Astrodienst Ephemeris Tables

for the year 1615

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 1615
geocentric

JANUARY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 51	10♑21'06	27♑11	23°R37	26♐43	0°R51	19♏53	6♈58	2°R59	0♎53	5°R50	11°R21	11♈21	17♊43	3♒50	T 1
F 2	6 44 47	11°22'18	11♒58	23♑ 1	27°58	0♌31	20° 4	7° 1	2♍56	0°R53	5♉50	11♈11	11°18	17°50	3°54	F 2
S 3	6 48 44	12°23'29	26°19	22°14	29°14	0°10	20°14	7° 3	2°54	0°53	5°49	11° 3	11°15	17°57	3°59	S 3
S 4	6 52 41	13°24'40	10♓10	21°17	0♑29	29♍49	20°24	7° 6	2°51	0°53	5°49	10°58	11°12	18° 3	4° 3	S 4
M 5	6 56 37	14°25'50	23°31	20°11	1°44	29°27	20°35	7° 9	2°48	0°53	5°49	10°55	11° 9	18°10	4° 8	M 5
T 6	7 0 34	15°27'00	6♈25	18°59	3° 0	29° 5	20°45	7°12	2°46	0°52	5°48	10°54	11° 5	18°17	4°13	T 6
W 7	7 4 30	16°28'09	18°55	17°41	4°15	28°43	20°55	7°15	2°43	0°52	5°48	10°54	11° 2	18°23	4°17	W 7
T 8	7 8 27	17°29'17	1♉ 8	16°22	5°30	28°20	21° 5	7°18	2°41	0°52	5°48	10°54	10°59	18°30	4°22	T 8
F 9	7 12 23	18°30'24	13° 8	15° 3	6°46	27°57	21°15	7°21	2°38	0°52	5°47	10°51	10°56	18°37	4°27	F 9
S 10	7 16 20	19°31'31	25° 1	13°47	8° 1	27°33	21°24	7°24	2°36	0°52	5°47	10°47	10°53	18°44	4°31	S 10
S 11	7 20 16	20°32'37	6♊51	12°36	9°17	27°10	21°34	7°28	2°34	0°51	5°47	10°39	10°49	18°50	4°36	S 11
M12	7 24 13	21°33'43	18°41	11°32	10°32	26°46	21°44	7°31	2°31	0°51	5°47	10°28	10°46	18°57	4°41	M12
T 13	7 28 10	22°34'48	0♋35	10°35	11°47	26°22	21°53	7°35	2°29	0°51	5°47	10°16	10°43	19° 4	4°45	T 13
W14	7 32 6	23°35'52	12°34	9°47	13° 3	25°58	22° 2	7°38	2°26	0°50	5°47	10° 1	10°40	19°10	4°50	W14
T 15	7 36 3	24°36'55	24°40	9° 9	14°18	25°34	22°12	7°42	2°24	0°50	5°46	9°47	10°37	19°17	4°55	T 15
F 16	7 39 59	25°37'58	6♌53	8°39	15°33	25°10	22°21	7°46	2°22	0°49	5°46	9°34	10°34	19°24	5° 0	F 16
S 17	7 43 56	26°39'00	19°15	8°19	16°49	24°46	22°30	7°50	2°19	0°49	5°46	9°23	10°30	19°31	5° 4	S 17
S 18	7 47 52	27°40'01	1♍45	8° 8	18° 4	24°22	22°38	7°54	2°17	0°48	5°46	9°14	10°27	19°37	5° 9	S 18
M19	7 51 49	28°41'02	14°26	8°D 6	19°19	23°58	22°47	7°58	2°15	0°48	5°46	9° 9	10°24	19°44	5°14	M19
T 20	7 55 45	29°42'02	27°18	8°11	20°34	23°35	22°56	8° 2	2°13	0°47	5°D46	9° 6	10°21	19°51	5°19	T 20
W21	7 59 42	0♒43'01	10♎25	8°24	21°50	23°11	23° 4	8° 7	2°10	0°47	5°46	9°D 5	10°18	19°57	5°24	W21
T 22	8 3 39	1°44'00	23°48	8°43	23° 5	22°48	23°13	8°11	2° 8	0°46	5°46	9° 6	10°15	20° 4	5°28	T 22
F 23	8 7 35	2°44'58	7♏29	9° 9	24°20	22°26	23°21	8°15	2° 6	0°45	5°46	9°R 6	10°11	20°11	5°33	F 23
S 24	8 11 32	3°45'56	21°31	9°41	25°36	22° 3	23°29	8°20	2° 4	0°45	5°46	9° 5	10° 8	20°18	5°38	S 24
S 25	8 15 28	4°46'53	5♐52	10°17	26°51	21°42	23°37	8°25	2° 2	0°44	5°47	9° 1	10° 5	20°24	5°43	S 25
M26	8 19 25	5°47'49	20°32	10°59	28° 6	21°20	23°45	8°29	2° 0	0°43	5°47	8°55	10° 2	20°31	5°48	M26
T 27	8 23 21	6°48'45	5♑23	11°44	29°22	20°59	23°53	8°34	1°58	0°42	5°47	8°46	9°59	20°38	5°53	T 27
W28	8 27 18	7°49'39	20°20	12°34	0♒37	20°39	24° 0	8°39	1°56	0°42	5°47	8°37	9°55	20°44	5°57	W28
T 29	8 31 15	8°50'33	5♒12	13°27	1°52	20°19	24° 8	8°44	1°54	0°41	5°47	8°27	9°52	20°51	6° 2	T 29
F 30	8 35 11	9°51'25	19°51	14°24	3° 7	20° 0	24°15	8°49	1°52	0°40	5°47	8°18	9°49	20°58	6° 7	F 30
S 31	8 39 8	10♒52'16	4♓ 9	15♑23	4♒23	19♍41	24♏22	8♈54	1♍50	0♎39	5♉48	8♈11	9♈46	21♊ 5	6♒12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 5	25s29	4s49	20s20	1n 7	23s19	0n 8	23n54	3n59	16s48	0n59	0n29	2s29	23n45	0n18	0n57	1n25	1s46	16s 9	4n30	4n30	27n37	13s 2	6n29
F 2	23 0	21 22	4 18	20 7	1 26	23 23	0 6	24 0	4 1	16 51	0 59	0 31	2 29	23 45	0 18	0 57	1 25	1 46	16 8	4 26	4 29	27 38	13 1	6 28
S 3	22 55	16 5	3 32	19 55	1 45	23 26	0 3	24 7	4 3	16 54	0 59	0 32	2 29	23 45	0 18	0 57	1 25	1 46	16 8	4 23	4 28	27 39	13 0	6 28
S 4	22 49	10 9	2 35	19 46	2 4	23 29	0 1	24 13	4 5	16 57	0 59	0 33	2 28	23 45	0 18	0 57	1 25	1 45	16 8	4 21	4 26	27 40	13 0	6 28
M 5	22 42	3 58	1 30	19 38	2 21	23 31	0s 2	24 19	4 6	16 59	0 59	0 35	2 28	23 46	0 18	0 57	1 25	1 45	16 7	4 20	4 25	27 41	12 59	6 28
T 6	22 36	2n11	0 24	19 33	2 37	23 32	0 4	24 26	4 8	17 2	0 59	0 36	2 28	23 46	0 18	0 58	1 26	1 45	16 7	4 19	4 24	27 42	12 58	6 28
W 7	22 28	8 5	0n42	19 29	2 52	23 32	0 7	24 32	4 10	17 4	0 59	0 37	2 28	23 46	0 18	0 58	1 26	1 45	16 7	4 19	4 23	27 43	12 57	6 28
T 8	22 21	13 32	1 45	19 27	3 4	23 32	0 9	24 38	4 11	17 7	0 59	0 39	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 19	4 21	27 44	12 56	6 27
F 9	22 13	18 23	2 41	19 26	3 13	23 31	0 12	24 44	4 13	17 10	0 59	0 40	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 18	4 20	27 45	12 55	6 27
S 10	22 4	22 28	3 30	19 27	3 20	23 29	0 14	24 50	4 14	17 12	0 59	0 42	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 16	4 19	27 46	12 54	6 27
S 11	21 55	25 36	4 10	19 30	3 25	23 26	0 17	24 56	4 15	17 14	0 59	0 43	2 27	23 46	0 18	0 58	1 26	1 44	16 5	4 13	4 18	27 47	12 53	6 27
M12	21 46	27 38	4 39	19 33	3 27	23 23	0 19	25 2	4 16	17 17	0 59	0 45	2 26	23 46	0 18	0 58	1 26	1 43	16 5	4 9	4 16	27 48	12 52	6 27
T 13	21 36	28 25	4 56	19 38	3 27	23 19	0 21	25 8	4 17	17 19	1 0	0 47	2 26	23 46	0 18	0 59	1 26	1 43	16 5	4 4	4 15	27 48	12 51	6 27
W14	21 25	27 52	5 0	19 44	3 25	23 15	0 24	25 13	4 18	17 21	1 0	0 48	2 26	23 46	0 18	0 59	1 26	1 43	16 4	3 59	4 14	27 49	12 50	6 27
T 15	21 15	26 0	4 50	19 50	3 21	23 9	0 26	25 19	4 19	17 24	1 0	0 50	2 26	23 46	0 18	0 59	1 26	1 43	16 4	3 53	4 13	27 50	12 49	6 27
F 16	21 4	22 54	4 27	19 58	3 15	23 3	0 28	25 24	4 20	17 26	1 0	0 52	2 25	23 46	0 18	0 59	1 26	1 42	16 3	3 48	4 11	27 51	12 48	6 27
S 17	20 52	18 45	3 51	20 6	3 8	22 56	0 31	25 29	4 20	17 28	1 0	0 53	2 25	23 46	0 18	0 59	1 26	1 42	16 3	3 43	4 10	27 52	12 47	6 26
S 18	20 40	13 44	3 4	20 14	3 0	22 49	0 33	25 34	4 21	17 30	1 0	0 55	2 25	23 46	0 18	1 0	1 26	1 42	16 3	3 40	4 9	27 53	12 46	6 26
M19	20 28	8 5	2 7	20 23	2 52	22 40	0 35	25 38	4 21	17 32	1 0	0 57	2 25	23 46	0 18	1 0	1 26	1 41	16 2	3 38	4 8	27 54	12 45	6 26
T 20	20 15	2 1	1 2	20 32	2 42	22 32	0 37	25 43	4 21	17 35	1 0	0 59	2 24	23 46	0 18	1 0	1 26	1 41	16 2	3 37	4 6	27 55	12 44	6 26
W21	20 2	4s14	0s 7	20 41	2 33	22 22	0 39	25 47	4 21	17 37	1 0	1 1	2 24	23 46	0 18	1 1	1 26	1 41	16 2	3 37	4 5	27 55	12 43	6 26
T 22	19 49	10 27	1 17	20 50	2 22	22 12	0 41	25 51	4 21	17 39	1 0	1 3	2 24	23 46	0 18	1 1	1 26	1 40	16 1	3 37	4 4	27 56	12 42	6 26
F 23	19 35	16 19	2 25	20 59	2 12	22 1	0 44	25 55	4 21	17 41	1 0	1 5	2 24	23 46	0 18	1 1	1 26	1 40	16 1	3 37	4 3	27 57	12 41	6 26
S 24	19 21	21 29	3 25	21 7	2 1	21 49	0 46	25 58	4 21	17 42	1 1	1 7	2 24	23 46	0 18	1 2	1 26	1 40	16 1	3 36	4 1	27 58	12 40	6 26
S 25	19 7	25 30	4 15	21 15	1 50	21 37	0 48	26 2	4 21	17 44	1 1	1 9	2 23	23 46	0 18	1 2	1 27	1 39	16 0	3 35	4 0	27 59	12 38	6 26
M26	18 52	27 56	4 48	21 23	1 40	21 24	0 50	26 5	4 20	17 46	1 1	1 11	2 23	23 46	0 18	1 2	1 27	1 39	16 0	3 32	3 59	27 59	12 37	6 26
T 27	18 37	28 25	5 3	21 30	1 29	21 10	0 51	26 8	4 20	17 48	1 1	1 13	2 23	23 46	0 18	1 3	1 27	1 39	16 0	3 29	3 58	28 0	12 36	6 26
W28	18 21	26 51	4 57	21 36	1 18	20 56	0 53	26 10	4 19	17 50	1 1	1 15	2 23	23 47	0 18	1 3	1 27	1 38	15 59	3 25	3 56	28 1	12 35	6 26
T 29	18 5	23 24	4 31	21 41	1 8	20 41	0 55	26 13	4 19	17 52	1 1	1 17	2 23	23 47	0 18	1 3	1 27	1 38	15 59	3 21	3 55	28 2	12 34	6 26
F 30	17 49	18 30	3 48	21 46	0 57	20 26	0 57	26 15	4 18	17 53	1 1	1 19	2 22	23 47	0 18	1 4	1 27	1 37	15 59	3 18	3 54	28 3	12 33	6 26
S 31	17s33	12s39	2s51	21s49	0n47	20s10	0s59	26n17	4n17	17s55	1n 1	1n22	2s22	23n47	0n18	1n 4	1n27	1s37	15s58	3n15	3n53	28n 3	12s32	6n26

Julian Day Number = 2310926.5, Delta T = 71.39 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'01, Lahiri = 18°29'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

FEBRUARY 1615 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 43 4	11♒53'05	18♓ 2	16♑25	5♒38	19°R23	24♏29	8♈59	1°R48	0°R38	5♉48	8°R 7	9♈43	21♊11	6♒17	S 1
M 2	8 47 1	12°53'53	1♈28	17°30	6°53	19♋ 6	24°36	9° 5	1♋47	0♎37	5°48	8♈ 5	9°40	21°18	6°21	M 2
T 3	8 50 57	13°54'40	14°27	18°36	8° 8	18°49	24°43	9°10	1°45	0°36	5°49	8°D 5	9°36	21°25	6°26	T 3
W 4	8 54 54	14°55'25	27° 3	19°45	9°24	18°33	24°49	9°15	1°43	0°35	5°49	8° 6	9°33	21°31	6°31	W 4
T 5	8 58 50	15°56'08	9♉21	20°56	10°39	18°18	24°56	9°21	1°42	0°34	5°49	8° 7	9°30	21°38	6°36	T 5
F 6	9 2 47	16°56'50	21°24	22° 9	11°54	18° 3	25° 2	9°26	1°40	0°33	5°50	8°R 7	9°27	21°45	6°40	F 6
S 7	9 6 44	17°57'30	3♊18	23°23	13° 9	17°50	25° 8	9°32	1°38	0°32	5°50	8° 5	9°24	21°52	6°45	S 7
S 8	9 10 40	18°58'09	15° 9	24°39	14°24	17°37	25°14	9°38	1°37	0°31	5°50	8° 2	9°20	21°58	6°50	S 8
M 9	9 14 37	19°58'46	27° 1	25°57	15°40	17°25	25°20	9°43	1°35	0°29	5°51	7°56	9°17	22° 5	6°55	M 9
T 10	9 18 33	20°59'21	8♋57	27°16	16°55	17°13	25°26	9°49	1°34	0°28	5°51	7°49	9°14	22°12	6°59	T 10
W11	9 22 30	21°59'54	21° 1	28°36	18°10	17° 3	25°31	9°55	1°33	0°27	5°52	7°40	9°11	22°19	7° 4	W11
T 12	9 26 26	23° 0'26	3♌15	29°58	19°25	16°53	25°36	10° 1	1°31	0°26	5°52	7°31	9° 8	22°25	7° 9	T 12
F 13	9 30 23	24° 0'56	15°41	1♒21	20°40	16°44	25°42	10° 7	1°30	0°25	5°53	7°23	9° 5	22°32	7°13	F 13
S 14	9 34 19	25° 1'25	28°18	2°45	21°55	16°36	25°47	10°13	1°29	0°23	5°53	7°16	9° 1	22°39	7°18	S 14
S 15	9 38 16	26° 1'52	11♍ 8	4°10	23°10	16°28	25°51	10°19	1°27	0°22	5°54	7°11	8°58	22°45	7°23	S 15
M16	9 42 13	27° 2'17	24° 9	5°37	24°25	16°22	25°56	10°25	1°26	0°21	5°54	7° 8	8°55	22°52	7°27	M16
T 17	9 46 9	28° 2'40	7♎21	7° 4	25°40	16°16	26° 1	10°32	1°25	0°19	5°55	7°D 7	8°52	22°59	7°32	T 17
W18	9 50 6	29° 3'03	20°46	8°33	26°55	16°11	26° 5	10°38	1°24	0°18	5°56	7° 8	8°49	23° 6	7°36	W18
T 19	9 54 2	0♓ 3'23	4♏22	10° 3	28°10	16° 7	26° 9	10°44	1°23	0°17	5°56	7°10	8°46	23°12	7°41	T 19
F 20	9 57 59	1° 3'43	18° 9	11°33	29°25	16° 3	26°13	10°51	1°22	0°15	5°57	7°11	8°42	23°19	7°45	F 20
S 21	10 1 55	2° 4'01	2♐ 9	13° 5	0♓41	16° 0	26°17	10°57	1°21	0°14	5°58	7°R12	8°39	23°26	7°50	S 21
S 22	10 5 52	3° 4'18	16°20	14°38	1°56	15°58	26°21	11° 4	1°20	0°13	5°58	7°11	8°36	23°32	7°54	S 22
M23	10 9 48	4° 4'33	0♑40	16°12	3°11	15°57	26°24	11°10	1°20	0°11	5°59	7° 9	8°33	23°39	7°59	M23
T 24	10 13 45	5° 4'47	15° 6	17°47	4°26	15°D57	26°28	11°17	1°19	0°10	6° 0	7° 5	8°30	23°46	8° 3	T 24
W25	10 17 42	6° 4'59	29°34	19°23	5°40	15°57	26°31	11°24	1°18	0° 8	6° 0	7° 0	8°26	23°53	8° 7	W25
T 26	10 21 38	7° 5'09	13♒58	21° 0	6°55	15°58	26°34	11°30	1°17	0° 7	6° 1	6°56	8°23	23°59	8°12	T 26
F 27	10 25 35	8° 5'18	28°13	22°38	8°10	16° 0	26°37	11°37	1°17	0° 5	6° 2	6°51	8°20	24° 6	8°16	F 27
S 28	10 29 31	9♓ 5'25	12♓13	24♒18	9♓25	16♋ 2	26♏39	11♈44	1♋16	0♎ 4	6♉ 3	6♈48	8♈17	24♊13	8♒20	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s16	6s21	1s45	21s52	0n37	19s53	1s 0	26n19	4n16	17s56	1n 1	1n24	2s22	23n47	0n18	1n 5	1n27	1s37	15s58	3n14	3n51	28n 4	12s30	6n26
M 2	16 59	0n 3	0 35	21 54	0 27	19 36	1 2	26 20	4 15	17 58	1 1	1 26	2 22	23 47	0 18	1 5	1 27	1 36	15 58	3 13	3 50	28 5	12 29	6 26
T 3	16 41	6 14	0n34	21 54	0 18	19 18	1 4	26 22	4 14	18 0	1 2	1 28	2 22	23 47	0 18	1 5	1 27	1 36	15 57	3 13	3 49	28 6	12 28	6 26
W 4	16 24	12 0	1 40	21 54	0 8	18 59	1 5	26 23	4 13	18 1	1 2	1 31	2 21	23 47	0 18	1 6	1 27	1 35	15 57	3 13	3 48	28 6	12 27	6 26
T 5	16 6	17 10	2 40	21 52	0s 1	18 41	1 7	26 24	4 12	18 2	1 2	1 33	2 21	23 47	0 18	1 6	1 27	1 35	15 56	3 14	3 46	28 7	12 26	6 26
F 6	15 47	21 33	3 31	21 50	0 10	18 21	1 8	26 25	4 11	18 4	1 2	1 35	2 21	23 47	0 18	1 7	1 27	1 34	15 56	3 14	3 45	28 8	12 25	6 26
S 7	15 29	25 0	4 13	21 46	0 18	18 1	1 10	26 25	4 9	18 5	1 2	1 38	2 21	23 47	0 18	1 7	1 27	1 34	15 56	3 13	3 44	28 8	12 23	6 26
S 8	15 10	27 21	4 43	21 41	0 27	17 41	1 11	26 26	4 8	18 7	1 2	1 40	2 21	23 47	0 18	1 8	1 27	1 33	15 55	3 11	3 43	28 9	12 22	6 26
M 9	14 51	28 29	5 2	21 34	0 35	17 20	1 12	26 26	4 7	18 8	1 2	1 43	2 20	23 47	0 18	1 8	1 27	1 33	15 55	3 9	3 41	28 10	12 21	6 26
T 10	14 32	28 18	5 7	21 27	0 43	16 58	1 14	26 26	4 5	18 9	1 2	1 45	2 20	23 47	0 18	1 9	1 27	1 33	15 55	3 6	3 40	28 10	12 20	6 26
W11	14 12	26 46	4 59	21 18	0 50	16 36	1 15	26 26	4 4	18 10	1 3	1 47	2 20	23 47	0 18	1 9	1 27	1 32	15 54	3 3	3 39	28 11	12 18	6 27
T 12	13 53	23 58	4 37	21 8	0 57	16 14	1 16	26 25	4 2	18 11	1 3	1 50	2 20	23 47	0 18	1 10	1 27	1 32	15 54	2 59	3 38	28 12	12 17	6 27
F 13	13 33	20 1	4 2	20 57	1 4	15 51	1 17	26 25	4 0	18 12	1 3	1 52	2 20	23 47	0 18	1 10	1 27	1 31	15 54	2 56	3 36	28 12	12 16	6 27
S 14	13 13	15 7	3 14	20 44	1 11	15 28	1 18	26 24	3 59	18 14	1 3	1 55	2 20	23 47	0 18	1 11	1 27	1 31	15 53	2 53	3 35	28 13	12 15	6 27
S 15	12 52	9 30	2 16	20 30	1 17	15 4	1 19	26 24	3 57	18 15	1 3	1 57	2 19	23 47	0 18	1 11	1 27	1 30	15 53	2 51	3 34	28 14	12 14	6 27
M16	12 32	3 24	1 10	20 15	1 23	14 40	1 20	26 23	3 55	18 16	1 3	2 0	2 19	23 47	0 18	1 12	1 27	1 30	15 53	2 50	3 33	28 14	12 12	6 27
T 17	12 11	2s57	0s 1	19 59	1 29	14 15	1 21	26 22	3 54	18 17	1 3	2 3	2 19	23 47	0 18	1 12	1 28	1 29	15 52	2 50	3 31	28 15	12 11	6 27
W18	11 50	9 15	1 13	19 41	1 34	13 50	1 22	26 21	3 52	18 17	1 3	2 5	2 19	23 47	0 18	1 13	1 28	1 29	15 52	2 50	3 30	28 15	12 10	6 27
T 19	11 29	15 14	2 23	19 22	1 39	13 25	1 22	26 20	3 50	18 18	1 4	2 8	2 19	23 47	0 18	1 14	1 28	1 28	15 52	2 51	3 29	28 16	12 9	6 27
F 20	11 7	20 33	3 25	19 1	1 44	13 0	1 23	26 18	3 48	18 19	1 4	2 11	2 19	23 47	0 18	1 14	1 28	1 28	15 52	2 51	3 28	28 17	12 7	6 28
S 21	10 46	24 48	4 15	18 39	1 48	12 34	1 24	26 17	3 47	18 20	1 4	2 13	2 19	23 47	0 18	1 15	1 28	1 27	15 51	2 52	3 26	28 17	12 6	6 28
S 22	10 24	27 37	4 51	18 16	1 52	12 7	1 24	26 15	3 45	18 21	1 4	2 16	2 18	23 47	0 18	1 15	1 28	1 27	15 51	2 51	3 25	28 18	12 5	6 28
M23	10 2	28 39	5 10	17 51	1 56	11 41	1 25	26 14	3 43	18 21	1 4	2 19	2 18	23 47	0 18	1 16	1 28	1 26	15 51	2 50	3 24	28 18	12 3	6 28
T 24	9 40	27 45	5 9	17 25	1 59	11 14	1 25	26 12	3 41	18 22	1 4	2 21	2 18	23 47	0 18	1 17	1 28	1 26	15 50	2 49	3 23	28 19	12 2	6 28
W25	9 18	24 58	4 48	16 58	2 2	10 46	1 25	26 10	3 39	18 23	1 4	2 24	2 18	23 47	0 18	1 17	1 28	1 25	15 50	2 47	3 21	28 20	12 1	6 28
T 26	8 56	20 39	4 9	16 29	2 4	10 19	1 26	26 8	3 38	18 23	1 4	2 27	2 18	23 47	0 18	1 18	1 28	1 25	15 50	2 45	3 20	28 20	12 0	6 29
F 27	8 33	15 10	3 15	15 59	2 6	9 51	1 26	26 6	3 36	18 24	1 5	2 29	2 18	23 47	0 18	1 18	1 28	1 24	15 49	2 44	3 19	28 21	11 58	6 29
S 28	8s11	9s 0	2s10	15s28	2s 8	9s23	1s26	26n 4	3n34	18s24	1n 5	2n32	2s18	23n47	0n18	1n19	1n28	1s24	15s49	2n42	3n18	28n21	11s57	6n29

Julian Day Number = 2310957.5, Delta T = 71.30 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'05, Lahiri = 18°29'06Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

MARCH 1615 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 33 28	10♓ 5'30	25♓53	25♒58	10♓40	16♋ 6	26♏42	11♈51	1°R16	0°R 2	6♉ 4	6°R46	8♈14	24♊19	8♒25	S 1
M 2	10 37 24	11° 5'33	9♈13	27°39	11°55	16° 9	26°44	11°58	1♋15	0♎ 1	6° 4	6°D46	8°11	24°26	8°29	M 2
T 3	10 41 21	12° 5'34	22°11	29°22	13°10	16°14	26°46	12° 4	1°15	29♍59	6° 5	6♈47	8° 7	24°33	8°33	T 3
W 4	10 45 17	13° 5'32	4♉49	1♓ 5	14°25	16°19	26°48	12°11	1°15	29°58	6° 6	6°48	8° 4	24°40	8°37	W 4
T 5	10 49 14	14° 5'29	17° 9	2°50	15°40	16°25	26°49	12°18	1°14	29°56	6° 7	6°50	8° 1	24°46	8°41	T 5
F 6	10 53 10	15° 5'24	29°16	4°36	16°55	16°32	26°51	12°25	1°14	29°54	6° 8	6°51	7°58	24°53	8°46	F 6
S 7	10 57 7	16° 5'16	11♊13	6°23	18° 9	16°39	26°52	12°33	1°14	29°53	6° 9	6°R52	7°55	25° 0	8°50	S 7
S 8	11 1 4	17° 5'06	23° 6	8°11	19°24	16°47	26°53	12°40	1°14	29°51	6°10	6°52	7°52	25° 6	8°54	S 8
M 9	11 5 0	18° 4'54	4♋59	10° 1	20°39	16°55	26°54	12°47	1°14	29°50	6°11	6°51	7°48	25°13	8°58	M 9
T 10	11 8 57	19° 4'40	16°57	11°51	21°54	17° 4	26°55	12°54	1°D14	29°48	6°12	6°49	7°45	25°20	9° 2	T 10
W11	11 12 53	20° 4'23	29° 3	13°43	23° 8	17°14	26°56	13° 1	1°14	29°46	6°13	6°47	7°42	25°27	9° 6	W11
T 12	11 16 50	21° 4'04	11♌23	15°36	24°23	17°24	26°56	13° 8	1°14	29°45	6°14	6°45	7°39	25°33	9° 9	T 12
F 13	11 20 46	22° 3'43	23°57	17°30	25°38	17°35	26°56	13°16	1°14	29°43	6°15	6°42	7°36	25°40	9°13	F 13
S 14	11 24 43	23° 3'20	6♍48	19°25	26°52	17°46	26°R56	13°23	1°14	29°41	6°16	6°41	7°32	25°47	9°17	S 14
S 15	11 28 39	24° 2'55	19°55	21°21	28° 7	17°58	26°56	13°30	1°14	29°40	6°17	6°39	7°29	25°54	9°21	S 15
M16	11 32 36	25° 2'27	3♎19	23°19	29°22	18°10	26°56	13°38	1°15	29°38	6°18	6°D39	7°26	26° 0	9°24	M16
T 17	11 36 33	26° 1'58	16°58	25°17	0♈36	18°23	26°55	13°45	1°15	29°37	6°19	6°39	7°23	26° 7	9°28	T 17
W18	11 40 29	27° 1'26	0♏49	27°17	1°51	18°36	26°54	13°52	1°15	29°35	6°20	6°40	7°20	26°14	9°32	W18
T 19	11 44 26	28° 0'53	14°49	29°17	3° 5	18°50	26°53	14° 0	1°16	29°33	6°21	6°40	7°17	26°20	9°35	T 19
F 20	11 48 22	29° 0'18	28°57	1♈18	4°20	19° 5	26°52	14° 7	1°16	29°32	6°22	6°41	7°13	26°27	9°39	F 20
S 21	11 52 19	29°59'42	13♐ 9	3°20	5°35	19°19	26°51	14°15	1°17	29°30	6°23	6°42	7°10	26°34	9°42	S 21
S 22	11 56 15	0♈59'03	27°22	5°22	6°49	19°35	26°49	14°22	1°18	29°28	6°24	6°R42	7° 7	26°41	9°46	S 22
M23	12 0 12	1°58'23	11♑35	7°25	8° 4	19°50	26°48	14°30	1°18	29°27	6°26	6°42	7° 4	26°47	9°49	M23
T 24	12 4 8	2°57'41	25°44	9°27	9°18	20° 7	26°46	14°37	1°19	29°25	6°27	6°42	7° 1	26°54	9°53	T 24
W25	12 8 5	3°56'57	9♒47	11°30	10°33	20°23	26°44	14°45	1°20	29°23	6°28	6°41	6°58	27° 1	9°56	W25
T 26	12 12 2	4°56'12	23°43	13°31	11°47	20°40	26°42	14°52	1°21	29°22	6°29	6°41	6°54	27° 7	9°59	T 26
F 27	12 15 58	5°55'24	7♓28	15°33	13° 1	20°58	26°39	15° 0	1°22	29°20	6°30	6°41	6°51	27°14	10° 2	F 27
S 28	12 19 55	6°54'35	21° 1	17°32	14°16	21°15	26°37	15° 7	1°22	29°18	6°32	6°D41	6°48	27°21	10° 5	S 28
S 29	12 23 51	7°53'43	4♈19	19°31	15°30	21°34	26°34	15°15	1°23	29°17	6°33	6°R41	6°45	27°28	10° 9	S 29
M30	12 27 48	8°52'50	17°22	21°28	16°45	21°52	26°31	15°22	1°25	29°15	6°34	6°41	6°42	27°34	10°12	M30
T 31	12 31 44	9♈51'54	0♉ 9	23♈22	17♈59	22♋11	26♏28	15♈30	1♋26	29♍13	6♉35	6♈41	6♈38	27♊41	10♒15	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	7s48	2s33	0s59	14s55	2s 9	8s54	1s26	26n 2	3n32	18s25	1n 5	2n35	2s18	23n47	0n18	1n20	1n28	1s23	15s49	2n42	3n16	28n22	11s56	6n29
M 2	7 25	3n52	0n13	14 21	2 10	8 26	1 26	25 59	3 30	18 25	1 5	2 38	2 17	23 47	0 18	1 20	1 28	1 23	15 48	2 42	3 15	28 22	11 55	6 29
T 3	7 2	9 57	1 24	13 45	2 10	7 57	1 26	25 57	3 28	18 25	1 5	2 41	2 17	23 47	0 18	1 21	1 28	1 22	15 48	2 42	3 14	28 23	11 53	6 30
W 4	6 39	15 29	2 28	13 8	2 10	7 28	1 26	25 54	3 26	18 26	1 5	2 43	2 17	23 47	0 18	1 22	1 28	1 21	15 48	2 42	3 12	28 23	11 52	6 30
T 5	6 16	20 15	3 24	12 30	2 10	6 59	1 26	25 52	3 25	18 26	1 5	2 46	2 17	23 47	0 18	1 22	1 28	1 21	15 48	2 43	3 11	28 24	11 51	6 30
F 6	5 53	24 6	4 10	11 51	2 9	6 30	1 26	25 49	3 23	18 26	1 5	2 49	2 17	23 47	0 18	1 23	1 28	1 20	15 47	2 44	3 10	28 24	11 50	6 30
S 7	5 30	26 52	4 44	11 10	2 7	6 0	1 25	25 46	3 21	18 26	1 6	2 52	2 17	23 47	0 18	1 24	1 28	1 20	15 47	2 44	3 9	28 25	11 48	6 31
S 8	5 7	28 24	5 6	10 28	2 6	5 30	1 25	25 44	3 19	18 26	1 6	2 55	2 17	23 47	0 18	1 24	1 28	1 19	15 47	2 44	3 7	28 25	11 47	6 31
M 9	4 43	28 38	5 15	9 44	2 3	5 0	1 24	25 41	3 17	18 27	1 6	2 58	2 17	23 47	0 18	1 25	1 28	1 19	15 47	2 44	3 6	28 25	11 46	6 31
T 10	4 20	27 33	5 10	8 59	2 0	4 30	1 24	25 38	3 15	18 27	1 6	3 0	2 17	23 47	0 18	1 26	1 28	1 18	15 46	2 43	3 5	28 26	11 45	6 31
W11	3 56	25 9	4 52	8 13	1 57	4 0	1 23	25 35	3 14	18 27	1 6	3 3	2 17	23 47	0 18	1 26	1 28	1 18	15 46	2 42	3 4	28 26	11 43	6 32
T 12	3 33	21 33	4 20	7 26	1 53	3 30	1 23	25 32	3 12	18 27	1 6	3 6	2 16	23 47	0 18	1 27	1 28	1 17	15 46	2 41	3 2	28 27	11 42	6 32
F 13	3 9	16 56	3 34	6 37	1 49	3 0	1 22	25 28	3 10	18 26	1 6	3 9	2 16	23 47	0 18	1 28	1 28	1 17	15 46	2 40	3 1	28 27	11 41	6 32
S 14	2 46	11 28	2 38	5 47	1 44	2 29	1 21	25 25	3 8	18 26	1 6	3 12	2 16	23 47	0 18	1 28	1 28	1 16	15 45	2 39	3 0	28 28	11 40	6 32
S 15	2 22	5 24	1 31	4 56	1 38	1 59	1 21	25 22	3 6	18 26	1 7	3 15	2 16	23 47	0 18	1 29	1 28	1 15	15 45	2 39	2 59	28 28	11 38	6 33
M16	1 58	1s 2	0 18	4 4	1 32	1 28	1 20	25 18	3 5	18 26	1 7	3 18	2 16	23 47	0 18	1 30	1 28	1 15	15 45	2 39	2 57	28 28	11 37	6 33
T 17	1 35	7 33	0s57	3 11	1 26	0 58	1 19	25 15	3 3	18 26	1 7	3 21	2 16	23 47	0 18	1 30	1 28	1 14	15 45	2 39	2 56	28 29	11 36	6 33
W18	1 11	13 48	2 10	2 17	1 18	0 27	1 18	25 11	3 1	18 25	1 7	3 24	2 16	23 47	0 18	1 31	1 28	1 14	15 44	2 39	2 55	28 29	11 35	6 33
T 19	0 47	19 26	3 16	1 22	1 11	0n 3	1 17	25 8	2 59	18 25	1 7	3 27	2 16	23 47	0 18	1 32	1 28	1 13	15 44	2 39	2 54	28 29	11 33	6 34
F 20	0 24	24 3	4 11	0 26	1 3	0 34	1 16	25 4	2 58	18 25	1 7	3 30	2 16	23 47	0 18	1 32	1 28	1 13	15 44	2 40	2 52	28 30	11 32	6 34
S 21	0 0	27 14	4 50	0n30	0 54	1 5	1 15	25 0	2 56	18 24	1 7	3 32	2 16	23 47	0 18	1 33	1 28	1 12	15 44	2 40	2 51	28 30	11 31	6 34
S 22	0n24	28 40	5 13	1 27	0 45	1 35	1 13	24 56	2 54	18 24	1 7	3 35	2 16	23 47	0 18	1 34	1 28	1 12	15 44	2 40	2 50	28 31	11 30	6 35
M23	0 47	28 13	5 16	2 25	0 35	2 6	1 12	24 52	2 53	18 23	1 7	3 38	2 16	23 47	0 18	1 34	1 28	1 11	15 43	2 40	2 49	28 31	11 29	6 35
T 24	1 11	25 57	4 59	3 22	0 25	2 37	1 11	24 48	2 51	18 23	1 8	3 41	2 16	23 47	0 18	1 35	1 28	1 11	15 43	2 40	2 47	28 31	11 27	6 35
W25	1 34	22 6	4 26	4 20	0 14	3 7	1 9	24 44	2 49	18 22	1 8	3 44	2 16	23 47	0 18	1 36	1 28	1 10	15 43	2 40	2 46	28 32	11 26	6 36
T 26	1 58	17 3	3 36	5 18	0 4	3 38	1 8	24 40	2 48	18 22	1 8	3 47	2 16	23 47	0 18	1 36	1 28	1 9	15 43	2 40	2 45	28 32	11 25	6 36
F 27	2 21	11 11	2 35	6 15	0n 8	4 8	1 7	24 35	2 46	18 21	1 8	3 50	2 16	23 47	0 18	1 37	1 28	1 9	15 43	2 39	2 44	28 32	11 24	6 36
S 28	2 45	4 53	1 26	7 12	0 19	4 38	1 5	24 31	2 45	18 20	1 8	3 53	2 16	23 47	0 18	1 38	1 28	1 8	15 42	2 39	2 42	28 32	11 23	6 37
S 29	3 8	1n31	0 13	8 7	0 31	5 8	1 3	24 27	2 43	18 20	1 8	3 56	2 16	23 47	0 18	1 38	1 28	1 8	15 42	2 39	2 41	28 33	11 22	6 37
M30	3 32	7 44	0n59	9 2	0 42	5 39	1 2	24 22	2 41	18 19	1 8	3 59	2 16	23 47	0 18	1 39	1 28	1 7	15 42	2 39	2 40	28 33	11 21	6 37
T 31	3n55	13n31	2n 6	9n56	0n54	6n 9	1s 0	24n17	2n40	18s18	1n 8	4n 2	2s16	23n47	0n18	1n39	1n28	1s 7	15s42	2n39	2n39	28n33	11s19	6n38

Julian Day Number = 2310985.5, Delta T = 71.23 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'09, Lahiri = 18°29'10Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

APRIL 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 35 41	10♈50'57	12♉41	25♈14	19♈13	22♋31	26°R24	15♈38	1♋27	29°R12	6♉36	6°R40	6♈35	27♊48	10♒17	W 1
T 2	12 39 37	11°49'57	24°59	27° 3	20°28	22°51	26♏21	15°45	1°28	29♍10	6°38	6♈40	6°32	27°54	10°20	T 2
F 3	12 43 34	12°48'55	7♊ 5	28°48	21°42	23°11	26°17	15°53	1°29	29° 9	6°39	6°39	6°29	28° 1	10°23	F 3
S 4	12 47 31	13°47'51	19° 3	0♉30	22°56	23°31	26°14	16° 0	1°31	29° 7	6°40	6°38	6°26	28° 8	10°26	S 4
S 5	12 51 27	14°46'44	0♋57	2° 7	24°10	23°52	26°10	16° 8	1°32	29° 5	6°41	6°38	6°23	28°15	10°29	S 5
M 6	12 55 24	15°45'36	12°50	3°41	25°25	24°13	26° 5	16°16	1°33	29° 4	6°43	6°D37	6°19	28°21	10°31	M 6
T 7	12 59 20	16°44'25	24°47	5°10	26°39	24°35	26° 1	16°23	1°35	29° 2	6°44	6°37	6°16	28°28	10°34	T 7
W 8	13 3 17	17°43'11	6♌54	6°34	27°53	24°56	25°57	16°31	1°36	29° 1	6°45	6°38	6°13	28°35	10°36	W 8
T 9	13 7 13	18°41'56	19°14	7°53	29° 7	25°18	25°52	16°38	1°38	28°59	6°47	6°39	6°10	28°42	10°39	T 9
F 10	13 11 10	19°40'38	1♍51	9° 7	0♉21	25°41	25°47	16°46	1°39	28°58	6°48	6°40	6° 7	28°48	10°41	F 10
S 11	13 15 6	20°39'18	14°48	10°16	1°35	26° 4	25°42	16°54	1°41	28°56	6°49	6°41	6° 3	28°55	10°44	S 11
S 12	13 19 3	21°37'56	28° 8	11°19	2°49	26°27	25°37	17° 1	1°43	28°55	6°51	6°42	6° 0	29° 2	10°46	S 12
M13	13 23 0	22°36'31	11♎49	12°17	4° 3	26°50	25°32	17° 9	1°44	28°53	6°52	6°R42	5°57	29° 8	10°48	M13
T 14	13 26 56	23°35'05	25°51	13° 9	5°17	27°13	25°27	17°16	1°46	28°52	6°53	6°41	5°54	29°15	10°50	T 14
W15	13 30 53	24°33'37	10♏ 9	13°56	6°31	27°37	25°21	17°24	1°48	28°50	6°55	6°40	5°51	29°22	10°53	W15
T 16	13 34 49	25°32'07	24°39	14°36	7°45	28° 1	25°16	17°32	1°50	28°49	6°56	6°37	5°48	29°29	10°55	T 16
F 17	13 38 46	26°30'35	9♐14	15°11	8°59	28°25	25°10	17°39	1°52	28°47	6°57	6°35	5°44	29°35	10°57	F 17
S 18	13 42 42	27°29'02	23°48	15°40	10°13	28°50	25° 4	17°47	1°54	28°46	6°59	6°32	5°41	29°42	10°59	S 18
S 19	13 46 39	28°27'27	8♑16	16° 3	11°27	29°15	24°58	17°54	1°56	28°44	7° 0	6°30	5°38	29°49	11° 0	S 19
M20	13 50 35	29°25'50	22°34	16°20	12°41	29°40	24°52	18° 2	1°58	28°43	7° 1	6°29	5°35	29°56	11° 2	M20
T 21	13 54 32	0♉24'12	6♒38	16°31	13°55	0♌ 5	24°45	18° 9	2° 0	28°42	7° 3	6°D29	5°32	0♋ 2	11° 4	T 21
W22	13 58 29	1°22'33	20°28	16°37	15° 8	0°31	24°39	18°17	2° 2	28°40	7° 4	6°30	5°29	0° 9	11° 6	W22
T 23	14 2 25	2°20'51	4♓ 3	16°R37	16°22	0°57	24°33	18°24	2° 4	28°39	7° 5	6°32	5°25	0°16	11° 7	T 23
F 24	14 6 22	3°19'09	17°24	16°32	17°36	1°22	24°26	18°32	2° 6	28°38	7° 7	6°33	5°22	0°22	11° 9	F 24
S 25	14 10 18	4°17'24	0♈32	16°22	18°50	1°49	24°19	18°39	2° 9	28°36	7° 8	6°R34	5°19	0°29	11°10	S 25
S 26	14 14 15	5°15'38	13°27	16° 6	20° 4	2°15	24°13	18°47	2°11	28°35	7° 9	6°34	5°16	0°36	11°12	S 26
M27	14 18 11	6°13'50	26° 9	15°47	21°17	2°42	24° 6	18°54	2°13	28°34	7°11	6°33	5°13	0°43	11°13	M27
T 28	14 22 8	7°12'01	8♉41	15°23	22°31	3° 9	23°59	19° 1	2°16	28°33	7°12	6°30	5° 9	0°49	11°15	T 28
W29	14 26 4	8°10'10	21° 1	14°56	23°45	3°36	23°52	19° 9	2°18	28°32	7°14	6°25	5° 6	0°56	11°16	W29
T 30	14 30 1	9♉ 8'17	3♊12	14♉25	24♉58	4♌ 3	23♏45	19♈16	2♋21	28♍30	7♉15	6♈20	5♈ 3	1♋ 3	11♒17	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	4n18	18n38	3n 6	10n48	1n 5	6n38	0s58	24n13	2n38	18s17	1n 8	4n 5	2s15	23n47	0n18	1n40	1n28	1s 6	15s42	2n39	2n37	28n33	11s18	6n38
T 2	4 41	22 53	3 57	11 38	1 17	7 8	0 57	24 8	2 37	18 16	1 8	4 8	2 15	23 47	0 18	1 41	1 28	1 6	15 42	2 39	2 36	28 34	11 17	6 39
F 3	5 4	26 4	4 35	12 26	1 28	7 38	0 55	24 3	2 35	18 15	1 8	4 11	2 15	23 47	0 18	1 41	1 28	1 5	15 41	2 39	2 35	28 34	11 16	6 39
S 4	5 27	28 3	5 2	13 13	1 39	8 7	0 53	23 58	2 34	18 14	1 9	4 14	2 15	23 47	0 18	1 42	1 28	1 5	15 41	2 38	2 33	28 34	11 15	6 39
S 5	5 50	28 44	5 15	13 57	1 49	8 36	0 51	23 53	2 32	18 13	1 9	4 17	2 15	23 47	0 18	1 43	1 28	1 4	15 41	2 38	2 32	28 34	11 14	6 40
M 6	6 13	28 5	5 15	14 38	1 59	9 5	0 49	23 47	2 31	18 12	1 9	4 19	2 15	23 46	0 18	1 43	1 28	1 4	15 41	2 38	2 31	28 35	11 13	6 40
T 7	6 36	26 9	5 1	15 17	2 8	9 34	0 47	23 42	2 29	18 11	1 9	4 22	2 15	23 46	0 18	1 44	1 28	1 3	15 41	2 38	2 30	28 35	11 12	6 40
W 8	6 58	23 0	4 33	15 54	2 17	10 2	0 45	23 37	2 28	18 10	1 9	4 25	2 15	23 46	0 18	1 45	1 28	1 2	15 41	2 38	2 28	28 35	11 11	6 41
T 9	7 21	18 47	3 53	16 27	2 25	10 31	0 43	23 31	2 26	18 9	1 9	4 28	2 15	23 46	0 18	1 45	1 28	1 2	15 41	2 39	2 27	28 35	11 10	6 41
F 10	7 43	13 39	3 1	16 58	2 32	10 59	0 41	23 26	2 25	18 8	1 9	4 31	2 15	23 46	0 17	1 46	1 28	1 1	15 40	2 39	2 26	28 35	11 9	6 42
S 11	8 5	7 49	1 58	17 26	2 39	11 27	0 39	23 20	2 24	18 7	1 9	4 34	2 15	23 46	0 17	1 46	1 28	1 1	15 40	2 40	2 25	28 36	11 8	6 42
S 12	8 27	1 28	0 47	17 51	2 44	11 54	0 37	23 14	2 22	18 5	1 9	4 37	2 16	23 46	0 17	1 47	1 28	1 0	15 40	2 40	2 23	28 36	11 7	6 42
M13	8 49	5s 7	0s28	18 14	2 48	12 21	0 34	23 8	2 21	18 4	1 9	4 40	2 16	23 46	0 17	1 48	1 28	1 0	15 40	2 40	2 22	28 36	11 6	6 43
T 14	9 11	11 37	1 44	18 33	2 52	12 48	0 32	23 2	2 19	18 3	1 9	4 43	2 16	23 46	0 17	1 48	1 28	0 59	15 40	2 40	2 21	28 36	11 5	6 43
W15	9 32	17 39	2 54	18 49	2 54	13 15	0 30	22 56	2 18	18 1	1 9	4 46	2 16	23 46	0 17	1 49	1 28	0 59	15 40	2 39	2 20	28 36	11 4	6 44
T 16	9 54	22 45	3 54	19 3	2 55	13 41	0 28	22 50	2 17	18 0	1 9	4 48	2 16	23 46	0 17	1 49	1 28	0 58	15 40	2 38	2 18	28 36	11 3	6 44
F 17	10 15	26 29	4 40	19 13	2 56	14 7	0 25	22 44	2 15	17 59	1 9	4 51	2 16	23 46	0 17	1 50	1 28	0 58	15 40	2 37	2 17	28 36	11 2	6 44
S 18	10 36	28 27	5 7	19 21	2 54	14 33	0 23	22 37	2 14	17 57	1 9	4 54	2 16	23 46	0 17	1 50	1 28	0 57	15 40	2 36	2 16	28 37	11 1	6 45
S 19	10 57	28 28	5 14	19 25	2 52	14 58	0 21	22 31	2 13	17 56	1 9	4 57	2 16	23 46	0 17	1 51	1 28	0 57	15 40	2 35	2 15	28 37	11 0	6 45
M20	11 18	26 34	5 2	19 27	2 49	15 23	0 18	22 24	2 11	17 54	1 9	5 0	2 16	23 46	0 17	1 51	1 28	0 57	15 40	2 35	2 13	28 37	10 59	6 46
T 21	11 38	23 2	4 32	19 26	2 44	15 48	0 16	22 18	2 10	17 53	1 9	5 3	2 16	23 46	0 17	1 52	1 28	0 56	15 39	2 35	2 12	28 37	10 58	6 46
W22	11 59	18 17	3 47	19 21	2 38	16 12	0 13	22 11	2 9	17 51	1 9	5 5	2 16	23 46	0 17	1 52	1 28	0 56	15 39	2 35	2 11	28 37	10 57	6 47
T 23	12 19	12 40	2 49	19 14	2 30	16 36	0 11	22 4	2 7	17 50	1 9	5 8	2 16	23 46	0 17	1 53	1 28	0 55	15 39	2 36	2 10	28 37	10 57	6 47
F 24	12 39	6 34	1 43	19 4	2 21	16 59	0 8	21 57	2 6	17 48	1 9	5 11	2 16	23 46	0 17	1 53	1 28	0 55	15 39	2 36	2 8	28 37	10 56	6 47
S 25	12 59	0 18	0 33	18 52	2 11	17 22	0 6	21 50	2 5	17 46	1 9	5 14	2 16	23 46	0 17	1 54	1 28	0 54	15 39	2 37	2 7	28 37	10 55	6 48
S 26	13 18	5n54	0n38	18 37	2 0	17 44	0 3	21 43	2 4	17 45	1 9	5 16	2 16	23 46	0 17	1 54	1 28	0 54	15 39	2 37	2 6	28 37	10 54	6 48
M27	13 38	11 45	1 45	18 19	1 48	18 6	0 1	21 35	2 2	17 43	1 9	5 19	2 16	23 46	0 17	1 55	1 28	0 53	15 39	2 36	2 4	28 37	10 53	6 49
T 28	13 57	17 3	2 46	17 59	1 34	18 28	0n 2	21 28	2 1	17 41	1 9	5 22	2 16	23 46	0 17	1 55	1 28	0 53	15 39	2 35	2 3	28 37	10 53	6 49
W29	14 16	21 34	3 39	17 37	1 20	18 49	0 4	21 20	2 0	17 40	1 9	5 25	2 16	23 46	0 17	1 56	1 28	0 52	15 39	2 33	2 2	28 37	10 52	6 50
T 30	14n34	25n 6	4n21	17n14	1n 5	19n10	0n 7	21n13	1n59	17s38	1n 9	5n27	2s16	23n46	0n17	1n56	1n28	0s52	15s39	2n31	2n 1	28n37	10s51	6n50

Julian Day Number = 2311016.5, Delta T = 71.14 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'13, Lahiri = 18°29'14Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

MAY 1615 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 33 58	10♉ 6'23	15♊14	13°R52	26♉12	4♌30	23°R37	19♈23	2♋23	28°R29	7♉16	6°R14	5♈ 0	1♋ 9	11♒18	F 1
S 2	14 37 54	11° 4'26	27°10	13♉17	27°26	4°58	23♏30	19°31	2°26	28♍28	7°18	6♈ 8	4°57	1°16	11°19	S 2
S 3	14 41 51	12° 2'28	9♋ 3	12°41	28°39	5°26	23°23	19°38	2°28	28°27	7°19	6° 3	4°54	1°23	11°20	S 3
M 4	14 45 47	13° 0'28	20°55	12° 4	29°53	5°54	23°15	19°45	2°31	28°26	7°20	5°59	4°50	1°30	11°21	M 4
T 5	14 49 44	13°58'27	2♌51	11°28	1♊ 6	6°22	23° 8	19°52	2°33	28°25	7°22	5°56	4°47	1°36	11°22	T 5
W 6	14 53 40	14°56'23	14°55	10°52	2°20	6°51	23° 1	20° 0	2°36	28°24	7°23	5°D56	4°44	1°43	11°23	W 6
T 7	14 57 37	15°54'17	27°12	10°17	3°33	7°19	22°53	20° 7	2°39	28°23	7°24	5°56	4°41	1°50	11°23	T 7
F 8	15 1 33	16°52'10	9♍47	9°44	4°47	7°48	22°46	20°14	2°42	28°22	7°26	5°58	4°38	1°57	11°24	F 8
S 9	15 5 30	17°50'01	22°44	9°13	6° 0	8°17	22°38	20°21	2°44	28°21	7°27	5°59	4°35	2° 3	11°24	S 9
S 10	15 9 27	18°47'50	6♎ 6	8°46	7°13	8°46	22°30	20°28	2°47	28°20	7°28	6°R 0	4°31	2°10	11°25	S 10
M11	15 13 23	19°45'37	19°55	8°21	8°27	9°15	22°23	20°35	2°50	28°19	7°30	5°59	4°28	2°17	11°25	M11
T 12	15 17 20	20°43'23	4♏10	8° 1	9°40	9°44	22°15	20°42	2°53	28°18	7°31	5°56	4°25	2°23	11°26	T 12
W13	15 21 16	21°41'07	18°47	7°44	10°53	10°14	22° 7	20°49	2°56	28°17	7°32	5°51	4°22	2°30	11°26	W13
T 14	15 25 13	22°38'50	3♐40	7°31	12° 7	10°44	22° 0	20°56	2°59	28°17	7°34	5°45	4°19	2°37	11°26	T 14
F 15	15 29 9	23°36'32	18°41	7°23	13°20	11°13	21°52	21° 3	3° 2	28°16	7°35	5°38	4°15	2°44	11°26	F 15
S 16	15 33 6	24°34'13	3♑40	7°D19	14°33	11°43	21°45	21° 9	3° 5	28°15	7°36	5°31	4°12	2°50	11°26	S 16
S 17	15 37 2	25°31'52	18°29	7°20	15°46	12°13	21°37	21°16	3° 8	28°14	7°38	5°25	4° 9	2°57	11°R26	S 17
M18	15 40 59	26°29'31	3♒ 0	7°25	16°59	12°44	21°29	21°23	3°11	28°14	7°39	5°21	4° 6	3° 4	11°26	M18
T 19	15 44 56	27°27'08	17°11	7°35	18°13	13°14	21°22	21°30	3°14	28°13	7°40	5°19	4° 3	3°11	11°26	T 19
W20	15 48 52	28°24'44	0♓59	7°49	19°26	13°45	21°14	21°36	3°17	28°12	7°42	5°D18	4° 0	3°17	11°26	W20
T 21	15 52 49	29°22'20	14°25	8° 8	20°39	14°15	21° 7	21°43	3°20	28°12	7°43	5°19	3°56	3°24	11°26	T 21
F 22	15 56 45	0♊19'54	27°33	8°31	21°52	14°46	20°59	21°49	3°23	28°11	7°44	5°20	3°53	3°31	11°26	F 22
S 23	16 0 42	1°17'28	10♈23	8°58	23° 5	15°17	20°52	21°56	3°26	28°10	7°45	5°R20	3°50	3°37	11°25	S 23
S 24	16 4 38	2°15'01	23° 0	9°30	24°18	15°48	20°44	22° 2	3°29	28°10	7°47	5°18	3°47	3°44	11°25	S 24
M25	16 8 35	3°12'32	5♉26	10° 5	25°31	16°19	20°37	22° 9	3°33	28° 9	7°48	5°14	3°44	3°51	11°24	M25
T 26	16 12 31	4°10'03	17°42	10°45	26°44	16°51	20°30	22°15	3°36	28° 9	7°49	5° 8	3°41	3°58	11°24	T 26
W27	16 16 28	5° 7'33	29°50	11°28	27°57	17°22	20°23	22°21	3°39	28° 8	7°50	4°59	3°37	4° 4	11°23	W27
T 28	16 20 25	6° 5'02	11♊52	12°15	29°10	17°54	20°15	22°28	3°42	28° 8	7°52	4°49	3°34	4°11	11°22	T 28
F 29	16 24 21	7° 2'30	23°49	13° 6	0♋23	18°25	20° 8	22°34	3°46	28° 8	7°53	4°37	3°31	4°18	11°22	F 29
S 30	16 28 18	7°59'57	5♋42	14° 1	1°36	18°57	20° 1	22°40	3°49	28° 7	7°54	4°25	3°28	4°24	11°21	S 30
S 31	16 32 14	8♊57'23	17♋34	14♉59	2♋49	19♌29	19♏54	22♈46	3♋52	28♍ 7	7♉55	4♈15	3♈25	4♋31	11♒20	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	14n53	27n29	4n50	16n49	0n49	19n30	0n 9	21n 5	1n58	17s36	1n 9	5n30	2s16	23n46	0n17	1n57	1n28	0s52	15s39	2n29	1n59	28n37	10s50	6n51
S 2	15 11	28 34	5 7	16 22	0 32	19 49	0 12	20 57	1 56	17 34	1 9	5 33	2 17	23 46	0 17	1 57	1 28	0 51	15 39	2 26	1 58	28 37	10 50	6 51
S 3	15 29	28 20	5 10	15 55	0 15	20 8	0 14	20 49	1 55	17 33	1 9	5 35	2 17	23 46	0 17	1 58	1 28	0 51	15 39	2 24	1 57	28 37	10 49	6 51
M 4	15 47	26 48	5 0	15 27	0s 2	20 27	0 17	20 41	1 54	17 31	1 9	5 38	2 17	23 45	0 17	1 58	1 28	0 50	15 39	2 23	1 56	28 37	10 48	6 52
T 5	16 4	24 4	4 37	14 59	0 20	20 44	0 19	20 33	1 53	17 29	1 9	5 41	2 17	23 45	0 17	1 58	1 28	0 50	15 39	2 22	1 54	28 37	10 48	6 52
W 6	16 21	20 15	4 2	14 32	0 37	21 2	0 22	20 24	1 52	17 27	1 9	5 43	2 17	23 45	0 17	1 59	1 28	0 50	15 39	2 22	1 53	28 37	10 47	6 53
T 7	16 38	15 31	3 15	14 5	0 54	21 18	0 24	20 16	1 51	17 25	1 9	5 46	2 17	23 45	0 17	1 59	1 28	0 49	15 39	2 22	1 52	28 37	10 46	6 53
F 8	16 55	10 2	2 17	13 38	1 11	21 35	0 27	20 7	1 49	17 23	1 9	5 48	2 17	23 45	0 17	1 59	1 28	0 49	15 39	2 22	1 51	28 37	10 46	6 54
S 9	17 11	3 59	1 11	13 13	1 27	21 50	0 29	19 59	1 48	17 22	1 9	5 51	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 49	28 37	10 45	6 54
S 10	17 27	2s26	0s 1	12 50	1 43	22 5	0 32	19 50	1 47	17 20	1 9	5 54	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 48	28 37	10 45	6 55
M11	17 43	8 57	1 15	12 28	1 58	22 20	0 34	19 41	1 46	17 18	1 9	5 56	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 47	28 37	10 44	6 55
T 12	17 58	15 13	2 26	12 8	2 12	22 33	0 37	19 32	1 45	17 16	1 9	5 59	2 17	23 45	0 17	2 1	1 27	0 47	15 39	2 22	1 46	28 37	10 44	6 56
W13	18 14	20 49	3 30	11 50	2 25	22 46	0 39	19 23	1 44	17 14	1 9	6 1	2 18	23 45	0 17	2 1	1 27	0 47	15 39	2 20	1 44	28 37	10 43	6 56
T 14	18 28	25 12	4 21	11 35	2 37	22 59	0 42	19 14	1 43	17 12	1 8	6 4	2 18	23 45	0 17	2 1	1 27	0 47	15 39	2 17	1 43	28 36	10 43	6 56
F 15	18 43	27 53	4 54	11 21	2 48	23 11	0 44	19 5	1 42	17 10	1 8	6 6	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 15	1 42	28 36	10 42	6 57
S 16	18 57	28 33	5 7	11 11	2 58	23 22	0 46	18 55	1 41	17 9	1 8	6 8	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 12	1 40	28 36	10 42	6 57
S 17	19 11	27 9	4 59	11 2	3 7	23 32	0 49	18 46	1 40	17 7	1 8	6 11	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 9	1 39	28 36	10 41	6 58
M18	19 25	23 56	4 32	10 57	3 15	23 42	0 51	18 36	1 39	17 5	1 8	6 13	2 18	23 45	0 17	2 2	1 27	0 45	15 40	2 8	1 38	28 36	10 41	6 58
T 19	19 38	19 21	3 49	10 53	3 22	23 51	0 53	18 26	1 38	17 3	1 8	6 16	2 18	23 44	0 17	2 3	1 27	0 45	15 40	2 7	1 37	28 36	10 40	6 59
W20	19 51	13 51	2 54	10 52	3 28	24 0	0 56	18 17	1 36	17 1	1 8	6 18	2 18	23 44	0 17	2 3	1 27	0 45	15 40	2 7	1 35	28 36	10 40	6 59
T 21	20 4	7 50	1 50	10 54	3 32	24 8	0 58	18 7	1 35	16 59	1 8	6 20	2 19	23 44	0 17	2 3	1 27	0 44	15 40	2 7	1 34	28 35	10 40	7 0
F 22	20 16	1 37	0 42	10 57	3 36	24 15	1 0	17 57	1 34	16 57	1 8	6 23	2 19	23 44	0 17	2 3	1 27	0 44	15 40	2 7	1 33	28 35	10 39	7 0
S 23	20 28	4n32	0n27	11 3	3 39	24 21	1 2	17 46	1 33	16 56	1 7	6 25	2 19	23 44	0 17	2 4	1 27	0 44	15 40	2 7	1 32	28 35	10 39	7 0
S 24	20 39	10 24	1 33	11 12	3 41	24 27	1 5	17 36	1 32	16 54	1 7	6 27	2 19	23 44	0 17	2 4	1 27	0 43	15 40	2 7	1 30	28 35	10 39	7 1
M25	20 51	15 46	2 34	11 22	3 42	24 32	1 7	17 26	1 31	16 52	1 7	6 29	2 19	23 44	0 17	2 4	1 27	0 43	15 40	2 5	1 29	28 35	10 38	7 1
T 26	21 2	20 26	3 26	11 34	3 42	24 36	1 9	17 15	1 30	16 50	1 7	6 32	2 19	23 44	0 17	2 4	1 27	0 43	15 41	2 3	1 28	28 35	10 38	7 2
W27	21 12	24 12	4 8	11 48	3 41	24 39	1 11	17 5	1 29	16 48	1 7	6 34	2 19	23 44	0 17	2 4	1 27	0 43	15 41	1 59	1 27	28 34	10 38	7 2
T 28	21 22	26 52	4 39	12 4	3 39	24 42	1 13	16 54	1 28	16 47	1 7	6 36	2 20	23 44	0 17	2 4	1 27	0 42	15 41	1 55	1 25	28 34	10 38	7 3
F 29	21 32	28 18	4 57	12 21	3 37	24 44	1 15	16 43	1 27	16 45	1 7	6 38	2 20	23 44	0 17	2 4	1 27	0 42	15 41	1 50	1 24	28 34	10 37	7 3
S 30	21 41	28 24	5 2	12 41	3 34	24 45	1 17	16 33	1 26	16 43	1 6	6 40	2 20	23 44	0 17	2 5	1 27	0 42	15 41	1 46	1 23	28 34	10 37	7 3
S 31	21n50	27n12	4n55	13n 1	3s30	24n46	1n18	16n22	1n25	16s42	1n 6	6n42	2s20	23n43	0n17	2n 5	1n27	0s42	15s41	1n41	1n22	28n33	10s37	7n 4

Julian Day Number = 2311046.5, Delta T = 71.06 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'17, Lahiri = 18°29'18Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

JUNE 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 36 11	9♊54'48	29♋25	16♉ 0	4♋ 1	20♌ 1	19°R48	22♈52	3♋56	28°R 7	7♉57	4°R 6	3♈21	4♋38	11°R19	M 1
T 2	16 40 7	10°52'12	11♌21	17° 5	5°14	20°33	19♏41	22°58	3°59	28♍ 7	7°58	4♈ 0	3°18	4°45	11♒18	T 2
W 3	16 44 4	11°49'34	23°24	18°13	6°27	21° 6	19°34	23° 4	4° 3	28° 6	7°59	3°56	3°15	4°51	11°17	W 3
T 4	16 48 0	12°46'56	5♍38	19°24	7°40	21°38	19°28	23°10	4° 6	28° 6	8° 0	3°54	3°12	4°58	11°16	T 4
F 5	16 51 57	13°44'16	18° 9	20°38	8°52	22°11	19°21	23°16	4°10	28° 6	8° 1	3°D54	3° 9	5° 5	11°14	F 5
S 6	16 55 54	14°41'36	1♎ 2	21°56	10° 5	22°43	19°15	23°21	4°13	28° 6	8° 2	3°R55	3° 6	5°12	11°13	S 6
S 7	16 59 50	15°38'54	14°20	23°16	11°18	23°16	19° 9	23°27	4°16	28° 6	8° 3	3°54	3° 2	5°18	11°12	S 7
M 8	17 3 47	16°36'11	28° 7	24°40	12°30	23°49	19° 3	23°32	4°20	28° 6	8° 5	3°52	2°59	5°25	11°10	M 8
T 9	17 7 43	17°33'28	12♎22	26° 6	13°43	24°22	18°57	23°38	4°23	28°D 6	8° 6	3°48	2°56	5°32	11° 9	T 9
W10	17 11 40	18°30'44	27° 5	27°36	14°55	24°55	18°51	23°43	4°27	28° 6	8° 7	3°41	2°53	5°38	11° 7	W10
T 11	17 15 36	19°27'59	12♐ 9	29° 8	16° 8	25°28	18°45	23°49	4°30	28° 6	8° 8	3°32	2°50	5°45	11° 6	T 11
F 12	17 19 33	20°25'14	27°25	0♊44	17°20	26° 1	18°40	23°54	4°34	28° 6	8° 9	3°22	2°47	5°52	11° 4	F 12
S 13	17 23 30	21°22'28	12♑41	2°22	18°33	26°34	18°34	23°59	4°37	28° 6	8°10	3°12	2°43	5°59	11° 2	S 13
S 14	17 27 26	22°19'41	27°48	4° 4	19°45	27° 8	18°29	24° 5	4°41	28° 6	8°11	3° 3	2°40	6° 5	11° 1	S 14
M15	17 31 23	23°16'55	12♒35	5°48	20°57	27°41	18°24	24°10	4°45	28° 6	8°12	2°56	2°37	6°12	10°59	M15
T 16	17 35 19	24°14'08	26°57	7°35	22°10	28°15	18°19	24°15	4°48	28° 6	8°13	2°51	2°34	6°19	10°57	T 16
W17	17 39 16	25°11'21	10♓51	9°25	23°22	28°49	18°14	24°20	4°52	28° 7	8°14	2°49	2°31	6°26	10°55	W17
T 18	17 43 12	26° 8'34	24°19	11°17	24°34	29°23	18° 9	24°25	4°55	28° 7	8°15	2°49	2°27	6°32	10°53	T 18
F 19	17 47 9	27° 5'46	7♈23	13°12	25°46	29°56	18° 4	24°30	4°59	28° 7	8°16	2°49	2°24	6°39	10°51	F 19
S 20	17 51 5	28° 2'59	20° 7	15°10	26°59	0♍30	18° 0	24°34	5° 3	28° 7	8°17	2°48	2°21	6°46	10°49	S 20
S 21	17 55 2	29° 0'12	2♉34	17° 9	28°11	1° 5	17°56	24°39	5° 6	28° 8	8°18	2°46	2°18	6°52	10°47	S 21
M22	17 58 59	29°57'25	14°49	19°11	29°23	1°39	17°52	24°44	5°10	28° 8	8°19	2°41	2°15	6°59	10°45	M22
T 23	18 2 55	0♋54'37	26°54	21°15	0♌35	2°13	17°48	24°48	5°13	28° 9	8°20	2°33	2°12	7° 6	10°42	T 23
W24	18 6 52	1°51'50	8♊54	23°21	1°47	2°47	17°44	24°53	5°17	28° 9	8°21	2°22	2° 8	7°13	10°40	W24
T 25	18 10 48	2°49'03	20°49	25°28	2°59	3°22	17°40	24°57	5°21	28°10	8°21	2° 9	2° 5	7°19	10°38	T 25
F 26	18 14 45	3°46'15	2♋42	27°36	4°11	3°56	17°37	25° 1	5°24	28°10	8°22	1°55	2° 2	7°26	10°35	F 26
S 27	18 18 41	4°43'28	14°34	29°46	5°23	4°31	17°33	25° 5	5°28	28°11	8°23	1°41	1°59	7°33	10°33	S 27
S 28	18 22 38	5°40'41	26°26	1♋56	6°35	5° 6	17°30	25°10	5°31	28°11	8°24	1°29	1°56	7°39	10°31	S 28
M29	18 26 34	6°37'53	8♌20	4° 6	7°47	5°40	17°27	25°14	5°35	28°12	8°25	1°18	1°53	7°46	10°28	M29
T 30	18 30 31	7♋35'05	20♌19	6♋16	8♌58	6♍15	17♏25	25♈18	5♋39	28♍13	8♉26	1♈10	1♈49	7♋53	10♒25	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	21n59	24n47	4n34	13n23	3s25	24n46	1n20	16n11	1n24	16s40	1n 6	6n44	2s20	23n43	0n17	2n 5	1n27	0s41	15s41	1n38	1n20	28n33	10s37	7n 4
T 2	22 7	21 16	4 1	13 46	3 20	24 45	1 22	15 59	1 24	16 38	1 6	6 46	2 20	23 43	0 17	2 5	1 27	0 41	15 42	1 36	1 19	28 33	10 37	7 5
W 3	22 15	16 51	3 18	14 11	3 14	24 44	1 24	15 48	1 23	16 37	1 6	6 48	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 34	1 18	28 33	10 37	7 5
T 4	22 23	11 42	2 24	14 37	3 7	24 41	1 25	15 37	1 22	16 35	1 5	6 50	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 33	1 16	28 32	10 37	7 6
F 5	22 30	5 58	1 23	15 3	3 0	24 38	1 27	15 25	1 21	16 33	1 5	6 52	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 33	1 15	28 32	10 37	7 6
S 6	22 37	0s11	0 15	15 31	2 53	24 35	1 28	15 14	1 20	16 32	1 5	6 54	2 21	23 43	0 17	2 5	1 27	0 40	15 42	1 33	1 14	28 32	10 37	7 6
S 7	22 43	6 30	0s55	15 59	2 44	24 30	1 30	15 2	1 19	16 30	1 5	6 56	2 21	23 43	0 17	2 5	1 27	0 40	15 42	1 33	1 13	28 31	10 36	7 7
M 8	22 49	12 46	2 5	16 28	2 36	24 25	1 31	14 50	1 18	16 29	1 5	6 58	2 22	23 43	0 17	2 5	1 26	0 40	15 43	1 33	1 11	28 31	10 36	7 7
T 9	22 54	18 34	3 9	16 57	2 27	24 19	1 33	14 38	1 17	16 28	1 5	7 0	2 22	23 43	0 17	2 5	1 26	0 40	15 43	1 31	1 10	28 31	10 36	7 8
W10	23 0	23 29	4 2	17 27	2 17	24 13	1 34	14 26	1 16	16 26	1 4	7 2	2 22	23 42	0 17	2 5	1 26	0 40	15 43	1 28	1 9	28 30	10 37	7 8
T 11	23 4	26 56	4 40	17 57	2 7	24 5	1 35	14 14	1 15	16 25	1 4	7 4	2 22	23 42	0 17	2 5	1 26	0 40	15 43	1 24	1 8	28 30	10 37	7 8
F 12	23 9	28 27	4 59	18 27	1 57	23 58	1 36	14 2	1 14	16 23	1 4	7 5	2 22	23 42	0 17	2 5	1 26	0 39	15 43	1 20	1 6	28 30	10 37	7 9
S 13	23 13	27 48	4 57	18 57	1 46	23 49	1 38	13 50	1 13	16 22	1 4	7 7	2 23	23 42	0 17	2 5	1 26	0 39	15 43	1 16	1 5	28 29	10 37	7 9
S 14	23 16	25 7	4 34	19 27	1 35	23 40	1 39	13 38	1 12	16 21	1 3	7 9	2 23	23 42	0 17	2 5	1 26	0 39	15 44	1 13	1 4	28 29	10 37	7 9
M15	23 19	20 47	3 52	19 57	1 24	23 30	1 40	13 25	1 12	16 20	1 3	7 11	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 10	1 3	28 29	10 37	7 10
T 16	23 22	15 20	2 57	20 26	1 12	23 19	1 40	13 13	1 11	16 18	1 3	7 12	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 8	1 1	28 28	10 37	7 10
W17	23 24	9 15	1 53	20 54	1 1	23 8	1 41	13 0	1 10	16 17	1 3	7 14	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 7	1 0	28 28	10 37	7 10
T 18	23 26	2 57	0 45	21 22	0 49	22 56	1 42	12 47	1 9	16 16	1 3	7 15	2 24	23 41	0 17	2 4	1 26	0 39	15 44	1 7	0 59	28 27	10 38	7 11
F 19	23 28	3n18	0n24	21 49	0 38	22 43	1 43	12 35	1 8	16 15	1 2	7 17	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 7	0 58	28 27	10 38	7 11
S 20	23 29	9 16	1 30	22 14	0 26	22 30	1 43	12 22	1 7	16 14	1 2	7 19	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 7	0 56	28 27	10 38	7 11
S 21	23 29	14 44	2 30	22 38	0 15	22 16	1 44	12 9	1 6	16 13	1 2	7 20	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 6	0 55	28 26	10 38	7 12
M22	23 30	19 32	3 22	23 0	0 3	22 2	1 44	11 56	1 5	16 12	1 2	7 21	2 24	23 41	0 17	2 3	1 26	0 39	15 45	1 4	0 54	28 26	10 39	7 12
T 23	23 29	23 28	4 4	23 20	0n 8	21 46	1 45	11 43	1 5	16 11	1 1	7 23	2 25	23 41	0 17	2 3	1 26	0 38	15 46	1 1	0 52	28 25	10 39	7 12
W24	23 29	26 22	4 35	23 38	0 19	21 31	1 45	11 29	1 4	16 11	1 1	7 24	2 25	23 41	0 17	2 3	1 26	0 38	15 46	0 57	0 51	28 25	10 39	7 13
T 25	23 28	28 3	4 54	23 54	0 29	21 14	1 45	11 16	1 3	16 10	1 1	7 26	2 25	23 40	0 18	2 3	1 26	0 38	15 46	0 52	0 50	28 24	10 39	7 13
F 26	23 26	28 27	4 59	24 7	0 39	20 58	1 45	11 3	1 2	16 9	1 1	7 27	2 25	23 40	0 18	2 2	1 26	0 38	15 46	0 46	0 49	28 24	10 40	7 13
S 27	23 24	27 32	4 52	24 18	0 49	20 40	1 46	10 49	1 1	16 8	1 0	7 28	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 40	0 47	28 23	10 40	7 14
S 28	23 22	25 22	4 32	24 26	0 57	20 22	1 45	10 36	1 0	16 8	1 0	7 30	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 35	0 46	28 23	10 41	7 14
M29	23 20	22 5	4 0	24 31	1 6	20 4	1 45	10 22	0 59	16 7	1 0	7 31	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 31	0 45	28 22	10 41	7 14
T 30	23n16	17n52	3n17	24n34	1n13	19n45	1n45	10n 9	0n59	16s 7	1n 0	7n32	2s26	23n40	0n18	2n 1	1n26	0s38	15s47	0n28	0n44	28n22	10s41	7n14

Julian Day Number = 2311077.5, Delta T = 70.97 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'22, Lahiri = 18°29'22Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

JULY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 34 28	8♋32'17	2♍24	8♋27	10♌10	6♍50	17°R22	25♈21	5♋42	28♍13	8♉26	1°R 5	1♈46	8♋ 0	10°R23	W 1
T 2	18 38 24	9°29'29	14°40	10°36	11°22	7°25	17♏20	25°25	5°46	28°14	8°27	1♈ 2	1°43	8° 6	10♒20	T 2
F 3	18 42 21	10°26'40	27°11	12°45	12°34	8° 0	17°17	25°29	5°50	28°15	8°28	1°D 1	1°40	8°13	10°18	F 3
S 4	18 46 17	11°23'52	10♎ 1	14°54	13°45	8°36	17°15	25°33	5°53	28°15	8°28	1°R 1	1°37	8°20	10°15	S 4
S 5	18 50 14	12°21'03	23°14	17° 1	14°57	9°11	17°13	25°36	5°57	28°16	8°29	1° 1	1°33	8°27	10°12	S 5
M 6	18 54 10	13°18'15	6♏54	19° 7	16° 8	9°46	17°12	25°39	6° 0	28°17	8°30	0°59	1°30	8°33	10° 9	M 6
T 7	18 58 7	14°15'26	21° 2	21°11	17°20	10°22	17°10	25°43	6° 4	28°18	8°31	0°55	1°27	8°40	10° 6	T 7
W 8	19 2 3	15°12'38	5♐38	23°14	18°31	10°57	17° 9	25°46	6° 8	28°19	8°31	0°49	1°24	8°47	10° 4	W 8
T 9	19 6 0	16° 9'49	20°37	25°15	19°43	11°33	17° 8	25°49	6°11	28°20	8°32	0°40	1°21	8°53	10° 1	T 9
F 10	19 9 57	17° 7'01	5♑51	27°15	20°54	12° 9	17° 7	25°52	6°15	28°21	8°32	0°31	1°18	9° 0	9°58	F 10
S 11	19 13 53	18° 4'13	21°10	29°13	22° 5	12°44	17° 6	25°55	6°18	28°22	8°33	0°21	1°14	9° 7	9°55	S 11
S 12	19 17 50	19° 1'26	6♒23	1♌ 9	23°16	13°20	17° 5	25°58	6°22	28°23	8°34	0°12	1°11	9°14	9°52	S 12
M13	19 21 46	19°58'39	21°19	3° 4	24°28	13°56	17° 5	26° 1	6°25	28°24	8°34	0° 5	1° 8	9°20	9°49	M13
T 14	19 25 43	20°55'52	5♓50	4°57	25°39	14°32	17° 5	26° 4	6°29	28°25	8°35	0° 0	1° 5	9°27	9°46	T 14
W15	19 29 39	21°53'06	19°54	6°48	26°50	15° 8	17°D 4	26° 6	6°33	28°26	8°35	29♓58	1° 2	9°34	9°43	W15
T 16	19 33 36	22°50'21	3♈28	8°37	28° 1	15°44	17° 5	26° 9	6°36	28°27	8°36	29°D58	0°59	9°41	9°40	T 16
F 17	19 37 32	23°47'37	16°35	10°24	29°12	16°21	17° 5	26°11	6°40	28°28	8°36	29°58	0°55	9°47	9°37	F 17
S 18	19 41 29	24°44'54	29°20	12°10	0♍23	16°57	17° 5	26°13	6°43	28°29	8°37	29°R59	0°52	9°54	9°33	S 18
S 19	19 45 26	25°42'11	11♉45	13°53	1°33	17°33	17° 6	26°16	6°47	28°31	8°37	29°57	0°49	10° 1	9°30	S 19
M20	19 49 22	26°39'30	23°57	15°35	2°44	18°10	17° 7	26°18	6°50	28°32	8°37	29°54	0°46	10° 7	9°27	M20
T 21	19 53 19	27°36'50	5♊58	17°16	3°55	18°46	17° 8	26°20	6°53	28°33	8°38	29°48	0°43	10°14	9°24	T 21
W22	19 57 15	28°34'10	17°53	18°54	5° 6	19°23	17° 9	26°22	6°57	28°34	8°38	29°40	0°39	10°21	9°21	W22
T 23	20 1 12	29°31'32	29°45	20°31	6°16	19°59	17°10	26°24	7° 0	28°36	8°39	29°30	0°36	10°28	9°18	T 23
F 24	20 5 8	0♌28'54	11♋37	22° 6	7°27	20°36	17°12	26°25	7° 4	28°37	8°39	29°19	0°33	10°34	9°14	F 24
S 25	20 9 5	1°26'17	23°30	23°39	8°37	21°13	17°14	26°27	7° 7	28°38	8°39	29° 8	0°30	10°41	9°11	S 25
S 26	20 13 2	2°23'41	5♌26	25°10	9°48	21°50	17°16	26°28	7°10	28°40	8°40	28°58	0°27	10°48	9° 8	S 26
M27	20 16 58	3°21'06	17°26	26°40	10°58	22°27	17°18	26°30	7°14	28°41	8°40	28°49	0°24	10°54	9° 5	M27
T 28	20 20 55	4°18'32	29°33	28° 8	12° 8	23° 4	17°20	26°31	7°17	28°43	8°40	28°43	0°20	11° 1	9° 1	T 28
W29	20 24 51	5°15'58	11♍47	29°34	13°19	23°41	17°22	26°32	7°20	28°44	8°40	28°39	0°17	11° 8	8°58	W29
T 30	20 28 48	6°13'25	24°12	0♍58	14°29	24°18	17°25	26°33	7°24	28°46	8°41	28°D38	0°14	11°15	8°55	T 30
F 31	20 32 44	7♌10'53	6♎49	2♍20	15♍39	24♍55	17♏28	26♈34	7♋27	28♍47	8♉41	28♓38	0♈11	11♋21	8♒52	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	23n13	12n54	2n25	24n34	1n20	19n25	1n45	9n55	0n58	16s 6	0n59	7n33	2s27	23n40	0n18	2n 1	1n26	0s38	15s48	0n26	0n42	28n21	10s42	7n15
T 2	23 9	7 22	1 25	24 30	1 27	19 5	1 45	9 41	0 57	16 6	0 59	7 34	2 27	23 39	0 18	2 1	1 26	0 38	15 48	0 25	0 41	28 21	10 42	7 15
F 3	23 5	1 26	0 20	24 25	1 32	18 44	1 44	9 27	0 56	16 5	0 59	7 36	2 27	23 39	0 18	2 0	1 25	0 38	15 48	0 24	0 40	28 20	10 43	7 15
S 4	23 0	4s42	0s47	24 16	1 37	18 23	1 44	9 13	0 55	16 5	0 59	7 37	2 27	23 39	0 18	2 0	1 25	0 38	15 48	0 24	0 39	28 20	10 43	7 15
S 5	22 55	10 49	1 55	24 5	1 41	18 2	1 43	8 59	0 54	16 5	0 58	7 38	2 27	23 39	0 18	2 0	1 25	0 38	15 49	0 24	0 37	28 19	10 44	7 15
M 6	22 49	16 38	2 58	23 51	1 44	17 40	1 42	8 45	0 54	16 4	0 58	7 39	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 24	0 36	28 19	10 44	7 16
T 7	22 44	21 47	3 52	23 35	1 47	17 17	1 42	8 31	0 53	16 4	0 58	7 40	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 22	0 35	28 18	10 45	7 16
W 8	22 37	25 46	4 33	23 16	1 49	16 54	1 41	8 16	0 52	16 4	0 58	7 41	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 19	0 33	28 17	10 45	7 16
T 9	22 31	28 5	4 57	22 56	1 50	16 31	1 40	8 2	0 51	16 4	0 57	7 42	2 29	23 38	0 18	1 58	1 25	0 39	15 50	0 16	0 32	28 17	10 46	7 16
F 10	22 24	28 21	5 0	22 33	1 50	16 7	1 39	7 48	0 50	16 4	0 57	7 42	2 29	23 38	0 18	1 58	1 25	0 39	15 50	0 12	0 31	28 16	10 46	7 16
S 11	22 16	26 28	4 42	22 9	1 50	15 43	1 38	7 33	0 50	16 4	0 57	7 43	2 29	23 38	0 18	1 57	1 25	0 39	15 50	0 8	0 30	28 16	10 47	7 17
S 12	22 8	22 39	4 4	21 43	1 49	15 19	1 37	7 19	0 49	16 4	0 57	7 44	2 29	23 38	0 18	1 57	1 25	0 39	15 51	0 5	0 28	28 15	10 48	7 17
M13	22 0	17 25	3 10	21 16	1 48	14 54	1 35	7 4	0 48	16 4	0 56	7 45	2 30	23 38	0 18	1 56	1 25	0 39	15 51	0 2	0 27	28 15	10 48	7 17
T 14	21 51	11 19	2 4	20 47	1 45	14 28	1 34	6 50	0 47	16 4	0 56	7 46	2 30	23 38	0 18	1 56	1 25	0 39	15 51	0 0	0 26	28 14	10 49	7 17
W15	21 43	4 50	0 53	20 16	1 43	14 3	1 33	6 35	0 46	16 5	0 56	7 46	2 30	23 37	0 18	1 55	1 25	0 39	15 51	0s 1	0 25	28 13	10 50	7 17
T 16	21 33	1n40	0n19	19 45	1 39	13 37	1 31	6 20	0 46	16 5	0 56	7 47	2 30	23 37	0 18	1 55	1 25	0 39	15 52	0 1	0 23	28 13	10 50	7 17
F 17	21 23	7 53	1 27	19 12	1 36	13 11	1 30	6 5	0 45	16 5	0 55	7 48	2 31	23 37	0 18	1 54	1 25	0 40	15 52	0 1	0 22	28 12	10 51	7 17
S 18	21 13	13 35	2 30	18 39	1 31	12 44	1 28	5 50	0 44	16 6	0 55	7 48	2 31	23 37	0 18	1 54	1 25	0 40	15 52	0 1	0 21	28 11	10 52	7 18
S 19	21 3	18 37	3 23	18 4	1 26	12 17	1 26	5 36	0 43	16 6	0 55	7 49	2 31	23 37	0 18	1 53	1 25	0 40	15 53	0 1	0 20	28 11	10 52	7 18
M20	20 52	22 46	4 6	17 29	1 21	11 50	1 24	5 21	0 42	16 6	0 55	7 49	2 31	23 37	0 18	1 53	1 25	0 40	15 53	0 2	0 18	28 10	10 53	7 18
T 21	20 41	25 54	4 38	16 54	1 15	11 22	1 22	5 5	0 42	16 7	0 54	7 50	2 32	23 36	0 18	1 52	1 25	0 40	15 53	0 5	0 17	28 9	10 54	7 18
W22	20 30	27 52	4 57	16 17	1 9	10 54	1 20	4 50	0 41	16 8	0 54	7 50	2 32	23 36	0 18	1 52	1 25	0 40	15 53	0 8	0 16	28 9	10 55	7 18
T 23	20 18	28 33	5 3	15 40	1 3	10 26	1 18	4 35	0 40	16 8	0 54	7 50	2 32	23 36	0 18	1 51	1 25	0 41	15 54	0 12	0 14	28 8	10 55	7 18
F 24	20 6	27 54	4 57	15 3	0 56	9 58	1 16	4 20	0 39	16 9	0 54	7 51	2 32	23 36	0 18	1 51	1 25	0 41	15 54	0 16	0 13	28 7	10 56	7 18
S 25	19 53	25 59	4 37	14 26	0 49	9 29	1 14	4 5	0 39	16 10	0 53	7 51	2 33	23 36	0 18	1 50	1 25	0 41	15 54	0 21	0 12	28 7	10 57	7 18
S 26	19 40	22 55	4 5	13 48	0 41	9 1	1 11	3 50	0 38	16 10	0 53	7 51	2 33	23 36	0 18	1 50	1 25	0 41	15 55	0 25	0 11	28 6	10 58	7 18
M27	19 27	18 51	3 22	13 10	0 33	8 32	1 9	3 34	0 37	16 11	0 53	7 52	2 33	23 35	0 18	1 49	1 25	0 41	15 55	0 28	0 9	28 5	10 58	7 18
T 28	19 13	13 59	2 29	12 32	0 25	8 2	1 6	3 19	0 36	16 12	0 53	7 52	2 34	23 35	0 18	1 48	1 25	0 42	15 55	0 31	0 8	28 4	10 59	7 18
W29	19 0	8 32	1 29	11 54	0 16	7 33	1 4	3 3	0 36	16 13	0 52	7 52	2 34	23 35	0 18	1 48	1 25	0 42	15 56	0 32	0 7	28 4	11 0	7 18
T 30	18 45	2 40	0 24	11 16	0 8	7 4	1 1	2 48	0 35	16 14	0 52	7 52	2 34	23 35	0 18	1 47	1 25	0 42	15 56	0 33	0 6	28 3	11 1	7 18
F 31	18n31	3s23	0s44	10n38	0s 1	6n34	0n58	2n33	0n34	16s15	0n52	7n52	2s34	23n35	0n18	1n47	1n24	0s42	15s56	0s33	0n 4	28n 2	11s 2	7n18

Julian Day Number = 2311107.5, Delta T = 70.89 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'26, Lahiri = 18°29'26Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

AUGUST 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 36 41	8♌ 8'22	19♎43	3♍41	16♍49	25♍33	17♏31	26♈35	7♋30	28♍49	8♉41	28♓39	0♈ 8	11♋28	8°R48	S 1
S 2	20 40 37	9° 5'51	2♏56	4°59	17°59	26°10	17°34	26°36	7°33	28°50	8°41	28°R40	0° 5	11°35	8♒45	S 2
M 3	20 44 34	10° 3'22	16°31	6°16	19° 9	26°48	17°37	26°37	7°37	28°52	8°41	28°40	0° 1	11°42	8°42	M 3
T 4	20 48 30	11° 0'53	0♐30	7°30	20°18	27°25	17°41	26°37	7°40	28°53	8°41	28°38	29♓58	11°48	8°38	T 4
W 5	20 52 27	11°58'25	14°52	8°42	21°28	28° 3	17°44	26°38	7°43	28°55	8°41	28°35	29°55	11°55	8°35	W 5
T 6	20 56 24	12°55'58	29°36	9°52	22°38	28°40	17°48	26°38	7°46	28°57	8°41	28°30	29°52	12° 2	8°32	T 6
F 7	21 0 20	13°53'32	14♑35	11° 0	23°47	29°18	17°52	26°38	7°49	28°58	8°42	28°23	29°49	12° 8	8°29	F 7
S 8	21 4 17	14°51'07	29°40	12° 5	24°57	29°56	17°56	26°38	7°52	29° 0	8°42	28°17	29°45	12°15	8°25	S 8
S 9	21 8 13	15°48'43	14♒44	13° 8	26° 6	0♎34	18° 1	26°R38	7°55	29° 2	8°R42	28°11	29°42	12°22	8°22	S 9
M10	21 12 10	16°46'21	29°35	14° 9	27°15	1°12	18° 5	26°38	7°58	29° 4	8°42	28° 7	29°39	12°29	8°19	M10
T 11	21 16 6	17°43'59	14♓ 7	15° 6	28°24	1°50	18°10	26°38	8° 1	29° 5	8°41	28° 4	29°36	12°35	8°16	T 11
W12	21 20 3	18°41'39	28°13	16° 1	29°33	2°28	18°15	26°38	8° 4	29° 7	8°41	28°D 3	29°33	12°42	8°13	W12
T 13	21 24 0	19°39'21	11♈53	16°53	0♎42	3° 6	18°20	26°38	8° 7	29° 9	8°41	28° 4	29°30	12°49	8° 9	T 13
F 14	21 27 56	20°37'04	25° 6	17°42	1°51	3°44	18°25	26°37	8°10	29°11	8°41	28° 5	29°26	12°55	8° 6	F 14
S 15	21 31 53	21°34'49	7♉54	18°27	3° 0	4°23	18°30	26°37	8°13	29°13	8°41	28° 7	29°23	13° 2	8° 3	S 15
S 16	21 35 49	22°32'35	20°23	19° 9	4° 8	5° 1	18°35	26°36	8°16	29°14	8°41	28°R 8	29°20	13° 9	8° 0	S 16
M17	21 39 46	23°30'23	2♊35	19°47	5°17	5°39	18°41	26°35	8°19	29°16	8°41	28° 7	29°17	13°16	7°57	M17
T 18	21 43 42	24°28'13	14°37	20°21	6°26	6°18	18°47	26°34	8°21	29°18	8°41	28° 5	29°14	13°22	7°54	T 18
W19	21 47 39	25°26'05	26°31	20°51	7°34	6°56	18°53	26°33	8°24	29°20	8°40	28° 2	29°11	13°29	7°51	W19
T 20	21 51 35	26°23'59	8♋23	21°16	8°42	7°35	18°59	26°32	8°27	29°22	8°40	27°58	29° 7	13°36	7°48	T 20
F 21	21 55 32	27°21'54	20°15	21°37	9°50	8°14	19° 5	26°31	8°30	29°24	8°40	27°52	29° 4	13°42	7°45	F 21
S 22	21 59 29	28°19'51	2♌11	21°53	10°58	8°52	19°11	26°30	8°32	29°26	8°40	27°47	29° 1	13°49	7°42	S 22
S 23	22 3 25	29°17'50	14°14	22° 4	12° 6	9°31	19°18	26°28	8°35	29°28	8°39	27°42	28°58	13°56	7°39	S 23
M24	22 7 22	0♍15'50	26°23	22°R 9	13°14	10°10	19°24	26°27	8°37	29°30	8°39	27°38	28°55	14° 3	7°36	M24
T 25	22 11 18	1°13'52	8♍42	22° 8	14°22	10°49	19°31	26°25	8°40	29°32	8°39	27°36	28°51	14° 9	7°33	T 25
W26	22 15 15	2°11'55	21°12	22° 2	15°29	11°28	19°38	26°23	8°42	29°34	8°38	27°34	28°48	14°16	7°30	W26
T 27	22 19 11	3°10'00	3♎53	21°49	16°37	12° 7	19°45	26°21	8°45	29°36	8°38	27°D34	28°45	14°23	7°27	T 27
F 28	22 23 8	4° 8'06	16°46	21°31	17°44	12°47	19°52	26°20	8°47	29°38	8°38	27°35	28°42	14°30	7°24	F 28
S 29	22 27 4	5° 6'14	29°53	21° 5	18°51	13°26	19°59	26°18	8°50	29°40	8°37	27°37	28°39	14°36	7°22	S 29
S 30	22 31 1	6° 4'24	13♏16	20°34	19°58	14° 5	20° 7	26°15	8°52	29°42	8°37	27°38	28°36	14°43	7°19	S 30
M31	22 34 57	7♍ 2'35	26♏54	19♍57	21♎ 5	14♎44	20♏15	26♈13	8♋54	29♍44	8♉36	27♓39	28♓32	14♋50	7♒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	18n16	9s26	1s51	10n 1	0s11	6n 4	0n55	2n17	0n33	16s16	0n52	7n52	2s35	23n35	0n18	1n46	1n24	0s42	15s57	0s32	0n 3	28n 1	11s 3	7n18
S 2	18 1	15 14	2 54	9 23	0 20	5 34	0 52	2 1	0 33	16 17	0 51	7 52	2 35	23 34	0 18	1 45	1 24	0 43	15 57	0 32	0 2	28 1	11 3	7 18
M 3	17 46	20 28	3 49	8 46	0 30	5 4	0 49	1 46	0 32	16 18	0 51	7 52	2 35	23 34	0 18	1 45	1 24	0 43	15 57	0 32	0 1	28 0	11 4	7 18
T 4	17 30	24 44	4 32	8 10	0 40	4 33	0 46	1 30	0 31	16 20	0 51	7 52	2 35	23 34	0 18	1 44	1 24	0 43	15 57	0 33	0s 1	27 59	11 5	7 18
W 5	17 14	27 35	4 59	7 33	0 50	4 3	0 43	1 15	0 30	16 21	0 51	7 52	2 36	23 34	0 18	1 43	1 24	0 43	15 58	0 34	0 2	27 58	11 6	7 18
T 6	16 58	28 37	5 8	6 57	1 0	3 32	0 40	0 59	0 30	16 22	0 50	7 52	2 36	23 34	0 18	1 43	1 24	0 44	15 58	0 36	0 3	27 57	11 7	7 18
F 7	16 42	27 36	4 56	6 22	1 10	3 2	0 36	0 43	0 29	16 24	0 50	7 52	2 36	23 34	0 18	1 42	1 24	0 44	15 58	0 39	0 5	27 56	11 8	7 18
S 8	16 25	24 33	4 23	5 48	1 21	2 31	0 33	0 27	0 28	16 25	0 50	7 52	2 37	23 33	0 18	1 41	1 24	0 44	15 59	0 41	0 6	27 56	11 9	7 18
S 9	16 8	19 50	3 33	5 14	1 31	2 0	0 30	0 12	0 27	16 26	0 50	7 52	2 37	23 33	0 18	1 40	1 24	0 45	15 59	0 43	0 7	27 55	11 10	7 18
M10	15 51	13 57	2 28	4 41	1 42	1 30	0 26	0s 4	0 27	16 28	0 49	7 51	2 37	23 33	0 18	1 40	1 24	0 45	15 59	0 45	0 8	27 54	11 11	7 18
T 11	15 33	7 25	1 15	4 9	1 53	0 59	0 23	0 20	0 26	16 29	0 49	7 51	2 37	23 33	0 18	1 39	1 24	0 45	16 0	0 46	0 10	27 53	11 11	7 17
W12	15 15	0 42	0n 1	3 38	2 3	0 28	0 19	0 36	0 25	16 31	0 49	7 51	2 38	23 33	0 18	1 38	1 24	0 46	16 0	0 46	0 11	27 52	11 12	7 17
T 13	14 57	5n51	1 14	3 8	2 14	0s 3	0 15	0 52	0 24	16 32	0 49	7 50	2 38	23 33	0 18	1 38	1 24	0 46	16 0	0 46	0 12	27 51	11 13	7 17
F 14	14 39	11 56	2 22	2 39	2 25	0 34	0 11	1 8	0 24	16 34	0 49	7 50	2 38	23 33	0 18	1 37	1 24	0 46	16 1	0 46	0 13	27 51	11 14	7 17
S 15	14 21	17 19	3 20	2 12	2 35	1 5	0 8	1 23	0 23	16 36	0 48	7 49	2 38	23 32	0 18	1 36	1 24	0 46	16 1	0 45	0 15	27 50	11 15	7 17
S 16	14 2	21 50	4 7	1 46	2 46	1 36	0 4	1 39	0 22	16 38	0 48	7 49	2 39	23 32	0 18	1 35	1 24	0 47	16 1	0 45	0 16	27 49	11 16	7 17
M17	13 43	25 19	4 41	1 22	2 56	2 7	0s 0	1 55	0 22	16 39	0 48	7 48	2 39	23 32	0 18	1 34	1 24	0 47	16 1	0 45	0 17	27 48	11 17	7 16
T 18	13 24	27 37	5 3	0 59	3 6	2 37	0 4	2 11	0 21	16 41	0 48	7 48	2 39	23 32	0 18	1 34	1 24	0 47	16 2	0 46	0 18	27 47	11 18	7 16
W19	13 4	28 38	5 11	0 38	3 16	3 8	0 8	2 27	0 20	16 43	0 47	7 47	2 39	23 32	0 18	1 33	1 24	0 48	16 2	0 47	0 20	27 46	11 19	7 16
T 20	12 45	28 19	5 6	0 19	3 25	3 39	0 13	2 43	0 19	16 45	0 47	7 47	2 40	23 32	0 18	1 32	1 24	0 48	16 2	0 49	0 21	27 45	11 20	7 16
F 21	12 25	26 43	4 48	0 3	3 34	4 10	0 17	2 59	0 19	16 47	0 47	7 46	2 40	23 31	0 18	1 31	1 24	0 49	16 3	0 51	0 22	27 44	11 21	7 16
S 22	12 5	23 54	4 18	0s11	3 43	4 40	0 21	3 15	0 18	16 49	0 47	7 45	2 40	23 31	0 18	1 31	1 24	0 49	16 3	0 53	0 24	27 43	11 22	7 15
S 23	11 45	20 2	3 35	0 23	3 51	5 11	0 25	3 31	0 17	16 51	0 47	7 44	2 40	23 31	0 18	1 30	1 24	0 49	16 3	0 55	0 25	27 42	11 23	7 15
M24	11 24	15 18	2 43	0 32	3 58	5 41	0 30	3 47	0 17	16 53	0 46	7 44	2 41	23 31	0 18	1 29	1 24	0 50	16 3	0 56	0 26	27 41	11 24	7 15
T 25	11 4	9 54	1 42	0 38	4 5	6 12	0 34	4 3	0 16	16 55	0 46	7 43	2 41	23 31	0 18	1 28	1 24	0 50	16 4	0 58	0 27	27 40	11 25	7 15
W26	10 43	4 2	0 35	0 41	4 11	6 42	0 38	4 19	0 15	16 57	0 46	7 42	2 41	23 31	0 18	1 27	1 24	0 50	16 4	0 58	0 29	27 39	11 26	7 15
T 27	10 22	2s 4	0s35	0 40	4 16	7 12	0 43	4 35	0 14	16 59	0 46	7 41	2 41	23 31	0 18	1 26	1 24	0 51	16 4	0 58	0 30	27 38	11 27	7 14
F 28	10 1	8 12	1 44	0 36	4 20	7 42	0 47	4 51	0 14	17 1	0 45	7 40	2 42	23 30	0 18	1 26	1 24	0 51	16 5	0 58	0 31	27 37	11 27	7 14
S 29	9 40	14 5	2 49	0 28	4 22	8 12	0 52	5 7	0 13	17 3	0 45	7 39	2 42	23 30	0 18	1 25	1 24	0 51	16 5	0 57	0 32	27 36	11 28	7 14
S 30	9 18	19 26	3 46	0 17	4 23	8 42	0 57	5 23	0 12	17 5	0 45	7 38	2 42	23 30	0 19	1 24	1 24	0 52	16 5	0 57	0 34	27 35	11 29	7 13
M31	8n57	23s54	4s31	0s 2	4s22	9s11	1s 1	5s39	0n12	17s 7	0n45	7n37	2s42	23n30	0n19	1n23	1n24	0s52	16s 5	0s56	0s35	27n34	11s30	7n13

Julian Day Number = 2311138.5, Delta T = 70.81 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'30, Lahiri = 18°29'31Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

SEPTEMBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 38 54	8♍ 0'48	10♐49	19°R14	22♎12	15♎24	20♏22	26°R11	8♋57	29♍46	8°R36	27°R39	28♓29	14♋56	7°R14	T 1
W 2	22 42 51	8°59'02	25° 1	18♍25	23°19	16° 3	20°30	26♈ 9	8°59	29°48	8♉36	27♓39	28°26	15° 3	7♒11	W 2
T 3	22 46 47	9°57'17	9♑26	17°33	24°25	16°43	20°38	26° 6	9° 1	29°51	8°35	27°37	28°23	15°10	7° 8	T 3
F 4	22 50 44	10°55'34	24° 2	16°36	25°31	17°23	20°46	26° 3	9° 3	29°53	8°35	27°35	28°20	15°17	7° 6	F 4
S 5	22 54 40	11°53'53	8♒44	15°37	26°37	18° 2	20°54	26° 1	9° 5	29°55	8°34	27°33	28°16	15°23	7° 3	S 5
S 6	22 58 37	12°52'13	23°24	14°36	27°43	18°42	21° 3	25°58	9° 7	29°57	8°33	27°32	28°13	15°30	7° 1	S 6
M 7	23 2 33	13°50'35	7♓56	13°35	28°49	19°22	21°11	25°55	9° 9	29°59	8°33	27°30	28°10	15°37	6°59	M 7
T 8	23 6 30	14°48'59	22°15	12°35	29°55	20° 2	21°20	25°52	9°11	0♎ 1	8°32	27°D30	28° 7	15°43	6°56	T 8
W 9	23 10 26	15°47'24	6♈14	11°38	1♏ 0	20°42	21°28	25°49	9°13	0° 4	8°32	27°30	28° 4	15°50	6°54	W 9
T 10	23 14 23	16°45'52	19°51	10°45	2° 5	21°22	21°37	25°46	9°15	0° 6	8°31	27°30	28° 1	15°57	6°52	T 10
F 11	23 18 20	17°44'22	3♉ 5	9°57	3°10	22° 2	21°46	25°43	9°17	0° 8	8°30	27°31	27°57	16° 4	6°50	F 11
S 12	23 22 16	18°42'54	15°57	9°16	4°15	22°42	21°55	25°40	9°19	0°10	8°30	27°32	27°54	16°10	6°47	S 12
S 13	23 26 13	19°41'28	28°29	8°43	5°20	23°22	22° 4	25°36	9°20	0°12	8°29	27°33	27°51	16°17	6°45	S 13
M14	23 30 9	20°40'04	10♊44	8°18	6°24	24° 3	22°14	25°33	9°22	0°14	8°28	27°33	27°48	16°24	6°43	M14
T 15	23 34 6	21°38'43	22°47	8° 2	7°29	24°43	22°23	25°29	9°24	0°17	8°28	27°R33	27°45	16°30	6°41	T 15
W16	23 38 2	22°37'24	4♋43	7°D56	8°33	25°23	22°33	25°26	9°25	0°19	8°27	27°33	27°42	16°37	6°39	W16
T 17	23 41 59	23°36'07	16°35	8° 0	9°36	26° 4	22°42	25°22	9°27	0°21	8°26	27°33	27°38	16°44	6°38	T 17
F 18	23 45 55	24°34'52	28°29	8°13	10°40	26°45	22°52	25°19	9°28	0°23	8°25	27°33	27°35	16°51	6°36	F 18
S 19	23 49 52	25°33'39	10♌28	8°37	11°43	27°25	23° 2	25°15	9°30	0°26	8°25	27°32	27°32	16°57	6°34	S 19
S 20	23 53 49	26°32'29	22°35	9° 9	12°46	28° 6	23°12	25°11	9°31	0°28	8°24	27°32	27°29	17° 4	6°32	S 20
M21	23 57 45	27°31'21	4♍55	9°51	13°49	28°47	23°22	25° 7	9°33	0°30	8°23	27°D32	27°26	17°11	6°31	M21
T 22	0 1 42	28°30'15	17°27	10°41	14°52	29°28	23°32	25° 3	9°34	0°32	8°22	27°32	27°22	17°17	6°29	T 22
W23	0 5 38	29°29'11	0♎15	11°39	15°54	0♏ 8	23°42	24°59	9°35	0°35	8°21	27°R32	27°19	17°24	6°28	W23
T 24	0 9 35	0♎28'08	13°17	12°44	16°56	0°49	23°52	24°55	9°36	0°37	8°21	27°32	27°16	17°31	6°26	T 24
F 25	0 13 31	1°27'08	26°34	13°56	17°58	1°30	24° 3	24°51	9°37	0°39	8°20	27°32	27°13	17°38	6°25	F 25
S 26	0 17 28	2°26'10	10♏ 5	15°13	19° 0	2°12	24°13	24°46	9°39	0°41	8°19	27°31	27°10	17°44	6°23	S 26
S 27	0 21 24	3°25'14	23°48	16°36	20° 1	2°53	24°24	24°42	9°40	0°43	8°18	27°31	27° 7	17°51	6°22	S 27
M28	0 25 21	4°24'20	7♐41	18° 3	21° 2	3°34	24°34	24°38	9°41	0°46	8°17	27°30	27° 3	17°58	6°21	M28
T 29	0 29 18	5°23'27	21°43	19°33	22° 2	4°15	24°45	24°34	9°42	0°48	8°16	27°29	27° 0	18° 4	6°20	T 29
W30	0 33 14	6♎22'37	5♑52	21♍ 7	23♏ 2	4♏57	24♏56	24♈29	9♋42	0♎50	8♉15	27°D29	26♓57	18♋11	6♒19	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	8n35	27s 6	5s 2	0n17	4s20	9s41	1s 6	5s54	0n11	17s10	0n45	7n36	2s43	23n30	0n19	1n22	1n24	0s53	16s 6	0s56	0s36	27n33	11s31	7n13
W 2	8 13	28 38	5 15	0 40	4 16	10 10	1 10	6 10	0 10	17 12	0 44	7 35	2 43	23 30	0 19	1 21	1 24	0 53	16 6	0 56	0 37	27 32	11 32	7 13
T 3	7 51	28 17	5 9	1 6	4 10	10 39	1 15	6 26	0 10	17 14	0 44	7 34	2 43	23 30	0 19	1 21	1 24	0 53	16 6	0 57	0 39	27 31	11 33	7 12
F 4	7 29	25 59	4 42	1 35	4 2	11 8	1 20	6 42	0 9	17 17	0 44	7 33	2 43	23 30	0 19	1 20	1 24	0 54	16 7	0 58	0 40	27 30	11 34	7 12
S 5	7 7	21 56	3 58	2 7	3 52	11 36	1 25	6 58	0 8	17 19	0 44	7 32	2 44	23 29	0 19	1 19	1 24	0 54	16 7	0 58	0 41	27 29	11 35	7 12
S 6	6 45	16 32	2 57	2 41	3 40	12 5	1 29	7 14	0 8	17 21	0 44	7 31	2 44	23 29	0 19	1 18	1 24	0 55	16 7	0 59	0 43	27 28	11 36	7 11
M 7	6 22	10 15	1 46	3 17	3 27	12 33	1 34	7 29	0 7	17 24	0 43	7 29	2 44	23 29	0 19	1 17	1 24	0 55	16 7	1 0	0 44	27 27	11 37	7 11
T 8	6 0	3 32	0 29	3 54	3 12	13 0	1 39	7 45	0 6	17 26	0 43	7 28	2 44	23 29	0 19	1 16	1 24	0 56	16 8	1 0	0 45	27 26	11 38	7 11
W 9	5 37	3n13	0n48	4 31	2 55	13 28	1 44	8 1	0 5	17 29	0 43	7 27	2 44	23 29	0 19	1 15	1 24	0 56	16 8	1 0	0 46	27 25	11 39	7 10
T 10	5 14	9 38	2 1	5 8	2 37	13 55	1 48	8 17	0 5	17 31	0 43	7 25	2 45	23 29	0 19	1 15	1 24	0 56	16 8	1 0	0 48	27 24	11 39	7 10
F 11	4 51	15 27	3 4	5 43	2 18	14 22	1 53	8 32	0 4	17 34	0 43	7 24	2 45	23 29	0 19	1 14	1 24	0 57	16 8	0 59	0 49	27 23	11 40	7 9
S 12	4 28	20 26	3 57	6 17	1 59	14 49	1 58	8 48	0 3	17 36	0 42	7 23	2 45	23 29	0 19	1 13	1 24	0 57	16 9	0 59	0 50	27 22	11 41	7 9
S 13	4 5	24 22	4 37	6 48	1 39	15 15	2 3	9 3	0 3	17 39	0 42	7 21	2 45	23 29	0 19	1 12	1 24	0 58	16 9	0 59	0 51	27 21	11 42	7 9
M14	3 42	27 6	5 3	7 15	1 19	15 42	2 8	9 19	0 2	17 41	0 42	7 20	2 45	23 28	0 19	1 11	1 24	0 58	16 9	0 58	0 53	27 19	11 43	7 8
T 15	3 19	28 33	5 16	7 39	0 59	16 7	2 13	9 34	0 1	17 44	0 42	7 19	2 45	23 28	0 19	1 10	1 24	0 58	16 9	0 58	0 54	27 18	11 44	7 8
W16	2 56	28 39	5 14	7 59	0 40	16 33	2 17	9 50	0 1	17 46	0 42	7 17	2 46	23 28	0 19	1 9	1 24	0 59	16 9	0 58	0 55	27 17	11 45	7 8
T 17	2 33	27 25	5 0	8 15	0 22	16 58	2 22	10 5	0 0	17 49	0 42	7 16	2 46	23 28	0 19	1 8	1 24	0 59	16 10	0 59	0 56	27 16	11 45	7 7
F 18	2 9	24 57	4 32	8 26	0 4	17 23	2 27	10 21	0s 1	17 52	0 41	7 14	2 46	23 28	0 19	1 8	1 24	1 0	16 10	0 59	0 58	27 15	11 46	7 7
S 19	1 46	21 23	3 52	8 33	0n12	17 47	2 32	10 36	0 1	17 54	0 41	7 13	2 46	23 28	0 19	1 7	1 24	1 0	16 10	0 59	0 59	27 14	11 47	7 6
S 20	1 23	16 53	3 2	8 35	0 28	18 11	2 36	10 51	0 2	17 57	0 41	7 11	2 46	23 28	0 19	1 6	1 24	1 1	16 10	0 59	1 0	27 13	11 48	7 6
M21	0 59	11 38	2 2	8 32	0 42	18 35	2 41	11 6	0 3	18 0	0 41	7 10	2 46	23 28	0 19	1 5	1 24	1 1	16 11	0 59	1 2	27 11	11 49	7 5
T 22	0 36	5 49	0 56	8 25	0 55	18 58	2 46	11 21	0 3	18 2	0 41	7 8	2 47	23 28	0 19	1 4	1 24	1 2	16 11	0 59	1 3	27 10	11 50	7 5
W23	0 12	0s20	0s15	8 14	1 6	19 21	2 50	11 36	0 4	18 5	0 41	7 6	2 47	23 28	0 19	1 3	1 24	1 2	16 11	0 59	1 4	27 9	11 50	7 5
T 24	0s11	6 35	1 26	7 58	1 17	19 44	2 55	11 51	0 5	18 8	0 40	7 5	2 47	23 28	0 19	1 2	1 24	1 2	16 11	0 59	1 5	27 8	11 51	7 4
F 25	0 35	12 40	2 34	7 39	1 26	20 6	3 0	12 6	0 5	18 11	0 40	7 3	2 47	23 28	0 19	1 1	1 24	1 3	16 11	0 59	1 7	27 7	11 52	7 4
S 26	0 58	18 16	3 34	7 16	1 33	20 27	3 4	12 21	0 6	18 13	0 40	7 1	2 47	23 28	0 19	1 0	1 24	1 3	16 11	0 59	1 8	27 5	11 53	7 3
S 27	1 22	23 1	4 24	6 50	1 40	20 49	3 9	12 36	0 6	18 16	0 40	7 0	2 47	23 28	0 19	1 0	1 24	1 4	16 12	1 0	1 9	27 4	11 53	7 3
M28	1 45	26 32	4 58	6 21	1 45	21 9	3 13	12 51	0 7	18 19	0 40	6 58	2 47	23 27	0 19	0 59	1 24	1 4	16 12	1 0	1 10	27 3	11 54	7 2
T 29	2 9	28 28	5 15	5 49	1 49	21 30	3 18	13 5	0 8	18 22	0 40	6 56	2 47	23 27	0 19	0 58	1 24	1 5	16 12	1 0	1 12	27 2	11 55	7 2
W30	2s32	28s35	5s13	5n15	1n52	21s50	3s22	13s20	0s 8	18s24	0n39	6n55	2s48	23n27	0n19	0n57	1n24	1s 5	16s12	1s 0	1s13	27n 0	11s56	7n 1

Julian Day Number = 2311169.5, Delta T = 70.72 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'34, Lahiri = 18°29'35Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

OCTOBER 1615 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 37 11	7♎21'48	20♉ 6	22♍44	24♏ 2	5♏38	25♏ 7	24°R25	9♋43	0♎52	8°R14	27♓29	26♓54	18♋18	6°R18	T 1
F 2	0 41 7	8°21'01	4♒21	24°23	25° 1	6°20	25°18	24♈20	9°44	0°55	8♉13	27°30	26°51	18°25	6♒17	F 2
S 3	0 45 4	9°20'15	18°37	26° 4	26° 1	7° 1	25°29	24°16	9°45	0°57	8°12	27°31	26°48	18°31	6°16	S 3
S 4	0 49 0	10°19'31	2♓49	27°45	26°59	7°43	25°40	24°11	9°46	0°59	8°11	27°32	26°44	18°38	6°15	S 4
M 5	0 52 57	11°18'49	16°53	29°28	27°57	8°24	25°52	24° 6	9°46	1° 1	8°10	27°33	26°41	18°45	6°14	M 5
T 6	0 56 53	12°18'09	0♈48	1♎12	28°55	9° 6	26° 3	24° 2	9°47	1° 3	8° 9	27°R33	26°38	18°51	6°14	T 6
W 7	1 0 50	13°17'31	14°29	2°56	29°53	9°48	26°14	23°57	9°47	1° 6	8° 8	27°32	26°35	18°58	6°13	W 7
T 8	1 4 47	14°16'55	27°53	4°41	0♐49	10°30	26°26	23°52	9°48	1° 8	8° 7	27°31	26°32	19° 5	6°12	T 8
F 9	1 8 43	15°16'22	11♉ 0	6°25	1°46	11°12	26°37	23°48	9°48	1°10	8° 6	27°29	26°28	19°12	6°12	F 9
S 10	1 12 40	16°15'50	23°49	8°10	2°42	11°54	26°49	23°43	9°48	1°12	8° 5	27°26	26°25	19°18	6°11	S 10
S 11	1 16 36	17°15'21	6♊20	9°54	3°37	12°36	27° 1	23°38	9°49	1°14	8° 4	27°23	26°22	19°25	6°11	S 11
M12	1 20 33	18°14'54	18°36	11°38	4°32	13°18	27°13	23°34	9°49	1°17	8° 3	27°20	26°19	19°32	6°11	M12
T 13	1 24 29	19°14'29	0♋40	13°22	5°27	14° 0	27°24	23°29	9°49	1°19	8° 2	27°18	26°16	19°38	6°11	T 13
W14	1 28 26	20°14'07	12°36	15° 5	6°20	14°42	27°36	23°24	9°49	1°21	8° 1	27°16	26°13	19°45	6°10	W14
T 15	1 32 22	21°13'47	24°28	16°48	7°13	15°25	27°48	23°19	9°49	1°23	8° 0	27°D16	26° 9	19°52	6°10	T 15
F 16	1 36 19	22°13'29	6♌21	18°30	8° 6	16° 7	28° 0	23°14	9°R50	1°25	7°59	27°17	26° 6	19°59	6°D10	F 16
S 17	1 40 16	23°13'13	18°20	20°12	8°58	16°50	28°12	23°10	9°50	1°27	7°58	27°19	26° 3	20° 5	6°10	S 17
S 18	1 44 12	24°13'00	0♍30	21°53	9°49	17°32	28°25	23° 5	9°49	1°29	7°57	27°20	26° 0	20°12	6°11	S 18
M19	1 48 9	25°12'48	12°54	23°34	10°40	18°15	28°37	23° 0	9°49	1°31	7°56	27°22	25°57	20°19	6°11	M19
T 20	1 52 5	26°12'39	25°37	25°14	11°30	18°57	28°49	22°55	9°49	1°33	7°55	27°R23	25°53	20°25	6°11	T 20
W21	1 56 2	27°12'32	8♎40	26°54	12°19	19°40	29° 2	22°50	9°49	1°36	7°54	27°22	25°50	20°32	6°11	W21
T 22	1 59 58	28°12'27	22° 3	28°33	13° 7	20°23	29°14	22°46	9°49	1°38	7°52	27°20	25°47	20°39	6°12	T 22
F 23	2 3 55	29°12'24	5♏45	0♏12	13°55	21° 6	29°26	22°41	9°48	1°40	7°51	27°16	25°44	20°46	6°12	F 23
S 24	2 7 51	0♏12'23	19°44	1°50	14°42	21°48	29°39	22°36	9°48	1°42	7°50	27°12	25°41	20°52	6°13	S 24
S 25	2 11 48	1°12'24	3♐56	3°28	15°27	22°31	29°52	22°31	9°47	1°44	7°49	27° 6	25°38	20°59	6°13	S 25
M26	2 15 45	2°12'27	18°14	5° 5	16°12	23°14	0♐ 4	22°27	9°47	1°46	7°48	27° 1	25°34	21° 6	6°14	M26
T 27	2 19 41	3°12'31	2♑35	6°42	16°56	23°58	0°17	22°22	9°46	1°48	7°47	26°57	25°31	21°12	6°15	T 27
W28	2 23 38	4°12'37	16°54	8°18	17°39	24°41	0°30	22°17	9°46	1°50	7°46	26°54	25°28	21°19	6°16	W28
T 29	2 27 34	5°12'45	1♒ 8	9°53	18°21	25°24	0°42	22°13	9°45	1°52	7°45	26°D52	25°25	21°26	6°17	T 29
F 30	2 31 31	6°12'54	15°14	11°29	19° 2	26° 7	0°55	22° 8	9°44	1°53	7°44	26°53	25°22	21°32	6°17	F 30
S 31	2 35 27	7♏13'05	29♒11	13♏ 4	19♐42	26♏51	1♐ 8	22♈ 3	9♋44	1♎55	7♉42	26♓54	25♓19	21♋39	6♒18	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	2s56	26s48	4s52	4n39	1n55	22s 9	3s26	13s34	0s 9	18s27	0n39	6n53	2s48	23n27	0n19	0n56	1n24	1s 5	16s12	1s 0	1s14	26n59	11s56	7n 1
F 2	3 19	23 19	4 13	4 0	1 56	22 28	3 30	13 49	0 10	18 30	0 39	6 51	2 48	23 27	0 19	0 55	1 24	1 6	16 12	1 0	1 15	26 58	11 57	7 1
S 3	3 43	18 26	3 19	3 21	1 56	22 46	3 35	14 3	0 10	18 33	0 39	6 50	2 48	23 27	0 19	0 54	1 24	1 6	16 13	0 59	1 17	26 57	11 58	7 0
S 4	4 6	12 33	2 13	2 40	1 56	23 4	3 39	14 17	0 11	18 36	0 39	6 48	2 48	23 27	0 19	0 53	1 24	1 7	16 13	0 59	1 18	26 55	11 58	7 0
M 5	4 29	6 5	0 59	1 58	1 55	23 22	3 43	14 31	0 12	18 38	0 39	6 46	2 48	23 27	0 19	0 53	1 24	1 7	16 13	0 59	1 19	26 54	11 59	6 59
T 6	4 52	0n36	0n18	1 15	1 53	23 39	3 47	14 45	0 12	18 41	0 38	6 44	2 48	23 27	0 19	0 52	1 24	1 8	16 13	0 59	1 20	26 53	11 59	6 59
W 7	5 16	7 8	1 32	0 31	1 50	23 55	3 50	14 59	0 13	18 44	0 38	6 43	2 48	23 27	0 19	0 51	1 24	1 8	16 13	0 59	1 22	26 51	12 0	6 58
T 8	5 39	13 14	2 40	0s13	1 47	24 11	3 54	15 13	0 13	18 47	0 38	6 41	2 48	23 27	0 19	0 50	1 24	1 8	16 13	0 59	1 23	26 50	12 1	6 58
F 9	6 2	18 36	3 37	0 58	1 44	24 26	3 58	15 27	0 14	18 50	0 38	6 39	2 48	23 27	0 20	0 49	1 24	1 9	16 13	1 0	1 24	26 49	12 1	6 57
S 10	6 25	23 0	4 22	1 43	1 40	24 41	4 1	15 40	0 15	18 52	0 38	6 37	2 48	23 27	0 20	0 48	1 24	1 9	16 13	1 1	1 26	26 47	12 2	6 57
S 11	6 47	26 14	4 54	2 28	1 36	24 56	4 5	15 54	0 15	18 55	0 38	6 35	2 48	23 27	0 20	0 47	1 24	1 10	16 14	1 3	1 27	26 46	12 2	6 56
M12	7 10	28 10	5 11	3 13	1 31	25 10	4 8	16 7	0 16	18 58	0 38	6 34	2 48	23 27	0 20	0 47	1 24	1 10	16 14	1 4	1 28	26 45	12 3	6 56
T 13	7 33	28 43	5 14	3 58	1 26	25 23	4 12	16 20	0 17	19 1	0 37	6 32	2 48	23 27	0 20	0 46	1 24	1 10	16 14	1 5	1 29	26 43	12 3	6 55
W14	7 55	27 56	5 3	4 43	1 21	25 36	4 15	16 34	0 17	19 4	0 37	6 30	2 48	23 27	0 20	0 45	1 24	1 11	16 14	1 5	1 31	26 42	12 4	6 55
T 15	8 18	25 52	4 40	5 27	1 15	25 48	4 18	16 47	0 18	19 7	0 37	6 28	2 48	23 27	0 20	0 44	1 24	1 11	16 14	1 5	1 32	26 41	12 5	6 54
F 16	8 40	22 40	4 4	6 12	1 10	25 59	4 21	16 59	0 18	19 9	0 37	6 27	2 48	23 27	0 20	0 43	1 24	1 12	16 14	1 5	1 33	26 39	12 5	6 54
S 17	9 3	18 30	3 18	6 56	1 4	26 11	4 23	17 12	0 19	19 12	0 37	6 25	2 48	23 27	0 20	0 42	1 24	1 12	16 14	1 4	1 34	26 38	12 5	6 53
S 18	9 25	13 32	2 22	7 39	0 58	26 21	4 26	17 25	0 20	19 15	0 37	6 23	2 48	23 27	0 20	0 42	1 24	1 12	16 14	1 4	1 36	26 37	12 6	6 53
M19	9 47	7 56	1 19	8 22	0 51	26 31	4 28	17 37	0 20	19 18	0 37	6 21	2 48	23 27	0 20	0 41	1 24	1 13	16 14	1 3	1 37	26 35	12 6	6 52
T 20	10 8	1 54	0 10	9 5	0 45	26 41	4 31	17 50	0 21	19 21	0 36	6 20	2 48	23 27	0 20	0 40	1 24	1 13	16 14	1 3	1 38	26 34	12 7	6 52
W21	10 30	4s23	1s 1	9 47	0 39	26 50	4 33	18 2	0 21	19 24	0 36	6 18	2 48	23 27	0 20	0 39	1 24	1 14	16 14	1 3	1 39	26 32	12 7	6 51
T 22	10 52	10 37	2 11	10 29	0 32	26 58	4 35	18 14	0 22	19 26	0 36	6 16	2 48	23 28	0 20	0 38	1 24	1 14	16 14	1 4	1 41	26 31	12 8	6 51
F 23	11 13	16 31	3 14	11 10	0 26	27 6	4 37	18 26	0 23	19 29	0 36	6 14	2 48	23 28	0 20	0 38	1 24	1 14	16 14	1 5	1 42	26 30	12 8	6 50
S 24	11 34	21 40	4 7	11 51	0 19	27 13	4 38	18 38	0 23	19 32	0 36	6 13	2 48	23 28	0 20	0 37	1 24	1 15	16 14	1 7	1 43	26 28	12 8	6 50
S 25	11 55	25 39	4 46	12 30	0 12	27 20	4 40	18 50	0 24	19 35	0 36	6 11	2 48	23 28	0 20	0 36	1 24	1 15	16 14	1 9	1 45	26 27	12 9	6 49
M26	12 16	28 4	5 7	13 10	0 5	27 26	4 41	19 1	0 24	19 38	0 36	6 9	2 48	23 28	0 20	0 35	1 24	1 15	16 14	1 11	1 46	26 25	12 9	6 49
T 27	12 37	28 37	5 9	13 48	0s 1	27 31	4 42	19 12	0 25	19 40	0 36	6 8	2 48	23 28	0 20	0 35	1 24	1 16	16 14	1 13	1 47	26 24	12 9	6 48
W28	12 57	27 15	4 52	14 26	0 8	27 36	4 43	19 24	0 26	19 43	0 35	6 6	2 48	23 28	0 20	0 34	1 24	1 16	16 14	1 14	1 48	26 22	12 10	6 48
T 29	13 17	24 8	4 17	15 3	0 15	27 41	4 43	19 35	0 26	19 46	0 35	6 4	2 48	23 28	0 20	0 33	1 25	1 16	16 14	1 15	1 50	26 21	12 10	6 47
F 30	13 37	19 36	3 27	15 39	0 21	27 45	4 44	19 46	0 27	19 49	0 35	6 3	2 48	23 28	0 20	0 32	1 25	1 17	16 14	1 15	1 51	26 19	12 10	6 47
S 31	13s57	14s 3	2s25	16s14	0s28	27s48	4s44	19s56	0s27	19s52	0n35	6n 1	2s47	23n28	0n20	0n32	1n25	1s17	16s14	1s14	1s52	26n18	12s10	6n46

Julian Day Number = 2311199.5, Delta T = 70.64 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'38, Lahiri = 18°29'39Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

NOVEMBER 1615 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 39 24	8♏13'16	12♓59	14♏38	20♐20	27♏34	1♐21	21°R59	9°R43	1♎57	7°R41	26♓55	25♓15	21♋46	6♒20	S 1
M 2	2 43 20	9°13'30	26°36	16°12	20°58	28°17	1°34	21♈54	9♋42	1°59	7♉40	26°R56	25°12	21°53	6°21	M 2
T 3	2 47 17	10°13'45	10♈ 4	17°46	21°34	29° 1	1°47	21°50	9°41	2° 1	7°39	26°55	25° 9	21°59	6°22	T 3
W 4	2 51 14	11°14'02	23°20	19°19	22° 8	29°44	2° 0	21°46	9°40	2° 3	7°38	26°52	25° 6	22° 6	6°23	W 4
T 5	2 55 10	12°14'20	6♉25	20°52	22°42	0♐28	2°13	21°41	9°39	2° 5	7°37	26°47	25° 3	22°13	6°25	T 5
F 6	2 59 7	13°14'40	19°16	22°25	23°14	1°12	2°26	21°37	9°38	2° 6	7°36	26°40	24°59	22°19	6°26	F 6
S 7	3 3 3	14°15'02	1♊55	23°57	23°44	1°55	2°39	21°33	9°37	2° 8	7°35	26°31	24°56	22°26	6°27	S 7
S 8	3 7 0	15°15'25	14°20	25°30	24°13	2°39	2°52	21°28	9°36	2°10	7°33	26°22	24°53	22°33	6°29	S 8
M 9	3 10 56	16°15'51	26°32	27° 1	24°40	3°23	3° 5	21°24	9°35	2°12	7°32	26°13	24°50	22°40	6°31	M 9
T 10	3 14 53	17°16'18	8♋34	28°33	25° 5	4° 7	3°19	21°20	9°33	2°13	7°31	26° 5	24°47	22°46	6°32	T 10
W11	3 18 49	18°16'47	20°29	0♐ 4	25°29	4°51	3°32	21°16	9°32	2°15	7°30	25°58	24°44	22°53	6°34	W11
T 12	3 22 46	19°17'18	2♌19	1°35	25°51	5°35	3°45	21°12	9°31	2°17	7°29	25°54	24°40	23° 0	6°36	T 12
F 13	3 26 43	20°17'51	14°11	3° 6	26°11	6°19	3°58	21° 8	9°29	2°18	7°28	25°53	24°37	23° 6	6°38	F 13
S 14	3 30 39	21°18'25	26° 7	4°36	26°29	7° 3	4°12	21° 5	9°28	2°20	7°27	25°D52	24°34	23°13	6°40	S 14
S 15	3 34 36	22°19'01	8♍15	6° 6	26°45	7°47	4°25	21° 1	9°26	2°22	7°26	25°53	24°31	23°20	6°42	S 15
M16	3 38 32	23°19'39	20°38	7°36	26°59	8°32	4°38	20°57	9°25	2°23	7°25	25°R54	24°28	23°26	6°44	M16
T 17	3 42 29	24°20'19	3♎23	9° 5	27°11	9°16	4°52	20°53	9°23	2°25	7°24	25°54	24°25	23°33	6°46	T 17
W18	3 46 25	25°21'00	16°31	10°34	27°21	10° 0	5° 5	20°50	9°22	2°26	7°22	25°52	24°21	23°40	6°48	W18
T 19	3 50 22	26°21'43	0♏ 6	12° 3	27°29	10°45	5°19	20°46	9°20	2°28	7°21	25°47	24°18	23°47	6°50	T 19
F 20	3 54 18	27°22'27	14° 7	13°31	27°34	11°29	5°32	20°43	9°18	2°29	7°20	25°40	24°15	23°53	6°53	F 20
S 21	3 58 15	28°23'13	28°30	14°58	27°37	12°14	5°46	20°40	9°16	2°31	7°19	25°31	24°12	24° 0	6°55	S 21
S 22	4 2 12	29°24'00	13♐ 9	16°25	27°R38	12°58	5°59	20°37	9°15	2°32	7°18	25°21	24° 9	24° 7	6°57	S 22
M23	4 6 8	0♐24'49	27°57	17°52	27°36	13°43	6°13	20°33	9°13	2°34	7°17	25°10	24° 5	24°13	7° 0	M23
T 24	4 10 5	1°25'39	12♑45	19°17	27°32	14°28	6°26	20°30	9°11	2°35	7°16	25° 1	24° 2	24°20	7° 2	T 24
W25	4 14 1	2°26'29	27°25	20°42	27°25	15°13	6°40	20°28	9° 9	2°36	7°15	24°54	23°59	24°27	7° 5	W25
T 26	4 17 58	3°27'21	11♒52	22° 6	27°16	15°57	6°53	20°25	9° 7	2°38	7°14	24°50	23°56	24°34	7° 8	T 26
F 27	4 21 54	4°28'13	26° 2	23°28	27° 4	16°42	7° 7	20°22	9° 5	2°39	7°13	24°48	23°53	24°40	7°10	F 27
S 28	4 25 51	5°29'06	9♓54	24°50	26°50	17°27	7°20	20°19	9° 3	2°40	7°12	24°D48	23°50	24°47	7°13	S 28
S 29	4 29 47	6°30'00	23°30	26° 9	26°33	18°12	7°34	20°17	9° 1	2°41	7°11	24°R48	23°46	24°54	7°16	S 29
M30	4 33 44	7♐30'54	6♈50	27♐27	26♐14	18♐57	7♐47	20♈14	8♋59	2♎42	7♉10	24♓48	23♓43	25♋ 0	7♒19	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	14s17	7s51	1s15	16s49	0s35	27s51	4s44	20s 7	0s28	19s54	0n35	6n 0	2s47	23n28	0n20	0n31	1n25	1s17	16s14	1s14	1s53	26n16	12s11	6n46	S 1
M 2	14 36	1 23	0 2	17 23	0 41	27 54	4 43	20 17	0 28	19 57	0 35	5 58	2 47	23 28	0 20	0 30	1 25	1 18	16 14	1 13	1 55	26 15	12 11	6 45	M 2
T 3	14 55	5n 4	1n10	17 55	0 47	27 55	4 43	20 27	0 29	20 0	0 35	5 56	2 47	23 28	0 20	0 29	1 25	1 18	16 14	1 14	1 56	26 13	12 11	6 45	T 3
W 4	15 14	11 13	2 18	18 28	0 54	27 57	4 42	20 37	0 30	20 2	0 35	5 55	2 47	23 28	0 20	0 29	1 25	1 18	16 14	1 15	1 57	26 12	12 11	6 44	W 4
T 5	15 33	16 47	3 17	18 59	1 0	27 57	4 40	20 47	0 30	20 5	0 35	5 53	2 47	23 29	0 20	0 28	1 25	1 19	16 14	1 17	1 58	26 10	12 11	6 44	T 5
F 6	15 51	21 30	4 4	19 29	1 6	27 58	4 39	20 57	0 31	20 8	0 34	5 52	2 47	23 29	0 20	0 27	1 25	1 19	16 14	1 20	2 0	26 9	12 11	6 43	F 6
S 7	16 9	25 8	4 39	19 58	1 12	27 57	4 37	21 6	0 31	20 10	0 34	5 50	2 47	23 29	0 20	0 27	1 25	1 19	16 14	1 23	2 1	26 7	12 11	6 43	S 7
S 8	16 27	27 32	5 0	20 26	1 18	27 56	4 35	21 15	0 32	20 13	0 34	5 49	2 47	23 29	0 20	0 26	1 25	1 19	16 14	1 27	2 2	26 6	12 12	6 42	S 8
M 9	16 44	28 33	5 6	20 54	1 24	27 55	4 32	21 24	0 32	20 16	0 34	5 48	2 46	23 29	0 20	0 25	1 25	1 20	16 14	1 31	2 3	26 4	12 12	6 42	M 9
T 10	17 2	28 11	4 59	21 20	1 29	27 53	4 29	21 33	0 33	20 18	0 34	5 46	2 46	23 29	0 20	0 25	1 25	1 20	16 14	1 34	2 5	26 3	12 12	6 41	T 10
W11	17 19	26 31	4 39	21 45	1 35	27 51	4 26	21 42	0 33	20 21	0 34	5 45	2 46	23 29	0 20	0 24	1 25	1 20	16 14	1 36	2 6	26 1	12 12	6 41	W11
T 12	17 35	23 42	4 7	22 9	1 40	27 48	4 22	21 50	0 34	20 24	0 34	5 44	2 46	23 29	0 20	0 23	1 25	1 21	16 14	1 38	2 7	26 0	12 12	6 41	T 12
F 13	17 52	19 52	3 24	22 32	1 45	27 44	4 18	21 59	0 35	20 26	0 34	5 42	2 46	23 29	0 20	0 23	1 25	1 21	16 14	1 39	2 8	25 58	12 12	6 40	F 13
S 14	18 8	15 14	2 33	22 54	1 50	27 41	4 14	22 7	0 35	20 29	0 34	5 41	2 46	23 30	0 20	0 22	1 25	1 21	16 14	1 39	2 10	25 56	12 12	6 40	S 14
S 15	18 23	9 56	1 33	23 15	1 54	27 36	4 9	22 15	0 36	20 31	0 34	5 40	2 45	23 30	0 20	0 22	1 25	1 21	16 13	1 38	2 11	25 55	12 12	6 39	S 15
M16	18 39	4 9	0 28	23 34	1 59	27 31	4 4	22 22	0 36	20 34	0 33	5 39	2 45	23 30	0 20	0 21	1 25	1 21	16 13	1 38	2 12	25 53	12 12	6 39	M16
T 17	18 54	1s57	0s40	23 53	2 3	27 25	3 58	22 30	0 37	20 36	0 33	5 37	2 45	23 30	0 21	0 20	1 25	1 22	16 13	1 38	2 14	25 52	12 12	6 38	T 17
W18	19 9	8 10	1 48	24 10	2 6	27 19	3 52	22 37	0 37	20 39	0 33	5 36	2 45	23 30	0 21	0 20	1 25	1 22	16 13	1 39	2 15	25 50	12 11	6 38	W18
T 19	19 23	14 13	2 52	24 26	2 10	27 13	3 45	22 44	0 38	20 41	0 33	5 35	2 45	23 30	0 21	0 19	1 25	1 22	16 13	1 41	2 16	25 48	12 11	6 37	T 19
F 20	19 37	19 43	3 47	24 40	2 13	27 6	3 37	22 50	0 38	20 44	0 33	5 34	2 44	23 30	0 21	0 19	1 25	1 22	16 13	1 43	2 17	25 47	12 11	6 37	F 20
S 21	19 51	24 15	4 30	24 54	2 16	26 58	3 30	22 57	0 39	20 46	0 33	5 33	2 44	23 31	0 21	0 18	1 25	1 22	16 13	1 47	2 19	25 45	12 11	6 36	S 21
S 22	20 4	27 19	4 56	25 6	2 18	26 50	3 21	23 3	0 39	20 49	0 33	5 32	2 44	23 31	0 21	0 18	1 25	1 23	16 13	1 51	2 20	25 44	12 11	6 36	S 22
M23	20 17	28 31	5 2	25 16	2 21	26 41	3 13	23 9	0 40	20 51	0 33	5 31	2 44	23 31	0 21	0 17	1 26	1 23	16 12	1 55	2 21	25 42	12 11	6 36	M23
T 24	20 29	27 40	4 48	25 25	2 22	26 31	3 3	23 15	0 40	20 54	0 33	5 30	2 44	23 31	0 21	0 17	1 26	1 23	16 12	1 59	2 22	25 40	12 10	6 35	T 24
W25	20 42	24 54	4 16	25 33	2 24	26 21	2 53	23 21	0 41	20 56	0 33	5 29	2 43	23 31	0 21	0 16	1 26	1 23	16 12	2 2	2 24	25 39	12 10	6 35	W25
T 26	20 53	20 35	3 27	25 39	2 24	26 11	2 43	23 26	0 41	20 58	0 32	5 28	2 43	23 31	0 21	0 16	1 26	1 23	16 12	2 3	2 25	25 37	12 10	6 34	T 26
F 27	21 5	15 10	2 26	25 44	2 25	25 59	2 32	23 31	0 42	21 1	0 32	5 28	2 43	23 31	0 21	0 15	1 26	1 23	16 12	2 4	2 26	25 35	12 10	6 34	F 27
S 28	21 16	9 5	1 18	25 48	2 24	25 48	2 20	23 36	0 42	21 3	0 32	5 27	2 43	23 32	0 21	0 15	1 26	1 24	16 12	2 4	2 27	25 34	12 9	6 33	S 28
S 29	21 27	2 42	0 7	25 49	2 23	25 35	2 8	23 41	0 43	21 5	0 32	5 26	2 42	23 32	0 21	0 14	1 26	1 24	16 11	2 4	2 29	25 32	12 9	6 33	S 29
M30	21s37	3n41	1n 3	25s50	2s22	25s22	1s56	23s45	0s43	21s 8	0n32	5n25	2s42	23n32	0n21	0n14	1n26	1s24	16s11	2s 4	2s30	25n30	12s 9	6n33	M30

Julian Day Number = 2311230.5, Delta T = 70.55 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'43, Lahiri = 18°29'43Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1615
geocentric

DECEMBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 37 41	8♐31'50	19♈56	28♐43	25°R53	19♐42	8♐ 1	20°R12	8°R57	2♎44	7°R 9	24°R45	23♓40	25♋ 7	7♒22	T 1
W 2	4 41 37	9°32'46	2♉50	29°57	25♐29	20°27	8°14	20♈ 9	8♋55	2°45	7♉ 8	24♓40	23°37	25°14	7°25	W 2
T 3	4 45 34	10°33'43	15°33	1♑ 7	25° 4	21°13	8°28	20° 7	8°53	2°46	7° 7	24°32	23°34	25°20	7°28	T 3
F 4	4 49 30	11°34'41	28° 7	2°15	24°36	21°58	8°42	20° 5	8°50	2°47	7° 7	24°21	23°31	25°27	7°31	F 4
S 5	4 53 27	12°35'40	10♊31	3°19	24° 7	22°43	8°55	20° 3	8°48	2°48	7° 6	24° 7	23°27	25°34	7°34	S 5
S 6	4 57 23	13°36'39	22°45	4°19	23°36	23°28	9° 9	20° 1	8°46	2°49	7° 5	23°53	23°24	25°41	7°37	S 6
M 7	5 1 20	14°37'40	4♋51	5°13	23° 3	24°14	9°22	20° 0	8°44	2°50	7° 4	23°38	23°21	25°47	7°40	M 7
T 8	5 5 16	15°38'41	16°49	6° 3	22°29	24°59	9°36	19°58	8°41	2°51	7° 3	23°26	23°18	25°54	7°43	T 8
W 9	5 9 13	16°39'44	28°41	6°46	21°54	25°45	9°49	19°56	8°39	2°52	7° 2	23°15	23°15	26° 1	7°47	W 9
T 10	5 13 10	17°40'47	10♌30	7°22	21°19	26°30	10° 3	19°55	8°37	2°53	7° 1	23° 7	23°11	26° 7	7°50	T 10
F 11	5 17 6	18°41'51	22°19	7°50	20°42	27°16	10°16	19°54	8°34	2°54	7° 1	23° 2	23° 8	26°14	7°54	F 11
S 12	5 21 3	19°42'56	4♍13	8° 9	20° 6	28° 1	10°30	19°52	8°32	2°54	7° 0	23° 0	23° 5	26°21	7°57	S 12
S 13	5 24 59	20°44'01	16°17	8°R18	19°29	28°47	10°43	19°51	8°29	2°55	6°59	22°59	23° 2	26°27	8° 1	S 13
M14	5 28 56	21°45'08	28°36	8°16	18°53	29°33	10°57	19°50	8°27	2°56	6°58	22°59	22°59	26°34	8° 4	M14
T 15	5 32 52	22°46'15	11♎16	8° 4	18°17	0♑18	11°10	19°49	8°25	2°57	6°58	22°58	22°56	26°41	8° 8	T 15
W16	5 36 49	23°47'23	24°21	7°40	17°42	1° 4	11°24	19°48	8°22	2°57	6°57	22°56	22°52	26°48	8°11	W16
T 17	5 40 46	24°48'32	7♏54	7° 4	17° 8	1°50	11°37	19°48	8°20	2°58	6°56	22°51	22°49	26°54	8°15	T 17
F 18	5 44 42	25°49'42	21°58	6°17	16°35	2°36	11°50	19°47	8°17	2°59	6°55	22°43	22°46	27° 1	8°19	F 18
S 19	5 48 39	26°50'52	6♐31	5°19	16° 3	3°22	12° 4	19°47	8°15	2°59	6°55	22°33	22°43	27° 8	8°22	S 19
S 20	5 52 35	27°52'03	21°25	4°12	15°33	4° 8	12°17	19°46	8°12	3° 0	6°54	22°21	22°40	27°14	8°26	S 20
M21	5 56 32	28°53'14	6♑34	2°57	15° 5	4°54	12°30	19°46	8° 9	3° 0	6°53	22° 9	22°37	27°21	8°30	M21
T 22	6 0 28	29°54'26	21°45	1°38	14°39	5°40	12°44	19°46	8° 7	3° 1	6°53	21°58	22°33	27°28	8°34	T 22
W23	6 4 25	0♑55'37	6♒49	0°16	14°15	6°26	12°57	19°D46	8° 4	3° 1	6°52	21°50	22°30	27°35	8°38	W23
T 24	6 8 21	1°56'49	21°37	28♐54	13°53	7°12	13°10	19°46	8° 2	3° 2	6°52	21°44	22°27	27°41	8°42	T 24
F 25	6 12 18	2°58'00	6♓ 3	27°36	13°33	7°58	13°23	19°46	7°59	3° 2	6°51	21°42	22°24	27°48	8°46	F 25
S 26	6 16 15	3°59'11	20° 4	26°22	13°15	8°45	13°37	19°46	7°57	3° 2	6°50	21°D41	22°21	27°55	8°50	S 26
S 27	6 20 11	5° 0'22	3♈42	25°16	13° 0	9°31	13°50	19°47	7°54	3° 3	6°50	21°R41	22°17	28° 1	8°54	S 27
M28	6 24 8	6° 1'33	16°57	24°19	12°47	10°17	14° 3	19°47	7°51	3° 3	6°49	21°41	22°14	28° 8	8°58	M28
T 29	6 28 4	7° 2'43	29°54	23°31	12°37	11° 4	14°16	19°48	7°49	3° 3	6°49	21°38	22°11	28°15	9° 2	T 29
W30	6 32 1	8° 3'53	12♉35	22°54	12°29	11°50	14°29	19°49	7°46	3° 3	6°48	21°34	22° 8	28°21	9° 6	W30
T 31	6 35 57	9♑ 5'03	25♉ 3	22♐27	12♐24	12♑36	14♐42	19♈49	7♋44	3♎ 4	6♉48	21♓26	22♓ 5	28♋28	9♒10	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	21s46	9n48	2n 9	25s49	2s20	25s 8	1s43	23s49	0s44	21s10	0n32	5n25	2s42	23n32	0n21	0n14	1n26	1s24	16s11	2s 5	2s31	25n28	12s 9	6n32
W 2	21 56	15 24	3 7	25 46	2 17	24 54	1 29	23 53	0 44	21 12	0 32	5 24	2 42	23 32	0 21	0 13	1 26	1 24	16 11	2 7	2 32	25 27	12 8	6 32
T 3	22 5	20 16	3 54	25 42	2 13	24 39	1 15	23 56	0 45	21 14	0 32	5 23	2 41	23 32	0 21	0 13	1 26	1 24	16 11	2 11	2 34	25 25	12 8	6 31
F 4	22 13	24 9	4 29	25 37	2 8	24 24	1 1	24 0	0 45	21 17	0 32	5 23	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 15	2 35	25 23	12 7	6 31
S 5	22 21	26 53	4 51	25 30	2 3	24 8	0 47	24 3	0 46	21 19	0 32	5 22	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 20	2 36	25 22	12 7	6 31
S 6	22 29	28 17	5 0	25 21	1 56	23 52	0 32	24 6	0 46	21 21	0 32	5 22	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 26	2 37	25 20	12 7	6 30
M 7	22 36	28 18	4 54	25 12	1 49	23 35	0 16	24 8	0 46	21 23	0 32	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 10	2 32	2 39	25 18	12 6	6 30
T 8	22 43	26 59	4 36	25 1	1 40	23 18	0 1	24 11	0 47	21 25	0 32	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 9	2 37	2 40	25 16	12 6	6 30
W 9	22 49	24 28	4 5	24 49	1 30	23 0	0n15	24 13	0 47	21 27	0 31	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 9	2 41	2 41	25 15	12 5	6 29
T 10	22 55	20 55	3 24	24 36	1 19	22 42	0 30	24 14	0 48	21 29	0 31	5 20	2 40	23 34	0 21	0 10	1 26	1 24	16 9	2 44	2 43	25 13	12 5	6 29
F 11	23 1	16 32	2 34	24 22	1 7	22 24	0 46	24 16	0 48	21 31	0 31	5 20	2 39	23 34	0 21	0 10	1 26	1 24	16 9	2 46	2 44	25 11	12 4	6 29
S 12	23 6	11 30	1 38	24 7	0 53	22 6	1 1	24 17	0 49	21 33	0 31	5 20	2 39	23 34	0 21	0 10	1 26	1 24	16 9	2 47	2 45	25 9	12 4	6 28
S 13	23 10	5 58	0 35	23 52	0 38	21 48	1 17	24 18	0 49	21 35	0 31	5 20	2 39	23 34	0 21	0 10	1 27	1 24	16 8	2 47	2 46	25 7	12 3	6 28
M14	23 14	0 6	0s30	23 35	0 22	21 30	1 32	24 19	0 50	21 37	0 31	5 20	2 38	23 34	0 21	0 9	1 27	1 24	16 8	2 47	2 48	25 6	12 3	6 28
T 15	23 18	5s55	1 35	23 19	0 4	21 12	1 47	24 19	0 50	21 39	0 31	5 20	2 38	23 34	0 21	0 9	1 27	1 24	16 8	2 48	2 49	25 4	12 2	6 27
W16	23 21	11 54	2 38	23 2	0n14	20 54	2 2	24 20	0 50	21 41	0 31	5 20	2 38	23 35	0 21	0 9	1 27	1 24	16 8	2 49	2 50	25 2	12 1	6 27
T 17	23 23	17 32	3 33	22 44	0 34	20 36	2 16	24 19	0 51	21 43	0 31	5 19	2 38	23 35	0 21	0 9	1 27	1 24	16 7	2 51	2 51	25 0	12 1	6 27
F 18	23 26	22 28	4 19	22 27	0 54	20 19	2 30	24 19	0 51	21 45	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 7	2 54	2 53	24 58	12 0	6 26
S 19	23 27	26 11	4 49	22 10	1 13	20 2	2 44	24 18	0 52	21 47	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 7	2 58	2 54	24 57	12 0	6 26
S 20	23 28	28 12	5 0	21 52	1 33	19 46	2 57	24 18	0 52	21 48	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 6	3 3	2 55	24 55	11 59	6 26
M21	23 29	28 10	4 51	21 36	1 52	19 31	3 10	24 16	0 52	21 50	0 31	5 20	2 36	23 35	0 21	0 8	1 27	1 24	16 6	3 7	2 56	24 53	11 58	6 25
T 22	23 29	26 1	4 21	21 19	2 10	19 16	3 22	24 15	0 53	21 52	0 31	5 20	2 36	23 36	0 21	0 8	1 27	1 24	16 6	3 12	2 58	24 51	11 58	6 25
W23	23 29	22 3	3 33	21 4	2 25	19 2	3 33	24 13	0 53	21 54	0 31	5 20	2 36	23 36	0 21	0 8	1 27	1 24	16 6	3 15	2 59	24 49	11 57	6 25
T 24	23 29	16 43	2 32	20 50	2 39	18 49	3 44	24 11	0 53	21 56	0 30	5 21	2 36	23 36	0 21	0 8	1 27	1 24	16 5	3 17	3 0	24 47	11 56	6 24
F 25	23 27	10 35	1 22	20 37	2 51	18 36	3 54	24 9	0 54	21 57	0 30	5 21	2 35	23 36	0 21	0 8	1 27	1 24	16 5	3 18	3 1	24 46	11 55	6 24
S 26	23 26	4 4	0 9	20 27	3 0	18 25	4 3	24 6	0 54	21 59	0 30	5 21	2 35	23 36	0 21	0 7	1 27	1 24	16 5	3 18	3 3	24 44	11 55	6 24
S 27	23 24	2n26	1n 3	20 18	3 6	18 14	4 12	24 3	0 55	22 0	0 30	5 22	2 35	23 36	0 21	0 7	1 27	1 24	16 4	3 18	3 4	24 42	11 54	6 24
M28	23 21	8 40	2 10	20 12	3 11	18 4	4 21	24 0	0 55	22 2	0 30	5 22	2 34	23 37	0 21	0 7	1 27	1 23	16 4	3 18	3 5	24 40	11 53	6 23
T 29	23 18	14 23	3 8	20 8	3 13	17 55	4 28	23 57	0 55	22 4	0 30	5 23	2 34	23 37	0 21	0 7	1 27	1 23	16 4	3 19	3 6	24 38	11 52	6 23
W30	23 15	19 22	3 55	20 6	3 12	17 47	4 36	23 53	0 56	22 5	0 30	5 23	2 34	23 37	0 21	0 7	1 28	1 23	16 3	3 21	3 8	24 36	11 51	6 23
T 31	23s11	23n26	4n30	20s 6	3n11	17s40	4n42	23s49	0s56	22s 7	0n30	5n24	2s34	23n37	0n21	0n 7	1n28	1s23	16s 3	3s24	3s 9	24n34	11s51	6n23

Julian Day Number = 2311260.5, Delta T = 70.47 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'47, Lahiri = 18°29'47Greg. Calendar