Astrodienst Ephemeris Tables

for the year 1603

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 1603
geocentric

JANUARY 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 40 30	10♑15'55	24♌24	19♐38	26♒54	5♒39	16♏12	29♏39	9°R40	4°R26	24°R14	4°R54	3♐27	9♒26	23♍44	W 1
T 2	6 44 27	11°17'04	9♍ 6	19°54	27°48	6°26	16°22	29°45	9♉39	4♍25	24♈14	4♐50	3°24	9°33	23°44	T 2
F 3	6 48 23	12°18'13	23°26	20°18	28°42	7°13	16°32	29°51	9°38	4°24	24°13	4°46	3°21	9°39	23°45	F 3
S 4	6 52 20	13°19'23	7♎22	20°49	29°35	8° 1	16°42	29°57	9°37	4°23	24°13	4°D45	3°18	9°46	23°46	S 4
S 5	6 56 16	14°20'32	20°53	21°25	0♓27	8°48	16°52	0♐ 3	9°37	4°22	24°13	4°45	3°15	9°53	23°46	S 5
M 6	7 0 13	15°21'42	4♏ 1	22° 7	1°18	9°35	17° 1	0° 8	9°36	4°21	24°13	4°46	3°12	10° 0	23°46	M 6
T 7	7 4 9	16°22'51	16°50	22°54	2° 9	10°23	17°11	0°14	9°35	4°20	24°13	4°48	3° 8	10° 6	23°46	T 7
W 8	7 8 6	17°24'00	29°24	23°45	2°59	11°10	17°20	0°20	9°35	4°19	24°D13	4°R49	3° 5	10°13	23°R46	W 8
T 9	7 12 2	18°25'09	11♐44	24°39	3°48	11°57	17°30	0°25	9°34	4°18	24°13	4°49	3° 2	10°20	23°46	T 9
F 10	7 15 59	19°26'18	23°55	25°38	4°36	12°45	17°39	0°31	9°34	4°17	24°13	4°47	2°59	10°26	23°46	F 10
S 11	7 19 56	20°27'27	5♑59	26°39	5°23	13°32	17°48	0°36	9°33	4°16	24°13	4°42	2°56	10°33	23°46	S 11
S 12	7 23 52	21°28'35	17°57	27°43	6° 9	14°20	17°57	0°42	9°33	4°15	24°13	4°36	2°52	10°40	23°45	S 12
M13	7 27 49	22°29'42	29°51	28°50	6°55	15° 7	18° 6	0°47	9°33	4°14	24°13	4°27	2°49	10°47	23°45	M13
T 14	7 31 45	23°30'48	11♒43	29°58	7°39	15°54	18°15	0°52	9°33	4°13	24°14	4°17	2°46	10°53	23°44	T 14
W15	7 35 42	24°31'54	23°35	1♑ 9	8°22	16°42	18°24	0°57	9°32	4°12	24°14	4° 7	2°43	11° 0	23°43	W15
T 16	7 39 38	25°32'59	5♓27	2°22	9° 5	17°29	18°32	1° 2	9°32	4°10	24°14	3°57	2°40	11° 7	23°42	T 16
F 17	7 43 35	26°34'03	17°22	3°37	9°45	18°17	18°40	1° 7	9°32	4° 9	24°14	3°48	2°37	11°13	23°41	F 17
S 18	7 47 31	27°35'07	29°24	4°53	10°25	19° 4	18°49	1°12	9°D32	4° 8	24°14	3°42	2°33	11°20	23°40	S 18
S 19	7 51 28	28°36'09	11♈36	6°10	11° 4	19°51	18°57	1°17	9°32	4° 7	24°14	3°38	2°30	11°27	23°39	S 19
M20	7 55 25	29°37'10	24° 2	7°29	11°41	20°39	19° 5	1°22	9°32	4° 5	24°15	3°36	2°27	11°33	23°38	M20
T 21	7 59 21	0♒38'10	6♉47	8°49	12°17	21°26	19°13	1°27	9°33	4° 4	24°15	3°D36	2°24	11°40	23°36	T 21
W22	8 3 18	1°39'08	19°56	10°10	12°51	22°13	19°21	1°31	9°33	4° 3	24°15	3°37	2°21	11°47	23°34	W22
T 23	8 7 14	2°40'06	3♊31	11°33	13°24	23° 1	19°28	1°36	9°33	4° 1	24°16	3°R37	2°18	11°54	23°33	T 23
F 24	8 11 11	3°41'02	17°35	12°56	13°56	23°48	19°36	1°40	9°33	4° 0	24°16	3°37	2°14	12° 0	23°31	F 24
S 25	8 15 7	4°41'57	2♋ 7	14°20	14°25	24°36	19°43	1°45	9°34	3°59	24°16	3°34	2°11	12° 7	23°29	S 25
S 26	8 19 4	5°42'51	17° 5	15°46	14°53	25°23	19°50	1°49	9°34	3°57	24°17	3°28	2° 8	12°14	23°27	S 26
M27	8 23 0	6°43'44	2♌19	17°12	15°20	26°10	19°57	1°54	9°35	3°56	24°17	3°20	2° 5	12°21	23°25	M27
T 28	8 26 57	7°44'36	17°41	18°39	15°44	26°58	20° 4	1°58	9°35	3°54	24°18	3°10	2° 2	12°27	23°22	T 28
W29	8 30 54	8°45'26	2♍58	20° 7	16° 7	27°45	20°11	2° 2	9°36	3°53	24°18	3° 0	1°58	12°34	23°20	W29
T 30	8 34 50	9°46'15	18° 0	21°36	16°28	28°32	20°18	2° 6	9°36	3°51	24°18	2°51	1°55	12°41	23°18	T 30
F 31	8 38 47	10♒47'04	2♎37	23♑ 6	16♓47	29♒20	20♏24	2♐10	9♉37	3♍50	24♈19	2♐43	1♐52	12♒47	23♍15	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	23s 6	8n36	5s 6	20s14	2n52	13s10	0s38	20s 1	1s 9	15s44	1n 2	18s16	1n54	14n22	0s24	10n39	0n48	6s24	16s59	21s10	20s53	13s24	1s42	4s34
T 2	23 1	3 23	5 10	20 22	2 45	12 45	0 32	19 49	1 9	15 47	1 2	18 17	1 54	14 22	0 24	10 39	0 48	6 24	16 59	21 9	20 53	13 22	1 42	4 34
F 3	22 55	1s54	4 55	20 32	2 37	12 20	0 25	19 37	1 9	15 49	1 2	18 18	1 54	14 21	0 24	10 39	0 48	6 23	16 58	21 8	20 52	13 19	1 43	4 34
S 4	22 49	6 57	4 23	20 42	2 29	11 55	0 18	19 24	1 9	15 52	1 2	18 20	1 54	14 21	0 23	10 40	0 48	6 23	16 58	21 8	20 52	13 17	1 43	4 34
S 5	22 43	11 30	3 36	20 53	2 20	11 30	0 10	19 12	1 8	15 55	1 2	18 21	1 54	14 21	0 23	10 40	0 48	6 23	16 58	21 8	20 51	13 15	1 43	4 35
M 6	22 36	15 23	2 39	21 4	2 11	11 5	0 3	18 59	1 8	15 57	1 2	18 22	1 54	14 21	0 23	10 40	0 48	6 22	16 57	21 8	20 50	13 13	1 44	4 35
T 7	22 29	18 26	1 36	21 16	2 2	10 40	0n 5	18 46	1 8	16 0	1 2	18 23	1 54	14 21	0 23	10 41	0 48	6 22	16 57	21 8	20 50	13 11	1 44	4 35
W 8	22 21	20 32	0 29	21 28	1 53	10 14	0 13	18 33	1 8	16 3	1 3	18 24	1 54	14 21	0 23	10 41	0 48	6 22	16 56	21 9	20 49	13 9	1 44	4 35
T 9	22 13	21 37	0n37	21 40	1 43	9 49	0 21	18 19	1 7	16 5	1 3	18 25	1 54	14 20	0 23	10 42	0 48	6 21	16 56	21 9	20 49	13 7	1 44	4 36
F 10	22 5	21 40	1 42	21 51	1 34	9 24	0 29	18 6	1 7	16 8	1 3	18 26	1 54	14 20	0 23	10 42	0 48	6 21	16 56	21 8	20 48	13 5	1 45	4 36
S 11	21 56	20 41	2 40	22 2	1 25	8 59	0 37	17 52	1 7	16 10	1 3	18 27	1 55	14 20	0 23	10 42	0 48	6 21	16 55	21 7	20 47	13 3	1 45	4 36
S 12	21 46	18 47	3 31	22 13	1 15	8 33	0 46	17 38	1 7	16 12	1 3	18 28	1 55	14 20	0 23	10 43	0 48	6 20	16 55	21 6	20 47	13 1	1 45	4 36
M13	21 36	16 6	4 13	22 23	1 6	8 8	0 55	17 24	1 6	16 15	1 3	18 29	1 55	14 20	0 23	10 43	0 48	6 20	16 55	21 5	20 46	12 58	1 45	4 37
T 14	21 26	12 46	4 43	22 33	0 57	7 44	1 4	17 9	1 6	16 17	1 3	18 30	1 55	14 20	0 23	10 44	0 48	6 20	16 54	21 3	20 45	12 56	1 45	4 37
W15	21 16	8 57	5 1	22 42	0 47	7 19	1 13	16 55	1 6	16 19	1 3	18 31	1 55	14 20	0 23	10 44	0 48	6 19	16 54	21 1	20 45	12 54	1 45	4 37
T 16	21 5	4 47	5 6	22 50	0 38	6 54	1 23	16 40	1 6	16 22	1 3	18 32	1 55	14 20	0 23	10 45	0 48	6 19	16 54	20 59	20 44	12 52	1 44	4 37
F 17	20 53	0 26	4 57	22 57	0 29	6 30	1 33	16 25	1 5	16 24	1 4	18 33	1 55	14 20	0 23	10 45	0 48	6 18	16 53	20 57	20 44	12 50	1 44	4 38
S 18	20 41	3n59	4 36	23 3	0 21	6 6	1 43	16 10	1 5	16 26	1 4	18 34	1 55	14 20	0 23	10 46	0 48	6 18	16 53	20 56	20 43	12 48	1 44	4 38
S 19	20 29	8 18	4 2	23 9	0 12	5 42	1 53	15 55	1 5	16 28	1 4	18 35	1 55	14 20	0 23	10 46	0 48	6 18	16 52	20 55	20 42	12 46	1 44	4 38
M20	20 16	12 22	3 16	23 13	0 4	5 18	2 3	15 39	1 4	16 30	1 4	18 36	1 55	14 20	0 23	10 47	0 48	6 17	16 52	20 55	20 42	12 44	1 43	4 38
T 21	20 3	15 59	2 19	23 16	0s 5	4 54	2 14	15 24	1 4	16 32	1 4	18 36	1 56	14 20	0 23	10 47	0 48	6 17	16 52	20 55	20 41	12 42	1 43	4 38
W22	19 50	18 55	1 13	23 18	0 13	4 31	2 25	15 8	1 4	16 34	1 4	18 37	1 56	14 20	0 23	10 48	0 48	6 16	16 51	20 55	20 40	12 39	1 42	4 39
T 23	19 36	20 55	0 1	23 19	0 20	4 9	2 36	14 52	1 3	16 36	1 4	18 38	1 56	14 20	0 23	10 48	0 48	6 16	16 51	20 55	20 40	12 37	1 42	4 39
F 24	19 22	21 41	1s14	23 19	0 28	3 46	2 47	14 36	1 3	16 38	1 4	18 39	1 56	14 21	0 23	10 49	0 48	6 15	16 51	20 55	20 39	12 35	1 41	4 39
S 25	19 8	21 2	2 26	23 18	0 35	3 24	2 58	14 20	1 3	16 40	1 4	18 40	1 56	14 21	0 23	10 49	0 48	6 15	16 50	20 55	20 39	12 33	1 41	4 39
S 26	18 53	18 55	3 30	23 16	0 42	3 3	3 10	14 4	1 2	16 42	1 5	18 40	1 56	14 21	0 23	10 50	0 48	6 14	16 50	20 53	20 38	12 31	1 40	4 39
M27	18 38	15 27	4 20	23 12	0 49	2 42	3 21	13 48	1 2	16 44	1 5	18 41	1 56	14 21	0 23	10 50	0 48	6 14	16 50	20 52	20 37	12 29	1 39	4 39
T 28	18 22	10 55	4 52	23 7	0 56	2 21	3 33	13 31	1 2	16 45	1 5	18 42	1 56	14 21	0 23	10 51	0 48	6 14	16 49	20 50	20 37	12 27	1 38	4 39
W29	18 7	5 43	5 3	23 0	1 2	2 1	3 45	13 14	1 1	16 47	1 5	18 42	1 57	14 21	0 23	10 51	0 48	6 13	16 49	20 48	20 36	12 25	1 38	4 40
T 30	17 50	0 16	4 53	22 53	1 9	1 42	3 58	12 58	1 1	16 49	1 5	18 43	1 57	14 22	0 23	10 52	0 48	6 13	16 49	20 46	20 35	12 22	1 37	4 40
F 31	17s34	5s 4	4s23	22s44	1s15	1s23	4n10	12s41	1s 1	16s50	1n 5	18s44	1n57	14n22	0s23	10n53	0n48	6s12	16s48	20s45	20s35	12s20	1s36	4s40

Julian Day Number = 2306543.5, Delta T = 84.92 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'59, Lahiri = 18°18'59Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

FEBRUARY 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 43	11♒47'51	16♎45	24♑36	17♓ 4	0♓ 7	20♏31	2♐14	9♑38	3°R48	24♈19	2°R38	1♐49	12♒54	23°R12	S 1
S 2	8 46 40	12°48'37	0♏24	26° 8	17°19	0°54	20°37	2°18	9°38	3♍47	24°20	2♐36	1°46	13° 1	23♍10	S 2
M 3	8 50 36	13°49'23	13°35	27°40	17°31	1°41	20°43	2°21	9°39	3°45	24°21	2°D35	1°43	13° 8	23° 7	M 3
T 4	8 54 33	14°50'07	26°22	29°13	17°42	2°29	20°49	2°25	9°40	3°44	24°21	2°R35	1°39	13°14	23° 4	T 4
W 5	8 58 29	15°50'51	8♐49	0♒47	17°50	3°16	20°55	2°28	9°41	3°42	24°22	2°35	1°36	13°21	23° 1	W 5
T 6	9 2 26	16°51'33	21° 2	2°21	17°56	4° 3	21° 0	2°32	9°42	3°40	24°22	2°34	1°33	13°28	22°58	T 6
F 7	9 6 23	17°52'14	3♑ 4	3°57	17°59	4°50	21° 6	2°35	9°43	3°39	24°23	2°30	1°30	13°34	22°54	F 7
S 8	9 10 19	18°52'54	14°59	5°33	18°R 0	5°37	21°11	2°39	9°44	3°37	24°24	2°23	1°27	13°41	22°51	S 8
S 9	9 14 16	19°53'33	26°51	7°10	17°59	6°25	21°16	2°42	9°45	3°36	24°24	2°13	1°24	13°48	22°48	S 9
M10	9 18 12	20°54'10	8♒42	8°48	17°55	7°12	21°21	2°45	9°46	3°34	24°25	2° 1	1°20	13°55	22°44	M10
T 11	9 22 9	21°54'45	20°34	10°27	17°49	7°59	21°26	2°48	9°48	3°32	24°26	1°46	1°17	14° 1	22°40	T 11
W12	9 26 5	22°55'20	2♓27	12° 7	17°40	8°46	21°30	2°51	9°49	3°31	24°26	1°31	1°14	14° 8	22°37	W12
T 13	9 30 2	23°55'52	14°24	13°47	17°28	9°33	21°35	2°54	9°50	3°29	24°27	1°17	1°11	14°15	22°33	T 13
F 14	9 33 58	24°56'23	26°26	15°29	17°15	10°20	21°39	2°56	9°52	3°28	24°28	1° 4	1° 8	14°21	22°29	F 14
S 15	9 37 55	25°56'52	8♈34	17°11	16°58	11° 7	21°43	2°59	9°53	3°26	24°29	0°54	1° 4	14°28	22°25	S 15
S 16	9 41 52	26°57'19	20°50	18°55	16°39	11°54	21°47	3° 2	9°55	3°24	24°30	0°47	1° 1	14°35	22°21	S 16
M17	9 45 48	27°57'44	3♉18	20°39	16°18	12°41	21°51	3° 4	9°56	3°23	24°30	0°43	0°58	14°42	22°17	M17
T 18	9 49 45	28°58'08	16° 2	22°25	15°55	13°28	21°54	3° 6	9°58	3°21	24°31	0°41	0°55	14°48	22°13	T 18
W19	9 53 41	29°58'29	29° 4	24°11	15°29	14°15	21°58	3° 9	9°59	3°19	24°32	0°41	0°52	14°55	22° 9	W19
T 20	9 57 38	0♓58'49	12♊30	25°58	15° 1	15° 2	22° 1	3°11	10° 1	3°18	24°33	0°41	0°49	15° 2	22° 5	T 20
F 21	10 1 34	1°59'07	26°21	27°46	14°32	15°49	22° 4	3°13	10° 3	3°16	24°34	0°39	0°45	15° 8	22° 1	F 21
S 22	10 5 31	2°59'22	10♋39	29°36	14° 0	16°36	22° 7	3°15	10° 4	3°14	24°35	0°36	0°42	15°15	21°56	S 22
S 23	10 9 27	3°59'36	25°23	1♓26	13°27	17°23	22°10	3°17	10° 6	3°13	24°36	0°30	0°39	15°22	21°52	S 23
M24	10 13 24	4°59'47	10♌27	3°17	12°53	18° 9	22°12	3°19	10° 8	3°11	24°37	0°21	0°36	15°29	21°48	M24
T 25	10 17 21	5°59'56	25°43	5° 9	12°17	18°56	22°14	3°20	10°10	3° 9	24°38	0°10	0°33	15°35	21°43	T 25
W26	10 21 17	7° 0'04	10♍59	7° 3	11°41	19°43	22°17	3°22	10°12	3° 7	24°39	29♏58	0°30	15°42	21°39	W26
T 27	10 25 14	8° 0'10	26° 6	8°57	11° 3	20°30	22°19	3°23	10°14	3° 6	24°40	29°48	0°26	15°49	21°34	T 27
F 28	10 29 10	9♓ 0'13	10♎51	10♓51	10♓26	21♓16	22♏20	3♐25	10♑16	3♍ 4	24♈41	29♏39	0♐23	15♒55	21♍29	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s17	9s57	3s38	22s34	1s20	1s 5	4n22	12s24	1s 0	16s52	1n 5	18s44	1n57	14n22	0s23	10n53	0n48	6s12	16s48	20s44	20s34	12s18	1s35	4s40
S 2	17 0	14 10	2 42	22 22	1 25	0 48	4 35	12 7	1 0	16 53	1 6	18 45	1 57	14 22	0 23	10 54	0 48	6 11	16 47	20 43	20 33	12 16	1 34	4 40
M 3	16 43	17 32	1 39	22 9	1 31	0 31	4 48	11 49	0 59	16 55	1 6	18 46	1 57	14 23	0 23	10 54	0 48	6 11	16 47	20 43	20 33	12 14	1 33	4 40
T 4	16 25	19 55	0 33	21 55	1 35	0 16	5 1	11 32	0 59	16 56	1 6	18 46	1 57	14 23	0 23	10 55	0 49	6 10	16 47	20 43	20 32	12 12	1 32	4 40
W 5	16 7	21 16	0n33	21 39	1 40	0 1	5 13	11 14	0 59	16 58	1 6	18 47	1 57	14 23	0 23	10 55	0 49	6 9	16 46	20 43	20 32	12 10	1 31	4 40
T 6	15 49	21 35	1 36	21 22	1 44	0n13	5 26	10 57	0 58	16 59	1 6	18 47	1 58	14 24	0 23	10 56	0 49	6 9	16 46	20 43	20 31	12 7	1 29	4 40
F 7	15 30	20 53	2 34	21 3	1 48	0 27	5 39	10 39	0 58	17 0	1 6	18 48	1 58	14 24	0 23	10 57	0 49	6 8	16 46	20 42	20 30	12 5	1 28	4 40
S 8	15 12	19 16	3 24	20 43	1 51	0 39	5 52	10 21	0 57	17 2	1 6	18 48	1 58	14 24	0 23	10 57	0 49	6 8	16 45	20 41	20 30	12 3	1 27	4 41
S 9	14 53	16 49	4 5	20 22	1 54	0 50	6 4	10 4	0 57	17 3	1 6	18 49	1 58	14 25	0 22	10 58	0 49	6 7	16 45	20 39	20 29	12 1	1 26	4 41
M10	14 33	13 41	4 36	19 59	1 57	1 0	6 17	9 46	0 57	17 4	1 7	18 49	1 58	14 25	0 22	10 58	0 49	6 7	16 45	20 36	20 28	11 59	1 24	4 41
T 11	14 14	10 1	4 54	19 35	2 0	1 9	6 29	9 28	0 56	17 5	1 7	18 50	1 58	14 26	0 22	10 59	0 49	6 6	16 44	20 34	20 28	11 57	1 23	4 41
W12	13 54	5 58	4 59	19 9	2 2	1 17	6 42	9 10	0 56	17 6	1 7	18 50	1 58	14 26	0 22	11 0	0 49	6 6	16 44	20 31	20 27	11 55	1 22	4 41
T 13	13 34	1 40	4 52	18 42	2 3	1 23	6 54	8 51	0 55	17 7	1 7	18 51	1 59	14 26	0 22	11 0	0 49	6 5	16 44	20 28	20 26	11 52	1 20	4 41
F 14	13 14	2n44	4 31	18 13	2 5	1 29	7 5	8 33	0 55	17 8	1 7	18 51	1 59	14 27	0 22	11 1	0 49	6 5	16 44	20 25	20 26	11 50	1 19	4 41
S 15	12 54	7 3	3 58	17 43	2 6	1 33	7 17	8 15	0 54	17 9	1 7	18 51	1 59	14 27	0 22	11 2	0 49	6 4	16 43	20 23	20 25	11 48	1 17	4 41
S 16	12 33	11 8	3 14	17 11	2 6	1 36	7 28	7 56	0 54	17 10	1 7	18 52	1 59	14 28	0 22	11 2	0 49	6 3	16 43	20 21	20 24	11 46	1 15	4 41
M17	12 12	14 49	2 19	16 38	2 6	1 37	7 38	7 38	0 53	17 11	1 8	18 52	1 59	14 28	0 22	11 3	0 49	6 3	16 43	20 21	20 24	11 44	1 14	4 41
T 18	11 51	17 54	1 17	16 3	2 6	1 37	7 48	7 20	0 53	17 11	1 8	18 52	1 59	14 29	0 22	11 3	0 49	6 2	16 42	20 20	20 23	11 42	1 12	4 41
W19	11 30	20 8	0 9	15 27	2 5	1 36	7 57	7 1	0 52	17 12	1 8	18 52	2 0	14 29	0 22	11 4	0 49	6 2	16 42	20 20	20 22	11 40	1 10	4 40
T 20	11 9	21 19	1s 2	14 50	2 4	1 34	8 6	6 42	0 52	17 13	1 8	18 53	2 0	14 30	0 22	11 5	0 49	6 1	16 42	20 20	20 22	11 37	1 9	4 40
F 21	10 47	21 15	2 11	14 11	2 2	1 30	8 14	6 24	0 52	17 14	1 8	18 53	2 0	14 31	0 22	11 5	0 49	6 1	16 41	20 20	20 21	11 35	1 7	4 40
S 22	10 26	19 50	3 14	13 31	2 0	1 25	8 21	6 5	0 51	17 14	1 8	18 53	2 0	14 31	0 22	11 6	0 49	6 0	16 41	20 19	20 20	11 33	1 5	4 40
S 23	10 4	17 4	4 6	12 49	1 57	1 18	8 28	5 46	0 51	17 15	1 8	18 53	2 0	14 32	0 22	11 6	0 49	5 59	16 41	20 18	20 20	11 31	1 3	4 40
M24	9 42	13 7	4 43	12 6	1 54	1 10	8 34	5 28	0 50	17 15	1 9	18 54	2 0	14 32	0 22	11 7	0 49	5 59	16 41	20 16	20 19	11 29	1 2	4 40
T 25	9 20	8 17	4 59	11 21	1 50	1 1	8 38	5 9	0 50	17 16	1 9	18 54	2 0	14 33	0 22	11 8	0 49	5 58	16 40	20 14	20 18	11 27	1 0	4 40
W26	8 58	2 55	4 55	10 35	1 46	0 51	8 42	4 50	0 49	17 16	1 9	18 54	2 1	14 34	0 22	11 8	0 49	5 58	16 40	20 11	20 18	11 24	0 58	4 40
T 27	8 35	2s34	4 30	9 48	1 41	0 40	8 45	4 31	0 49	17 16	1 9	18 54	2 1	14 34	0 22	11 9	0 49	5 57	16 40	20 9	20 17	11 22	0 56	4 40
F 28	8s13	7s47	3s47	8s59	1s36	0n28	8n47	4s12	0s48	17s17	1n 9	18s54	2n 1	14n35	0s22	11n10	0n49	5s56	16s40	20s 7	20s16	11s20	0s54	4s39

Julian Day Number = 2306574.5, Delta T = 84.82 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'03, Lahiri = 18°19'03Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

MARCH 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 33 7	10♓ 0'16	25♎10	12♓47	9°R48	22♓ 3	22♏22	3♐26	10♉18	3°R 2	24♈42	29°R32	0♐20	16♒ 2	21°R25	S 1
S 2	10 37 3	11° 0'16	8♏59	14°43	9♓10	22°49	22°23	3°27	10°20	3♍ 1	24°43	29♏29	0°17	16° 9	21♍20	S 2
M 3	10 41 0	12° 0'15	22°18	16°40	8°33	23°36	22°25	3°28	10°22	2°59	24°44	29°27	0°14	16°16	21°15	M 3
T 4	10 44 56	13° 0'12	5♐11	18°37	7°56	24°23	22°26	3°29	10°24	2°58	24°45	29°D27	0°10	16°22	21°11	T 4
W 5	10 48 53	14° 0'08	17°41	20°35	7°20	25° 9	22°26	3°30	10°27	2°56	24°46	29°R27	0° 7	16°29	21° 6	W 5
T 6	10 52 49	15° 0'02	29°53	22°32	6°46	25°56	22°27	3°31	10°29	2°54	24°47	29°26	0° 4	16°36	21° 1	T 6
F 7	10 56 46	15°59'55	11♑54	24°30	6°12	26°42	22°28	3°32	10°31	2°53	24°48	29°23	0° 1	16°42	20°56	F 7
S 8	11 0 43	16°59'45	23°47	26°27	5°40	27°28	22°28	3°32	10°34	2°51	24°49	29°18	29♏58	16°49	20°52	S 8
S 9	11 4 39	17°59'34	5♒37	28°23	5°10	28°15	22°R28	3°33	10°36	2°49	24°50	29° 9	29°55	16°56	20°47	S 9
M10	11 8 36	18°59'21	17°28	0♈19	4°41	29° 1	22°28	3°33	10°38	2°48	24°52	28°59	29°51	17° 3	20°42	M10
T 11	11 12 32	19°59'06	29°21	2°13	4°15	29°47	22°28	3°33	10°41	2°46	24°53	28°46	29°48	17° 9	20°37	T 11
W12	11 16 29	20°58'49	11♓19	4° 5	3°51	0♈34	22°27	3°34	10°43	2°45	24°54	28°33	29°45	17°16	20°32	W12
T 13	11 20 25	21°58'30	23°24	5°55	3°28	1°20	22°26	3°R34	10°46	2°43	24°55	28°20	29°42	17°23	20°28	T 13
F 14	11 24 22	22°58'09	5♈36	7°42	3° 9	2° 6	22°26	3°34	10°48	2°41	24°56	28° 9	29°39	17°30	20°23	F 14
S 15	11 28 18	23°57'46	17°55	9°26	2°51	2°52	22°25	3°34	10°51	2°40	24°57	28° 0	29°35	17°36	20°18	S 15
S 16	11 32 15	24°57'21	0♉24	11° 7	2°36	3°38	22°23	3°33	10°54	2°38	24°59	27°54	29°32	17°43	20°13	S 16
M17	11 36 12	25°56'54	13° 4	12°44	2°23	4°24	22°22	3°33	10°56	2°37	25° 0	27°50	29°29	17°50	20° 8	M17
T 18	11 40 8	26°56'24	25°57	14°16	2°13	5°10	22°20	3°33	10°59	2°35	25° 1	27°D49	29°26	17°56	20° 4	T 18
W19	11 44 5	27°55'53	9♊ 4	15°43	2° 5	5°56	22°19	3°32	11° 2	2°34	25° 2	27°50	29°23	18° 3	19°59	W19
T 20	11 48 1	28°55'19	22°29	17° 5	2° 0	6°42	22°17	3°31	11° 4	2°32	25° 4	27°R50	29°20	18°10	19°54	T 20
F 21	11 51 58	29°54'42	6♋14	18°21	1°57	7°28	22°14	3°31	11° 7	2°31	25° 5	27°50	29°16	18°17	19°49	F 21
S 22	11 55 54	0♈54'04	20°19	19°31	1°D57	8°14	22°12	3°30	11°10	2°30	25° 6	27°49	29°13	18°23	19°45	S 22
S 23	11 59 51	1°53'23	4♌45	20°35	1°59	9° 0	22°10	3°29	11°13	2°28	25° 7	27°45	29°10	18°30	19°40	S 23
M24	12 3 47	2°52'39	19°28	21°33	2° 3	9°45	22° 7	3°28	11°16	2°27	25° 9	27°39	29° 7	18°37	19°35	M24
T 25	12 7 44	3°51'53	4♍23	22°23	2° 9	10°31	22° 4	3°27	11°19	2°25	25°10	27°31	29° 4	18°43	19°31	T 25
W26	12 11 41	4°51'05	19°20	23° 7	2°18	11°17	22° 1	3°26	11°22	2°24	25°11	27°23	29° 1	18°50	19°26	W26
T 27	12 15 37	5°50'15	4♎12	23°44	2°29	12° 2	21°58	3°24	11°25	2°23	25°13	27°15	28°57	18°57	19°22	T 27
F 28	12 19 34	6°49'22	18°50	24°13	2°42	12°48	21°54	3°23	11°28	2°21	25°14	27° 8	28°54	19° 4	19°17	F 28
S 29	12 23 30	7°48'28	3♏ 6	24°36	2°57	13°33	21°51	3°21	11°31	2°20	25°15	27° 4	28°51	19°10	19°13	S 29
S 30	12 27 27	8°47'32	16°56	24°51	3°14	14°19	21°47	3°20	11°34	2°19	25°17	27° 2	28°48	19°17	19° 9	S 30
M31	12 31 23	9♈46'34	0♐20	24♈59	3♓33	15♈ 4	21♏43	3♐18	11♉37	2♍17	25♈18	27°D 1	28♏45	19♒24	19♍ 4	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	7s50	12s24	2s51	8s 9	1s30	0n15	8n48	3s53	0s47	17s17	1n 9	18s54	2n 1	14n36	0s22	11n10	0n49	5s56	16s39	20s 6	20s16	11s18	0s52	4s39
S 2	7 27	16 12	1 46	7 18	1 23	0 1	8 48	3 34	0 47	17 17	1 9	18 54	2 1	14 36	0 22	11 11	0 49	5 55	16 39	20 5	20 15	11 16	0 50	4 39
M 3	7 4	19 0	0 38	6 26	1 16	0s14	8 47	3 15	0 46	17 17	1 10	18 54	2 1	14 37	0 22	11 11	0 49	5 55	16 39	20 5	20 14	11 14	0 48	4 39
T 4	6 41	20 43	0n30	5 33	1 8	0 29	8 45	2 56	0 46	17 17	1 10	18 54	2 2	14 38	0 22	11 12	0 49	5 54	16 39	20 5	20 14	11 11	0 46	4 39
W 5	6 18	21 20	1 35	4 39	1 0	0 45	8 42	2 37	0 45	17 18	1 10	18 54	2 2	14 38	0 22	11 13	0 49	5 53	16 38	20 5	20 13	11 9	0 44	4 38
T 6	5 55	20 56	2 34	3 45	0 51	1 2	8 38	2 19	0 45	17 18	1 10	18 54	2 2	14 39	0 22	11 13	0 49	5 53	16 38	20 4	20 12	11 7	0 42	4 38
F 7	5 32	19 33	3 25	2 49	0 41	1 18	8 33	2 0	0 44	17 18	1 10	18 54	2 2	14 40	0 22	11 14	0 49	5 52	16 38	20 4	20 12	11 5	0 40	4 38
S 8	5 9	17 21	4 6	1 54	0 31	1 35	8 27	1 41	0 44	17 18	1 10	18 54	2 2	14 41	0 22	11 14	0 49	5 52	16 38	20 3	20 11	11 3	0 37	4 38
S 9	4 45	14 26	4 37	0 58	0 21	1 52	8 21	1 22	0 43	17 17	1 10	18 54	2 2	14 41	0 22	11 15	0 49	5 51	16 37	20 1	20 10	11 1	0 35	4 37
M10	4 22	10 56	4 55	0 1	0 10	2 9	8 14	1 3	0 43	17 17	1 11	18 54	2 2	14 42	0 22	11 16	0 49	5 50	16 37	19 58	20 10	10 58	0 33	4 37
T 11	3 58	7 1	5 1	0n54	0n 2	2 25	8 6	0 44	0 42	17 17	1 11	18 54	2 3	14 43	0 22	11 16	0 49	5 50	16 37	19 56	20 9	10 56	0 31	4 37
W12	3 35	2 48	4 54	1 50	0 13	2 42	7 57	0 25	0 42	17 17	1 11	18 54	2 3	14 44	0 22	11 17	0 49	5 49	16 37	19 53	20 8	10 54	0 29	4 37
T 13	3 11	1n34	4 34	2 45	0 26	2 58	7 48	0 6	0 41	17 17	1 11	18 54	2 3	14 44	0 22	11 17	0 49	5 49	16 37	19 50	20 8	10 52	0 27	4 36
F 14	2 48	5 54	4 0	3 39	0 38	3 14	7 39	0n13	0 40	17 16	1 11	18 54	2 3	14 45	0 22	11 18	0 49	5 48	16 36	19 47	20 7	10 50	0 25	4 36
S 15	2 24	10 3	3 16	4 31	0 51	3 30	7 29	0 32	0 40	17 16	1 11	18 54	2 3	14 46	0 22	11 18	0 49	5 47	16 36	19 45	20 6	10 47	0 22	4 36
S 16	2 0	13 50	2 21	5 23	1 3	3 45	7 18	0 51	0 39	17 15	1 11	18 53	2 3	14 47	0 22	11 19	0 49	5 47	16 36	19 44	20 6	10 45	0 20	4 35
M17	1 37	17 2	1 18	6 12	1 16	3 59	7 7	1 10	0 39	17 15	1 12	18 53	2 4	14 48	0 22	11 19	0 49	5 46	16 36	19 43	20 5	10 43	0 18	4 35
T 18	1 13	19 27	0 10	6 59	1 28	4 13	6 56	1 29	0 38	17 14	1 12	18 53	2 4	14 49	0 22	11 20	0 49	5 46	16 36	19 43	20 4	10 41	0 16	4 34
W19	0 49	20 52	1s 0	7 45	1 41	4 27	6 45	1 47	0 38	17 14	1 12	18 53	2 4	14 50	0 22	11 21	0 49	5 45	16 35	19 43	20 4	10 39	0 13	4 34
T 20	0 26	21 9	2 8	8 27	1 53	4 39	6 33	2 6	0 37	17 13	1 12	18 52	2 4	14 50	0 22	11 21	0 49	5 44	16 35	19 43	20 3	10 37	0 11	4 34
F 21	0 2	20 10	3 10	9 7	2 4	4 51	6 22	2 25	0 36	17 12	1 12	18 52	2 4	14 51	0 22	11 22	0 49	5 44	16 35	19 43	20 2	10 34	0 9	4 33
S 22	0n22	17 57	4 3	9 44	2 15	5 3	6 10	2 43	0 36	17 12	1 12	18 52	2 4	14 52	0 21	11 22	0 49	5 43	16 35	19 43	20 2	10 32	0 7	4 33
S 23	0 45	14 33	4 42	10 18	2 26	5 13	5 58	3 2	0 35	17 11	1 12	18 52	2 4	14 53	0 21	11 23	0 49	5 43	16 35	19 42	20 1	10 30	0 5	4 32
M24	1 9	10 13	5 3	10 49	2 35	5 23	5 46	3 21	0 35	17 10	1 12	18 51	2 5	14 54	0 21	11 23	0 49	5 42	16 35	19 41	20 0	10 28	0 2	4 32
T 25	1 32	5 13	5 3	11 16	2 44	5 32	5 34	3 39	0 34	17 9	1 13	18 51	2 5	14 55	0 21	11 24	0 49	5 41	16 35	19 39	19 59	10 26	0 0	4 32
W26	1 56	0s 7	4 44	11 40	2 52	5 40	5 22	3 57	0 33	17 8	1 13	18 51	2 5	14 56	0 21	11 24	0 49	5 41	16 34	19 37	19 59	10 23	0n 2	4 31
T 27	2 19	5 25	4 5	12 0	2 59	5 48	5 9	4 16	0 33	17 8	1 13	18 50	2 5	14 57	0 21	11 25	0 49	5 40	16 34	19 35	19 58	10 21	0 4	4 31
F 28	2 43	10 20	3 10	12 17	3 5	5 54	4 57	4 34	0 32	17 7	1 13	18 50	2 5	14 58	0 21	11 25	0 49	5 40	16 34	19 34	19 57	10 19	0 6	4 30
S 29	3 6	14 32	2 5	12 29	3 10	6 0	4 46	4 53	0 32	17 6	1 13	18 49	2 5	14 59	0 21	11 26	0 49	5 39	16 34	19 33	19 57	10 17	0 9	4 30
S 30	3 30	17 48	0 54	12 38	3 13	6 5	4 34	5 11	0 31	17 4	1 13	18 49	2 5	15 0	0 21	11 26	0 49	5 39	16 34	19 32	19 56	10 15	0 11	4 29
M31	3n53	19s58	0n18	12n43	3n15	6s 9	4n22	5n29	0s30	17s 3	1n13	18s48	2n 5	15n 1	0s21	11n26	0n49	5s38	16s34	19s32	19s55	10s12	0n13	4s29

Julian Day Number = 2306602.5, Delta T = 84.72 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'07, Lahiri = 18°19'07Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

APRIL 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 35 20	10♈45'34	13♐18	25°R 1	3♓54	15♈50	21°R39	3°R16	11♉40	2°R16	25♈19	27♏ 2	28♏41	19♒30	19°R 0	T 1
W 2	12 39 16	11°44'33	25°54	24♈55	4°17	16°35	21♏35	3♐15	11°43	2♍15	25°21	27° 3	28°38	19°37	18♍56	W 2
T 3	12 43 13	12°43'29	8♑11	24°43	4°41	17°20	21°31	3°13	11°46	2°14	25°22	27°R 4	28°35	19°44	18°52	T 3
F 4	12 47 10	13°42'24	20°14	24°26	5° 8	18° 6	21°26	3°11	11°49	2°13	25°23	27° 4	28°32	19°51	18°48	F 4
S 5	12 51 6	14°41'17	2♒10	24° 2	5°35	18°51	21°21	3° 9	11°52	2°11	25°25	27° 2	28°29	19°57	18°44	S 5
S 6	12 55 3	15°40'09	14° 1	23°34	6° 5	19°36	21°16	3° 6	11°55	2°10	25°26	26°59	28°26	20° 4	18°40	S 6
M 7	12 58 59	16°38'58	25°53	23° 1	6°35	20°21	21°11	3° 4	11°59	2° 9	25°27	26°54	28°22	20°11	18°36	M 7
T 8	13 2 56	17°37'46	7♓49	22°24	7° 8	21° 6	21° 6	3° 2	12° 2	2° 8	25°29	26°47	28°19	20°18	18°32	T 8
W 9	13 6 52	18°36'32	19°53	21°45	7°41	21°51	21° 1	2°59	12° 5	2° 7	25°30	26°40	28°16	20°24	18°28	W 9
T 10	13 10 49	19°35'16	2♈ 6	21° 3	8°16	22°36	20°55	2°57	12° 8	2° 6	25°32	26°33	28°13	20°31	18°24	T 10
F 11	13 14 45	20°33'58	14°29	20°20	8°53	23°21	20°50	2°54	12°12	2° 5	25°33	26°27	28°10	20°38	18°21	F 11
S 12	13 18 42	21°32'38	27° 4	19°36	9°30	24° 6	20°44	2°51	12°15	2° 4	25°34	26°22	28° 6	20°44	18°17	S 12
S 13	13 22 38	22°31'16	9♉51	18°53	10° 9	24°51	20°38	2°48	12°18	2° 3	25°36	26°20	28° 3	20°51	18°14	S 13
M14	13 26 35	23°29'53	22°51	18°11	10°48	25°35	20°32	2°46	12°22	2° 2	25°37	26°D18	28° 0	20°58	18°11	M14
T 15	13 30 32	24°28'27	6♊ 2	17°30	11°29	26°20	20°26	2°43	12°25	2° 1	25°39	26°19	27°57	21° 5	18° 7	T 15
W16	13 34 28	25°26'59	19°27	16°52	12°11	27° 5	20°20	2°40	12°28	2° 0	25°40	26°20	27°54	21°11	18° 4	W16
T 17	13 38 25	26°25'29	3♋ 4	16°17	12°54	27°49	20°14	2°37	12°32	2° 0	25°41	26°21	27°51	21°18	18° 1	T 17
F 18	13 42 21	27°23'57	16°54	15°46	13°38	28°34	20° 7	2°33	12°35	1°59	25°43	26°23	27°47	21°25	17°58	F 18
S 19	13 46 18	28°22'22	0♌57	15°18	14°22	29°19	20° 1	2°30	12°38	1°58	25°44	26°R23	27°44	21°31	17°55	S 19
S 20	13 50 14	29°20'46	15°11	14°55	15° 8	0♉ 3	19°54	2°27	12°42	1°57	25°45	26°22	27°41	21°38	17°52	S 20
M21	13 54 11	0♉19'07	29°35	14°36	15°54	0°47	19°47	2°24	12°45	1°57	25°47	26°20	27°38	21°45	17°50	M21
T 22	13 58 7	1°17'26	14♍ 5	14°22	16°42	1°32	19°41	2°20	12°49	1°56	25°48	26°17	27°35	21°52	17°47	T 22
W23	14 2 4	2°15'43	28°35	14°13	17°30	2°16	19°34	2°17	12°52	1°55	25°50	26°14	27°32	21°58	17°44	W23
T 24	14 6 1	3°13'58	13♎ 0	14°D 8	18°19	3° 0	19°27	2°13	12°56	1°55	25°51	26°11	27°28	22° 5	17°42	T 24
F 25	14 9 57	4°12'11	27°15	14° 9	19° 8	3°44	19°20	2° 9	12°59	1°54	25°52	26° 8	27°25	22°12	17°40	F 25
S 26	14 13 54	5°10'22	11♏14	14°14	19°58	4°29	19°12	2° 6	13° 2	1°53	25°54	26° 6	27°22	22°19	17°37	S 26
S 27	14 17 50	6° 8'32	24°53	14°25	20°49	5°13	19° 5	2° 2	13° 6	1°53	25°55	26°D 6	27°19	22°25	17°35	S 27
M28	14 21 47	7° 6'40	8♐12	14°40	21°41	5°57	18°58	1°58	13° 9	1°52	25°56	26° 6	27°16	22°32	17°33	M28
T 29	14 25 43	8° 4'46	21° 8	14°59	22°33	6°41	18°51	1°54	13°13	1°52	25°58	26° 7	27°12	22°39	17°31	T 29
W30	14 29 40	9♉ 2'51	3♑45	15♈23	23♓26	7♉25	18♏43	1♐51	13♉16	1♍51	25♈59	26♏ 9	27♏ 9	22♒45	17♍30	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	4n16	21s 0	1n27	12n44	3n16	6s13	4n10	5n47	0s30	17s 2	1n13	18s48	2n 6	15n 2	0s21	11n27	0n49	5s38	16s34	19s32	19s55	10s10	0n15	4s28
W 2	4 39	20 56	2 30	12 42	3 15	6 15	3 59	6 5	0 29	17 1	1 13	18 48	2 6	15 3	0 21	11 27	0 49	5 37	16 34	19 32	19 54	10 8	0 17	4 28
T 3	5 2	19 51	3 24	12 35	3 13	6 17	3 47	6 23	0 29	17 0	1 13	18 47	2 6	15 4	0 21	11 28	0 49	5 36	16 33	19 33	19 53	10 6	0 19	4 27
F 4	5 25	17 52	4 8	12 25	3 9	6 18	3 36	6 41	0 28	16 59	1 13	18 47	2 6	15 5	0 21	11 28	0 49	5 36	16 33	19 33	19 52	10 4	0 21	4 27
S 5	5 48	15 9	4 41	12 11	3 3	6 18	3 25	6 59	0 27	16 57	1 14	18 46	2 6	15 5	0 21	11 29	0 49	5 35	16 33	19 32	19 52	10 1	0 23	4 26
S 6	6 11	11 50	5 2	11 54	2 56	6 18	3 14	7 16	0 27	16 56	1 14	18 45	2 6	15 6	0 21	11 29	0 49	5 35	16 33	19 31	19 51	9 59	0 25	4 25
M 7	6 33	8 4	5 9	11 34	2 48	6 16	3 3	7 34	0 26	16 55	1 14	18 45	2 6	15 7	0 21	11 29	0 49	5 34	16 33	19 30	19 50	9 57	0 27	4 25
T 8	6 56	3 57	5 4	11 11	2 38	6 14	2 53	7 51	0 26	16 53	1 14	18 44	2 6	15 8	0 21	11 30	0 49	5 34	16 33	19 29	19 50	9 55	0 30	4 24
W 9	7 18	0n21	4 45	10 45	2 27	6 11	2 42	8 9	0 25	16 52	1 14	18 44	2 7	15 10	0 21	11 30	0 49	5 33	16 33	19 27	19 49	9 53	0 32	4 24
T 10	7 41	4 42	4 12	10 18	2 14	6 8	2 32	8 26	0 24	16 50	1 14	18 43	2 7	15 11	0 21	11 30	0 49	5 33	16 33	19 26	19 48	9 50	0 33	4 23
F 11	8 3	8 55	3 28	9 49	2 0	6 4	2 22	8 43	0 24	16 49	1 14	18 43	2 7	15 12	0 21	11 31	0 49	5 32	16 33	19 24	19 48	9 48	0 35	4 22
S 12	8 25	12 49	2 33	9 19	1 45	5 59	2 12	9 1	0 23	16 47	1 14	18 42	2 7	15 13	0 21	11 31	0 49	5 32	16 33	19 23	19 47	9 46	0 37	4 22
S 13	8 47	16 12	1 29	8 48	1 30	5 53	2 3	9 18	0 22	16 46	1 14	18 41	2 7	15 14	0 21	11 31	0 49	5 31	16 33	19 22	19 46	9 44	0 39	4 21
M14	9 9	18 50	0 19	8 17	1 14	5 47	1 53	9 35	0 22	16 44	1 14	18 41	2 7	15 15	0 21	11 32	0 49	5 31	16 33	19 22	19 45	9 42	0 41	4 21
T 15	9 30	20 29	0s53	7 46	0 57	5 40	1 44	9 51	0 21	16 42	1 14	18 40	2 7	15 16	0 21	11 32	0 49	5 30	16 33	19 22	19 45	9 39	0 43	4 20
W16	9 52	21 1	2 3	7 16	0 41	5 33	1 35	10 8	0 21	16 41	1 14	18 39	2 7	15 17	0 21	11 32	0 49	5 30	16 33	19 22	19 44	9 37	0 45	4 19
T 17	10 13	20 20	3 8	6 47	0 24	5 25	1 26	10 25	0 20	16 39	1 14	18 39	2 7	15 18	0 21	11 33	0 49	5 29	16 33	19 23	19 43	9 35	0 47	4 19
F 18	10 34	18 25	4 2	6 19	0 7	5 16	1 17	10 41	0 19	16 37	1 14	18 38	2 7	15 19	0 21	11 33	0 49	5 29	16 33	19 23	19 43	9 33	0 48	4 18
S 19	10 55	15 23	4 43	5 53	0s10	5 7	1 8	10 58	0 19	16 35	1 14	18 37	2 7	15 20	0 21	11 33	0 49	5 28	16 33	19 23	19 42	9 31	0 50	4 17
S 20	11 16	11 25	5 8	5 29	0 26	4 57	1 0	11 14	0 18	16 34	1 14	18 37	2 8	15 21	0 21	11 33	0 49	5 28	16 33	19 23	19 41	9 28	0 52	4 17
M21	11 36	6 45	5 13	5 8	0 42	4 46	0 52	11 30	0 17	16 32	1 14	18 36	2 8	15 22	0 21	11 34	0 49	5 27	16 33	19 22	19 40	9 26	0 54	4 16
T 22	11 57	1 41	4 59	4 48	0 57	4 35	0 44	11 46	0 17	16 30	1 14	18 35	2 8	15 23	0 21	11 34	0 49	5 27	16 33	19 22	19 40	9 24	0 55	4 15
W23	12 17	3s29	4 25	4 31	1 11	4 24	0 36	12 2	0 16	16 28	1 14	18 34	2 8	15 24	0 21	11 34	0 49	5 26	16 33	19 21	19 39	9 22	0 57	4 15
T 24	12 37	8 27	3 35	4 17	1 25	4 12	0 28	12 18	0 16	16 26	1 14	18 34	2 8	15 25	0 21	11 34	0 49	5 26	16 33	19 20	19 38	9 20	0 58	4 14
F 25	12 57	12 53	2 32	4 5	1 38	3 59	0 21	12 33	0 15	16 24	1 14	18 33	2 8	15 26	0 21	11 35	0 49	5 25	16 33	19 20	19 37	9 17	1 0	4 13
S 26	13 16	16 31	1 21	3 56	1 50	3 46	0 14	12 49	0 14	16 22	1 14	18 32	2 8	15 27	0 21	11 35	0 49	5 25	16 33	19 19	19 37	9 15	1 1	4 13
S 27	13 36	19 8	0 7	3 49	2 2	3 33	0 6	13 4	0 14	16 20	1 14	18 31	2 8	15 28	0 21	11 35	0 49	5 24	16 33	19 19	19 36	9 13	1 3	4 12
M28	13 55	20 38	1n 6	3 45	2 12	3 19	0s 0	13 20	0 13	16 18	1 14	18 30	2 8	15 29	0 21	11 35	0 49	5 24	16 33	19 19	19 35	9 11	1 4	4 11
T 29	14 14	20 58	2 14	3 44	2 22	3 4	0 7	13 35	0 12	16 16	1 14	18 30	2 8	15 30	0 21	11 35	0 49	5 24	16 33	19 19	19 35	9 9	1 6	4 10
W30	14n33	20s13	3n13	3n45	2s31	2s49	0s14	13n50	0s12	16s14	1n14	18s29	2n 8	15n31	0s21	11n35	0n49	5s23	16s33	19s20	19s34	9s 6	1n 7	4s10

Julian Day Number = 2306633.5, Delta T = 84.61 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'11, Lahiri = 18°19'11Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

MAY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 33 36	10♉ 0'55	16♋ 5	15♈51	24♓19	8♉ 8	18°R36	1°R47	13♉20	1°R51	26♈ 1	26♏10	27♏ 6	22♒52	17°R28	T 1
F 2	14 37 33	10°58'57	28°12	16°23	25°13	8°52	18♏28	1♐43	13°23	1♍51	26° 2	26°11	27° 3	22°59	17♍26	F 2
S 3	14 41 30	11°56'58	10♒10	17° 0	26° 8	9°36	18°21	1°39	13°27	1°50	26° 3	26°R11	27° 0	23° 6	17°25	S 3
S 4	14 45 26	12°54'57	22° 3	17°40	27° 3	10°20	18°13	1°35	13°30	1°50	26° 5	26°11	26°57	23°12	17°23	S 4
M 5	14 49 23	13°52'55	3♓57	18°24	27°58	11° 4	18° 6	1°31	13°34	1°50	26° 6	26°10	26°53	23°19	17°22	M 5
T 6	14 53 19	14°50'52	15°56	19°11	28°54	11°47	17°58	1°26	13°37	1°49	26° 7	26° 9	26°50	23°26	17°21	T 6
W 7	14 57 16	15°48'47	28° 3	20° 2	29°51	12°31	17°50	1°22	13°41	1°49	26° 9	26° 8	26°47	23°33	17°20	W 7
T 8	15 1 12	16°46'41	10♈22	20°56	0♈48	13°14	17°43	1°18	13°44	1°49	26°10	26° 6	26°44	23°39	17°19	T 8
F 9	15 5 9	17°44'33	22°55	21°54	1°45	13°58	17°35	1°14	13°48	1°49	26°11	26° 5	26°41	23°46	17°18	F 9
S 10	15 9 5	18°42'25	5♉45	22°54	2°43	14°41	17°27	1°10	13°51	1°49	26°12	26° 5	26°38	23°53	17°18	S 10
S 11	15 13 2	19°40'14	18°51	23°58	3°41	15°25	17°20	1° 5	13°55	1°49	26°14	26° 4	26°34	23°59	17°17	S 11
M12	15 16 59	20°38'03	2♊13	25° 4	4°40	16° 8	17°12	1° 1	13°58	1°49	26°15	26°D 4	26°31	24° 6	17°16	M12
T 13	15 20 55	21°35'50	15°49	26°13	5°39	16°51	17° 4	0°57	14° 1	1°D49	26°16	26° 4	26°28	24°13	17°16	T 13
W14	15 24 52	22°33'36	29°39	27°25	6°38	17°34	16°57	0°52	14° 5	1°49	26°18	26° 5	26°25	24°20	17°16	W14
T 15	15 28 48	23°31'20	13♋39	28°40	7°38	18°17	16°49	0°48	14° 8	1°49	26°19	26° 5	26°22	24°26	17°16	T 15
F 16	15 32 45	24°29'02	27°46	29°57	8°38	19° 1	16°42	0°43	14°12	1°49	26°20	26° 5	26°18	24°33	17°D16	F 16
S 17	15 36 41	25°26'43	11♌58	1♉17	9°38	19°44	16°34	0°39	14°15	1°49	26°21	26° 5	26°15	24°40	17°16	S 17
S 18	15 40 38	26°24'22	26°12	2°39	10°38	20°27	16°27	0°35	14°19	1°49	26°23	26° 5	26°12	24°46	17°16	S 18
M19	15 44 34	27°22'00	10♍26	4° 4	11°39	21°10	16°19	0°30	14°22	1°49	26°24	26° 5	26° 9	24°53	17°16	M19
T 20	15 48 31	28°19'35	24°37	5°31	12°40	21°52	16°12	0°26	14°26	1°49	26°25	26° 5	26° 6	25° 0	17°17	T 20
W21	15 52 28	29°17'10	8♎42	7° 1	13°42	22°35	16° 5	0°21	14°29	1°50	26°26	26° 6	26° 3	25° 7	17°17	W21
T 22	15 56 24	0♊14'43	22°39	8°34	14°44	23°18	15°57	0°17	14°32	1°50	26°27	26° 6	25°59	25°13	17°18	T 22
F 23	16 0 21	1°12'15	6♏26	10° 8	15°46	24° 1	15°50	0°12	14°36	1°50	26°29	26° 6	25°56	25°20	17°19	F 23
S 24	16 4 17	2° 9'45	20° 0	11°45	16°48	24°43	15°43	0° 8	14°39	1°50	26°30	26°R 7	25°53	25°27	17°20	S 24
S 25	16 8 14	3° 7'15	3♐19	13°25	17°51	25°26	15°36	0° 4	14°42	1°51	26°31	26° 7	25°50	25°34	17°21	S 25
M26	16 12 10	4° 4'43	16°22	15° 7	18°53	26° 9	15°29	29♏59	14°46	1°51	26°32	26° 6	25°47	25°40	17°22	M26
T 27	16 16 7	5° 2'10	29°10	16°51	19°56	26°51	15°22	29°55	14°49	1°52	26°33	26° 5	25°44	25°47	17°23	T 27
W28	16 20 3	5°59'37	11♑42	18°37	21° 0	27°34	15°16	29°50	14°52	1°52	26°34	26° 4	25°40	25°54	17°24	W28
T 29	16 24 0	6°57'03	24° 0	20°26	22° 3	28°16	15° 9	29°46	14°56	1°53	26°35	26° 3	25°37	26° 0	17°26	T 29
F 30	16 27 57	7°54'27	6♒ 6	22°18	23° 7	28°58	15° 2	29°41	14°59	1°53	26°37	26° 1	25°34	26° 7	17°27	F 30
S 31	16 31 53	8♊51'51	18♒ 4	24♉11	24♈11	29♉41	14♏56	29♏37	15♉ 2	1♍54	26♈38	26♏ 0	25♏31	26♒14	17♍29	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	14n51	18s31	4n 2	3n49	2s39	2s34	0s20	14n 5	0s11	16s12	1n14	18s28	2n 8	15n32	0s21	11n36	0n48	5s23	16s33	19s20	19s33	9s 4	1n 8	4s 9
F 2	15 9	16 0	4 39	3 54	2 46	2 18	0 26	14 19	0 10	16 10	1 14	18 27	2 8	15 33	0 21	11 36	0 48	5 22	16 33	19 20	19 32	9 2	1 10	4 8
S 3	15 27	12 51	5 4	4 2	2 52	2 2	0 32	14 34	0 10	16 8	1 14	18 26	2 8	15 35	0 21	11 36	0 48	5 22	16 33	19 20	19 32	9 0	1 11	4 8
S 4	15 45	9 13	5 15	4 13	2 58	1 45	0 38	14 48	0 9	16 6	1 14	18 26	2 8	15 36	0 21	11 36	0 48	5 22	16 33	19 20	19 31	8 57	1 12	4 7
M 5	16 2	5 13	5 13	4 25	3 2	1 29	0 44	15 3	0 8	16 4	1 14	18 25	2 8	15 37	0 21	11 36	0 48	5 21	16 33	19 20	19 30	8 55	1 13	4 6
T 6	16 20	0 59	4 58	4 39	3 6	1 11	0 49	15 17	0 8	16 2	1 14	18 24	2 8	15 38	0 21	11 36	0 48	5 21	16 34	19 20	19 29	8 53	1 14	4 5
W 7	16 36	3n20	4 29	4 56	3 9	0 54	0 55	15 31	0 7	16 0	1 14	18 23	2 8	15 39	0 21	11 36	0 48	5 20	16 34	19 20	19 29	8 51	1 15	4 5
T 8	16 53	7 35	3 47	5 14	3 11	0 36	1 0	15 44	0 7	15 58	1 14	18 22	2 8	15 40	0 21	11 36	0 48	5 20	16 34	19 19	19 28	8 49	1 17	4 4
F 9	17 9	11 37	2 53	5 34	3 13	0 17	1 5	15 58	0 6	15 56	1 14	18 21	2 8	15 41	0 21	11 36	0 48	5 20	16 34	19 19	19 27	8 46	1 18	4 3
S 10	17 26	15 12	1 50	5 55	3 14	0n 1	1 10	16 12	0 5	15 54	1 14	18 20	2 8	15 42	0 21	11 36	0 48	5 19	16 34	19 19	19 27	8 44	1 18	4 2
S 11	17 41	18 6	0 40	6 19	3 14	0 20	1 14	16 25	0 5	15 52	1 13	18 20	2 8	15 43	0 21	11 36	0 48	5 19	16 34	19 19	19 26	8 42	1 19	4 2
M12	17 57	20 6	0s34	6 43	3 13	0 39	1 19	16 38	0 4	15 50	1 13	18 19	2 8	15 44	0 21	11 36	0 48	5 19	16 34	19 19	19 25	8 40	1 20	4 1
T 13	18 12	20 57	1 47	7 9	3 12	0 58	1 23	16 51	0 3	15 48	1 13	18 18	2 8	15 45	0 21	11 36	0 48	5 18	16 34	19 19	19 24	8 37	1 21	4 0
W14	18 27	20 34	2 56	7 37	3 10	1 18	1 27	17 4	0 3	15 46	1 13	18 17	2 8	15 46	0 21	11 36	0 48	5 18	16 34	19 19	19 24	8 35	1 22	4 0
T 15	18 42	18 54	3 54	8 6	3 8	1 38	1 31	17 17	0 2	15 44	1 13	18 16	2 8	15 47	0 21	11 36	0 48	5 18	16 35	19 19	19 23	8 33	1 23	3 59
F 16	18 56	16 5	4 39	8 36	3 5	1 58	1 35	17 29	0 1	15 42	1 13	18 15	2 8	15 48	0 21	11 36	0 48	5 18	16 35	19 19	19 22	8 31	1 23	3 58
S 17	19 10	12 19	5 7	9 7	3 1	2 18	1 39	17 42	0 1	15 40	1 13	18 14	2 8	15 49	0 21	11 36	0 48	5 17	16 35	19 19	19 21	8 29	1 24	3 57
S 18	19 23	7 50	5 17	9 39	2 56	2 39	1 43	17 54	0 0	15 38	1 13	18 14	2 8	15 50	0 21	11 36	0 48	5 17	16 35	19 19	19 21	8 26	1 25	3 57
M19	19 37	2 56	5 7	10 13	2 52	3 0	1 46	18 6	0n 0	15 36	1 13	18 13	2 8	15 51	0 21	11 36	0 48	5 17	16 35	19 19	19 20	8 24	1 25	3 56
T 20	19 50	2s 7	4 39	10 47	2 46	3 20	1 49	18 17	0 1	15 34	1 12	18 12	2 8	15 52	0 21	11 36	0 48	5 16	16 35	19 19	19 19	8 22	1 26	3 55
W21	20 2	7 2	3 54	11 22	2 40	3 41	1 52	18 29	0 2	15 32	1 12	18 11	2 8	15 53	0 21	11 36	0 48	5 16	16 36	19 19	19 18	8 20	1 26	3 54
T 22	20 15	11 32	2 55	11 58	2 33	4 3	1 55	18 41	0 2	15 30	1 12	18 10	2 8	15 54	0 21	11 36	0 48	5 16	16 36	19 19	19 18	8 17	1 27	3 54
F 23	20 27	15 22	1 47	12 34	2 26	4 24	1 58	18 52	0 3	15 28	1 12	18 9	2 8	15 55	0 21	11 36	0 48	5 16	16 36	19 19	19 17	8 15	1 27	3 53
S 24	20 38	18 19	0 34	13 12	2 19	4 45	2 1	19 3	0 4	15 26	1 12	18 8	2 8	15 56	0 21	11 35	0 48	5 15	16 36	19 19	19 16	8 13	1 27	3 52
S 25	20 49	20 13	0n40	13 49	2 11	5 7	2 3	19 14	0 4	15 24	1 12	18 7	2 8	15 57	0 21	11 35	0 48	5 15	16 36	19 19	19 15	8 11	1 28	3 51
M26	21 0	20 58	1 50	14 27	2 2	5 28	2 6	19 25	0 5	15 22	1 11	18 7	2 8	15 58	0 21	11 35	0 48	5 15	16 36	19 19	19 15	8 8	1 28	3 51
T 27	21 11	20 36	2 53	15 6	1 53	5 50	2 8	19 35	0 6	15 21	1 11	18 6	2 8	15 59	0 21	11 35	0 48	5 15	16 37	19 19	19 14	8 6	1 28	3 50
W28	21 21	19 13	3 46	15 44	1 44	6 12	2 10	19 45	0 6	15 19	1 11	18 5	2 8	16 0	0 21	11 35	0 48	5 15	16 37	19 19	19 13	8 4	1 28	3 49
T 29	21 31	16 57	4 28	16 23	1 34	6 34	2 12	19 56	0 7	15 17	1 11	18 4	2 7	16 1	0 21	11 35	0 48	5 14	16 37	19 18	19 12	8 2	1 28	3 48
F 30	21 40	13 59	4 57	17 1	1 24	6 56	2 14	20 6	0 7	15 15	1 11	18 3	2 7	16 2	0 21	11 34	0 48	5 14	16 37	19 18	19 12	8 0	1 28	3 48
S 31	21n49	10s29	5n13	17n40	1s14	7n18	2s16	20n15	0n 8	15s13	1n11	18s 2	2n 7	16n 3	0s21	11n34	0n48	5s14	16s37	19s18	19s11	7s57	1n28	3s47

Julian Day Number = 2306663.5, Delta T = 84.51 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'15, Lahiri = 18°19'15Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

JUNE 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 35 50	9♊49'15	29♒58	26♉ 7	25♈15	0♊23	14°R49	29°R33	15♉ 5	1♍54	26♈39	25°R59	25♏28	26♒21	17♍31	S 1
M 2	16 39 46	10°46'38	11♓52	28° 6	26°19	1° 5	14♏43	29♏28	15° 9	1°55	26°40	25°D59	25°24	26°27	17°33	M 2
T 3	16 43 43	11°44'00	23°51	0♊ 6	27°24	1°47	14°37	29°24	15°12	1°55	26°41	25♏59	25°21	26°34	17°35	T 3
W 4	16 47 39	12°41'21	5♈59	2° 8	28°29	2°30	14°31	29°20	15°15	1°56	26°42	26° 0	25°18	26°41	17°37	W 4
T 5	16 51 36	13°38'43	18°20	4°12	29°34	3°12	14°25	29°16	15°18	1°57	26°43	26° 2	25°15	26°48	17°39	T 5
F 6	16 55 32	14°36'03	0♉58	6°18	0♉39	3°54	14°19	29°11	15°21	1°58	26°44	26° 3	25°12	26°54	17°42	F 6
S 7	16 59 29	15°33'23	13°57	8°25	1°44	4°36	14°14	29° 7	15°25	1°58	26°45	26° 4	25° 9	27° 1	17°44	S 7
S 8	17 3 26	16°30'43	27°17	10°34	2°49	5°17	14° 8	29° 3	15°28	1°59	26°46	26°R 4	25° 5	27° 8	17°47	S 8
M 9	17 7 22	17°28'02	10♊59	12°44	3°55	5°59	14° 3	28°59	15°31	2° 0	26°47	26° 4	25° 2	27°14	17°49	M 9
T 10	17 11 19	18°25'21	25° 0	14°55	5° 1	6°41	13°58	28°55	15°34	2° 1	26°48	26° 2	24°59	27°21	17°52	T 10
W11	17 15 15	19°22'38	9♋17	17° 6	6° 7	7°23	13°52	28°51	15°37	2° 2	26°49	26° 0	24°56	27°28	17°55	W11
T 12	17 19 12	20°19'56	23°44	19°18	7°13	8° 5	13°47	28°47	15°40	2° 3	26°49	25°56	24°53	27°35	17°58	T 12
F 13	17 23 8	21°17'12	8♌16	21°30	8°19	8°46	13°43	28°43	15°43	2° 4	26°50	25°53	24°49	27°41	18° 1	F 13
S 14	17 27 5	22°14'28	22°47	23°41	9°25	9°28	13°38	28°39	15°46	2° 5	26°51	25°50	24°46	27°48	18° 4	S 14
S 15	17 31 1	23°11'43	7♍12	25°53	10°32	10° 9	13°34	28°35	15°49	2° 6	26°52	25°48	24°43	27°55	18° 8	S 15
M16	17 34 58	24° 8'57	21°27	28° 3	11°39	10°51	13°29	28°31	15°52	2° 7	26°53	25°D47	24°40	28° 1	18°11	M16
T 17	17 38 55	25° 6'10	5♎29	0♋12	12°45	11°32	13°25	28°28	15°55	2° 8	26°54	25°48	24°37	28° 8	18°15	T 17
W18	17 42 51	26° 3'23	19°18	2°21	13°52	12°14	13°21	28°24	15°57	2° 9	26°55	25°49	24°34	28°15	18°18	W18
T 19	17 46 48	27° 0'35	2♏53	4°27	14°59	12°55	13°17	28°20	16° 0	2°10	26°55	25°50	24°30	28°22	18°22	T 19
F 20	17 50 44	27°57'47	16°16	6°33	16° 6	13°36	13°13	28°17	16° 3	2°11	26°56	25°52	24°27	28°28	18°26	F 20
S 21	17 54 41	28°54'58	29°25	8°37	17°14	14°18	13°10	28°13	16° 6	2°12	26°57	25°R52	24°24	28°35	18°30	S 21
S 22	17 58 37	29°52'09	12♐21	10°39	18°21	14°59	13° 6	28°10	16° 9	2°14	26°58	25°51	24°21	28°42	18°34	S 22
M23	18 2 34	0♋49'19	25° 6	12°39	19°29	15°40	13° 3	28° 6	16°11	2°15	26°58	25°48	24°18	28°49	18°38	M23
T 24	18 6 30	1°46'30	7♑39	14°37	20°36	16°21	13° 0	28° 3	16°14	2°16	26°59	25°43	24°15	28°55	18°42	T 24
W25	18 10 27	2°43'40	20° 0	16°33	21°44	17° 2	12°57	28° 0	16°17	2°17	27° 0	25°38	24°11	29° 2	18°47	W25
T 26	18 14 24	3°40'50	2♒12	18°28	22°52	17°43	12°55	27°57	16°19	2°19	27° 0	25°31	24° 8	29° 9	18°51	T 26
F 27	18 18 20	4°38'00	14°15	20°20	24° 0	18°24	12°52	27°54	16°22	2°20	27° 1	25°24	24° 5	29°15	18°56	F 27
S 28	18 22 17	5°35'10	26°11	22°10	25° 8	19° 5	12°50	27°50	16°24	2°21	27° 2	25°18	24° 2	29°22	19° 0	S 28
S 29	18 26 13	6°32'21	8♓ 4	23°58	26°16	19°46	12°48	27°47	16°27	2°23	27° 2	25°13	23°59	29°29	19° 5	S 29
M30	18 30 10	7♋29'31	19♓57	25♋44	27♉25	20♊27	12♏46	27♏45	16♉29	2♍24	27♈ 3	25♏ 9	23♏55	29♒36	19♍10	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	21n58	6s35	5n15	18n18	1s 3	7n39	2s17	20n25	0n 9	15s12	1n10	18s 1	2n 7	16n 4	0s21	11n34	0n48	5s14	16s38	19s18	19s10	7s55	1n28	3s46
M 2	22 6	2 26	5 4	18 55	0 53	8 1	2 19	20 34	0 9	15 10	1 10	18 1	2 7	16 5	0 21	11 34	0 48	5 14	16 38	19 17	19 9	7 53	1 28	3 45
T 3	22 14	1n50	4 40	19 32	0 42	8 23	2 20	20 44	0 10	15 9	1 10	18 0	2 7	16 6	0 21	11 33	0 48	5 14	16 38	19 18	19 8	7 51	1 28	3 45
W 4	22 22	6 5	4 2	20 8	0 31	8 45	2 21	20 53	0 11	15 7	1 10	17 59	2 7	16 7	0 21	11 33	0 48	5 13	16 38	19 18	19 8	7 48	1 28	3 44
T 5	22 29	10 11	3 13	20 42	0 20	9 7	2 22	21 1	0 11	15 5	1 10	17 58	2 7	16 8	0 21	11 33	0 48	5 13	16 39	19 18	19 7	7 46	1 28	3 43
F 6	22 36	13 56	2 14	21 15	0 9	9 29	2 23	21 10	0 12	15 4	1 9	17 57	2 7	16 9	0 21	11 33	0 48	5 13	16 39	19 18	19 6	7 44	1 28	3 42
S 7	22 42	17 7	1 6	21 47	0n 2	9 51	2 24	21 18	0 13	15 2	1 9	17 57	2 7	16 9	0 21	11 32	0 48	5 13	16 39	19 19	19 5	7 42	1 27	3 42
S 8	22 48	19 29	0s 7	22 17	0 13	10 12	2 25	21 27	0 13	15 1	1 9	17 56	2 6	16 10	0 21	11 32	0 48	5 13	16 39	19 19	19 5	7 39	1 27	3 41
M 9	22 54	20 48	1 21	22 45	0 23	10 34	2 25	21 35	0 14	15 0	1 9	17 55	2 6	16 11	0 21	11 32	0 48	5 13	16 40	19 19	19 4	7 37	1 27	3 40
T 10	22 59	20 51	2 32	23 11	0 33	10 56	2 26	21 42	0 14	14 58	1 9	17 54	2 6	16 12	0 21	11 31	0 48	5 13	16 40	19 18	19 3	7 35	1 26	3 39
W11	23 4	19 35	3 36	23 34	0 43	11 17	2 26	21 50	0 15	14 57	1 8	17 54	2 6	16 13	0 21	11 31	0 48	5 13	16 40	19 18	19 2	7 33	1 26	3 39
T 12	23 8	17 2	4 26	23 56	0 52	11 38	2 27	21 57	0 16	14 56	1 8	17 53	2 6	16 14	0 21	11 31	0 48	5 13	16 40	19 17	19 2	7 31	1 25	3 38
F 13	23 12	13 25	4 59	24 14	1 1	12 0	2 27	22 5	0 16	14 54	1 8	17 52	2 6	16 15	0 21	11 30	0 48	5 13	16 41	19 16	19 1	7 28	1 25	3 37
S 14	23 16	9 1	5 13	24 30	1 9	12 21	2 27	22 12	0 17	14 53	1 8	17 51	2 6	16 16	0 21	11 30	0 48	5 13	16 41	19 15	19 0	7 26	1 24	3 37
S 15	23 19	4 8	5 7	24 43	1 17	12 41	2 27	22 18	0 17	14 52	1 7	17 51	2 5	16 17	0 21	11 30	0 48	5 12	16 41	19 15	18 59	7 24	1 23	3 36
M16	23 22	0s56	4 43	24 53	1 24	13 2	2 26	22 25	0 18	14 51	1 7	17 50	2 5	16 17	0 21	11 29	0 48	5 12	16 41	19 15	18 59	7 22	1 23	3 35
T 17	23 24	5 53	4 1	25 0	1 30	13 23	2 26	22 31	0 19	14 50	1 7	17 49	2 5	16 18	0 21	11 29	0 48	5 12	16 42	19 15	18 58	7 19	1 22	3 35
W18	23 26	10 27	3 7	25 4	1 36	13 43	2 26	22 38	0 19	14 49	1 7	17 49	2 5	16 19	0 21	11 28	0 48	5 12	16 42	19 15	18 57	7 17	1 21	3 34
T 19	23 27	14 25	2 2	25 6	1 41	14 3	2 25	22 44	0 20	14 48	1 6	17 48	2 5	16 20	0 21	11 28	0 48	5 12	16 42	19 15	18 56	7 15	1 20	3 33
F 20	23 28	17 34	0 52	25 5	1 45	14 23	2 25	22 49	0 21	14 47	1 6	17 48	2 5	16 21	0 21	11 28	0 48	5 12	16 43	19 16	18 55	7 13	1 20	3 32
S 21	23 29	19 45	0n19	25 1	1 49	14 43	2 24	22 55	0 21	14 46	1 6	17 47	2 4	16 21	0 21	11 27	0 48	5 12	16 43	19 16	18 55	7 10	1 19	3 32
S 22	23 29	20 51	1 29	24 55	1 51	15 2	2 23	23 0	0 22	14 46	1 6	17 46	2 4	16 22	0 21	11 27	0 48	5 12	16 43	19 15	18 54	7 8	1 18	3 31
M23	23 29	20 51	2 33	24 46	1 53	15 21	2 22	23 5	0 22	14 45	1 5	17 46	2 4	16 23	0 21	11 26	0 48	5 12	16 43	19 15	18 53	7 6	1 17	3 30
T 24	23 29	19 49	3 28	24 35	1 55	15 40	2 21	23 10	0 23	14 44	1 5	17 45	2 4	16 24	0 21	11 26	0 48	5 13	16 44	19 14	18 52	7 4	1 16	3 30
W25	23 28	17 50	4 12	24 22	1 55	15 59	2 20	23 15	0 24	14 44	1 5	17 45	2 4	16 24	0 21	11 25	0 48	5 13	16 44	19 12	18 51	7 1	1 15	3 29
T 26	23 26	15 5	4 44	24 7	1 55	16 17	2 19	23 19	0 24	14 43	1 5	17 44	2 4	16 25	0 21	11 25	0 48	5 13	16 44	19 11	18 51	6 59	1 13	3 28
F 27	23 24	11 44	5 4	23 50	1 54	16 35	2 18	23 24	0 25	14 43	1 4	17 44	2 3	16 26	0 21	11 24	0 48	5 13	16 45	19 9	18 50	6 57	1 12	3 28
S 28	23 22	7 58	5 9	23 31	1 53	16 53	2 16	23 28	0 25	14 42	1 4	17 43	2 3	16 27	0 21	11 24	0 48	5 13	16 45	19 8	18 49	6 55	1 11	3 27
S 29	23 20	3 54	5 2	23 10	1 50	17 10	2 15	23 32	0 26	14 42	1 4	17 43	2 3	16 27	0 21	11 23	0 48	5 13	16 45	19 6	18 48	6 53	1 10	3 26
M30	23n17	0n19	4n41	22n48	1n48	17n27	2s13	23n35	0n27	14s41	1n 4	17s42	2n 3	16n28	0s21	11n23	0n48	5s13	16s46	19s 6	18s48	6s50	1n 9	3s26

Julian Day Number = 2306694.5, Delta T = 84.40 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'19, Lahiri = 18°19'20Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

JULY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 34 6	8♋26'42	1♈54	27♋29	28♉33	21♊ 7	12°R44	27°R42	16♉32	2♍26	27♈ 3	25°R 8	23♏52	29♒42	19♍14	T 1
W 2	18 38 3	9°23'54	13°59	29°11	29°42	21°48	12♏42	27♏39	16°34	2°27	27° 4	25°D 8	23°49	29°49	19°19	W 2
T 3	18 41 59	10°21'05	26°19	0♌51	0♊50	22°29	12°41	27°36	16°37	2°29	27° 4	25♏ 9	23°46	29°56	19°25	T 3
F 4	18 45 56	11°18'17	8♉57	2°28	1°59	23° 9	12°40	27°34	16°39	2°30	27° 5	25°10	23°43	0♓ 3	19°30	F 4
S 5	18 49 53	12°15'30	21°57	4° 4	3° 8	23°50	12°39	27°31	16°41	2°32	27° 5	25°R11	23°40	0° 9	19°35	S 5
S 6	18 53 49	13°12'43	5♊23	5°38	4°17	24°31	12°38	27°29	16°43	2°33	27° 6	25°10	23°36	0°16	19°40	S 6
M 7	18 57 46	14° 9'56	19°16	7°10	5°26	25°11	12°37	27°26	16°46	2°35	27° 6	25° 8	23°33	0°23	19°46	M 7
T 8	19 1 42	15° 7'10	3♋34	8°39	6°35	25°52	12°36	27°24	16°48	2°37	27° 7	25° 4	23°30	0°29	19°51	T 8
W 9	19 5 39	16° 4'25	18°12	10° 7	7°44	26°32	12°36	27°22	16°50	2°38	27° 7	24°57	23°27	0°36	19°57	W 9
T 10	19 9 35	17° 1'39	3♌ 4	11°32	8°53	27°12	12°D36	27°20	16°52	2°40	27° 8	24°50	23°24	0°43	20° 2	T 10
F 11	19 13 32	17°58'54	18° 2	12°55	10° 3	27°53	12°36	27°18	16°54	2°41	27° 8	24°42	23°21	0°50	20° 8	F 11
S 12	19 17 29	18°56'09	2♍56	14°16	11°12	28°33	12°36	27°16	16°56	2°43	27° 8	24°35	23°17	0°56	20°14	S 12
S 13	19 21 25	19°53'24	17°38	15°35	12°22	29°13	12°36	27°14	16°58	2°45	27° 9	24°29	23°14	1° 3	20°20	S 13
M14	19 25 22	20°50'39	2♎ 3	16°51	13°31	29°53	12°37	27°12	17° 0	2°47	27° 9	24°26	23°11	1°10	20°26	M14
T 15	19 29 18	21°47'55	16° 7	18° 5	14°41	0♋33	12°38	27°11	17° 2	2°48	27° 9	24°D24	23° 8	1°16	20°32	T 15
W16	19 33 15	22°45'11	29°51	19°17	15°51	1°13	12°39	27° 9	17° 4	2°50	27°10	24°24	23° 5	1°23	20°38	W16
T 17	19 37 11	23°42'27	13♏14	20°26	17° 1	1°53	12°40	27° 7	17° 6	2°52	27°10	24°25	23° 1	1°30	20°44	T 17
F 18	19 41 8	24°39'43	26°20	21°33	18°11	2°33	12°41	27° 6	17° 8	2°54	27°10	24°R25	22°58	1°37	20°51	F 18
S 19	19 45 4	25°37'00	9♐11	22°37	19°21	3°13	12°43	27° 5	17° 9	2°56	27°10	24°24	22°55	1°43	20°57	S 19
S 20	19 49 1	26°34'18	21°49	23°38	20°31	3°53	12°44	27° 4	17°11	2°58	27°10	24°21	22°52	1°50	21° 3	S 20
M21	19 52 58	27°31'35	4♑17	24°36	21°41	4°33	12°46	27° 2	17°13	2°59	27°11	24°15	22°49	1°57	21°10	M21
T 22	19 56 54	28°28'54	16°35	25°31	22°52	5°13	12°48	27° 1	17°14	3° 1	27°11	24° 7	22°46	2° 4	21°16	T 22
W23	20 0 51	29°26'13	28°45	26°24	24° 2	5°52	12°50	27° 1	17°16	3° 3	27°11	23°56	22°42	2°10	21°23	W23
T 24	20 4 47	0♌23'33	10♒49	27°12	25°12	6°32	12°53	27° 0	17°17	3° 5	27°11	23°45	22°39	2°17	21°30	T 24
F 25	20 8 44	1°20'53	22°47	27°58	26°23	7°12	12°55	26°59	17°19	3° 7	27°11	23°32	22°36	2°24	21°37	F 25
S 26	20 12 40	2°18'15	4♓40	28°40	27°33	7°51	12°58	26°58	17°20	3° 9	27°11	23°21	22°33	2°30	21°43	S 26
S 27	20 16 37	3°15'38	16°31	29°18	28°44	8°31	13° 1	26°58	17°22	3°11	27°11	23°11	22°30	2°37	21°50	S 27
M28	20 20 33	4°13'01	28°23	29°53	29°55	9°10	13° 4	26°57	17°23	3°13	27°R11	23° 3	22°27	2°44	21°57	M28
T 29	20 24 30	5°10'26	10♈19	0♍23	1♋ 6	9°50	13° 7	26°57	17°24	3°15	27°11	22°58	22°23	2°51	22° 4	T 29
W30	20 28 27	6° 7'52	22°23	0°49	2°17	10°29	13°10	26°57	17°26	3°17	27°11	22°56	22°20	2°57	22°11	W30
T 31	20 32 23	7♌ 5'19	4♉40	1♍11	3♋28	11♋ 9	13♏14	26♏56	17♉27	3♍19	27♈11	22°D55	22♏17	3♓ 4	22♍19	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	23n13	4n33	4n 8	22n25	1n44	17n44	2s12	23n39	0n27	14s41	1n 3	17s42	2n 3	16n29	0s21	11n22	0n48	5s13	16s46	19s 5	18s47	6s48	1n 7	3s25
W 2	23 9	8 40	3 24	22 0	1 40	18 0	2 10	23 42	0 28	14 41	1 3	17 41	2 2	16 30	0 21	11 22	0 48	5 13	16 46	19 5	18 46	6 46	1 6	3 24
T 3	23 5	12 30	2 30	21 34	1 36	18 16	2 8	23 45	0 28	14 41	1 3	17 41	2 2	16 30	0 21	11 21	0 48	5 13	16 46	19 5	18 45	6 44	1 5	3 24
F 4	23 0	15 53	1 27	21 7	1 31	18 32	2 7	23 48	0 29	14 40	1 3	17 41	2 2	16 31	0 21	11 21	0 48	5 13	16 47	19 6	18 44	6 41	1 3	3 23
S 5	22 55	18 34	0 17	20 39	1 25	18 47	2 5	23 50	0 30	14 40	1 2	17 40	2 2	16 31	0 21	11 20	0 48	5 14	16 47	19 6	18 44	6 39	1 2	3 23
S 6	22 50	20 21	0s55	20 11	1 19	19 2	2 3	23 53	0 30	14 40	1 2	17 40	2 2	16 32	0 21	11 19	0 48	5 14	16 47	19 6	18 43	6 37	1 0	3 22
M 7	22 44	20 58	2 6	19 41	1 12	19 16	2 1	23 55	0 31	14 40	1 2	17 39	2 1	16 33	0 21	11 19	0 47	5 14	16 48	19 5	18 42	6 35	0 59	3 21
T 8	22 38	20 15	3 11	19 11	1 5	19 30	1 59	23 57	0 31	14 41	1 2	17 39	2 1	16 33	0 21	11 18	0 47	5 14	16 48	19 4	18 41	6 32	0 57	3 21
W 9	22 31	18 11	4 6	18 40	0 58	19 44	1 57	23 59	0 32	14 41	1 1	17 39	2 1	16 34	0 21	11 18	0 47	5 14	16 48	19 3	18 40	6 30	0 55	3 20
T 10	22 24	14 54	4 44	18 9	0 50	19 57	1 54	24 0	0 33	14 41	1 1	17 39	2 1	16 35	0 21	11 17	0 47	5 14	16 49	19 1	18 40	6 28	0 54	3 19
F 11	22 17	10 38	5 4	17 38	0 41	20 9	1 52	24 2	0 33	14 41	1 1	17 38	2 1	16 35	0 21	11 16	0 47	5 14	16 49	18 59	18 39	6 26	0 52	3 19
S 12	22 9	5 45	5 3	17 6	0 33	20 21	1 50	24 3	0 34	14 41	1 1	17 38	2 0	16 36	0 21	11 16	0 47	5 15	16 49	18 57	18 38	6 23	0 50	3 18
S 13	22 1	0 35	4 41	16 34	0 23	20 33	1 47	24 4	0 34	14 42	1 0	17 38	2 0	16 36	0 21	11 15	0 47	5 15	16 50	18 56	18 37	6 21	0 49	3 18
M14	21 52	4s31	4 3	16 2	0 14	20 44	1 45	24 4	0 35	14 42	1 0	17 38	2 0	16 37	0 21	11 15	0 47	5 15	16 50	18 55	18 36	6 19	0 47	3 17
T 15	21 43	9 16	3 10	15 30	0 4	20 55	1 43	24 5	0 36	14 43	1 0	17 38	2 0	16 37	0 21	11 14	0 47	5 15	16 50	18 55	18 36	6 17	0 45	3 16
W16	21 34	13 26	2 8	14 58	0s 6	21 5	1 40	24 5	0 36	14 43	1 0	17 37	1 59	16 38	0 21	11 13	0 47	5 16	16 51	18 55	18 35	6 15	0 43	3 16
T 17	21 24	16 47	0 59	14 26	0 17	21 14	1 38	24 5	0 37	14 44	0 59	17 37	1 59	16 38	0 21	11 13	0 47	5 16	16 51	18 55	18 34	6 12	0 41	3 15
F 18	21 14	19 13	0n10	13 55	0 28	21 23	1 35	24 5	0 37	14 44	0 59	17 37	1 59	16 39	0 21	11 12	0 47	5 16	16 51	18 55	18 33	6 10	0 39	3 15
S 19	21 4	20 35	1 18	13 24	0 39	21 32	1 32	24 5	0 38	14 45	0 59	17 37	1 59	16 39	0 21	11 11	0 47	5 16	16 52	18 55	18 32	6 8	0 37	3 14
S 20	20 53	20 54	2 21	12 53	0 50	21 40	1 30	24 4	0 38	14 46	0 58	17 37	1 59	16 40	0 21	11 11	0 47	5 16	16 52	18 54	18 32	6 6	0 35	3 14
M21	20 42	20 10	3 16	12 23	1 2	21 47	1 27	24 4	0 39	14 47	0 58	17 37	1 58	16 40	0 21	11 10	0 47	5 17	16 52	18 52	18 31	6 3	0 33	3 13
T 22	20 30	18 29	4 0	11 53	1 14	21 54	1 24	24 3	0 40	14 48	0 58	17 37	1 58	16 41	0 21	11 9	0 47	5 17	16 53	18 50	18 30	6 1	0 31	3 12
W23	20 19	15 59	4 34	11 24	1 26	22 0	1 21	24 2	0 40	14 48	0 58	17 37	1 58	16 41	0 21	11 9	0 47	5 17	16 53	18 48	18 29	5 59	0 29	3 12
T 24	20 7	12 50	4 54	10 56	1 38	22 6	1 18	24 0	0 41	14 49	0 57	17 37	1 58	16 42	0 21	11 8	0 47	5 18	16 53	18 45	18 28	5 57	0 27	3 11
F 25	19 54	9 12	5 2	10 29	1 50	22 11	1 16	23 59	0 41	14 50	0 57	17 37	1 57	16 42	0 21	11 7	0 47	5 18	16 54	18 42	18 28	5 54	0 25	3 11
S 26	19 41	5 13	4 56	10 3	2 2	22 15	1 13	23 57	0 42	14 51	0 57	17 37	1 57	16 42	0 21	11 6	0 47	5 18	16 54	18 39	18 27	5 52	0 23	3 10
S 27	19 28	1 4	4 38	9 38	2 15	22 19	1 10	23 55	0 42	14 53	0 57	17 37	1 57	16 43	0 21	11 6	0 47	5 18	16 54	18 36	18 26	5 50	0 20	3 10
M28	19 15	3n 8	4 7	9 14	2 27	22 23	1 7	23 53	0 43	14 54	0 56	17 38	1 57	16 43	0 21	11 5	0 47	5 19	16 55	18 35	18 25	5 48	0 18	3 9
T 29	19 1	7 15	3 26	8 52	2 40	22 25	1 4	23 51	0 44	14 55	0 56	17 38	1 56	16 44	0 21	11 4	0 47	5 19	16 55	18 33	18 24	5 45	0 16	3 9
W30	18 47	11 7	2 34	8 31	2 52	22 27	1 1	23 48	0 44	14 56	0 56	17 38	1 56	16 44	0 21	11 4	0 47	5 19	16 55	18 33	18 24	5 43	0 13	3 8
T 31	18n32	14n36	1n35	8n12	3s 4	22n29	0s58	23n46	0n45	14s57	0n56	17s38	1n56	16n44	0s21	11n 3	0n47	5s20	16s56	18s32	18s23	5s41	0n11	3s 8

Julian Day Number = 2306724.5, Delta T = 84.30 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'23, Lahiri = 18°19'24Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

AUGUST 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 36 20	8♌ 2'48	17♉14	1♍28	4♋39	11♋48	13♏18	26°D56	17♉28	3♍21	27°R11	22°R55	22♏14	3♓11	22♍26	F 1
S 2	20 40 16	9° 0'18	0♊11	1°40	5°50	12°27	13°21	26♏56	17°29	3°23	27♈11	22♏55	22°11	3°17	22°33	S 2
S 3	20 44 13	9°57'49	13°35	1°47	7° 1	13° 7	13°25	26°56	17°30	3°25	27°11	22°54	22° 7	3°24	22°40	S 3
M 4	20 48 9	10°55'22	27°28	1°R49	8°12	13°46	13°30	26°57	17°31	3°27	27°11	22°50	22° 4	3°31	22°48	M 4
T 5	20 52 6	11°52'56	11♋50	1°46	9°24	14°25	13°34	26°57	17°32	3°29	27°10	22°44	22° 1	3°38	22°55	T 5
W 6	20 56 2	12°50'31	26°37	1°37	10°35	15° 4	13°39	26°57	17°33	3°31	27°10	22°35	21°58	3°44	23° 3	W 6
T 7	20 59 59	13°48'08	11♌43	1°23	11°47	15°43	13°43	26°58	17°34	3°34	27°10	22°25	21°55	3°51	23°10	T 7
F 8	21 3 56	14°45'45	26°58	1° 3	12°58	16°22	13°48	26°59	17°35	3°36	27°10	22°14	21°52	3°58	23°18	F 8
S 9	21 7 52	15°43'24	12♍10	0°38	14°10	17° 1	13°53	26°59	17°36	3°38	27°10	22° 4	21°48	4° 5	23°25	S 9
S 10	21 11 49	16°41'04	27°10	0° 8	15°21	17°40	13°58	27° 0	17°36	3°40	27° 9	21°56	21°45	4°11	23°33	S 10
M11	21 15 45	17°38'45	11♎49	29♌32	16°33	18°19	14° 4	27° 1	17°37	3°42	27° 9	21°50	21°42	4°18	23°41	M11
T 12	21 19 42	18°36'27	26° 3	28°53	17°45	18°58	14° 9	27° 2	17°38	3°44	27° 9	21°47	21°39	4°25	23°49	T 12
W13	21 23 38	19°34'11	9♏51	28° 8	18°57	19°37	14°15	27° 3	17°38	3°46	27° 8	21°46	21°36	4°31	23°57	W13
T 14	21 27 35	20°31'55	23°13	27°21	20° 9	20°15	14°21	27° 4	17°39	3°49	27° 8	21°46	21°33	4°38	24° 4	T 14
F 15	21 31 31	21°29'40	6♐14	26°31	21°21	20°54	14°27	27° 5	17°39	3°51	27° 8	21°45	21°29	4°45	24°12	F 15
S 16	21 35 28	22°27'27	18°55	25°39	22°33	21°33	14°33	27° 7	17°40	3°53	27° 7	21°44	21°26	4°52	24°20	S 16
S 17	21 39 25	23°25'15	1♑22	24°45	23°45	22°11	14°39	27° 8	17°40	3°55	27° 7	21°40	21°23	4°58	24°28	S 17
M18	21 43 21	24°23'04	13°38	23°53	24°57	22°50	14°45	27°10	17°40	3°57	27° 7	21°33	21°20	5° 5	24°36	M18
T 19	21 47 18	25°20'54	25°45	23° 1	26°10	23°28	14°52	27°12	17°41	4° 0	27° 6	21°23	21°17	5°12	24°45	T 19
W20	21 51 14	26°18'46	7♒46	22°11	27°22	24° 7	14°58	27°13	17°41	4° 2	27° 6	21°11	21°13	5°18	24°53	W20
T 21	21 55 11	27°16'39	19°43	21°25	28°34	24°45	15° 5	27°15	17°41	4° 4	27° 5	20°58	21°10	5°25	25° 1	T 21
F 22	21 59 7	28°14'33	1♓36	20°43	29°47	25°24	15°12	27°17	17°41	4° 6	27° 5	20°44	21° 7	5°32	25° 9	F 22
S 23	22 3 4	29°12'29	13°29	20° 7	0♌59	26° 2	15°19	27°19	17°41	4° 8	27° 4	20°31	21° 4	5°39	25°17	S 23
S 24	22 7 0	0♍10'27	25°21	19°37	2°12	26°40	15°26	27°21	17°R41	4°11	27° 4	20°19	21° 1	5°45	25°26	S 24
M25	22 10 57	1° 8'27	7♈14	19°14	3°24	27°19	15°34	27°23	17°41	4°13	27° 3	20°10	20°58	5°52	25°34	M25
T 26	22 14 53	2° 6'28	19°13	18°58	4°37	27°57	15°41	27°26	17°41	4°15	27° 2	20° 4	20°54	5°59	25°42	T 26
W27	22 18 50	3° 4'31	1♉18	18°D50	5°50	28°35	15°49	27°28	17°41	4°17	27° 2	20° 0	20°51	6° 5	25°51	W27
T 28	22 22 47	4° 2'36	13°35	18°51	7° 3	29°13	15°57	27°31	17°41	4°20	27° 1	19°59	20°48	6°12	25°59	T 28
F 29	22 26 43	5° 0'43	26° 8	19° 0	8°16	29°51	16° 4	27°33	17°40	4°22	27° 1	19°D59	20°45	6°19	26° 8	F 29
S 30	22 30 40	5°58'53	9♊ 1	19°18	9°29	0♌29	16°12	27°36	17°40	4°24	27° 0	19°R59	20°42	6°26	26°16	S 30
S 31	22 34 36	6♍57'04	22♊19	19♌45	10♌42	1♌ 7	16♏21	27♏39	17♉40	4♍26	26♈59	19♏58	20♏38	6♓32	26♍25	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	18n18	17n30	0n30	7n55	3s16	22n30	0s55	23n43	0n45	14s59	0n55	17s38	1n56	16n45	0s21	11n 2	0n47	5s20	16s56	18s32	18s22	5s39	0n 9	3s 7
S 2	18 3	19 36	0s38	7 40	3 28	22 30	0 52	23 40	0 46	15 0	0 55	17 39	1 55	16 45	0 21	11 1	0 47	5 20	16 56	18 32	18 21	5 36	0 6	3 7
S 3	17 47	20 42	1 47	7 27	3 39	22 29	0 49	23 37	0 46	15 2	0 55	17 39	1 55	16 45	0 21	11 1	0 47	5 21	16 57	18 32	18 20	5 34	0 4	3 6
M 4	17 32	20 36	2 52	7 16	3 50	22 28	0 46	23 33	0 47	15 3	0 55	17 39	1 55	16 45	0 21	11 0	0 47	5 21	16 57	18 31	18 19	5 32	0 1	3 6
T 5	17 16	19 11	3 48	7 8	4 0	22 27	0 43	23 30	0 48	15 5	0 54	17 39	1 55	16 46	0 21	10 59	0 47	5 21	16 57	18 30	18 19	5 30	0s 1	3 5
W 6	17 0	16 27	4 31	7 2	4 9	22 24	0 40	23 26	0 48	15 6	0 54	17 40	1 54	16 46	0 21	10 58	0 47	5 22	16 58	18 27	18 18	5 28	0 4	3 5
T 7	16 43	12 34	4 55	6 59	4 18	22 22	0 37	23 22	0 49	15 8	0 54	17 40	1 54	16 46	0 21	10 57	0 47	5 22	16 58	18 25	18 17	5 25	0 6	3 4
F 8	16 26	7 51	5 0	6 59	4 25	22 18	0 33	23 18	0 49	15 10	0 54	17 40	1 54	16 46	0 21	10 57	0 47	5 23	16 58	18 22	18 16	5 23	0 9	3 4
S 9	16 9	2 39	4 43	7 2	4 32	22 14	0 30	23 14	0 50	15 11	0 53	17 41	1 54	16 47	0 21	10 56	0 47	5 23	16 59	18 19	18 15	5 21	0 11	3 3
S 10	15 52	2s38	4 6	7 7	4 37	22 9	0 27	23 9	0 50	15 13	0 53	17 41	1 53	16 47	0 21	10 55	0 47	5 23	16 59	18 17	18 15	5 19	0 14	3 3
M11	15 35	7 40	3 14	7 16	4 41	22 4	0 24	23 4	0 51	15 15	0 53	17 42	1 53	16 47	0 21	10 54	0 47	5 24	16 59	18 16	18 14	5 16	0 17	3 2
T 12	15 17	12 7	2 11	7 28	4 43	21 57	0 21	23 0	0 51	15 17	0 53	17 42	1 53	16 47	0 21	10 54	0 47	5 24	17 0	18 15	18 13	5 14	0 19	3 2
W13	14 59	15 47	1 3	7 42	4 44	21 51	0 18	22 55	0 52	15 19	0 53	17 43	1 53	16 47	0 21	10 53	0 47	5 25	17 0	18 15	18 12	5 12	0 22	3 1
T 14	14 41	18 30	0n 8	7 59	4 43	21 43	0 15	22 49	0 53	15 21	0 52	17 43	1 53	16 47	0 21	10 52	0 47	5 25	17 0	18 15	18 11	5 10	0 25	3 1
F 15	14 22	20 9	1 16	8 19	4 40	21 35	0 12	22 44	0 53	15 23	0 52	17 44	1 52	16 48	0 21	10 51	0 47	5 25	17 1	18 15	18 10	5 7	0 27	3 0
S 16	14 3	20 44	2 18	8 41	4 35	21 27	0 9	22 39	0 54	15 25	0 52	17 44	1 52	16 48	0 21	10 50	0 47	5 26	17 1	18 14	18 10	5 5	0 30	3 0
S 17	13 44	20 16	3 13	9 5	4 28	21 18	0 6	22 33	0 54	15 27	0 52	17 45	1 52	16 48	0 21	10 50	0 47	5 26	17 1	18 13	18 9	5 3	0 33	3 0
M18	13 25	18 51	3 57	9 30	4 20	21 8	0 3	22 27	0 55	15 29	0 51	17 45	1 52	16 48	0 21	10 49	0 47	5 27	17 2	18 11	18 8	5 1	0 36	2 59
T 19	13 6	16 36	4 31	9 57	4 9	20 57	0 0	22 21	0 55	15 31	0 51	17 46	1 51	16 48	0 21	10 48	0 47	5 27	17 2	18 9	18 7	4 59	0 38	2 59
W20	12 46	13 40	4 52	10 24	3 57	20 46	0n 3	22 15	0 56	15 33	0 51	17 47	1 51	16 48	0 21	10 47	0 47	5 28	17 2	18 6	18 6	4 56	0 41	2 58
T 21	12 27	10 11	5 0	10 52	3 43	20 35	0 6	22 9	0 56	15 35	0 51	17 47	1 51	16 48	0 21	10 46	0 47	5 28	17 2	18 2	18 5	4 54	0 44	2 58
F 22	12 7	6 20	4 54	11 20	3 28	20 23	0 8	22 2	0 57	15 37	0 50	17 48	1 51	16 48	0 21	10 46	0 47	5 28	17 3	17 58	18 5	4 52	0 47	2 57
S 23	11 46	2 15	4 36	11 46	3 12	20 10	0 11	21 56	0 57	15 40	0 50	17 49	1 50	16 48	0 21	10 45	0 47	5 29	17 3	17 55	18 4	4 50	0 50	2 57
S 24	11 26	1n55	4 6	12 12	2 55	19 56	0 14	21 49	0 58	15 42	0 50	17 49	1 50	16 48	0 21	10 44	0 47	5 29	17 3	17 52	18 3	4 47	0 53	2 57
M25	11 6	6 1	3 26	12 36	2 37	19 42	0 17	21 42	0 59	15 44	0 50	17 50	1 50	16 48	0 21	10 43	0 47	5 30	17 4	17 49	18 2	4 45	0 56	2 56
T 26	10 45	9 56	2 35	12 59	2 18	19 28	0 20	21 35	0 59	15 47	0 50	17 51	1 50	16 48	0 21	10 42	0 47	5 30	17 4	17 48	18 1	4 43	0 59	2 56
W27	10 24	13 28	1 37	13 19	1 59	19 13	0 22	21 28	1 0	15 49	0 49	17 52	1 49	16 48	0 21	10 42	0 47	5 31	17 4	17 47	18 0	4 41	1 2	2 55
T 28	10 3	16 29	0 34	13 37	1 41	18 57	0 25	21 20	1 0	15 52	0 49	17 52	1 49	16 48	0 21	10 41	0 47	5 31	17 4	17 46	17 59	4 38	1 5	2 55
F 29	9 42	18 48	0s33	13 51	1 22	18 41	0 28	21 13	1 1	15 54	0 49	17 53	1 49	16 48	0 21	10 40	0 47	5 32	17 5	17 46	17 59	4 36	1 8	2 55
S 30	9 20	20 13	1 39	14 3	1 4	18 24	0 30	21 5	1 1	15 57	0 49	17 54	1 49	16 48	0 21	10 39	0 47	5 32	17 5	17 46	17 58	4 34	1 11	2 54
S 31	8n59	20n34	2s43	14n12	0s46	18n 7	0n33	20n57	1n 2	15s59	0n49	17s55	1n49	16n48	0s21	10n38	0n48	5s33	17s 5	17s46	17s57	4s32	1s14	2s54

Julian Day Number = 2306755.5, Delta T = 84.20 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'28, Lahiri = 18°19'28Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

SEPTEMBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 38 33	7♍55'17	6♋ 5	20♌19	11♌55	1♌45	16♏29	27♏41	17°R40	4♍28	26°R59	19°R55	20♏35	6♓39	26♍33	M 1
T 2	22 42 29	8°53'32	20°19	21° 3	13° 8	2°23	16°37	27°44	17♉39	4°31	26♈58	19♏50	20°32	6°46	26°42	T 2
W 3	22 46 26	9°51'50	5♌ 1	21°54	14°21	3° 1	16°46	27°47	17°39	4°33	26°57	19°42	20°29	6°52	26°50	W 3
T 4	22 50 22	10°50'09	20° 5	22°52	15°34	3°39	16°54	27°50	17°38	4°35	26°57	19°33	20°26	6°59	26°59	T 4
F 5	22 54 19	11°48'30	5♍21	23°58	16°48	4°17	17° 3	27°54	17°37	4°37	26°56	19°23	20°23	7° 6	27° 7	F 5
S 6	22 58 16	12°46'53	20°40	25°10	18° 1	4°55	17°12	27°57	17°37	4°40	26°55	19°14	20°19	7°13	27°16	S 6
S 7	23 2 12	13°45'18	5♎49	26°29	19°14	5°32	17°21	28° 0	17°36	4°42	26°54	19° 6	20°16	7°19	27°25	S 7
M 8	23 6 9	14°43'45	20°39	27°52	20°28	6°10	17°30	28° 4	17°35	4°44	26°54	19° 1	20°13	7°26	27°33	M 8
T 9	23 10 5	15°42'13	5♏ 4	29°21	21°41	6°48	17°39	28° 7	17°35	4°46	26°53	18°58	20°10	7°33	27°42	T 9
W10	23 14 2	16°40'43	19° 1	0♍54	22°55	7°25	17°48	28°11	17°34	4°48	26°52	18°D57	20° 7	7°40	27°51	W10
T 11	23 17 58	17°39'15	2♐29	2°31	24° 8	8° 3	17°58	28°15	17°33	4°51	26°51	18°57	20° 4	7°46	28° 0	T 11
F 12	23 21 55	18°37'48	15°32	4°11	25°22	8°40	18° 7	28°18	17°32	4°53	26°50	18°R58	20° 0	7°53	28° 8	F 12
S 13	23 25 51	19°36'23	28°13	5°54	26°36	9°18	18°17	28°22	17°31	4°55	26°49	18°58	19°57	8° 0	28°17	S 13
S 14	23 29 48	20°35'00	10♑36	7°39	27°50	9°55	18°27	28°26	17°30	4°57	26°48	18°56	19°54	8° 6	28°26	S 14
M15	23 33 45	21°33'38	22°47	9°26	29° 3	10°32	18°36	28°30	17°29	4°59	26°48	18°51	19°51	8°13	28°35	M15
T 16	23 37 41	22°32'18	4♒48	11°14	0♍17	11° 9	18°46	28°34	17°28	5° 1	26°47	18°44	19°48	8°20	28°44	T 16
W17	23 41 38	23°31'00	16°44	13° 3	1°31	11°47	18°56	28°38	17°27	5° 4	26°46	18°36	19°44	8°27	28°52	W17
T 18	23 45 34	24°29'43	28°37	14°53	2°45	12°24	19° 6	28°43	17°26	5° 6	26°45	18°26	19°41	8°33	29° 1	T 18
F 19	23 49 31	25°28'29	10♓29	16°43	3°59	13° 1	19°17	28°47	17°24	5° 8	26°44	18°15	19°38	8°40	29°10	F 19
S 20	23 53 27	26°27'16	22°22	18°33	5°13	13°38	19°27	28°51	17°23	5°10	26°43	18° 5	19°35	8°47	29°19	S 20
S 21	23 57 24	27°26'06	4♈18	20°24	6°27	14°15	19°37	28°56	17°22	5°12	26°42	17°57	19°32	8°53	29°28	S 21
M22	0 1 20	28°24'57	16°19	22°14	7°41	14°52	19°48	29° 0	17°20	5°14	26°41	17°50	19°29	9° 0	29°36	M22
T 23	0 5 17	29°23'51	28°25	24° 4	8°55	15°29	19°58	29° 5	17°19	5°16	26°40	17°46	19°25	9° 7	29°45	T 23
W24	0 9 13	0♎22'46	10♉39	25°53	10°10	16° 6	20° 9	29°10	17°18	5°18	26°39	17°44	19°22	9°14	29°54	W24
T 25	0 13 10	1°21'44	23° 3	27°42	11°24	16°43	20°20	29°14	17°16	5°20	26°38	17°D44	19°19	9°20	0♎ 3	T 25
F 26	0 17 7	2°20'45	5♊42	29°30	12°38	17°20	20°31	29°19	17°15	5°22	26°37	17°45	19°16	9°27	0°12	F 26
S 27	0 21 3	3°19'47	18°37	1♎17	13°52	17°56	20°42	29°24	17°13	5°24	26°36	17°46	19°13	9°34	0°21	S 27
S 28	0 25 0	4°18'52	1♋52	3° 4	15° 7	18°33	20°53	29°29	17°11	5°26	26°35	17°R47	19°10	9°40	0°29	S 28
M29	0 28 56	5°18'00	15°31	4°50	16°21	19°10	21° 4	29°34	17°10	5°28	26°34	17°47	19° 6	9°47	0°38	M29
T 30	0 32 53	6♎17'10	29♋34	6♎35	17♍36	19♌46	21♏15	29♏39	17♉ 8	5♍30	26♈33	17♏44	19♏ 3	9♓54	0♎47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n37	19n42	3s39	14n17	0s29	17n49	0n35	20n49	1n 2	16s 2	0n48	17s56	1n48	16n47	0s21	10n38	0n48	5s33	17s 5	17s45	17s56	4s30	1s17	2s54
T 2	8 15	17 36	4 24	14 19	0 12	17 31	0 38	20 41	1 3	16 4	0 48	17 57	1 48	16 47	0 21	10 37	0 48	5 33	17 6	17 44	17 55	4 27	1 20	2 53
W 3	7 53	14 19	4 53	14 17	0n 3	17 12	0 40	20 33	1 3	16 7	0 48	17 57	1 48	16 47	0 21	10 36	0 48	5 34	17 6	17 42	17 54	4 25	1 23	2 53
T 4	7 31	10 2	5 2	14 12	0 18	16 53	0 43	20 25	1 4	16 9	0 48	17 58	1 48	16 47	0 21	10 35	0 48	5 34	17 6	17 39	17 54	4 23	1 26	2 52
F 5	7 9	5 3	4 51	14 3	0 31	16 33	0 45	20 16	1 4	16 12	0 48	17 59	1 47	16 47	0 21	10 34	0 48	5 35	17 6	17 37	17 53	4 21	1 29	2 52
S 6	6 47	0s15	4 19	13 51	0 44	16 13	0 47	20 8	1 5	16 15	0 47	18 0	1 47	16 47	0 21	10 34	0 48	5 35	17 7	17 34	17 52	4 18	1 32	2 52
S 7	6 24	5 30	3 28	13 35	0 55	15 52	0 50	19 59	1 6	16 18	0 47	18 1	1 47	16 46	0 21	10 33	0 48	5 36	17 7	17 32	17 51	4 16	1 35	2 51
M 8	6 2	10 19	2 25	13 16	1 6	15 31	0 52	19 50	1 6	16 20	0 47	18 2	1 47	16 46	0 21	10 32	0 48	5 36	17 7	17 31	17 50	4 14	1 39	2 51
T 9	5 39	14 23	1 13	12 53	1 15	15 9	0 54	19 41	1 7	16 23	0 47	18 3	1 47	16 46	0 21	10 31	0 48	5 37	17 7	17 30	17 49	4 12	1 42	2 51
W10	5 16	17 30	0n 0	12 28	1 23	14 47	0 56	19 32	1 7	16 26	0 47	18 4	1 46	16 46	0 21	10 30	0 48	5 37	17 8	17 30	17 48	4 9	1 45	2 50
T 11	4 53	19 32	1 12	12 0	1 30	14 25	0 58	19 23	1 8	16 29	0 46	18 5	1 46	16 46	0 22	10 30	0 48	5 38	17 8	17 30	17 48	4 7	1 48	2 50
F 12	4 30	20 26	2 17	11 29	1 36	14 2	1 0	19 14	1 8	16 31	0 46	18 6	1 46	16 45	0 22	10 29	0 48	5 38	17 8	17 30	17 47	4 5	1 51	2 50
S 13	4 7	20 15	3 14	10 55	1 41	13 39	1 2	19 4	1 9	16 34	0 46	18 7	1 46	16 45	0 22	10 28	0 48	5 39	17 8	17 30	17 46	4 3	1 54	2 49
S 14	3 44	19 5	4 0	10 20	1 45	13 15	1 4	18 55	1 9	16 37	0 46	18 8	1 45	16 45	0 22	10 27	0 48	5 39	17 8	17 29	17 45	4 1	1 58	2 49
M15	3 21	17 3	4 34	9 42	1 47	12 51	1 6	18 45	1 10	16 40	0 46	18 9	1 45	16 44	0 22	10 27	0 48	5 40	17 9	17 28	17 44	3 58	2 1	2 49
T 16	2 58	14 18	4 56	9 3	1 49	12 27	1 7	18 35	1 10	16 43	0 45	18 10	1 45	16 44	0 22	10 26	0 48	5 40	17 9	17 26	17 43	3 56	2 4	2 48
W17	2 35	11 0	5 5	8 22	1 51	12 2	1 9	18 25	1 11	16 46	0 45	18 12	1 45	16 44	0 22	10 25	0 48	5 41	17 9	17 24	17 42	3 54	2 7	2 48
T 18	2 11	7 17	5 0	7 40	1 51	11 37	1 11	18 16	1 11	16 49	0 45	18 13	1 45	16 43	0 22	10 24	0 48	5 41	17 9	17 21	17 42	3 52	2 11	2 48
F 19	1 48	3 17	4 43	6 57	1 51	11 11	1 12	18 5	1 12	16 52	0 45	18 14	1 44	16 43	0 22	10 23	0 48	5 42	17 9	17 18	17 41	3 49	2 14	2 48
S 20	1 25	0n50	4 13	6 13	1 50	10 46	1 14	17 55	1 12	16 55	0 45	18 15	1 44	16 43	0 22	10 23	0 48	5 42	17 10	17 15	17 40	3 47	2 17	2 47
S 21	1 1	4 57	3 32	5 28	1 48	10 20	1 15	17 45	1 13	16 58	0 45	18 16	1 44	16 42	0 22	10 22	0 48	5 43	17 10	17 13	17 39	3 45	2 20	2 47
M22	0 38	8 54	2 41	4 42	1 46	9 53	1 17	17 35	1 13	17 1	0 44	18 17	1 44	16 42	0 22	10 21	0 48	5 43	17 10	17 11	17 38	3 43	2 24	2 47
T 23	0 14	12 31	1 42	3 56	1 43	9 27	1 18	17 24	1 14	17 4	0 44	18 18	1 44	16 42	0 22	10 20	0 48	5 44	17 10	17 10	17 37	3 41	2 27	2 46
W24	0s 9	15 39	0 38	3 10	1 40	9 0	1 19	17 14	1 14	17 7	0 44	18 20	1 43	16 41	0 22	10 20	0 48	5 44	17 10	17 9	17 36	3 38	2 30	2 46
T 25	0 33	18 7	0s29	2 23	1 36	8 33	1 20	17 3	1 15	17 10	0 44	18 21	1 43	16 41	0 22	10 19	0 48	5 45	17 10	17 9	17 36	3 36	2 33	2 46
F 26	0 56	19 44	1 36	1 36	1 32	8 5	1 21	16 52	1 16	17 13	0 44	18 22	1 43	16 40	0 22	10 18	0 48	5 45	17 11	17 10	17 35	3 34	2 37	2 46
S 27	1 20	20 21	2 39	0 49	1 27	7 38	1 23	16 42	1 16	17 16	0 44	18 23	1 43	16 40	0 22	10 18	0 48	5 46	17 11	17 10	17 34	3 32	2 40	2 45
S 28	1 43	19 52	3 36	0 3	1 23	7 10	1 23	16 31	1 17	17 19	0 43	18 25	1 43	16 39	0 22	10 17	0 48	5 46	17 11	17 10	17 33	3 29	2 43	2 45
M29	2 7	18 14	4 23	0s44	1 18	6 41	1 24	16 20	1 17	17 22	0 43	18 26	1 43	16 39	0 22	10 16	0 48	5 47	17 11	17 10	17 32	3 27	2 46	2 45
T 30	2s30	15n29	4s55	1s31	1n12	6n13	1n25	16n 9	1n18	17s25	0n43	18s27	1n42	16n38	0s22	10n15	0n48	5s47	17s11	17s 9	17s31	3s25	2s50	2s45

Julian Day Number = 2306786.5, Delta T = 84.09 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'32, Lahiri = 18°19'32Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

OCTOBER 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 36 49	7♎16'22	14♌ 0	8♎20	18♍50	20♌23	21♏26	29♏44	17°R 6	5♍32	26°R32	17°R41	19♏ 0	10♓ 1	0♎56	W 1
T 2	0 40 46	8°15'36	28°48	10° 3	20° 5	20°59	21°38	29°49	17♉ 5	5°34	26♈31	17♏35	18°57	10° 7	1° 5	T 2
F 3	0 44 42	9°14'52	13♍49	11°46	21°19	21°36	21°49	29°55	17° 3	5°36	26°30	17°29	18°54	10°14	1°14	F 3
S 4	0 48 39	10°14'11	28°56	13°28	22°34	22°12	22° 0	29°59	17° 1	5°38	26°29	17°24	18°50	10°21	1°22	S 4
S 5	0 52 36	11°13'32	13♎59	15°10	23°48	22°49	22°12	0♐ 5	16°59	5°40	26°28	17°19	18°47	10°27	1°31	S 5
M 6	0 56 32	12°12'55	28°48	16°50	25° 3	23°25	22°24	0°11	16°57	5°42	26°26	17°16	18°44	10°34	1°40	M 6
T 7	1 0 29	13°12'20	13♏17	18°30	26°18	24° 1	22°35	0°16	16°55	5°44	26°25	17°D15	18°41	10°41	1°49	T 7
W 8	1 4 25	14°11'47	27°19	20° 9	27°33	24°37	22°47	0°22	16°53	5°46	26°24	17°15	18°38	10°48	1°57	W 8
T 9	1 8 22	15°11'16	10♐55	21°48	28°47	25°13	22°59	0°27	16°51	5°47	26°23	17°17	18°35	10°54	2° 6	T 9
F 10	1 12 18	16°10'46	24° 4	23°25	0♎ 2	25°49	23°11	0°33	16°49	5°49	26°22	17°18	18°31	11° 1	2°15	F 10
S 11	1 16 15	17°10'19	6♑50	25° 2	1°17	26°25	23°23	0°39	16°47	5°51	26°21	17°20	18°28	11° 8	2°23	S 11
S 12	1 20 11	18° 9'53	19°16	26°39	2°32	27° 1	23°35	0°45	16°45	5°53	26°20	17°R20	18°25	11°14	2°32	S 12
M13	1 24 8	19° 9'29	1♒27	28°15	3°47	27°37	23°47	0°50	16°43	5°54	26°19	17°19	18°22	11°21	2°41	M13
T 14	1 28 5	20° 9'06	13°28	29°50	5° 2	28°13	23°59	0°56	16°41	5°56	26°17	17°17	18°19	11°28	2°49	T 14
W15	1 32 1	21° 8'46	25°22	1♏24	6°16	28°49	24°11	1° 2	16°39	5°58	26°16	17°14	18°15	11°34	2°58	W15
T 16	1 35 58	22° 8'27	7♓13	2°58	7°31	29°24	24°24	1° 8	16°36	6° 0	26°15	17°10	18°12	11°41	3° 7	T 16
F 17	1 39 54	23° 8'10	19° 6	4°31	8°46	0♍ 0	24°36	1°14	16°34	6° 1	26°14	17° 6	18° 9	11°48	3°15	F 17
S 18	1 43 51	24° 7'54	1♈ 2	6° 4	10° 1	0°36	24°48	1°20	16°32	6° 3	26°13	17° 2	18° 6	11°55	3°24	S 18
S 19	1 47 47	25° 7'41	13° 5	7°36	11°16	1°11	25° 1	1°26	16°30	6° 4	26°12	16°58	18° 3	12° 1	3°32	S 19
M20	1 51 44	26° 7'30	25°15	9° 8	12°31	1°47	25°13	1°33	16°27	6° 6	26°11	16°56	18° 0	12° 8	3°41	M20
T 21	1 55 40	27° 7'20	7♉34	10°39	13°46	2°22	25°26	1°39	16°25	6° 8	26°10	16°55	17°56	12°15	3°49	T 21
W22	1 59 37	28° 7'13	20° 4	12° 9	15° 2	2°57	25°38	1°45	16°23	6° 9	26° 8	16°D54	17°53	12°21	3°57	W22
T 23	2 3 34	29° 7'08	2♊45	13°39	16°17	3°33	25°51	1°51	16°20	6°11	26° 7	16°55	17°50	12°28	4° 6	T 23
F 24	2 7 30	0♏ 7'05	15°38	15° 9	17°32	4° 8	26° 4	1°58	16°18	6°12	26° 6	16°56	17°47	12°35	4°14	F 24
S 25	2 11 27	1° 7'04	28°46	16°38	18°47	4°43	26°16	2° 4	16°16	6°14	26° 5	16°58	17°44	12°42	4°22	S 25
S 26	2 15 23	2° 7'05	12♋ 9	18° 6	20° 2	5°18	26°29	2°10	16°13	6°15	26° 4	16°59	17°41	12°48	4°31	S 26
M27	2 19 20	3° 7'08	25°49	19°34	21°17	5°53	26°42	2°17	16°11	6°16	26° 3	16°59	17°37	12°55	4°39	M27
T 28	2 23 16	4° 7'14	9♌45	21° 1	22°32	6°28	26°55	2°23	16° 8	6°18	26° 2	16°R59	17°34	13° 2	4°47	T 28
W29	2 27 13	5° 7'21	23°57	22°28	23°48	7° 3	27° 8	2°30	16° 6	6°19	26° 0	16°59	17°31	13° 8	4°55	W29
T 30	2 31 9	6° 7'31	8♍23	23°54	25° 3	7°38	27°21	2°36	16° 4	6°21	25°59	16°58	17°28	13°15	5° 3	T 30
F 31	2 35 6	7♏ 7'43	23♍ 0	25♏19	26♎18	8♍12	27♏34	2♐43	16♉ 1	6♍22	25♈58	16♏57	17♏25	13♓22	5♎11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2s54	11n43	5s 9	2s17	1n 7	5n45	1n26	15n58	1n18	17s28	0n43	18s28	1n42	16n38	0s22	10n15	0n48	5s47	17s11	17s 8	17s30	3s23	2s53	2s44
T 2	3 17	7 10	5 4	3 4	1 1	5 16	1 27	15 46	1 19	17 31	0 43	18 30	1 42	16 37	0 22	10 14	0 48	5 48	17 11	17 7	17 29	3 21	2 56	2 44
F 3	3 40	2 6	4 38	3 49	0 55	4 47	1 27	15 35	1 19	17 34	0 43	18 31	1 42	16 37	0 22	10 13	0 48	5 48	17 11	17 5	17 29	3 18	3 0	2 44
S 4	4 4	3s 8	3 53	4 35	0 49	4 18	1 28	15 24	1 20	17 37	0 43	18 32	1 42	16 36	0 22	10 13	0 48	5 49	17 11	17 4	17 28	3 16	3 3	2 44
S 5	4 27	8 9	2 51	5 20	0 42	3 49	1 28	15 12	1 20	17 40	0 42	18 33	1 41	16 36	0 22	10 12	0 48	5 49	17 12	17 2	17 27	3 14	3 6	2 43
M 6	4 50	12 37	1 39	6 5	0 36	3 20	1 29	15 1	1 21	17 44	0 42	18 35	1 41	16 35	0 22	10 11	0 48	5 50	17 12	17 2	17 26	3 12	3 10	2 43
T 7	5 13	16 12	0 22	6 49	0 29	2 50	1 29	14 49	1 21	17 47	0 42	18 36	1 41	16 35	0 22	10 11	0 48	5 50	17 12	17 1	17 25	3 10	3 13	2 43
W 8	5 37	18 43	0n55	7 33	0 23	2 21	1 29	14 38	1 22	17 50	0 42	18 37	1 41	16 34	0 22	10 10	0 48	5 51	17 12	17 1	17 24	3 7	3 16	2 43
T 9	6 0	20 3	2 6	8 16	0 16	1 51	1 30	14 26	1 22	17 53	0 42	18 39	1 41	16 34	0 22	10 9	0 48	5 51	17 12	17 2	17 23	3 5	3 19	2 43
F 10	6 23	20 14	3 8	8 58	0 9	1 22	1 30	14 14	1 23	17 56	0 42	18 40	1 41	16 33	0 22	10 9	0 48	5 51	17 12	17 2	17 22	3 3	3 23	2 42
S 11	6 45	19 20	3 59	9 40	0 2	0 52	1 30	14 2	1 23	17 59	0 42	18 41	1 41	16 32	0 22	10 8	0 48	5 52	17 12	17 2	17 22	3 1	3 26	2 42
S 12	7 8	17 32	4 37	10 22	0s 4	0 22	1 30	13 51	1 24	18 2	0 41	18 43	1 40	16 32	0 22	10 7	0 48	5 52	17 12	17 3	17 21	2 58	3 29	2 42
M13	7 31	14 58	5 2	11 3	0 11	0s 8	1 30	13 39	1 24	18 5	0 41	18 44	1 40	16 31	0 22	10 7	0 48	5 53	17 12	17 2	17 20	2 56	3 32	2 42
T 14	7 54	11 49	5 13	11 43	0 18	0 38	1 30	13 27	1 25	18 9	0 41	18 45	1 40	16 31	0 22	10 6	0 48	5 53	17 12	17 2	17 19	2 54	3 36	2 42
W15	8 16	8 13	5 10	12 23	0 25	1 8	1 29	13 15	1 26	18 12	0 41	18 47	1 40	16 30	0 22	10 6	0 48	5 54	17 12	17 1	17 18	2 52	3 39	2 41
T 16	8 38	4 19	4 55	13 1	0 32	1 38	1 29	13 3	1 26	18 15	0 41	18 48	1 40	16 29	0 22	10 5	0 48	5 54	17 12	17 0	17 17	2 50	3 42	2 41
F 17	9 1	0 14	4 26	13 40	0 39	2 7	1 29	12 51	1 27	18 18	0 41	18 50	1 40	16 29	0 22	10 4	0 48	5 54	17 12	16 59	17 16	2 47	3 45	2 41
S 18	9 23	3n52	3 46	14 17	0 45	2 37	1 28	12 39	1 27	18 21	0 41	18 51	1 39	16 28	0 22	10 4	0 49	5 55	17 12	16 57	17 15	2 45	3 49	2 41
S 19	9 45	7 52	2 56	14 54	0 52	3 7	1 28	12 26	1 28	18 24	0 40	18 52	1 39	16 27	0 22	10 3	0 49	5 55	17 12	16 56	17 15	2 43	3 52	2 41
M20	10 6	11 36	1 57	15 30	0 58	3 37	1 27	12 14	1 28	18 27	0 40	18 54	1 39	16 27	0 22	10 3	0 49	5 56	17 12	16 56	17 14	2 41	3 55	2 41
T 21	10 28	14 52	0 51	16 5	1 5	4 7	1 27	12 2	1 29	18 31	0 40	18 55	1 39	16 26	0 22	10 2	0 49	5 56	17 12	16 55	17 13	2 39	3 58	2 40
W22	10 50	17 31	0s17	16 39	1 11	4 36	1 26	11 50	1 29	18 34	0 40	18 56	1 39	16 25	0 22	10 2	0 49	5 56	17 12	16 55	17 12	2 36	4 1	2 40
T 23	11 11	19 20	1 26	17 12	1 18	5 6	1 25	11 37	1 30	18 37	0 40	18 58	1 39	16 25	0 22	10 1	0 49	5 57	17 12	16 55	17 11	2 34	4 5	2 40
F 24	11 32	20 11	2 32	17 45	1 24	5 35	1 25	11 25	1 30	18 40	0 40	18 59	1 39	16 24	0 22	10 1	0 49	5 57	17 12	16 56	17 10	2 32	4 8	2 40
S 25	11 53	19 58	3 31	18 17	1 30	6 5	1 24	11 13	1 31	18 43	0 40	19 1	1 39	16 23	0 22	10 0	0 49	5 57	17 12	16 56	17 9	2 30	4 11	2 40
S 26	12 14	18 37	4 20	18 48	1 36	6 34	1 23	11 0	1 31	18 46	0 40	19 2	1 38	16 23	0 22	10 0	0 49	5 58	17 12	16 57	17 8	2 28	4 14	2 40
M27	12 35	16 11	4 55	19 17	1 42	7 3	1 22	10 48	1 32	18 49	0 39	19 3	1 38	16 22	0 22	9 59	0 49	5 58	17 12	16 57	17 7	2 25	4 17	2 39
T 28	12 55	12 48	5 14	19 46	1 47	7 32	1 21	10 35	1 32	18 52	0 39	19 5	1 38	16 21	0 22	9 59	0 49	5 58	17 12	16 57	17 7	2 23	4 20	2 39
W29	13 15	8 37	5 14	20 14	1 53	8 1	1 20	10 23	1 33	18 55	0 39	19 6	1 38	16 21	0 22	9 58	0 49	5 59	17 12	16 57	17 6	2 21	4 24	2 39
T 30	13 35	3 53	4 55	20 41	1 58	8 30	1 19	10 10	1 33	18 58	0 39	19 7	1 38	16 20	0 22	9 58	0 49	5 59	17 12	16 56	17 5	2 19	4 27	2 39
F 31	13s55	1s 8	4s16	21s 7	2s 3	8s58	1n17	9n58	1n34	19s 1	0n39	19s 9	1n38	16n19	0s22	9n57	0n49	5s59	17s12	16s56	17s 4	2s17	4s30	2s39

Julian Day Number = 2306816.5, Delta T = 83.99 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'36, Lahiri = 18°19'37Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

NOVEMBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 39 2	8♏ 7'57	7♎42	26♏44	27♎34	8♍47	27♏47	2♐50	15°R59	6♍23	25°R57	16°R56	17♏21	13♓29	5♎19	S 1
S 2	2 42 59	9° 8'13	22°22	28° 8	28°49	9°22	28° 0	2°56	15♉56	6°24	25♈56	16♏55	17°18	13°35	5°27	S 2
M 3	2 46 56	10° 8'30	6♏55	29°31	0♏ 4	9°56	28°13	3° 3	15°54	6°26	25°55	16°54	17°15	13°42	5°35	M 3
T 4	2 50 52	11° 8'50	21°13	0♐53	1°19	10°31	28°26	3°10	15°51	6°27	25°54	16°D54	17°12	13°49	5°43	T 4
W 5	2 54 49	12° 9'11	5♐11	2°14	2°35	11° 5	28°39	3°17	15°49	6°28	25°53	16°54	17° 9	13°55	5°51	W 5
T 6	2 58 45	13° 9'34	18°47	3°34	3°50	11°39	28°52	3°23	15°46	6°29	25°52	16°55	17° 6	14° 2	5°59	T 6
F 7	3 2 42	14° 9'59	2♑ 0	4°53	5° 6	12°14	29° 5	3°30	15°44	6°30	25°51	16°55	17° 2	14° 9	6° 7	F 7
S 8	3 6 38	15°10'25	14°51	6°11	6°21	12°48	29°19	3°37	15°41	6°31	25°50	16°55	16°59	14°16	6°14	S 8
S 9	3 10 35	16°10'52	27°21	7°27	7°36	13°22	29°32	3°44	15°39	6°32	25°48	16°56	16°56	14°22	6°22	S 9
M10	3 14 32	17°11'20	9♒35	8°41	8°52	13°56	29°45	3°51	15°36	6°33	25°47	16°56	16°53	14°29	6°29	M10
T 11	3 18 28	18°11'50	21°37	9°54	10° 7	14°29	29°59	3°58	15°34	6°34	25°46	16°56	16°50	14°36	6°37	T 11
W12	3 22 25	19°12'22	3♓31	11° 4	11°22	15° 3	0♐12	4° 4	15°31	6°35	25°45	16°56	16°47	14°42	6°44	W12
T 13	3 26 21	20°12'54	15°23	12°12	12°38	15°37	0°25	4°11	15°29	6°36	25°44	16°56	16°43	14°49	6°52	T 13
F 14	3 30 18	21°13'28	27°16	13°18	13°53	16°11	0°39	4°18	15°26	6°37	25°43	16°56	16°40	14°56	6°59	F 14
S 15	3 34 14	22°14'03	9♈15	14°20	15° 9	16°44	0°52	4°25	15°24	6°38	25°42	16°57	16°37	15° 2	7° 6	S 15
S 16	3 38 11	23°14'39	21°23	15°19	16°24	17°17	1° 5	4°32	15°21	6°39	25°41	16°57	16°34	15° 9	7°14	S 16
M17	3 42 7	24°15'17	3♉43	16°14	17°40	17°51	1°19	4°39	15°19	6°39	25°40	16°58	16°31	15°16	7°21	M17
T 18	3 46 4	25°15'56	16°17	17° 4	18°55	18°24	1°32	4°46	15°16	6°40	25°39	16°R58	16°27	15°23	7°28	T 18
W19	3 50 0	26°16'36	29° 6	17°49	20°11	18°57	1°46	4°53	15°14	6°41	25°38	16°58	16°24	15°29	7°35	W19
T 20	3 53 57	27°17'18	12♊ 9	18°28	21°26	19°30	1°59	5° 0	15°11	6°41	25°37	16°57	16°21	15°36	7°42	T 20
F 21	3 57 54	28°18'02	25°28	19° 1	22°41	20° 3	2°13	5° 7	15° 9	6°42	25°36	16°56	16°18	15°43	7°49	F 21
S 22	4 1 50	29°18'47	8♋59	19°27	23°57	20°36	2°26	5°14	15° 7	6°43	25°36	16°54	16°15	15°49	7°55	S 22
S 23	4 5 47	0♐19'33	22°42	19°45	25°12	21° 9	2°40	5°21	15° 4	6°43	25°35	16°53	16°12	15°56	8° 2	S 23
M24	4 9 43	1°20'20	6♌35	19°R54	26°28	21°42	2°53	5°28	15° 2	6°44	25°34	16°51	16° 8	16° 3	8° 9	M24
T 25	4 13 40	2°21'10	20°36	19°53	27°43	22°14	3° 7	5°36	14°59	6°44	25°33	16°50	16° 5	16°10	8°15	T 25
W26	4 17 36	3°22'00	4♍44	19°42	28°59	22°47	3°20	5°43	14°57	6°45	25°32	16°D50	16° 2	16°16	8°22	W26
T 27	4 21 33	4°22'52	18°56	19°20	0♐14	23°19	3°34	5°50	14°55	6°45	25°31	16°50	15°59	16°23	8°28	T 27
F 28	4 25 29	5°23'46	3♎10	18°47	1°30	23°51	3°47	5°57	14°52	6°46	25°30	16°51	15°56	16°30	8°35	F 28
S 29	4 29 26	6°24'41	17°24	18° 3	2°45	24°23	4° 1	6° 4	14°50	6°46	25°29	16°53	15°52	16°36	8°41	S 29
S 30	4 33 23	7♐25'37	1♏35	17♐ 8	4♐ 1	24♍55	4♐14	6♐11	14♉48	6♍46	25♈29	16♏54	15♏49	16♓43	8♎47	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s15	6s 8	3s21	21s32	2s 7	9s26	1n16	9n45	1n35	19s 4	0n39	19s10	1n38	16n19	0s22	9n57	0n49	6s 0	17s11	16s56	17s 3	2s14	4s33	2s39
S 2	14 34	10 46	2 12	21 56	2 12	9 55	1 15	9 33	1 35	19 7	0 39	19 12	1 38	16 18	0 22	9 56	0 49	6 0	17 11	16 55	17 2	2 12	4 36	2 39
M 3	14 53	14 43	0 55	22 18	2 16	10 22	1 13	9 20	1 36	19 10	0 39	19 13	1 37	16 17	0 22	9 56	0 49	6 0	17 11	16 55	17 1	2 10	4 39	2 38
T 4	15 12	17 43	0n24	22 40	2 20	10 50	1 12	9 7	1 36	19 13	0 39	19 14	1 37	16 16	0 22	9 55	0 49	6 0	17 11	16 55	17 0	2 8	4 42	2 38
W 5	15 31	19 34	1 40	23 0	2 24	11 17	1 11	8 55	1 37	19 16	0 39	19 16	1 37	16 16	0 22	9 55	0 49	6 1	17 11	16 55	16 59	2 6	4 45	2 38
T 6	15 49	20 14	2 48	23 19	2 27	11 44	1 9	8 42	1 37	19 19	0 38	19 17	1 37	16 15	0 22	9 55	0 49	6 1	17 11	16 55	16 58	2 3	4 48	2 38
F 7	16 7	19 43	3 45	23 36	2 30	12 11	1 7	8 30	1 38	19 22	0 38	19 19	1 37	16 14	0 22	9 54	0 49	6 1	17 11	16 55	16 58	2 1	4 51	2 38
S 8	16 25	18 12	4 29	23 53	2 32	12 38	1 6	8 17	1 38	19 25	0 38	19 20	1 37	16 14	0 22	9 54	0 49	6 2	17 11	16 56	16 57	1 59	4 54	2 38
S 9	16 43	15 50	4 59	24 8	2 34	13 4	1 4	8 4	1 39	19 28	0 38	19 21	1 37	16 13	0 22	9 54	0 49	6 2	17 10	16 56	16 56	1 57	4 57	2 38
M10	17 0	12 50	5 15	24 21	2 35	13 30	1 2	7 52	1 39	19 31	0 38	19 23	1 37	16 12	0 22	9 53	0 49	6 2	17 10	16 56	16 55	1 55	5 0	2 38
T 11	17 17	9 20	5 16	24 33	2 36	13 55	1 1	7 39	1 40	19 34	0 38	19 24	1 37	16 11	0 22	9 53	0 49	6 2	17 10	16 56	16 54	1 52	5 3	2 38
W12	17 34	5 30	5 4	24 44	2 37	14 21	0 59	7 27	1 40	19 37	0 38	19 25	1 37	16 11	0 22	9 53	0 49	6 2	17 10	16 56	16 53	1 50	5 5	2 38
T 13	17 50	1 29	4 39	24 53	2 36	14 45	0 57	7 14	1 41	19 40	0 38	19 27	1 36	16 10	0 22	9 52	0 49	6 3	17 10	16 56	16 52	1 48	5 8	2 37
F 14	18 6	2n37	4 2	25 1	2 36	15 10	0 55	7 1	1 42	19 43	0 38	19 28	1 36	16 9	0 21	9 52	0 49	6 3	17 10	16 56	16 51	1 46	5 11	2 37
S 15	18 22	6 39	3 14	25 7	2 34	15 34	0 53	6 49	1 42	19 46	0 38	19 30	1 36	16 9	0 21	9 52	0 49	6 3	17 10	16 56	16 50	1 44	5 14	2 37
S 16	18 37	10 29	2 17	25 11	2 31	15 58	0 51	6 36	1 43	19 49	0 37	19 31	1 36	16 8	0 21	9 51	0 50	6 3	17 9	16 56	16 49	1 42	5 17	2 37
M17	18 52	13 55	1 13	25 14	2 28	16 21	0 49	6 24	1 43	19 51	0 37	19 32	1 36	16 7	0 21	9 51	0 50	6 3	17 9	16 56	16 48	1 39	5 19	2 37
T 18	19 7	16 48	0 4	25 15	2 24	16 44	0 47	6 11	1 44	19 54	0 37	19 34	1 36	16 6	0 21	9 51	0 50	6 4	17 9	16 56	16 48	1 37	5 22	2 37
W19	19 22	18 55	1s 7	25 14	2 19	17 6	0 45	5 59	1 44	19 57	0 37	19 35	1 36	16 6	0 21	9 51	0 50	6 4	17 9	16 56	16 47	1 35	5 25	2 37
T 20	19 36	20 4	2 15	25 11	2 12	17 28	0 43	5 46	1 45	20 0	0 37	19 36	1 36	16 5	0 21	9 51	0 50	6 4	17 9	16 56	16 46	1 33	5 28	2 37
F 21	19 49	20 7	3 17	25 6	2 5	17 49	0 41	5 34	1 45	20 3	0 37	19 38	1 36	16 4	0 21	9 50	0 50	6 4	17 8	16 56	16 45	1 31	5 30	2 37
S 22	20 3	19 2	4 10	25 0	1 56	18 10	0 39	5 21	1 46	20 5	0 37	19 39	1 36	16 4	0 21	9 50	0 50	6 4	17 8	16 55	16 44	1 28	5 33	2 37
S 23	20 16	16 50	4 49	24 51	1 46	18 31	0 36	5 9	1 47	20 8	0 37	19 40	1 36	16 3	0 21	9 50	0 50	6 4	17 8	16 55	16 43	1 26	5 36	2 37
M24	20 28	13 39	5 11	24 40	1 34	18 51	0 34	4 56	1 47	20 11	0 37	19 41	1 36	16 2	0 21	9 50	0 50	6 4	17 8	16 54	16 42	1 24	5 38	2 37
T 25	20 40	9 40	5 15	24 27	1 21	19 10	0 32	4 44	1 48	20 13	0 37	19 43	1 36	16 2	0 21	9 50	0 50	6 4	17 8	16 54	16 41	1 22	5 41	2 37
W26	20 52	5 7	5 1	24 12	1 7	19 29	0 30	4 32	1 48	20 16	0 37	19 44	1 36	16 1	0 21	9 50	0 50	6 4	17 7	16 54	16 40	1 20	5 43	2 36
T 27	21 4	0 17	4 28	23 54	0 51	19 48	0 27	4 19	1 49	20 19	0 37	19 45	1 36	16 0	0 21	9 49	0 50	6 5	17 7	16 54	16 39	1 18	5 46	2 36
F 28	21 15	4s36	3 39	23 34	0 33	20 6	0 25	4 7	1 49	20 21	0 36	19 47	1 35	16 0	0 21	9 49	0 50	6 5	17 7	16 54	16 38	1 15	5 48	2 36
S 29	21 25	9 14	2 36	23 12	0 15	20 23	0 23	3 55	1 50	20 24	0 36	19 48	1 35	15 59	0 21	9 49	0 50	6 5	17 7	16 55	16 37	1 13	5 51	2 36
S 30	21s36	13s21	1s24	22s47	0n 5	20s39	0n21	3n43	1n51	20s26	0n36	19s49	1n35	15n58	0s21	9n49	0n50	6s 5	17s 6	16s55	16s37	1s11	5s53	2s36

Julian Day Number = 2306847.5, Delta T = 83.88 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'40, Lahiri = 18°19'41Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1603
geocentric

DECEMBER 1603 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 37 19	8♐26'35	15♏39	16°R 4	5♐16	25♍27	4♐28	6♐18	14°R46	6♍47	25°R28	16°R54	15♏46	16♓50	8♎53	M 1
T 2	4 41 16	9°27'33	29°34	14♐51	6°32	25°59	4°41	6°25	14♉43	6°47	25♈27	16♏54	15°43	16°56	8°59	T 2
W 3	4 45 12	10°28'33	13♐16	13°33	7°48	26°31	4°55	6°32	14°41	6°47	25°26	16°52	15°40	17° 3	9° 5	W 3
T 4	4 49 9	11°29'34	26°41	12°11	9° 3	27° 2	5° 8	6°39	14°39	6°47	25°26	16°49	15°37	17°10	9°11	T 4
F 5	4 53 5	12°30'35	9♉48	10°48	10°19	27°33	5°21	6°46	14°37	6°48	25°25	16°45	15°33	17°17	9°17	F 5
S 6	4 57 2	13°31'37	22°37	9°27	11°34	28° 5	5°35	6°53	14°35	6°48	25°24	16°41	15°30	17°23	9°23	S 6
S 7	5 0 59	14°32'40	5♒ 8	8°10	12°50	28°36	5°48	7° 0	14°33	6°48	25°23	16°36	15°27	17°30	9°28	S 7
M 8	5 4 55	15°33'44	17°23	7° 1	14° 5	29° 7	6° 2	7° 7	14°31	6°48	25°23	16°32	15°24	17°37	9°34	M 8
T 9	5 8 52	16°34'47	29°26	6° 1	15°21	29°38	6°15	7°14	14°29	6°R48	25°22	16°29	15°21	17°43	9°39	T 9
W10	5 12 48	17°35'52	11♓21	5°10	16°36	0♎ 8	6°29	7°21	14°27	6°48	25°21	16°28	15°18	17°50	9°45	W10
T 11	5 16 45	18°36'56	23°12	4°31	17°52	0°39	6°42	7°28	14°25	6°48	25°21	16°D28	15°14	17°57	9°50	T 11
F 12	5 20 41	19°38'02	5♈ 4	4° 2	19° 7	1° 9	6°55	7°35	14°23	6°48	25°20	16°29	15°11	18° 3	9°55	F 12
S 13	5 24 38	20°39'07	17° 3	3°45	20°23	1°40	7° 9	7°42	14°21	6°48	25°20	16°31	15° 8	18°10	10° 0	S 13
S 14	5 28 34	21°40'13	29°13	3°D38	21°38	2°10	7°22	7°49	14°19	6°48	25°19	16°32	15° 5	18°17	10° 5	S 14
M15	5 32 31	22°41'19	11♉38	3°41	22°54	2°40	7°35	7°56	14°17	6°47	25°18	16°R33	15° 2	18°24	10°10	M15
T 16	5 36 28	23°42'25	24°22	3°53	24° 9	3°10	7°49	8° 3	14°15	6°47	25°18	16°33	14°58	18°30	10°15	T 16
W17	5 40 24	24°43'32	7♊27	4°14	25°25	3°39	8° 2	8°10	14°14	6°47	25°17	16°31	14°55	18°37	10°19	W17
T 18	5 44 21	25°44'39	20°52	4°42	26°40	4° 9	8°15	8°17	14°12	6°47	25°17	16°27	14°52	18°44	10°24	T 18
F 19	5 48 17	26°45'47	4♋37	5°17	27°56	4°38	8°28	8°24	14°10	6°46	25°16	16°22	14°49	18°50	10°28	F 19
S 20	5 52 14	27°46'55	18°38	5°59	29°11	5° 7	8°41	8°31	14° 9	6°46	25°16	16°15	14°46	18°57	10°33	S 20
S 21	5 56 10	28°48'03	2♌50	6°46	0♉27	5°36	8°55	8°37	14° 7	6°46	25°16	16° 8	14°43	19° 4	10°37	S 21
M22	6 0 7	29°49'12	17° 9	7°37	1°42	6° 5	9° 8	8°44	14° 6	6°45	25°15	16° 1	14°39	19°10	10°41	M22
T 23	6 4 3	0♉50'21	1♍29	8°33	2°58	6°34	9°21	8°51	14° 4	6°45	25°15	15°56	14°36	19°17	10°45	T 23
W24	6 8 0	1°51'31	15°46	9°33	4°13	7° 3	9°34	8°58	14° 3	6°44	25°14	15°53	14°33	19°24	10°49	W24
T 25	6 11 57	2°52'41	29°57	10°36	5°29	7°31	9°47	9° 4	14° 1	6°44	25°14	15°D52	14°30	19°31	10°53	T 25
F 26	6 15 53	3°53'51	14♎ 1	11°42	6°44	7°59	10° 0	9°11	14° 0	6°43	25°14	15°52	14°27	19°37	10°57	F 26
S 27	6 19 50	4°55'02	27°56	12°51	8° 0	8°27	10°13	9°18	13°59	6°43	25°13	15°53	14°24	19°44	11° 0	S 27
S 28	6 23 46	5°56'14	11♏42	14° 2	9°15	8°55	10°26	9°24	13°57	6°42	25°13	15°R54	14°20	19°51	11° 4	S 28
M29	6 27 43	6°57'25	25°19	15°15	10°31	9°22	10°38	9°31	13°56	6°42	25°13	15°54	14°17	19°57	11° 7	M29
T 30	6 31 39	7°58'37	8♐46	16°30	11°46	9°50	10°51	9°37	13°55	6°41	25°13	15°51	14°14	20° 4	11°11	T 30
W31	6 35 36	8♉59'49	22♐ 3	17♐46	13♉ 2	10♎17	11♐ 4	9♐44	13♉54	6♍40	25♈12	15♏46	14♏11	20♓11	11♎14	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	21s45	16s40	0s 7	22s21	0n25	20s56	0n18	3n31	1n51	20s29	0n36	19s50	1n35	15n58	0s21	9n49	0n50	6s 5	17s 6	16s55	16s36	1s 9	5s55	2s36
T 2	21 55	18 58	1n 9	21 53	0 45	21 11	0 16	3 18	1 52	20 32	0 36	19 52	1 35	15 57	0 21	9 49	0 50	6 5	17 6	16 55	16 35	1 7	5 58	2 36
W 3	22 4	20 7	2 20	21 23	1 5	21 26	0 13	3 6	1 52	20 34	0 36	19 53	1 35	15 56	0 21	9 49	0 50	6 5	17 6	16 55	16 34	1 4	6 0	2 36
T 4	22 12	20 5	3 21	20 54	1 25	21 40	0 11	2 54	1 53	20 37	0 36	19 54	1 35	15 56	0 21	9 49	0 50	6 5	17 5	16 54	16 33	1 2	6 2	2 36
F 5	22 21	18 57	4 11	20 25	1 43	21 54	0 9	2 42	1 53	20 39	0 36	19 55	1 35	15 55	0 21	9 49	0 50	6 5	17 5	16 53	16 32	1 0	6 5	2 36
S 6	22 28	16 53	4 46	19 56	2 0	22 7	0 6	2 30	1 54	20 41	0 36	19 57	1 35	15 55	0 21	9 49	0 50	6 5	17 5	16 51	16 31	0 58	6 7	2 36
S 7	22 35	14 3	5 7	19 30	2 14	22 19	0 4	2 19	1 55	20 44	0 36	19 58	1 35	15 54	0 21	9 49	0 50	6 5	17 4	16 50	16 30	0 56	6 9	2 36
M 8	22 42	10 41	5 13	19 7	2 27	22 31	0 2	2 7	1 55	20 46	0 36	19 59	1 35	15 53	0 21	9 49	0 50	6 5	17 4	16 49	16 29	0 54	6 11	2 36
T 9	22 49	6 55	5 5	18 47	2 37	22 42	0s 1	1 55	1 56	20 49	0 36	20 0	1 35	15 53	0 21	9 49	0 50	6 5	17 4	16 48	16 28	0 51	6 13	2 36
W10	22 55	2 56	4 44	18 31	2 44	22 52	0 3	1 43	1 56	20 51	0 36	20 1	1 35	15 52	0 21	9 49	0 50	6 5	17 4	16 48	16 27	0 49	6 15	2 36
T 11	23 0	1n 8	4 11	18 18	2 50	23 2	0 6	1 32	1 57	20 53	0 36	20 2	1 35	15 52	0 21	9 49	0 50	6 5	17 3	16 48	16 26	0 47	6 17	2 36
F 12	23 5	5 11	3 27	18 10	2 53	23 11	0 8	1 20	1 58	20 56	0 36	20 4	1 35	15 51	0 21	9 49	0 51	6 5	17 3	16 48	16 25	0 45	6 19	2 36
S 13	23 10	9 5	2 34	18 5	2 55	23 19	0 10	1 9	1 58	20 58	0 35	20 5	1 35	15 51	0 21	9 49	0 51	6 4	17 3	16 48	16 25	0 43	6 21	2 36
S 14	23 14	12 40	1 33	18 4	2 54	23 26	0 13	0 57	1 59	21 0	0 35	20 6	1 35	15 50	0 21	9 49	0 51	6 4	17 2	16 49	16 24	0 41	6 23	2 36
M15	23 17	15 47	0 27	18 6	2 53	23 33	0 15	0 46	1 59	21 2	0 35	20 7	1 35	15 49	0 21	9 49	0 51	6 4	17 2	16 49	16 23	0 38	6 25	2 36
T 16	23 20	18 13	0s42	18 11	2 50	23 39	0 17	0 34	2 0	21 5	0 35	20 8	1 35	15 49	0 21	9 49	0 51	6 4	17 2	16 49	16 22	0 36	6 27	2 36
W17	23 23	19 46	1 51	18 19	2 46	23 44	0 20	0 23	2 1	21 7	0 35	20 9	1 35	15 48	0 21	9 49	0 51	6 4	17 1	16 49	16 21	0 34	6 29	2 36
T 18	23 25	20 15	2 56	18 29	2 41	23 49	0 22	0 12	2 1	21 9	0 35	20 10	1 35	15 48	0 21	9 50	0 51	6 4	17 1	16 48	16 20	0 32	6 31	2 36
F 19	23 27	19 34	3 51	18 41	2 35	23 53	0 24	0 1	2 2	21 11	0 35	20 11	1 35	15 48	0 21	9 50	0 51	6 4	17 1	16 46	16 19	0 30	6 32	2 36
S 20	23 28	17 40	4 34	18 55	2 29	23 56	0 27	0s10	2 2	21 13	0 35	20 12	1 35	15 47	0 21	9 50	0 51	6 4	17 0	16 44	16 18	0 28	6 34	2 36
S 21	23 29	14 41	5 1	19 9	2 22	23 58	0 29	0 21	2 3	21 15	0 35	20 13	1 35	15 47	0 21	9 50	0 51	6 3	17 0	16 42	16 17	0 26	6 36	2 36
M22	23 29	10 49	5 9	19 25	2 14	24 0	0 31	0 32	2 4	21 17	0 35	20 15	1 35	15 46	0 21	9 50	0 51	6 3	17 0	16 40	16 16	0 23	6 37	2 36
T 23	23 29	6 20	4 58	19 42	2 7	24 1	0 33	0 43	2 4	21 19	0 35	20 16	1 35	15 46	0 21	9 50	0 51	6 3	16 59	16 39	16 15	0 21	6 39	2 36
W24	23 29	1 30	4 28	19 58	1 59	24 1	0 36	0 53	2 5	21 21	0 35	20 17	1 35	15 45	0 21	9 51	0 51	6 3	16 59	16 38	16 14	0 19	6 40	2 36
T 25	23 27	3s23	3 42	20 16	1 50	24 0	0 38	1 4	2 5	21 23	0 35	20 18	1 35	15 45	0 21	9 51	0 51	6 3	16 59	16 37	16 13	0 17	6 42	2 36
F 26	23 26	8 3	2 43	20 33	1 42	23 59	0 40	1 15	2 6	21 25	0 35	20 19	1 35	15 45	0 21	9 51	0 51	6 2	16 58	16 37	16 12	0 15	6 43	2 36
S 27	23 24	12 15	1 35	20 50	1 34	23 57	0 42	1 25	2 7	21 27	0 35	20 20	1 35	15 44	0 21	9 51	0 51	6 2	16 58	16 38	16 11	0 13	6 45	2 35
S 28	23 21	15 44	0 23	21 7	1 25	23 54	0 44	1 35	2 7	21 29	0 35	20 21	1 35	15 44	0 21	9 52	0 51	6 2	16 58	16 38	16 10	0 10	6 46	2 35
M29	23 18	18 19	0n50	21 24	1 17	23 50	0 46	1 46	2 8	21 31	0 35	20 22	1 35	15 43	0 21	9 52	0 51	6 2	16 57	16 38	16 10	0 8	6 47	2 35
T 30	23 15	19 50	2 0	21 40	1 8	23 46	0 48	1 56	2 9	21 33	0 35	20 22	1 35	15 43	0 21	9 52	0 51	6 2	16 57	16 37	16 9	0 6	6 49	2 35
W31	23s11	20s14	3n 1	21s56	1n 0	23s41	0s50	2s 6	2n 9	21s35	0n35	20s23	1n35	15n43	0s21	9n52	0n51	6s 1	16s57	16s36	16s 8	0s 4	6s50	2s35

Julian Day Number = 2306877.5, Delta T = 83.78 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'44, Lahiri = 18°19'45Greg. Calendar