F 16	23 37 5	22°22'57	22° 1	7°40	7°25	22° 9	23°42	19°41	24° 8	22° 8	6°14	16°24	16°38	4°29	17°21	F 16
S 17	23 41 1	23°21'41	4♎52	9°21	8°31	22°49	23°34	19°36	24° 6	22°10	6°13	16°11	16°34	4°36	17°18	S 17
S 18	23 44 58	24°20'28	17°26	11° 4	9°36	23°30	23°26	19°32	24° 4	22°11	6°12	15°59	16°31	4°43	17°15	S 18
M19	23 48 54	25°19'16	29°46	12°50	10°42	24°10	23°18	19°27	24° 2	22°12	6°10	15°50	16°28	4°49	17°13	M19
T 20	23 52 51	26°18'06	11♏52	14°36	11°48	24°51	23°10	19°23	24° 0	22°13	6° 9	15°43	16°25	4°56	17°10	T 20
W21	23 56 47	27°16'58	23°48	16°24	12°53	25°31	23° 2	19°18	23°59	22°14	6° 8	15°38	16°22	5° 3	17° 8	W21
T 22	0 0 44	28°15'52	5♐37	18°12	13°58	26°12	22°54	19°13	23°57	22°16	6° 7	15°37	16°18	5° 9	17° 5	T 22
F 23	0 4 40	29°14'48	17°24	20° 1	15° 3	26°53	22°46	19° 9	23°55	22°17	6° 6	15°D36	16°15	5°16	17° 2	F 23
S 24	0 8 37	0♎13'45	29°15	21°50	16° 8	27°34	22°38	19° 4	23°53	22°18	6° 5	15°R36	16°12	5°23	17° 0	S 24
S 25	0 12 34	1°12'45	11♑15	23°38	17°12	28°15	22°30	19° 0	23°51	22°19	6° 4	15°36	16° 9	5°29	16°57	S 25
M26	0 16 30	2°11'46	23°29	25°27	18°17	28°55	22°22	18°55	23°50	22°20	6° 2	15°34	16° 6	5°36	16°54	M26
T 27	0 20 27	3°10'48	6♒ 2	27°16	19°21	29°36	22°15	18°51	23°48	22°21	6° 1	15°30	16° 3	5°43	16°51	T 27
W28	0 24 23	4° 9'53	18°58	29° 4	20°25	0♏18	22° 7	18°47	23°46	22°22	6° 0	15°23	15°59	5°49	16°49	W28
T 29	0 28 20	5° 8'59	2♓20	0♎51	21°28	0°59	21°59	18°42	23°45	22°23	5°59	15°14	15°56	5°56	16°46	T 29
F 30	0 32 16	6♎ 8'07	16♓ 6	2♎38	22♏32	1♏40	21♓52	18♓38	23♒43	22♋24	5♈58	15♐ 4	15♐53	6♐ 2	16♈43	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	8n41	9s 9	4n35	12n21	1s34	8s47	0s47	4s34	0n17	3s12	1s36	5s51	2s24	14s 3	0s47	21n13	0s31	13s16	17s17	22s58	22s54	22s 3	8n14	1n17
F 2	8 19	4 6	4 56	12 38	1 16	9 17	0 51	4 50	0 16	3 15	1 36	5 53	2 24	14 4	0 47	21 13	0 31	13 17	17 18	22 57	22 53	22 3	8 13	1 17
S 3	7 57	1n15	5 0	12 51	0 57	9 47	0 55	5 6	0 16	3 18	1 36	5 55	2 24	14 5	0 47	21 13	0 31	13 17	17 18	22 55	22 53	22 4	8 12	1 17
S 4	7 35	6 37	4 46	13 1	0 39	10 16	1 0	5 22	0 15	3 21	1 36	5 57	2 25	14 6	0 47	21 13	0 31	13 18	17 18	22 54	22 53	22 4	8 12	1 17
M 5	7 13	11 41	4 14	13 7	0 22	10 45	1 4	5 38	0 14	3 25	1 36	5 59	2 25	14 6	0 47	21 12	0 31	13 18	17 18	22 54	22 53	22 5	8 11	1 17
T 6	6 50	16 9	3 27	13 9	0 6	11 14	1 9	5 54	0 14	3 28	1 36	6 0	2 25	14 7	0 47	21 12	0 31	13 19	17 18	22 53	22 52	22 5	8 10	1 17
W 7	6 28	19 40	2 26	13 8	0n10	11 42	1 13	6 10	0 13	3 31	1 37	6 2	2 25	14 8	0 47	21 12	0 31	13 19	17 18	22 53	22 52	22 5	8 9	1 17
T 8	6 5	21 58	1 17	13 2	0 24	12 11	1 18	6 26	0 12	3 34	1 37	6 4	2 25	14 9	0 47	21 12	0 31	13 20	17 19	22 52	22 52	22 6	8 8	1 17
F 9	5 43	22 52	0 3	12 53	0 38	12 39	1 22	6 42	0 12	3 37	1 37	6 6	2 25	14 9	0 47	21 11	0 31	13 20	17 19	22 52	22 51	22 6	8 7	1 17
S 10	5 20	22 19	1s11	12 41	0 50	13 7	1 27	6 57	0 11	3 40	1 37	6 8	2 25	14 10	0 47	21 11	0 31	13 21	17 19	22 52	22 51	22 7	8 6	1 17
S 11	4 57	20 23	2 20	12 24	1 1	13 34	1 31	7 13	0 10	3 44	1 37	6 10	2 25	14 11	0 47	21 11	0 31	13 22	17 19	22 52	22 51	22 7	8 5	1 17
M12	4 34	17 16	3 19	12 5	1 11	14 2	1 36	7 29	0 10	3 47	1 37	6 12	2 25	14 11	0 47	21 11	0 31	13 22	17 19	22 52	22 50	22 8	8 4	1 17
T 13	4 11	13 15	4 7	11 42	1 20	14 29	1 40	7 45	0 9	3 50	1 37	6 14	2 25	14 12	0 47	21 10	0 31	13 23	17 19	22 51	22 50	22 8	8 3	1 17
W14	3 48	8 37	4 40	11 16	1 28	14 56	1 45	8 1	0 8	3 53	1 37	6 15	2 25	14 13	0 46	21 10	0 31	13 23	17 19	22 50	22 50	22 8	8 2	1 17
T 15	3 25	3 39	4 58	10 47	1 34	15 22	1 49	8 16	0 8	3 56	1 37	6 17	2 25	14 13	0 46	21 10	0 31	13 24	17 19	22 49	22 49	22 9	8 1	1 17
F 16	3 2	1s24	4 59	10 15	1 39	15 48	1 54	8 32	0 7	4 0	1 37	6 19	2 25	14 14	0 46	21 10	0 31	13 24	17 20	22 48	22 49	22 9	8 0	1 17
S 17	2 38	6 17	4 45	9 41	1 44	16 14	1 58	8 48	0 6	4 3	1 37	6 21	2 25	14 15	0 46	21 10	0 31	13 25	17 20	22 46	22 49	22 10	7 59	1 17
S 18	2 15	10 49	4 17	9 5	1 47	16 40	2 3	9 3	0 6	4 6	1 37	6 23	2 25	14 15	0 46	21 9	0 31	13 25	17 20	22 45	22 49	22 10	7 58	1 17
M19	1 52	14 48	3 38	8 27	1 50	17 5	2 7	9 19	0 5	4 9	1 37	6 25	2 25	14 16	0 46	21 9	0 31	13 26	17 20	22 44	22 48	22 10	7 57	1 17
T 20	1 28	18 6	2 49	7 47	1 51	17 30	2 12	9 34	0 4	4 13	1 37	6 27	2 25	14 17	0 46	21 9	0 31	13 26	17 20	22 43	22 48	22 11	7 56	1 17
W21	1 5	20 35	1 53	7 6	1 52	17 54	2 16	9 50	0 4	4 16	1 37	6 28	2 25	14 17	0 46	21 9	0 31	13 27	17 20	22 43	22 48	22 11	7 55	1 17
T 22	0 42	22 9	0 53	6 24	1 52	18 18	2 20	10 5	0 3	4 19	1 37	6 30	2 25	14 18	0 46	21 9	0 31	13 27	17 20	22 43	22 47	22 11	7 54	1 16
F 23	0 18	22 44	0n10	5 40	1 51	18 42	2 25	10 21	0 2	4 22	1 37	6 32	2 25	14 18	0 46	21 8	0 31	13 28	17 20	22 43	22 47	22 12	7 53	1 16
S 24	0s 5	22 18	1 12	4 56	1 50	19 5	2 29	10 36	0 2	4 25	1 37	6 34	2 25	14 19	0 46	21 8	0 31	13 28	17 20	22 43	22 47	22 12	7 52	1 16
S 25	0 29	20 50	2 12	4 11	1 48	19 28	2 34	10 51	0 1	4 28	1 37	6 35	2 25	14 20	0 46	21 8	0 31	13 29	17 20	22 43	22 46	22 12	7 51	1 16
M26	0 53	18 22	3 7	3 25	1 45	19 50	2 38	11 6	0 1	4 31	1 37	6 37	2 25	14 20	0 46	21 8	0 31	13 29	17 20	22 43	22 46	22 13	7 50	1 16
T 27	1 16	15 1	3 55	2 39	1 42	20 12	2 42	11 22	0s 0	4 34	1 37	6 39	2 25	14 21	0 46	21 8	0 31	13 30	17 20	22 42	22 46	22 13	7 49	1 16
W28	1 40	10 52	4 32	1 53	1 39	20 34	2 46	11 37	0 1	4 37	1 37	6 41	2 25	14 21	0 46	21 8	0 31	13 30	17 20	22 41	22 45	22 13	7 47	1 16
T 29	2 3	6 4	4 55	1 6	1 35	20 55	2 51	11 52	0 1	4 40	1 37	6 42	2 25	14 22	0 46	21 7	0 31	13 31	17 20	22 40	22 45	22 14	7 46	1 16
F 30	2s27	0s51	5n 3	0n20	1n30	21s15	2s55	12s 7	0s 2	4s43	1s37	6s44	2s25	14s22	0s46	21n 7	0s31	13s31	17s20	22s39	22s45	22s14	7n45	1n16

Julian Day Number = 2299481.5, Delta T = 113.69 sec
Ecliptic obliquity = 23°29'35, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'48, Lahiri = 18°02'48Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

OCTOBER 1583 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 36 13	7♎ 7'17	0♈16	4♎25	23♏35	2♏21	21°R44	18°R34	23°R42	22♋25	5°R57	14°R53	15♐50	6♐ 9	16°R40	S 1
S 2	0 40 9	8° 6'30	14°43	6°11	24°37	3° 2	21♓37	18♓29	23♒40	22°25	5♈55	14♐42	15°47	6°16	16♈37	S 2
M 3	0 44 6	9° 5'44	29°21	7°56	25°40	3°44	21°30	18°25	23°39	22°26	5°54	14°34	15°44	6°22	16°34	M 3
T 4	0 48 2	10° 5'00	14♉ 2	9°40	26°42	4°25	21°22	18°21	23°37	22°27	5°53	14°28	15°40	6°29	16°32	T 4
W 5	0 51 59	11° 4'19	28°40	11°24	27°44	5° 7	21°15	18°17	23°36	22°28	5°52	14°25	15°37	6°36	16°29	W 5
T 6	0 55 56	12° 3'40	13♊10	13° 7	28°46	5°48	21° 8	18°13	23°34	22°28	5°51	14°D24	15°34	6°42	16°26	T 6
F 7	0 59 52	13° 3'04	27°27	14°49	29°47	6°30	21° 1	18° 9	23°33	22°29	5°50	14°24	15°31	6°49	16°23	F 7
S 8	1 3 49	14° 2'30	11♋30	16°30	0♐48	7°11	20°55	18° 5	23°32	22°30	5°48	14°R25	15°28	6°56	16°20	S 8
S 9	1 7 45	15° 1'58	25°19	18°11	1°49	7°53	20°48	18° 1	23°31	22°30	5°47	14°24	15°24	7° 2	16°17	S 9
M10	1 11 42	16° 1'28	8♌54	19°51	2°50	8°35	20°41	17°57	23°29	22°31	5°46	14°22	15°21	7° 9	16°14	M10
T 11	1 15 38	17° 1'01	22°16	21°31	3°50	9°17	20°35	17°54	23°28	22°31	5°45	14°17	15°18	7°16	16°12	T 11
W12	1 19 35	18° 0'36	5♍25	23° 9	4°49	9°59	20°29	17°50	23°27	22°32	5°44	14°10	15°15	7°22	16° 9	W12
T 13	1 23 31	19° 0'14	18°22	24°47	5°49	10°41	20°23	17°46	23°26	22°32	5°43	14° 1	15°12	7°29	16° 6	T 13
F 14	1 27 28	19°59'53	1♎ 6	26°25	6°48	11°23	20°17	17°43	23°25	22°33	5°42	13°51	15° 9	7°35	16° 3	F 14
S 15	1 31 25	20°59'34	13°39	28° 2	7°46	12° 5	20°11	17°39	23°24	22°33	5°40	13°41	15° 5	7°42	16° 0	S 15
S 16	1 35 21	21°59'18	25°59	29°38	8°44	12°47	20° 5	17°36	23°23	22°34	5°39	13°32	15° 2	7°49	15°57	S 16
M17	1 39 18	22°59'04	8♏ 9	1♏13	9°42	13°29	19°59	17°32	23°22	22°34	5°38	13°24	14°59	7°55	15°54	M17
T 18	1 43 14	23°58'51	20° 8	2°48	10°39	14°12	19°54	17°29	23°22	22°34	5°37	13°19	14°56	8° 2	15°52	T 18
W19	1 47 11	24°58'41	2♐ 0	4°23	11°36	14°54	19°49	17°26	23°21	22°35	5°36	13°16	14°53	8° 9	15°49	W19
T 20	1 51 7	25°58'32	13°47	5°57	12°32	15°36	19°44	17°23	23°20	22°35	5°35	13°D15	14°49	8°15	15°46	T 20
F 21	1 55 4	26°58'25	25°33	7°30	13°28	16°19	19°39	17°20	23°19	22°35	5°34	13°16	14°46	8°22	15°43	F 21
S 22	1 59 0	27°58'20	7♑22	9° 3	14°24	17° 1	19°34	17°17	23°19	22°35	5°33	13°18	14°43	8°29	15°40	S 22
S 23	2 2 57	28°58'16	19°20	10°35	15°18	17°44	19°30	17°14	23°18	22°35	5°32	13°19	14°40	8°35	15°38	S 23
M24	2 6 54	29°58'14	1♒31	12° 7	16°12	18°27	19°25	17°11	23°18	22°35	5°31	13°R19	14°37	8°42	15°35	M24
T 25	2 10 50	0♏58'14	14° 1	13°39	17° 6	19° 9	19°21	17° 9	23°17	22°35	5°30	13°18	14°34	8°49	15°32	T 25
W26	2 14 47	1°58'15	26°54	15°10	17°59	19°52	19°17	17° 6	23°17	22°R35	5°29	13°16	14°30	8°55	15°29	W26
T 27	2 18 43	2°58'18	10♓14	16°40	18°51	20°35	19°13	17° 3	23°16	22°35	5°27	13°11	14°27	9° 2	15°27	T 27
F 28	2 22 40	3°58'23	24° 3	18°10	19°43	21°18	19°10	17° 1	23°16	22°35	5°26	13° 6	14°24	9° 9	15°24	F 28
S 29	2 26 36	4°58'29	8♈18	19°39	20°34	22° 1	19° 6	16°59	23°16	22°35	5°25	12°59	14°21	9°15	15°21	S 29
S 30	2 30 33	5°58'37	22°57	21° 8	21°24	22°44	19° 3	16°56	23°16	22°35	5°24	12°54	14°18	9°22	15°19	S 30
M31	2 34 29	6♏58'46	7♉52	22♏37	22♐13	23♏27	19♓ 0	16♓54	23♒15	22♋35	5♈24	12♐49	14♐15	9♐28	15♈16	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	2s50	4n34	4n52	0s27	1n26	21s36	2s59	12s21	0s 3	4s46	1s37	6s46	2s25	14s23	0s46	21n 7	0s31	13s32	17s20	22s38	22s44	22s14	7n44	1n16
S 2	3 13	9 51	4 23	1 14	1 21	21 55	3 3	12 36	0 3	4 49	1 37	6 47	2 25	14 23	0 46	21 7	0 31	13 32	17 20	22 37	22 44	22 15	7 43	1 16
M 3	3 37	14 38	3 36	2 0	1 15	22 14	3 7	12 51	0 4	4 52	1 37	6 49	2 25	14 24	0 46	21 7	0 31	13 32	17 20	22 36	22 44	22 15	7 42	1 16
T 4	4 0	18 33	2 35	2 46	1 10	22 33	3 11	13 6	0 5	4 55	1 37	6 50	2 25	14 24	0 46	21 7	0 31	13 33	17 20	22 35	22 43	22 15	7 41	1 16
W 5	4 23	21 15	1 23	3 32	1 4	22 51	3 15	13 20	0 5	4 57	1 37	6 52	2 25	14 25	0 46	21 7	0 31	13 33	17 20	22 35	22 43	22 15	7 39	1 16
T 6	4 47	22 32	0 7	4 18	0 58	23 9	3 18	13 35	0 6	5 0	1 36	6 53	2 25	14 25	0 46	21 6	0 31	13 34	17 20	22 35	22 43	22 16	7 38	1 16
F 7	5 10	22 19	1s 9	5 3	0 52	23 26	3 22	13 49	0 6	5 3	1 36	6 55	2 25	14 25	0 46	21 6	0 31	13 34	17 20	22 35	22 42	22 16	7 37	1 15
S 8	5 33	20 40	2 20	5 48	0 46	23 43	3 26	14 3	0 7	5 5	1 36	6 56	2 25	14 26	0 46	21 6	0 31	13 35	17 20	22 35	22 42	22 16	7 36	1 15
S 9	5 56	17 50	3 21	6 32	0 39	23 59	3 29	14 17	0 8	5 8	1 36	6 58	2 25	14 26	0 46	21 6	0 31	13 35	17 20	22 35	22 42	22 16	7 35	1 15
M10	6 19	14 4	4 9	7 16	0 33	24 15	3 33	14 32	0 8	5 10	1 36	6 59	2 25	14 26	0 46	21 6	0 31	13 35	17 20	22 34	22 41	22 17	7 34	1 15
T 11	6 42	9 39	4 44	8 0	0 26	24 30	3 36	14 46	0 9	5 12	1 36	7 1	2 25	14 27	0 46	21 6	0 31	13 36	17 20	22 34	22 41	22 17	7 32	1 15
W12	7 5	4 52	5 2	8 43	0 20	24 44	3 39	15 0	0 10	5 15	1 36	7 2	2 24	14 27	0 46	21 6	0 31	13 36	17 20	22 33	22 40	22 17	7 31	1 15
T 13	7 28	0s 4	5 5	9 25	0 13	24 58	3 43	15 13	0 10	5 17	1 36	7 3	2 24	14 27	0 46	21 6	0 31	13 37	17 20	22 32	22 40	22 17	7 30	1 15
F 14	7 50	4 54	4 52	10 7	0 6	25 12	3 46	15 27	0 11	5 19	1 35	7 5	2 24	14 28	0 46	21 6	0 31	13 37	17 20	22 31	22 40	22 18	7 29	1 15
S 15	8 13	9 28	4 25	10 48	0s 1	25 25	3 49	15 41	0 11	5 21	1 35	7 6	2 24	14 28	0 46	21 6	0 31	13 37	17 20	22 30	22 39	22 18	7 28	1 15
S 16	8 35	13 34	3 47	11 29	0 7	25 37	3 52	15 54	0 12	5 24	1 35	7 7	2 24	14 28	0 46	21 6	0 31	13 38	17 19	22 28	22 39	22 18	7 26	1 15
M17	8 57	17 3	2 58	12 9	0 14	25 49	3 54	16 7	0 13	5 26	1 35	7 8	2 24	14 29	0 46	21 5	0 31	13 38	17 19	22 28	22 39	22 18	7 25	1 15
T 18	9 19	19 46	2 2	12 48	0 21	26 0	3 57	16 21	0 13	5 28	1 35	7 10	2 24	14 29	0 46	21 5	0 31	13 38	17 19	22 27	22 38	22 18	7 24	1 15
W19	9 41	21 36	1 1	13 27	0 28	26 11	4 0	16 34	0 14	5 29	1 35	7 11	2 24	14 29	0 46	21 5	0 31	13 39	17 19	22 27	22 38	22 19	7 23	1 14
T 20	10 3	22 27	0n 3	14 4	0 34	26 21	4 2	16 47	0 15	5 31	1 34	7 12	2 24	14 29	0 46	21 5	0 31	13 39	17 19	22 26	22 38	22 19	7 22	1 14
F 21	10 25	22 19	1 6	14 42	0 41	26 30	4 4	17 0	0 15	5 33	1 34	7 13	2 23	14 29	0 46	21 5	0 31	13 39	17 19	22 27	22 37	22 19	7 20	1 14
S 22	10 47	21 10	2 7	15 18	0 48	26 39	4 6	17 13	0 16	5 35	1 34	7 14	2 23	14 30	0 45	21 5	0 31	13 39	17 19	22 27	22 37	22 19	7 19	1 14
S 23	11 8	19 4	3 3	15 53	0 54	26 48	4 8	17 25	0 16	5 36	1 34	7 15	2 23	14 30	0 45	21 5	0 31	13 40	17 19	22 27	22 37	22 19	7 18	1 14
M24	11 29	16 5	3 52	16 28	1 1	26 55	4 10	17 38	0 17	5 38	1 34	7 16	2 23	14 30	0 45	21 5	0 31	13 40	17 18	22 27	22 36	22 20	7 17	1 14
T 25	11 50	12 19	4 31	17 2	1 7	27 3	4 12	17 50	0 18	5 39	1 33	7 17	2 23	14 30	0 45	21 5	0 31	13 40	17 18	22 27	22 36	22 20	7 16	1 14
W26	12 11	7 54	4 58	17 35	1 13	27 9	4 13	18 2	0 18	5 41	1 33	7 18	2 23	14 30	0 45	21 5	0 31	13 41	17 18	22 26	22 35	22 20	7 15	1 14
T 27	12 32	2 57	5 10	18 8	1 20	27 15	4 15	18 14	0 19	5 42	1 33	7 19	2 23	14 30	0 45	21 5	0 31	13 41	17 18	22 26	22 35	22 20	7 14	1 14
F 28	12 52	2n18	5 5	18 39	1 26	27 21	4 16	18 26	0 19	5 43	1 33	7 19	2 22	14 30	0 45	21 5	0 31	13 41	17 18	22 25	22 35	22 20	7 12	1 14
S 29	13 13	7 36	4 41	19 9	1 31	27 26	4 17	18 38	0 20	5 44	1 32	7 20	2 22	14 30	0 45	21 5	0 31	13 41	17 18	22 24	22 34	22 20	7 11	1 13
S 30	13 33	12 38	3 59	19 39	1 37	27 30	4 18	18 50	0 21	5 45	1 32	7 21	2 22	14 30	0 45	21 5	0 31	13 41	17 17	22 24	22 34	22 21	7 10	1 13
M31	13s52	16n59	2n59	20s 7	1s43	27s34	4s18	19s 1	0s21	5s46	1s32	7s22	2s22	14s30	0s45	21n 5	0s31	13s42	17s17	22s23	22s34	22s21	7n 9	1n13

Julian Day Number = 2299511.5, Delta T = 113.55 sec
Ecliptic obliquity = 23°29'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'52, Lahiri = 18°02'53Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

NOVEMBER 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 38 26	7♏58'58	22♉55	24♏ 5	23♐ 2	24♏10	18°R57	16°R52	23°R15	22°R35	5°R23	12°R46	14♐11	9♐35	15°R13	T 1
W 2	2 42 23	8°59'12	7♊57	25°32	23°49	24°53	18♓55	16♓50	23♒15	22♋35	5♈22	12°D44	14° 8	9°42	15♈11	W 2
T 3	2 46 19	9°59'27	22°49	26°59	24°36	25°36	18°52	16°48	23°D15	22°34	5°21	12♐45	14° 5	9°48	15° 8	T 3
F 4	2 50 16	10°59'44	7♋26	28°25	25°22	26°20	18°50	16°47	23°15	22°34	5°20	12°46	14° 2	9°55	15° 6	F 4
S 5	2 54 12	12° 0'04	21°43	29°51	26° 8	27° 3	18°48	16°45	23°15	22°34	5°19	12°47	13°59	10° 2	15° 3	S 5
S 6	2 58 9	13° 0'25	5♌39	1♐16	26°52	27°46	18°46	16°43	23°15	22°34	5°18	12°48	13°55	10° 8	15° 1	S 6
M 7	3 2 5	14° 0'48	19°13	2°40	27°35	28°30	18°44	16°42	23°16	22°33	5°17	12°R49	13°52	10°15	14°58	M 7
T 8	3 6 2	15° 1'14	2♍27	4° 4	28°17	29°13	18°43	16°41	23°16	22°33	5°16	12°47	13°49	10°22	14°56	T 8
W 9	3 9 58	16° 1'41	15°23	5°26	28°58	29°57	18°42	16°39	23°16	22°32	5°15	12°45	13°46	10°28	14°54	W 9
T 10	3 13 55	17° 2'10	28° 4	6°48	29°38	0♐41	18°41	16°38	23°16	22°32	5°15	12°41	13°43	10°35	14°51	T 10
F 11	3 17 52	18° 2'41	10♎31	8° 8	0♑17	1°24	18°40	16°37	23°17	22°31	5°14	12°37	13°40	10°42	14°49	F 11
S 12	3 21 48	19° 3'13	22°47	9°27	0°54	2° 8	18°39	16°36	23°17	22°31	5°13	12°33	13°36	10°48	14°47	S 12
S 13	3 25 45	20° 3'47	4♏53	10°45	1°30	2°52	18°39	16°35	23°18	22°30	5°12	12°29	13°33	10°55	14°44	S 13
M14	3 29 41	21° 4'23	16°52	12° 2	2° 5	3°36	18°D39	16°35	23°18	22°30	5°11	12°26	13°30	11° 1	14°42	M14
T 15	3 33 38	22° 5'01	28°44	13°16	2°39	4°20	18°39	16°34	23°19	22°29	5°11	12°24	13°27	11° 8	14°40	T 15
W16	3 37 34	23° 5'40	10♐32	14°29	3°11	5° 4	18°39	16°33	23°20	22°28	5°10	12°D24	13°24	11°15	14°38	W16
T 17	3 41 31	24° 6'20	22°19	15°39	3°41	5°48	18°40	16°33	23°20	22°28	5° 9	12°24	13°21	11°21	14°36	T 17
F 18	3 45 27	25° 7'01	4♑ 6	16°47	4°10	6°32	18°40	16°33	23°21	22°27	5° 8	12°25	13°17	11°28	14°34	F 18
S 19	3 49 24	26° 7'44	15°57	17°52	4°38	7°16	18°41	16°32	23°22	22°26	5° 8	12°27	13°14	11°35	14°32	S 19
S 20	3 53 21	27° 8'28	27°56	18°53	5° 3	8° 0	18°42	16°D32	23°23	22°25	5° 7	12°28	13°11	11°41	14°30	S 20
M21	3 57 17	28° 9'13	10♒ 6	19°51	5°27	8°45	18°43	16°32	23°24	22°25	5° 6	12°29	13° 8	11°48	14°28	M21
T 22	4 1 14	29° 9'59	22°33	20°44	5°49	9°29	18°45	16°32	23°24	22°24	5° 6	12°30	13° 5	11°55	14°26	T 22
W23	4 5 10	0♐10'46	5♓21	21°33	6°10	10°13	18°47	16°33	23°25	22°23	5° 5	12°R30	13° 1	12° 1	14°24	W23
T 24	4 9 7	1°11'34	18°32	22°15	6°28	10°58	18°48	16°33	23°26	22°22	5° 5	12°29	12°58	12° 8	14°23	T 24
F 25	4 13 3	2°12'23	2♈11	22°52	6°44	11°42	18°51	16°33	23°28	22°21	5° 4	12°28	12°55	12°15	14°21	F 25
S 26	4 17 0	3°13'13	16°18	23°21	6°58	12°27	18°53	16°34	23°29	22°20	5° 4	12°27	12°52	12°21	14°19	S 26
S 27	4 20 56	4°14'03	0♉51	23°43	7°10	13°11	18°55	16°35	23°30	22°19	5° 3	12°26	12°49	12°28	14°18	S 27
M28	4 24 53	5°14'55	15°45	23°56	7°20	13°56	18°58	16°35	23°31	22°18	5° 3	12°25	12°46	12°34	14°16	M28
T 29	4 28 50	6°15'48	0♊55	23°R59	7°27	14°41	19° 1	16°36	23°32	22°17	5° 2	12°25	12°42	12°41	14°15	T 29
W30	4 32 46	7♐16'42	16♊ 9	23♐52	7♑33	15♐26	19♓ 4	16♓37	23♒34	22♋16	5♈ 2	12°D25	12♐39	12♐48	14♈13	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s12	20n15	1n46	20s35	1s48	27s37	4s19	19s12	0s22	5s47	1s32	7s22	2s22	14s30	0s45	21n 5	0s31	13s42	17s17	22s23	22s33	22s21	7n 8	1n13
W 2	14 31	22 7	0 26	21 1	1 53	27 40	4 19	19 24	0 22	5 48	1 31	7 23	2 22	14 30	0 45	21 5	0 31	13 42	17 17	22 23	22 33	22 21	7 7	1 13
T 3	14 51	22 23	0s55	21 27	1 58	27 42	4 19	19 35	0 23	5 49	1 31	7 23	2 21	14 30	0 45	21 5	0 31	13 42	17 17	22 23	22 32	22 21	7 6	1 13
F 4	15 10	21 6	2 11	21 51	2 3	27 43	4 19	19 45	0 24	5 49	1 31	7 24	2 21	14 30	0 45	21 5	0 31	13 42	17 16	22 23	22 32	22 21	7 5	1 13
S 5	15 28	18 29	3 18	22 14	2 7	27 45	4 18	19 56	0 24	5 50	1 31	7 24	2 21	14 30	0 45	21 5	0 31	13 43	17 16	22 23	22 32	22 21	7 4	1 13
S 6	15 47	14 51	4 11	22 36	2 12	27 45	4 18	20 7	0 25	5 50	1 31	7 25	2 21	14 30	0 45	21 5	0 31	13 43	17 16	22 23	22 31	22 21	7 2	1 13
M 7	16 5	10 32	4 48	22 57	2 16	27 45	4 17	20 17	0 25	5 51	1 30	7 25	2 21	14 30	0 45	21 5	0 31	13 43	17 16	22 23	22 31	22 21	7 1	1 12
T 8	16 23	5 49	5 9	23 17	2 19	27 45	4 16	20 27	0 26	5 51	1 30	7 26	2 21	14 30	0 45	21 5	0 31	13 43	17 15	22 23	22 31	22 22	7 0	1 12
W 9	16 40	0 57	5 14	23 36	2 22	27 44	4 14	20 37	0 26	5 51	1 30	7 26	2 20	14 30	0 45	21 6	0 31	13 43	17 15	22 23	22 30	22 22	6 59	1 12
T 10	16 58	3s52	5 3	23 53	2 25	27 42	4 13	20 47	0 27	5 52	1 29	7 26	2 20	14 30	0 45	21 6	0 31	13 43	17 15	22 22	22 30	22 22	6 58	1 12
F 11	17 15	8 26	4 38	24 9	2 28	27 40	4 11	20 56	0 28	5 52	1 29	7 27	2 20	14 30	0 45	21 6	0 31	13 43	17 15	22 22	22 29	22 22	6 57	1 12
S 12	17 31	12 36	4 0	24 23	2 30	27 38	4 8	21 6	0 28	5 52	1 29	7 27	2 20	14 29	0 45	21 6	0 31	13 43	17 14	22 21	22 29	22 22	6 56	1 12
S 13	17 48	16 12	3 12	24 37	2 32	27 35	4 6	21 15	0 29	5 52	1 29	7 27	2 20	14 29	0 45	21 6	0 31	13 43	17 14	22 21	22 29	22 22	6 55	1 12
M14	18 4	19 5	2 16	24 48	2 33	27 31	4 3	21 24	0 29	5 51	1 28	7 27	2 19	14 29	0 45	21 6	0 31	13 43	17 14	22 20	22 28	22 22	6 54	1 12
T 15	18 20	21 8	1 15	24 59	2 33	27 28	4 0	21 33	0 30	5 51	1 28	7 27	2 19	14 29	0 45	21 6	0 31	13 43	17 14	22 20	22 28	22 22	6 53	1 11
W16	18 35	22 15	0 10	25 8	2 33	27 23	3 56	21 41	0 30	5 51	1 28	7 27	2 19	14 29	0 45	21 6	0 31	13 43	17 13	22 20	22 27	22 22	6 53	1 11
T 17	18 50	22 22	0n55	25 15	2 33	27 19	3 52	21 50	0 31	5 50	1 28	7 27	2 19	14 28	0 45	21 6	0 31	13 44	17 13	22 20	22 27	22 22	6 52	1 11
F 18	19 5	21 28	1 57	25 21	2 32	27 13	3 48	21 58	0 31	5 50	1 27	7 27	2 19	14 28	0 45	21 6	0 31	13 44	17 13	22 20	22 27	22 22	6 51	1 11
S 19	19 20	19 38	2 56	25 25	2 29	27 8	3 43	22 6	0 32	5 49	1 27	7 27	2 18	14 28	0 45	21 7	0 31	13 44	17 12	22 20	22 26	22 22	6 50	1 11
S 20	19 34	16 55	3 47	25 28	2 27	27 2	3 38	22 14	0 33	5 49	1 27	7 27	2 18	14 27	0 44	21 7	0 31	13 44	17 12	22 20	22 26	22 22	6 49	1 11
M21	19 48	13 26	4 28	25 29	2 23	26 56	3 33	22 21	0 33	5 48	1 27	7 27	2 18	14 27	0 44	21 7	0 31	13 43	17 12	22 21	22 26	22 22	6 48	1 11
T 22	20 1	9 19	4 59	25 28	2 18	26 49	3 27	22 29	0 34	5 47	1 26	7 26	2 18	14 27	0 44	21 7	0 31	13 43	17 12	22 21	22 25	22 22	6 47	1 11
W23	20 14	4 41	5 15	25 26	2 13	26 42	3 21	22 36	0 34	5 46	1 26	7 26	2 18	14 26	0 44	21 7	0 31	13 43	17 11	22 21	22 25	22 22	6 46	1 10
T 24	20 27	0n18	5 16	25 22	2 6	26 34	3 14	22 43	0 35	5 45	1 26	7 26	2 17	14 26	0 44	21 7	0 31	13 43	17 11	22 21	22 24	22 22	6 46	1 10
F 25	20 39	5 27	4 59	25 16	1 58	26 26	3 7	22 49	0 35	5 44	1 25	7 25	2 17	14 26	0 44	21 7	0 31	13 43	17 11	22 20	22 24	22 22	6 45	1 10
S 26	20 51	10 29	4 24	25 8	1 49	26 18	3 0	22 56	0 36	5 43	1 25	7 25	2 17	14 25	0 44	21 7	0 31	13 43	17 10	22 20	22 24	22 22	6 44	1 10
S 27	21 2	15 5	3 31	24 59	1 38	26 10	2 52	23 2	0 36	5 42	1 25	7 25	2 17	14 25	0 44	21 8	0 31	13 43	17 10	22 20	22 23	22 22	6 43	1 10
M28	21 13	18 52	2 23	24 48	1 27	26 1	2 43	23 8	0 37	5 40	1 25	7 24	2 17	14 24	0 44	21 8	0 31	13 43	17 10	22 20	22 23	22 22	6 43	1 10
T 29	21 24	21 25	1 4	24 34	1 13	25 51	2 35	23 14	0 37	5 39	1 24	7 24	2 16	14 24	0 44	21 8	0 31	13 43	17 9	22 20	22 22	22 22	6 42	1 10
W30	21s34	22n26	0s21	24s19	0s58	25s42	2s25	23s19	0s38	5s38	1s24	7s23	2s16	14s23	0s44	21n 8	0s31	13s43	17s 9	22s20	22s22	22s22	6n41	1n10

Julian Day Number = 2299542.5, Delta T = 113.40 sec
Ecliptic obliquity = 23°29'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°55'56, Lahiri = 18°02'57Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1583
geocentric

DECEMBER 1583 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 36 43	8♐17'37	1♋20	23°R34	7♑35	16♐10	19♓ 7	16♓38	23♒35	22°R15	5°R 1	12♐25	12♐36	12♐54	14°R12	T 1
F 2	4 40 39	9°18'33	16°16	23♐ 5	7°R36	16°55	19°11	16°40	23°37	22♋14	5♈ 1	12°25	12°33	13° 1	14♈10	F 2
S 3	4 44 36	10°19'30	0♌52	22°24	7°34	17°40	19°14	16°41	23°38	22°13	5° 0	12°26	12°30	13° 8	14° 9	S 3
S 4	4 48 32	11°20'28	15° 3	21°32	7°29	18°25	19°18	16°42	23°40	22°11	5° 0	12°26	12°27	13°14	14° 8	S 4
M 5	4 52 29	12°21'28	28°47	20°31	7°22	19°10	19°22	16°44	23°41	22°10	5° 0	12°R26	12°23	13°21	14° 7	M 5
T 6	4 56 25	13°22'28	12♍ 5	19°20	7°13	19°55	19°27	16°45	23°43	22° 9	4°59	12°D26	12°20	13°28	14° 5	T 6
W 7	5 0 22	14°23'30	24°59	18° 3	7° 1	20°40	19°31	16°47	23°44	22° 8	4°59	12°26	12°17	13°34	14° 4	W 7
T 8	5 4 19	15°24'32	7♎33	16°42	6°46	21°25	19°36	16°49	23°46	22° 6	4°59	12°26	12°14	13°41	14° 3	T 8
F 9	5 8 15	16°25'36	19°51	15°19	6°29	22°11	19°41	16°51	23°48	22° 5	4°58	12°26	12°11	13°48	14° 2	F 9
S 10	5 12 12	17°26'41	1♏56	13°57	6°10	22°56	19°46	16°53	23°50	22° 4	4°58	12°27	12° 7	13°54	14° 1	S 10
S 11	5 16 8	18°27'46	13°52	12°39	5°49	23°41	19°51	16°55	23°52	22° 2	4°58	12°28	12° 4	14° 1	14° 1	S 11
M12	5 20 5	19°28'53	25°43	11°28	5°25	24°27	19°56	16°57	23°54	22° 1	4°58	12°28	12° 1	14° 8	14° 0	M12
T 13	5 24 1	20°30'00	7♐30	10°24	4°59	25°12	20° 2	17° 0	23°55	22° 0	4°58	12°R28	11°58	14°14	13°59	T 13
W14	5 27 58	21°31'08	19°17	9°31	4°32	25°57	20° 7	17° 2	23°57	21°58	4°57	12°28	11°55	14°21	13°58	W14
T 15	5 31 54	22°32'16	1♑ 6	8°48	4° 2	26°43	20°13	17° 5	23°59	21°57	4°57	12°28	11°52	14°27	13°58	T 15
F 16	5 35 51	23°33'25	12°59	8°15	3°31	27°28	20°19	17° 7	24° 2	21°55	4°57	12°27	11°48	14°34	13°57	F 16
S 17	5 39 48	24°34'34	24°57	7°54	2°59	28°14	20°26	17°10	24° 4	21°54	4°57	12°25	11°45	14°41	13°57	S 17
S 18	5 43 44	25°35'43	7♒ 3	7°43	2°25	29° 0	20°32	17°13	24° 6	21°53	4°57	12°23	11°42	14°47	13°56	S 18
M19	5 47 41	26°36'53	19°20	7°D42	1°50	29°45	20°39	17°16	24° 8	21°51	4°57	12°21	11°39	14°54	13°56	M19
T 20	5 51 37	27°38'03	1♓50	7°51	1°14	0♑31	20°45	17°19	24°10	21°50	4°D57	12°19	11°36	15° 1	13°55	T 20
W21	5 55 34	28°39'12	14°37	8° 8	0°38	1°17	20°52	17°22	24°12	21°48	4°57	12°18	11°33	15° 7	13°55	W21
T 22	5 59 30	29°40'22	27°42	8°32	0° 1	2° 3	20°59	17°25	24°15	21°47	4°57	12°D17	11°29	15°14	13°55	T 22
F 23	6 3 27	0♑41'32	11♈10	9° 4	29♐25	2°48	21° 7	17°28	24°17	21°45	4°57	12°17	11°26	15°21	13°55	F 23
S 24	6 7 23	1°42'41	25° 1	9°42	28°48	3°34	21°14	17°32	24°19	21°43	4°57	12°18	11°23	15°27	13°54	S 24
S 25	6 11 20	2°43'51	9♉17	10°26	28°12	4°20	21°22	17°35	24°22	21°42	4°57	12°20	11°20	15°34	13°D54	S 25
M26	6 15 17	3°45'00	23°55	11°15	27°37	5° 6	21°29	17°39	24°24	21°40	4°57	12°21	11°17	15°41	13°54	M26
T 27	6 19 13	4°46'09	8♊52	12° 8	27° 3	5°52	21°37	17°43	24°27	21°39	4°58	12°R22	11°13	15°47	13°54	T 27
W28	6 23 10	5°47'18	24° 0	13° 5	26°29	6°38	21°45	17°46	24°29	21°37	4°58	12°22	11°10	15°54	13°55	W28
T 29	6 27 6	6°48'28	9♋10	14° 5	25°58	7°24	21°54	17°50	24°32	21°35	4°58	12°20	11° 7	16° 1	13°55	T 29
F 30	6 31 3	7°49'37	24°14	15° 9	25°28	8°10	22° 2	17°54	24°35	21°34	4°58	12°17	11° 4	16° 7	13°55	F 30
S 31	6 34 59	8♑50'46	9♌ 1	16♐16	24♐59	8♑57	22♓10	17♓58	24♒37	21♋32	4♈58	12♐13	11♐ 1	16♐14	13♈55	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	21s44	21n46	1s43	24s 2	0s42	25s32	2s15	23s25	0s38	5s36	1s24	7s22	2s16	14s23	0s44	21n 8	0s31	13s43	17s 9	22s20	22s21	22s22	6n41	1n 9
F 2	21 54	19 34	2 58	23 43	0 25	25 21	2 5	23 30	0 39	5 34	1 24	7 22	2 16	14 22	0 44	21 9	0 31	13 43	17 8	22 20	22 21	22 22	6 40	1 9
S 3	22 3	16 8	3 58	23 23	0 6	25 10	1 54	23 34	0 39	5 33	1 23	7 21	2 16	14 22	0 44	21 9	0 31	13 42	17 8	22 20	22 21	22 22	6 39	1 9
S 4	22 11	11 51	4 43	23 0	0n13	24 59	1 43	23 39	0 40	5 31	1 23	7 20	2 15	14 21	0 44	21 9	0 31	13 42	17 8	22 20	22 20	22 22	6 39	1 9
M 5	22 20	7 5	5 9	22 36	0 34	24 48	1 31	23 43	0 40	5 29	1 23	7 20	2 15	14 21	0 44	21 9	0 31	13 42	17 7	22 20	22 20	22 22	6 38	1 9
T 6	22 27	2 8	5 18	22 10	0 54	24 36	1 19	23 47	0 41	5 27	1 23	7 19	2 15	14 20	0 44	21 9	0 31	13 42	17 7	22 20	22 19	22 22	6 37	1 9
W 7	22 35	2s45	5 11	21 44	1 14	24 24	1 6	23 51	0 41	5 25	1 22	7 18	2 15	14 20	0 44	21 9	0 31	13 42	17 7	22 20	22 19	22 22	6 37	1 9
T 8	22 42	7 25	4 48	21 17	1 33	24 12	0 53	23 55	0 42	5 23	1 22	7 17	2 15	14 19	0 44	21 10	0 31	13 41	17 6	22 20	22 19	22 22	6 36	1 8
F 9	22 48	11 41	4 13	20 50	1 51	23 59	0 39	23 58	0 42	5 21	1 22	7 16	2 14	14 18	0 44	21 10	0 31	13 41	17 6	22 20	22 18	22 22	6 36	1 8
S 10	22 54	15 24	3 27	20 25	2 7	23 46	0 25	24 1	0 43	5 19	1 22	7 15	2 14	14 18	0 44	21 10	0 31	13 41	17 6	22 20	22 18	22 22	6 35	1 8
S 11	22 59	18 28	2 33	20 1	2 22	23 32	0 11	24 4	0 43	5 16	1 21	7 14	2 14	14 17	0 44	21 10	0 31	13 41	17 5	22 20	22 17	22 22	6 35	1 8
M12	23 4	20 43	1 32	19 40	2 34	23 19	0n 4	24 6	0 44	5 14	1 21	7 13	2 14	14 16	0 44	21 11	0 31	13 41	17 5	22 20	22 17	22 21	6 34	1 8
T 13	23 9	22 4	0 28	19 22	2 43	23 5	0 19	24 9	0 44	5 12	1 21	7 12	2 14	14 16	0 44	21 11	0 31	13 40	17 5	22 20	22 16	22 21	6 34	1 8
W14	23 13	22 26	0n38	19 7	2 50	22 50	0 34	24 11	0 45	5 9	1 20	7 11	2 13	14 15	0 44	21 11	0 31	13 40	17 4	22 20	22 16	22 21	6 34	1 8
T 15	23 17	21 48	1 42	18 56	2 55	22 36	0 50	24 12	0 45	5 7	1 20	7 10	2 13	14 14	0 44	21 11	0 31	13 40	17 4	22 20	22 16	22 21	6 33	1 7
F 16	23 20	20 11	2 41	18 48	2 58	22 21	1 5	24 14	0 46	5 4	1 20	7 8	2 13	14 14	0 44	21 11	0 31	13 39	17 3	22 20	22 15	22 21	6 33	1 7
S 17	23 23	17 40	3 35	18 44	2 59	22 6	1 21	24 15	0 46	5 1	1 20	7 7	2 13	14 13	0 44	21 12	0 31	13 39	17 3	22 20	22 15	22 21	6 33	1 7
S 18	23 25	14 23	4 19	18 43	2 58	21 51	1 37	24 16	0 47	4 59	1 19	7 6	2 13	14 12	0 44	21 12	0 31	13 39	17 3	22 20	22 14	22 21	6 32	1 7
M19	23 27	10 26	4 52	18 45	2 56	21 36	1 52	24 17	0 47	4 56	1 19	7 5	2 13	14 11	0 44	21 12	0 31	13 38	17 2	22 20	22 14	22 21	6 32	1 7
T 20	23 28	6 0	5 11	18 50	2 53	21 21	2 8	24 17	0 48	4 53	1 19	7 3	2 12	14 11	0 43	21 12	0 31	13 38	17 2	22 19	22 13	22 21	6 32	1 7
W21	23 29	1 12	5 16	18 57	2 48	21 6	2 23	24 17	0 48	4 50	1 19	7 2	2 12	14 10	0 43	21 13	0 31	13 38	17 2	22 19	22 13	22 20	6 31	1 7
T 22	23 30	3n45	5 5	19 6	2 42	20 51	2 38	24 17	0 49	4 47	1 19	7 0	2 12	14 9	0 43	21 13	0 31	13 37	17 1	22 19	22 13	22 20	6 31	1 6
F 23	23 29	8 41	4 37	19 17	2 36	20 36	2 53	24 17	0 49	4 44	1 18	6 59	2 12	14 8	0 43	21 13	0 31	13 37	17 1	22 19	22 12	22 20	6 31	1 6
S 24	23 29	13 19	3 53	19 30	2 29	20 22	3 8	24 16	0 49	4 41	1 18	6 57	2 12	14 7	0 43	21 13	0 31	13 37	17 1	22 19	22 12	22 20	6 31	1 6
S 25	23 28	17 21	2 53	19 43	2 22	20 7	3 22	24 15	0 50	4 37	1 18	6 56	2 11	14 7	0 43	21 14	0 31	13 36	17 0	22 19	22 11	22 20	6 31	1 6
M26	23 26	20 25	1 40	19 58	2 14	19 53	3 35	24 14	0 50	4 34	1 18	6 54	2 11	14 6	0 43	21 14	0 31	13 36	17 0	22 20	22 11	22 20	6 31	1 6
T 27	23 24	22 9	0 19	20 13	2 6	19 40	3 48	24 12	0 51	4 31	1 17	6 53	2 11	14 5	0 43	21 14	0 31	13 36	16 59	22 20	22 10	22 19	6 30	1 6
W28	23 22	22 18	1s 4	20 28	1 58	19 26	4 0	24 11	0 51	4 27	1 17	6 51	2 11	14 4	0 43	21 14	0 31	13 35	16 59	22 20	22 10	22 19	6 30	1 6
T 29	23 19	20 48	2 23	20 44	1 49	19 14	4 12	24 9	0 51	4 24	1 17	6 49	2 11	14 3	0 43	21 15	0 31	13 35	16 59	22 19	22 10	22 19	6 30	1 5
F 30	23 16	17 52	3 31	21 0	1 41	19 2	4 23	24 6	0 52	4 21	1 17	6 48	2 11	14 2	0 43	21 15	0 31	13 34	16 58	22 19	22 9	22 19	6 30	1 5
S 31	23s12	13n49	4s23	21s15	1n32	18s50	4n34	24s 4	0s52	4s17	1s16	6s46	2s10	14s 1	0s43	21n15	0s31	13s34	16s58	22s19	22s 9	22s19	6n30	1n 5

Julian Day Number = 2299572.5, Delta T = 113.26 sec
Ecliptic obliquity = 23°29'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°56'00, Lahiri = 18°03'01Greg. Calendar