Astrodienst Ephemeris Tables

for the year 1618

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 1618
geocentric

JANUARY 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 41 56	10♑37'43	0♓58	27♐40	9♐19	29♑37	6♒43	17°R29	17°R 9	7♎25	8°R42	11♒53	13♒19	19♎49	19♒10	M 1
T 2	6 45 53	11°38'54	14°52	29°11	10°33	0♒24	6°57	17♑27	17♋ 6	7°25	8♑42	11°55	13°16	19°56	19°14	T 2
W 3	6 49 50	12°40'05	28°52	0♑43	11°47	1°11	7°11	17°25	17° 4	7°25	8°41	11°56	13°13	20° 3	19°17	W 3
T 4	6 53 46	13°41'15	12♈59	2°15	13° 1	1°59	7°24	17°23	17° 1	7°26	8°41	11°R57	13°10	20°10	19°21	T 4
F 5	6 57 43	14°42'24	27°10	3°48	14°16	2°46	7°38	17°22	16°58	7°26	8°40	11°56	13° 6	20°16	19°25	F 5
S 6	7 1 39	15°43'33	11♉24	5°21	15°30	3°33	7°52	17°20	16°56	7°26	8°40	11°54	13° 3	20°23	19°28	S 6
S 7	7 5 36	16°44'42	25°38	6°55	16°44	4°20	8° 6	17°19	16°53	7°26	8°40	11°51	13° 0	20°30	19°32	S 7
M 8	7 9 32	17°45'49	9♊48	8°29	17°59	5° 8	8°20	17°18	16°50	7°R26	8°39	11°48	12°57	20°36	19°36	M 8
T 9	7 13 29	18°46'57	23°50	10° 3	19°13	5°55	8°34	17°17	16°48	7°26	8°39	11°44	12°54	20°43	19°40	T 9
W10	7 17 26	19°48'03	7♋40	11°38	20°27	6°43	8°47	17°16	16°45	7°26	8°39	11°41	12°51	20°50	19°44	W10
T 11	7 21 22	20°49'09	21°16	13°14	21°42	7°30	9° 1	17°15	16°43	7°26	8°39	11°39	12°47	20°57	19°48	T 11
F 12	7 25 19	21°50'15	4♌33	14°50	22°56	8°17	9°15	17°14	16°40	7°26	8°38	11°38	12°44	21° 3	19°51	F 12
S 13	7 29 15	22°51'20	17°32	16°26	24°11	9° 5	9°29	17°14	16°37	7°26	8°38	11°D38	12°41	21°10	19°55	S 13
S 14	7 33 12	23°52'24	0♍13	18° 4	25°25	9°52	9°43	17°13	16°35	7°25	8°38	11°39	12°38	21°17	19°59	S 14
M15	7 37 8	24°53'28	12°37	19°41	26°39	10°39	9°58	17°13	16°32	7°25	8°38	11°40	12°35	21°23	20° 3	M15
T 16	7 41 5	25°54'31	24°47	21°19	27°54	11°27	10°12	17°12	16°30	7°25	8°38	11°42	12°32	21°30	20° 7	T 16
W17	7 45 1	26°55'34	6♎46	22°58	29° 8	12°14	10°26	17°12	16°27	7°25	8°37	11°43	12°28	21°37	20°11	W17
T 18	7 48 58	27°56'36	18°39	24°38	0♑23	13° 2	10°40	17°D12	16°25	7°24	8°37	11°44	12°25	21°44	20°15	T 18
F 19	7 52 55	28°57'38	0♏31	26°18	1°37	13°49	10°54	17°12	16°22	7°24	8°37	11°R44	12°22	21°50	20°19	F 19
S 20	7 56 51	29°58'39	12°27	27°58	2°52	14°37	11° 8	17°12	16°20	7°24	8°37	11°44	12°19	21°57	20°23	S 20
S 21	8 0 48	0♒59'40	24°30	29°40	4° 6	15°24	11°23	17°12	16°17	7°23	8°37	11°43	12°16	22° 4	20°28	S 21
M22	8 4 44	2° 0'40	6♐46	1♒22	5°21	16°12	11°37	17°13	16°15	7°23	8°D37	11°41	12°12	22°10	20°32	M22
T 23	8 8 41	3° 1'39	19°18	3° 4	6°36	16°59	11°51	17°13	16°12	7°22	8°37	11°40	12° 9	22°17	20°36	T 23
W24	8 12 37	4° 2'38	2♑ 9	4°47	7°50	17°46	12° 5	17°14	16°10	7°22	8°37	11°39	12° 6	22°24	20°40	W24
T 25	8 16 34	5° 3'36	15°19	6°31	9° 5	18°34	12°20	17°15	16° 7	7°21	8°37	11°38	12° 3	22°31	20°44	T 25
F 26	8 20 30	6° 4'33	28°49	8°16	10°19	19°21	12°34	17°15	16° 5	7°21	8°37	11°38	12° 0	22°37	20°48	F 26
S 27	8 24 27	7° 5'29	12♒38	10° 1	11°34	20° 9	12°48	17°16	16° 2	7°20	8°37	11°D38	11°57	22°44	20°53	S 27
S 28	8 28 24	8° 6'23	26°41	11°47	12°48	20°56	13° 3	17°17	16° 0	7°19	8°38	11°38	11°53	22°51	20°57	S 28
M29	8 32 20	9° 7'16	10♓55	13°33	14° 3	21°44	13°17	17°19	15°58	7°19	8°38	11°38	11°50	22°58	21° 1	M29
T 30	8 36 17	10° 8'08	25°15	15°20	15°18	22°31	13°31	17°20	15°55	7°18	8°38	11°38	11°47	23° 4	21° 5	T 30
W31	8 40 13	11♒ 8'59	9♈38	17♒ 7	16♑32	23♒19	13♒46	17♑21	15♋53	7♎17	8♑38	11♒38	11♒44	23♎11	21♒ 9	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	23s 4	9s33	1n43	24s 6	0s38	20s32	1n22	21s22	1s 7	19s16	0s39	14n54	2s17	22n51	0n28	1s32	1n32	0s36	15s50	17s16	16s51	12s 8	9s22	6n 2
T 2	22 59	3 21	2 51	24 14	0 45	20 46	1 20	21 12	1 7	19 12	0 39	14 53	2 16	22 51	0 28	1 32	1 32	0 36	15 50	17 15	16 52	12 11	9 22	6 1
W 3	22 53	3n 3	3 49	24 20	0 51	20 58	1 18	21 2	1 7	19 9	0 39	14 53	2 16	22 52	0 28	1 32	1 32	0 36	15 50	17 15	16 53	12 14	9 21	6 1
T 4	22 47	9 21	4 35	24 25	0 57	21 10	1 15	20 51	1 7	19 5	0 39	14 53	2 16	22 52	0 28	1 33	1 32	0 36	15 49	17 15	16 54	12 17	9 20	6 1
F 5	22 41	15 12	5 3	24 29	1 3	21 21	1 13	20 41	1 7	19 2	0 39	14 53	2 16	22 52	0 28	1 33	1 32	0 35	15 49	17 15	16 55	12 20	9 19	6 1
S 6	22 34	20 15	5 13	24 31	1 9	21 32	1 10	20 29	1 7	18 58	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 49	17 15	16 56	12 22	9 18	6 0
S 7	22 26	24 8	5 5	24 33	1 14	21 42	1 8	20 18	1 7	18 55	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 48	17 16	16 57	12 25	9 17	6 0
M 8	22 19	26 32	4 37	24 32	1 19	21 52	1 5	20 7	1 7	18 51	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 48	17 17	16 58	12 28	9 16	6 0
T 9	22 10	27 14	3 53	24 31	1 24	22 1	1 2	19 55	1 7	18 48	0 39	14 53	2 15	22 54	0 28	1 32	1 32	0 35	15 48	17 18	16 59	12 31	9 15	6 0
W10	22 2	26 12	2 56	24 28	1 29	22 9	1 0	19 43	1 7	18 44	0 39	14 53	2 14	22 54	0 28	1 32	1 33	0 34	15 47	17 19	17 0	12 34	9 14	5 59
T 11	21 52	23 37	1 50	24 23	1 34	22 17	0 57	19 31	1 7	18 40	0 39	14 53	2 14	22 54	0 28	1 32	1 33	0 34	15 47	17 20	17 0	12 37	9 13	5 59
F 12	21 43	19 48	0 39	24 17	1 38	22 24	0 55	19 18	1 7	18 37	0 39	14 53	2 14	22 55	0 28	1 32	1 33	0 34	15 47	17 20	17 1	12 40	9 12	5 59
S 13	21 33	15 6	0s33	24 10	1 42	22 30	0 52	19 6	1 7	18 33	0 40	14 53	2 13	22 55	0 28	1 32	1 33	0 34	15 46	17 20	17 2	12 43	9 11	5 59
S 14	21 23	9 51	1 41	24 1	1 46	22 36	0 49	18 53	1 7	18 29	0 40	14 53	2 13	22 55	0 28	1 32	1 33	0 33	15 46	17 20	17 3	12 45	9 10	5 59
M15	21 12	4 20	2 43	23 50	1 49	22 40	0 46	18 40	1 6	18 26	0 40	14 53	2 13	22 56	0 28	1 32	1 33	0 33	15 46	17 19	17 4	12 48	9 9	5 58
T 16	21 1	1s14	3 36	23 39	1 52	22 45	0 44	18 27	1 6	18 22	0 40	14 53	2 12	22 56	0 28	1 32	1 33	0 33	15 45	17 19	17 5	12 51	9 8	5 58
W17	20 49	6 40	4 20	23 25	1 55	22 48	0 41	18 13	1 6	18 18	0 40	14 54	2 12	22 56	0 28	1 31	1 33	0 32	15 45	17 19	17 6	12 54	9 7	5 58
T 18	20 37	11 49	4 51	23 10	1 57	22 51	0 38	18 0	1 6	18 14	0 40	14 54	2 12	22 57	0 28	1 31	1 33	0 32	15 45	17 18	17 7	12 57	9 6	5 58
F 19	20 25	16 31	5 10	22 54	2 0	22 53	0 35	17 46	1 6	18 10	0 40	14 54	2 12	22 57	0 28	1 31	1 33	0 32	15 44	17 18	17 8	13 0	9 5	5 58
S 20	20 12	20 37	5 16	22 36	2 1	22 55	0 33	17 32	1 6	18 7	0 40	14 54	2 11	22 57	0 28	1 31	1 33	0 32	15 44	17 18	17 9	13 2	9 4	5 58
S 21	19 59	23 55	5 9	22 16	2 3	22 56	0 30	17 18	1 6	18 3	0 40	14 55	2 11	22 57	0 28	1 31	1 33	0 31	15 43	17 19	17 9	13 5	9 3	5 57
M22	19 45	26 12	4 47	21 55	2 4	22 56	0 27	17 3	1 5	17 59	0 40	14 55	2 11	22 58	0 28	1 30	1 33	0 31	15 43	17 19	17 10	13 8	9 2	5 57
T 23	19 31	27 14	4 11	21 32	2 4	22 55	0 24	16 49	1 5	17 55	0 40	14 56	2 10	22 58	0 28	1 30	1 33	0 31	15 43	17 19	17 11	13 11	9 0	5 57
W24	19 17	26 50	3 22	21 7	2 5	22 54	0 21	16 34	1 5	17 51	0 40	14 56	2 10	22 58	0 28	1 30	1 33	0 30	15 42	17 20	17 12	13 14	8 59	5 57
T 25	19 3	24 56	2 21	20 41	2 4	22 52	0 19	16 19	1 5	17 47	0 40	14 56	2 10	22 59	0 28	1 30	1 33	0 30	15 42	17 20	17 13	13 16	8 58	5 57
F 26	18 48	21 35	1 10	20 14	2 4	22 50	0 16	16 4	1 5	17 43	0 40	14 57	2 10	22 59	0 28	1 29	1 33	0 30	15 42	17 20	17 14	13 19	8 57	5 57
S 27	18 32	16 58	0n 6	19 44	2 2	22 46	0 13	15 49	1 4	17 39	0 40	14 58	2 9	22 59	0 28	1 29	1 34	0 29	15 41	17 20	17 15	13 22	8 56	5 56
S 28	18 17	11 21	1 23	19 13	2 1	22 42	0 10	15 34	1 4	17 35	0 40	14 58	2 9	23 0	0 28	1 29	1 34	0 29	15 41	17 20	17 16	13 25	8 55	5 56
M29	18 1	5 5	2 35	18 41	1 59	22 37	0 7	15 18	1 4	17 31	0 41	14 59	2 9	23 0	0 28	1 29	1 34	0 28	15 41	17 20	17 17	13 28	8 53	5 56
T 30	17 45	1n28	3 39	18 7	1 56	22 32	0 5	15 2	1 4	17 27	0 41	14 59	2 8	23 0	0 28	1 28	1 34	0 28	15 40	17 20	17 17	13 30	8 52	5 56
W31	17s28	7n57	4n29	17s31	1s53	22s26	0n 2	14s47	1s 4	17s23	0s41	15n 0	2s 8	23n 0	0n28	1s28	1n34	0s28	15s40	17s20	17s18	13s33	8s51	5n56

Julian Day Number = 2312022.5, Delta T = 68.44 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'32, Lahiri = 18°31'32Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

FEBRUARY 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 44 10	12♒ 9'48	23♈58	18♒55	17♉47	24♒ 6	14♒ 0	17♉23	15°R51	7°R17	8♉38	11°R38	11♒41	23♎18	21♒14	T 1
F 2	8 48 6	13°10'36	8♉13	20°43	19° 1	24°54	14°14	17°24	15♋49	7♎16	8°38	11°D38	11°38	23°24	21°18	F 2
S 3	8 52 3	14°11'21	22°20	22°32	20°16	25°41	14°29	17°26	15°46	7°15	8°39	11♒38	11°34	23°31	21°22	S 3
S 4	8 55 59	15°12'06	6♊17	24°20	21°31	26°29	14°43	17°28	15°44	7°14	8°39	11°38	11°31	23°38	21°26	S 4
M 5	8 59 56	16°12'49	20° 3	26° 9	22°45	27°16	14°57	17°30	15°42	7°13	8°39	11°39	11°28	23°45	21°31	M 5
T 6	9 3 53	17°13'30	3♋37	27°57	24° 0	28° 3	15°12	17°32	15°40	7°12	8°40	11°39	11°25	23°51	21°35	T 6
W 7	9 7 49	18°14'09	16°59	29°44	25°14	28°51	15°26	17°34	15°38	7°11	8°40	11°40	11°22	23°58	21°39	W 7
T 8	9 11 46	19°14'47	0♌ 8	1♓31	26°29	29°38	15°41	17°36	15°36	7°10	8°40	11°40	11°18	24° 5	21°44	T 8
F 9	9 15 42	20°15'24	13° 4	3°17	27°44	0♓25	15°55	17°39	15°34	7° 9	8°41	11°R41	11°15	24°11	21°48	F 9
S 10	9 19 39	21°15'58	25°46	5° 2	28°58	1°13	16° 9	17°41	15°32	7° 8	8°41	11°40	11°12	24°18	21°52	S 10
S 11	9 23 35	22°16'32	8♍16	6°45	0♒13	2° 0	16°24	17°44	15°30	7° 7	8°41	11°39	11° 9	24°25	21°56	S 11
M12	9 27 32	23°17'03	20°33	8°25	1°27	2°47	16°38	17°46	15°28	7° 6	8°42	11°38	11° 6	24°32	22° 1	M12
T 13	9 31 28	24°17'34	2♎40	10° 3	2°42	3°35	16°52	17°49	15°26	7° 5	8°42	11°36	11° 3	24°38	22° 5	T 13
W14	9 35 25	25°18'03	14°39	11°38	3°57	4°22	17° 6	17°52	15°24	7° 4	8°43	11°34	10°59	24°45	22° 9	W14
T 15	9 39 22	26°18'30	26°33	13° 9	5°11	5° 9	17°21	17°55	15°22	7° 3	8°43	11°32	10°56	24°52	22°14	T 15
F 16	9 43 18	27°18'56	8♏25	14°36	6°26	5°57	17°35	17°58	15°21	7° 2	8°44	11°30	10°53	24°58	22°18	F 16
S 17	9 47 15	28°19'21	20°19	15°57	7°40	6°44	17°49	18° 1	15°19	7° 1	8°44	11°29	10°50	25° 5	22°22	S 17
S 18	9 51 11	29°19'44	2♐21	17°13	8°55	7°31	18° 3	18° 5	15°17	6°59	8°45	11°D29	10°47	25°12	22°26	S 18
M19	9 55 8	0♓20'06	14°34	18°23	10°10	8°18	18°18	18° 8	15°16	6°58	8°46	11°30	10°44	25°19	22°31	M19
T 20	9 59 4	1°20'27	27° 4	19°25	11°24	9° 6	18°32	18°12	15°14	6°57	8°46	11°31	10°40	25°25	22°35	T 20
W21	10 3 1	2°20'46	9♑54	20°20	12°39	9°53	18°46	18°15	15°12	6°56	8°47	11°33	10°37	25°32	22°39	W21
T 22	10 6 57	3°21'04	23° 8	21° 7	13°53	10°40	19° 0	18°19	15°11	6°54	8°47	11°34	10°34	25°39	22°43	T 22
F 23	10 10 54	4°21'20	6♒46	21°46	15° 8	11°27	19°14	18°23	15° 9	6°53	8°48	11°R35	10°31	25°45	22°48	F 23
S 24	10 14 51	5°21'34	20°50	22°15	16°23	12°14	19°29	18°27	15° 8	6°52	8°49	11°35	10°28	25°52	22°52	S 24
S 25	10 18 47	6°21'46	5♓14	22°36	17°37	13° 1	19°43	18°31	15° 7	6°50	8°49	11°33	10°24	25°59	22°56	S 25
M26	10 22 44	7°21'57	19°55	22°46	18°52	13°48	19°57	18°35	15° 5	6°49	8°50	11°31	10°21	26° 6	23° 0	M26
T 27	10 26 40	8°22'05	4♈45	22°R48	20° 6	14°35	20°11	18°39	15° 4	6°48	8°51	11°27	10°18	26°12	23° 4	T 27
W28	10 30 37	9♓22'12	19♈35	22♓40	21♒21	15♓22	20♒25	18♉43	15♋ 3	6♎46	8♉52	11♒23	10♒15	26♎19	23♒ 8	W28

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	17s11	14n 0	5n 2	16s54	1s49	22s19	0s 1	14s31	1s 3	17s19	0s41	15n 1	2s 8	23n 1	0n28	1s27	1n34	0s27	15s40	17s20	17s19	13s36	8s50	5n56
F 2	16 54	19 16	5 17	16 16	1 44	22 12	0 3	14 15	1 3	17 15	0 41	15 1	2 7	23 1	0 28	1 27	1 34	0 27	15 39	17 20	17 20	13 39	8 48	5 56
S 3	16 36	23 24	5 12	15 36	1 39	22 4	0 6	13 58	1 3	17 11	0 41	15 2	2 7	23 1	0 28	1 27	1 34	0 26	15 39	17 20	17 21	13 42	8 47	5 56
S 4	16 19	26 8	4 48	14 55	1 34	21 55	0 9	13 42	1 3	17 6	0 41	15 3	2 7	23 1	0 28	1 26	1 34	0 26	15 39	17 20	17 22	13 44	8 46	5 56
M 5	16 1	27 15	4 9	14 12	1 27	21 45	0 12	13 25	1 2	17 2	0 41	15 4	2 7	23 2	0 28	1 26	1 34	0 26	15 38	17 20	17 23	13 47	8 45	5 56
T 6	15 42	26 42	3 16	13 28	1 20	21 35	0 14	13 9	1 2	16 58	0 41	15 5	2 6	23 2	0 28	1 26	1 34	0 25	15 38	17 20	17 24	13 50	8 43	5 56
W 7	15 24	24 36	2 13	12 43	1 13	21 25	0 17	12 52	1 2	16 54	0 41	15 6	2 6	23 2	0 28	1 25	1 34	0 25	15 38	17 19	17 24	13 53	8 42	5 55
T 8	15 5	21 12	1 4	11 57	1 4	21 13	0 19	12 35	1 1	16 50	0 41	15 6	2 6	23 2	0 28	1 25	1 34	0 24	15 37	17 19	17 25	13 55	8 41	5 55
F 9	14 46	16 49	0s 8	11 11	0 55	21 1	0 22	12 18	1 1	16 46	0 41	15 7	2 5	23 3	0 28	1 24	1 34	0 24	15 37	17 19	17 26	13 58	8 40	5 55
S 10	14 27	11 45	1 17	10 23	0 45	20 48	0 24	12 1	1 1	16 41	0 41	15 8	2 5	23 3	0 28	1 24	1 34	0 24	15 37	17 19	17 27	14 1	8 38	5 55
S 11	14 7	6 18	2 22	9 36	0 35	20 35	0 27	11 44	1 1	16 37	0 42	15 9	2 5	23 3	0 28	1 23	1 34	0 23	15 36	17 20	17 28	14 4	8 37	5 55
M12	13 47	0 42	3 19	8 48	0 24	20 21	0 29	11 26	1 0	16 33	0 42	15 10	2 5	23 3	0 28	1 23	1 34	0 23	15 36	17 20	17 29	14 6	8 36	5 55
T 13	13 27	4s49	4 6	8 0	0 12	20 7	0 32	11 9	1 0	16 29	0 42	15 11	2 4	23 3	0 28	1 23	1 34	0 22	15 36	17 20	17 30	14 9	8 34	5 55
W14	13 7	10 7	4 42	7 12	0n 1	19 52	0 34	10 51	1 0	16 24	0 42	15 13	2 4	23 4	0 28	1 22	1 34	0 22	15 35	17 21	17 31	14 12	8 33	5 55
T 15	12 46	15 0	5 5	6 25	0 14	19 36	0 37	10 34	0 59	16 20	0 42	15 14	2 4	23 4	0 28	1 22	1 34	0 21	15 35	17 22	17 31	14 15	8 32	5 55
F 16	12 26	19 18	5 15	5 39	0 27	19 20	0 39	10 16	0 59	16 16	0 42	15 15	2 3	23 4	0 28	1 21	1 34	0 21	15 35	17 22	17 32	14 17	8 30	5 55
S 17	12 5	22 52	5 12	4 55	0 41	19 3	0 41	9 58	0 59	16 12	0 42	15 16	2 3	23 4	0 28	1 21	1 35	0 20	15 34	17 22	17 33	14 20	8 29	5 55
S 18	11 44	25 30	4 55	4 12	0 56	18 46	0 43	9 40	0 58	16 7	0 42	15 17	2 3	23 4	0 28	1 20	1 35	0 20	15 34	17 22	17 34	14 23	8 28	5 55
M19	11 23	26 59	4 25	3 31	1 11	18 28	0 46	9 22	0 58	16 3	0 42	15 18	2 3	23 5	0 28	1 19	1 35	0 19	15 34	17 22	17 35	14 25	8 26	5 55
T 20	11 1	27 9	3 41	2 53	1 26	18 10	0 48	9 4	0 58	15 59	0 42	15 19	2 2	23 5	0 28	1 19	1 35	0 19	15 33	17 22	17 36	14 28	8 25	5 55
W21	10 40	25 52	2 46	2 18	1 40	17 51	0 50	8 46	0 57	15 54	0 43	15 21	2 2	23 5	0 28	1 18	1 35	0 18	15 33	17 21	17 37	14 31	8 24	5 55
T 22	10 18	23 9	1 40	1 46	1 55	17 31	0 52	8 28	0 57	15 50	0 43	15 22	2 2	23 5	0 28	1 18	1 35	0 18	15 33	17 21	17 38	14 33	8 22	5 55
F 23	9 56	19 3	0 26	1 17	2 10	17 11	0 54	8 9	0 57	15 46	0 43	15 23	2 2	23 5	0 28	1 17	1 35	0 17	15 32	17 21	17 38	14 36	8 21	5 55
S 24	9 34	13 47	0n51	0 53	2 24	16 51	0 56	7 51	0 56	15 41	0 43	15 25	2 1	23 5	0 28	1 17	1 35	0 17	15 32	17 21	17 39	14 39	8 19	5 55
S 25	9 12	7 39	2 6	0 32	2 37	16 30	0 58	7 33	0 56	15 37	0 43	15 26	2 1	23 6	0 28	1 16	1 35	0 16	15 32	17 21	17 40	14 42	8 18	5 55
M26	8 49	1 1	3 15	0 16	2 50	16 9	1 0	7 14	0 55	15 33	0 43	15 27	2 1	23 6	0 28	1 16	1 35	0 16	15 31	17 22	17 41	14 44	8 17	5 55
T 27	8 27	5n44	4 11	0 5	3 2	15 47	1 1	6 56	0 55	15 28	0 43	15 29	2 1	23 6	0 28	1 15	1 35	0 15	15 31	17 23	17 42	14 47	8 15	5 55
W28	8s 4	12n 9	4n51	0n 2	3n12	15s25	1s 3	6s37	0s55	15s24	0s43	15n30	2s 0	23n 6	0n28	1s14	1n35	0s15	15s31	17s24	17s43	14s50	8s14	5n55

Julian Day Number = 2312053.5, Delta T = 68.36 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'36, Lahiri = 18°31'36Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

MARCH 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 34 33	10♓22'16	4♉19	22°R23	22♒35	16♓ 9	20♒39	18♉47	15°R 2	6°R45	8♉52	11°R19	10♒12	26♎26	23♒13	T 1
F 2	10 38 30	11°22'19	18°50	21♓58	23°50	16°56	20°53	18°52	15♋ 1	6♎43	8°53	11♒16	10° 9	26°32	23°17	F 2
S 3	10 42 26	12°22'19	3♊ 4	21°25	25° 5	17°43	21° 6	18°56	14°59	6°42	8°54	11°14	10° 5	26°39	23°21	S 3
S 4	10 46 23	13°22'17	16°58	20°45	26°19	18°30	21°20	19° 1	14°58	6°40	8°55	11°D14	10° 2	26°46	23°25	S 4
M 5	10 50 20	14°22'13	0♋33	19°59	27°34	19°17	21°34	19° 6	14°57	6°39	8°56	11°15	9°59	26°53	23°29	M 5
T 6	10 54 16	15°22'07	13°50	19° 8	28°48	20° 4	21°48	19°10	14°57	6°37	8°57	11°17	9°56	26°59	23°33	T 6
W 7	10 58 13	16°21'58	26°51	18°14	0♓ 3	20°51	22° 2	19°15	14°56	6°36	8°57	11°18	9°53	27° 6	23°37	W 7
T 8	11 2 9	17°21'47	9♌38	17°17	1°17	21°37	22°15	19°20	14°55	6°34	8°58	11°R19	9°50	27°13	23°41	T 8
F 9	11 6 6	18°21'34	22°13	16°19	2°32	22°24	22°29	19°25	14°54	6°33	8°59	11°18	9°46	27°20	23°45	F 9
S 10	11 10 2	19°21'19	4♍37	15°22	3°46	23°11	22°43	19°30	14°53	6°31	9° 0	11°16	9°43	27°26	23°49	S 10
S 11	11 13 59	20°21'02	16°53	14°26	5° 0	23°57	22°56	19°35	14°53	6°30	9° 1	11°12	9°40	27°33	23°53	S 11
M12	11 17 55	21°20'42	29° 0	13°32	6°15	24°44	23°10	19°41	14°52	6°28	9° 2	11° 5	9°37	27°40	23°57	M12
T 13	11 21 52	22°20'21	11♎ 1	12°42	7°29	25°31	23°23	19°46	14°51	6°27	9° 3	10°58	9°34	27°46	24° 1	T 13
W14	11 25 48	23°19'58	22°57	11°56	8°44	26°17	23°37	19°51	14°51	6°25	9° 4	10°50	9°30	27°53	24° 5	W14
T 15	11 29 45	24°19'32	4♏50	11°16	9°58	27° 4	23°50	19°57	14°50	6°23	9° 5	10°42	9°27	28° 0	24° 8	T 15
F 16	11 33 42	25°19'05	16°42	10°40	11°13	27°50	24° 3	20° 2	14°50	6°22	9° 6	10°34	9°24	28° 7	24°12	F 16
S 17	11 37 38	26°18'37	28°36	10°11	12°27	28°37	24°17	20° 8	14°50	6°20	9° 7	10°29	9°21	28°13	24°16	S 17
S 18	11 41 35	27°18'06	10♐36	9°47	13°42	29°23	24°30	20°14	14°49	6°18	9° 8	10°25	9°18	28°20	24°20	S 18
M19	11 45 31	28°17'34	22°47	9°30	14°56	0♈10	24°43	20°19	14°49	6°17	9° 9	10°23	9°15	28°27	24°24	M19
T 20	11 49 28	29°16'59	5♑12	9°18	16°10	0°56	24°56	20°25	14°49	6°15	9°10	10°D23	9°11	28°33	24°27	T 20
W21	11 53 24	0♈16'23	17°57	9°D13	17°25	1°42	25° 9	20°31	14°49	6°14	9°11	10°24	9° 8	28°40	24°31	W21
T 22	11 57 21	1°15'46	1♒ 6	9°13	18°39	2°29	25°22	20°37	14°49	6°12	9°12	10°25	9° 5	28°47	24°34	T 22
F 23	12 1 17	2°15'06	14°42	9°19	19°54	3°15	25°35	20°43	14°D49	6°10	9°14	10°R26	9° 2	28°54	24°38	F 23
S 24	12 5 14	3°14'25	28°46	9°30	21° 8	4° 1	25°48	20°49	14°49	6° 9	9°15	10°24	8°59	29° 0	24°42	S 24
S 25	12 9 11	4°13'41	13♓18	9°46	22°22	4°47	26° 1	20°55	14°49	6° 7	9°16	10°20	8°55	29° 7	24°45	S 25
M26	12 13 7	5°12'56	28°12	10° 8	23°37	5°33	26°14	21° 1	14°49	6° 5	9°17	10°14	8°52	29°14	24°49	M26
T 27	12 17 4	6°12'08	13♈20	10°34	24°51	6°19	26°26	21° 8	14°49	6° 4	9°18	10° 7	8°49	29°20	24°52	T 27
W28	12 21 0	7°11'19	28°34	11° 5	26° 5	7° 5	26°39	21°14	14°49	6° 2	9°19	9°58	8°46	29°27	24°56	W28
T 29	12 24 57	8°10'27	13♉40	11°39	27°20	7°51	26°51	21°20	14°50	6° 0	9°20	9°49	8°43	29°34	24°59	T 29
F 30	12 28 53	9° 9'33	28°31	12°18	28°34	8°37	27° 4	21°27	14°50	5°59	9°22	9°42	8°40	29°41	25° 2	F 30
S 31	12 32 50	10♈ 8'37	13♊ 0	13♓ 1	29♓48	9♈23	27♒16	21♉33	14♋50	5♎57	9♉23	9♒37	8♒36	29♎47	25♒ 6	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	7s42	17n51	5n10	0n 3	3n21	15s 2	1s 5	6s18	0s54	15s20	0s43	15n32	2s 0	23n 6	0n28	1s14	1n35	0s14	15s31	17s25	17s44	14s52	8s13	5n55
F 2	7 19	22 25	5 10	0 0	3 29	14 39	1 7	6 0	0 54	15 15	0 44	15 33	2 0	23 6	0 28	1 13	1 35	0 14	15 30	17 26	17 44	14 55	8 11	5 56
S 3	6 56	25 34	4 51	0s 8	3 34	14 16	1 8	5 41	0 53	15 11	0 44	15 34	2 0	23 6	0 28	1 13	1 35	0 13	15 30	17 26	17 45	14 58	8 10	5 56
S 4	6 33	27 4	4 14	0 20	3 38	13 52	1 10	5 22	0 53	15 7	0 44	15 36	1 59	23 6	0 28	1 12	1 35	0 13	15 30	17 27	17 46	15 0	8 8	5 56
M 5	6 10	26 54	3 24	0 36	3 40	13 28	1 11	5 3	0 52	15 2	0 44	15 37	1 59	23 6	0 28	1 11	1 35	0 12	15 29	17 26	17 47	15 3	8 7	5 56
T 6	5 47	25 10	2 24	0 56	3 40	13 3	1 13	4 44	0 52	14 58	0 44	15 39	1 59	23 7	0 28	1 11	1 35	0 12	15 29	17 26	17 48	15 6	8 6	5 56
W 7	5 23	22 6	1 18	1 19	3 38	12 38	1 14	4 26	0 52	14 54	0 44	15 40	1 59	23 7	0 28	1 10	1 35	0 11	15 29	17 25	17 49	15 8	8 4	5 56
T 8	5 0	18 1	0 9	1 45	3 34	12 13	1 15	4 7	0 51	14 49	0 44	15 42	1 58	23 7	0 28	1 10	1 35	0 11	15 29	17 25	17 50	15 11	8 3	5 56
F 9	4 37	13 12	0s59	2 13	3 28	11 47	1 16	3 48	0 51	14 45	0 44	15 44	1 58	23 7	0 28	1 9	1 35	0 10	15 28	17 25	17 50	15 13	8 1	5 56
S 10	4 13	7 55	2 3	2 43	3 20	11 21	1 18	3 29	0 50	14 41	0 45	15 45	1 58	23 7	0 28	1 8	1 35	0 10	15 28	17 26	17 51	15 16	8 0	5 56
S 11	3 50	2 25	3 1	3 13	3 10	10 55	1 19	3 10	0 50	14 36	0 45	15 47	1 58	23 7	0 28	1 8	1 35	0 9	15 28	17 27	17 52	15 19	7 59	5 56
M12	3 26	3s 7	3 50	3 43	2 59	10 28	1 20	2 51	0 49	14 32	0 45	15 48	1 57	23 7	0 28	1 7	1 35	0 9	15 28	17 29	17 53	15 21	7 57	5 56
T 13	3 3	8 28	4 28	4 14	2 47	10 2	1 21	2 32	0 49	14 28	0 45	15 50	1 57	23 7	0 28	1 6	1 35	0 8	15 27	17 31	17 54	15 24	7 56	5 57
W14	2 39	13 29	4 53	4 43	2 34	9 35	1 22	2 13	0 48	14 23	0 45	15 52	1 57	23 7	0 28	1 6	1 35	0 8	15 27	17 33	17 55	15 27	7 55	5 57
T 15	2 16	17 58	5 6	5 12	2 20	9 7	1 23	1 54	0 48	14 19	0 45	15 53	1 57	23 7	0 28	1 5	1 35	0 7	15 27	17 35	17 55	15 29	7 53	5 57
F 16	1 52	21 45	5 6	5 39	2 6	8 40	1 23	1 35	0 47	14 15	0 45	15 55	1 56	23 7	0 28	1 4	1 35	0 6	15 27	17 37	17 56	15 32	7 52	5 57
S 17	1 28	24 39	4 53	6 4	1 51	8 12	1 24	1 16	0 47	14 10	0 45	15 57	1 56	23 7	0 28	1 4	1 35	0 6	15 26	17 39	17 57	15 34	7 50	5 57
S 18	1 5	26 29	4 27	6 27	1 35	7 44	1 25	0 57	0 47	14 6	0 46	15 59	1 56	23 7	0 27	1 3	1 35	0 5	15 26	17 40	17 58	15 37	7 49	5 57
M19	0 41	27 5	3 48	6 47	1 20	7 16	1 25	0 38	0 46	14 2	0 46	16 0	1 56	23 7	0 27	1 2	1 35	0 5	15 26	17 40	17 59	15 40	7 48	5 57
T 20	0 17	26 21	2 58	7 6	1 5	6 47	1 26	0 19	0 46	13 57	0 46	16 2	1 56	23 7	0 27	1 2	1 35	0 4	15 26	17 40	18 0	15 42	7 46	5 58
W21	0n 7	24 14	1 58	7 22	0 50	6 19	1 26	0 1	0 45	13 53	0 46	16 4	1 55	23 7	0 27	1 1	1 35	0 4	15 25	17 40	18 1	15 45	7 45	5 58
T 22	0 30	20 46	0 50	7 35	0 35	5 50	1 27	0n18	0 45	13 49	0 46	16 6	1 55	23 7	0 27	1 0	1 35	0 3	15 25	17 40	18 1	15 47	7 44	5 58
F 23	0 54	16 6	0n23	7 46	0 21	5 21	1 27	0 37	0 44	13 45	0 46	16 7	1 55	23 7	0 27	1 0	1 35	0 3	15 25	17 40	18 2	15 50	7 42	5 58
S 24	1 17	10 25	1 37	7 55	0 7	4 52	1 27	0 56	0 43	13 41	0 46	16 9	1 55	23 7	0 27	0 59	1 35	0 2	15 25	17 40	18 3	15 53	7 41	5 58
S 25	1 41	4 1	2 47	8 2	0s 7	4 22	1 28	1 15	0 43	13 36	0 47	16 11	1 55	23 7	0 27	0 58	1 35	0 2	15 25	17 41	18 4	15 55	7 40	5 58
M26	2 5	2n45	3 47	8 5	0 20	3 53	1 28	1 34	0 42	13 32	0 47	16 13	1 54	23 7	0 27	0 58	1 35	0 1	15 24	17 43	18 5	15 58	7 38	5 59
T 27	2 28	9 27	4 32	8 7	0 32	3 24	1 28	1 52	0 42	13 28	0 47	16 15	1 54	23 7	0 27	0 57	1 35	0 1	15 24	17 45	18 6	16 0	7 37	5 59
W28	2 52	15 38	4 59	8 7	0 44	2 54	1 28	2 11	0 41	13 24	0 47	16 16	1 54	23 7	0 27	0 56	1 35	0 0	15 24	17 47	18 6	16 3	7 36	5 59
T 29	3 15	20 48	5 4	8 4	0 56	2 24	1 28	2 30	0 41	13 20	0 47	16 18	1 54	23 7	0 27	0 56	1 35	0n 0	15 24	17 50	18 7	16 5	7 34	5 59
F 30	3 38	24 34	4 49	7 59	1 7	1 55	1 28	2 49	0 40	13 16	0 47	16 20	1 54	23 7	0 27	0 55	1 35	0 1	15 24	17 52	18 8	16 8	7 33	5 59
S 31	4n 2	26n37	4n15	7s52	1s17	1s25	1s28	3n 7	0s40	13s11	0s48	16n22	1s53	23n 7	0n27	0s54	1n35	0n 2	15s23	17s53	18s 9	16s10	7s32	6n 0

Julian Day Number = 2312081.5, Delta T = 68.28 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'40, Lahiri = 18°31'40Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

APRIL 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 36 46	11♈ 7'39	27♊ 3	13♓47	1♈ 2	10♈ 9	27♒29	21♉40	14♋51	5°R55	9♉24	9°R34	8♒33	29♎54	25♒ 9	S 1
M 2	12 40 43	12° 6'38	10♋39	14°37	2°17	10°55	27°41	21°46	14°51	5♎54	9°25	9°D33	8°30	0♏ 1	25°12	M 2
T 3	12 44 40	13° 5'35	23°52	15°30	3°31	11°41	27°53	21°53	14°52	5°52	9°26	9♒33	8°27	0° 8	25°15	T 3
W 4	12 48 36	14° 4'30	6♌43	16°26	4°45	12°27	28° 5	22° 0	14°52	5°51	9°28	9°R34	8°24	0°14	25°18	W 4
T 5	12 52 33	15° 3'22	19°18	17°24	5°59	13°12	28°17	22° 6	14°53	5°49	9°29	9°33	8°21	0°21	25°22	T 5
F 6	12 56 29	16° 2'12	1♍39	18°26	7°14	13°58	28°29	22°13	14°54	5°47	9°30	9°31	8°17	0°28	25°25	F 6
S 7	13 0 26	17° 0'59	13°50	19°30	8°28	14°43	28°41	22°20	14°55	5°46	9°31	9°26	8°14	0°34	25°28	S 7
S 8	13 4 22	17°59'45	25°53	20°37	9°42	15°29	28°53	22°27	14°55	5°44	9°33	9°19	8°11	0°41	25°31	S 8
M 9	13 8 19	18°58'28	7♎52	21°46	10°56	16°15	29° 4	22°34	14°56	5°42	9°34	9° 8	8° 8	0°48	25°34	M 9
T 10	13 12 15	19°57'09	19°47	22°58	12°10	17° 0	29°16	22°41	14°57	5°41	9°35	8°56	8° 5	0°55	25°36	T 10
W11	13 16 12	20°55'49	1♏40	24°12	13°25	17°45	29°27	22°48	14°58	5°39	9°37	8°43	8° 1	1° 1	25°39	W11
T 12	13 20 9	21°54'26	13°33	25°28	14°39	18°31	29°39	22°55	14°59	5°38	9°38	8°30	7°58	1° 8	25°42	T 12
F 13	13 24 5	22°53'02	25°27	26°46	15°53	19°16	29°50	23° 2	15° 0	5°36	9°39	8°18	7°55	1°15	25°45	F 13
S 14	13 28 2	23°51'36	7♐23	28° 6	17° 7	20° 1	0♓ 1	23° 9	15° 2	5°35	9°41	8° 8	7°52	1°21	25°48	S 14
S 15	13 31 58	24°50'08	19°25	29°28	18°21	20°47	0°12	23°16	15° 3	5°33	9°42	8° 0	7°49	1°28	25°50	S 15
M16	13 35 55	25°48'38	1♑36	0♈52	19°35	21°32	0°24	23°24	15° 4	5°31	9°43	7°55	7°46	1°35	25°53	M16
T 17	13 39 51	26°47'07	14° 0	2°18	20°49	22°17	0°34	23°31	15° 5	5°30	9°45	7°53	7°42	1°42	25°55	T 17
W18	13 43 48	27°45'34	26°41	3°46	22° 3	23° 2	0°45	23°38	15° 7	5°28	9°46	7°D53	7°39	1°48	25°58	W18
T 19	13 47 44	28°43'59	9♒44	5°16	23°17	23°47	0°56	23°45	15° 8	5°27	9°47	7°R53	7°36	1°55	26° 0	T 19
F 20	13 51 41	29°42'23	23°13	6°48	24°31	24°32	1° 7	23°53	15° 9	5°25	9°49	7°52	7°33	2° 2	26° 3	F 20
S 21	13 55 38	0♉40'46	7♓10	8°21	25°45	25°17	1°17	24° 0	15°11	5°24	9°50	7°50	7°30	2° 9	26° 5	S 21
S 22	13 59 34	1°39'06	21°35	9°57	27° 0	26° 2	1°28	24° 8	15°12	5°23	9°51	7°45	7°27	2°15	26° 7	S 22
M23	14 3 31	2°37'25	6♈26	11°34	28°14	26°47	1°38	24°15	15°14	5°21	9°53	7°38	7°23	2°22	26°10	M23
T 24	14 7 27	3°35'42	21°37	13°13	29°28	27°31	1°48	24°22	15°16	5°20	9°54	7°28	7°20	2°29	26°12	T 24
W25	14 11 24	4°33'58	6♉56	14°54	0♉42	28°16	1°58	24°30	15°17	5°18	9°55	7°17	7°17	2°35	26°14	W25
T 26	14 15 20	5°32'12	22°14	16°36	1°56	29° 1	2° 8	24°37	15°19	5°17	9°57	7° 6	7°14	2°42	26°16	T 26
F 27	14 19 17	6°30'24	7♊18	18°21	3°10	29°45	2°18	24°45	15°21	5°16	9°58	6°56	7°11	2°49	26°18	F 27
S 28	14 23 13	7°28'35	21°59	20° 7	4°24	0♉30	2°28	24°53	15°23	5°14	9°59	6°49	7° 7	2°56	26°20	S 28
S 29	14 27 10	8°26'43	6♋13	21°55	5°38	1°14	2°38	25° 0	15°24	5°13	10° 1	6°45	7° 4	3° 2	26°22	S 29
M30	14 31 7	9♉24'49	19♋58	23♈45	6♉52	1♉59	2♓47	25♉ 8	15♋26	5♎12	10♉ 2	6♒42	7♒ 1	3♏ 9	26♒24	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	4n25	26n54	3n27	7s43	1s26	0s55	1s27	3n26	0s39	13s 7	0s48	16n24	1s53	23n 7	0n27	0s54	1n35	0n 2	15s23	17s54	18s10	16s13	7s31	6n 0
M 2	4 48	25 31	2 28	7 32	1 35	0 25	1 27	3 44	0 39	13 3	0 48	16 26	1 53	23 7	0 27	0 53	1 35	0 3	15 23	17 54	18 11	16 15	7 29	6 0
T 3	5 11	22 44	1 23	7 20	1 44	0n 5	1 27	4 3	0 38	12 59	0 48	16 27	1 53	23 7	0 27	0 52	1 35	0 3	15 23	17 54	18 11	16 18	7 28	6 0
W 4	5 34	18 53	0 15	7 5	1 52	0 35	1 26	4 21	0 38	12 55	0 48	16 29	1 53	23 7	0 27	0 52	1 35	0 4	15 23	17 54	18 12	16 20	7 27	6 1
T 5	5 57	14 15	0s52	6 49	1 59	1 4	1 26	4 39	0 37	12 51	0 48	16 31	1 53	23 6	0 27	0 51	1 35	0 4	15 23	17 54	18 13	16 23	7 26	6 1
F 6	6 19	9 8	1 55	6 31	2 6	1 34	1 25	4 58	0 37	12 47	0 49	16 33	1 52	23 6	0 27	0 51	1 35	0 5	15 22	17 54	18 14	16 26	7 24	6 1
S 7	6 42	3 44	2 51	6 11	2 12	2 4	1 24	5 16	0 36	12 43	0 49	16 35	1 52	23 6	0 27	0 50	1 35	0 5	15 22	17 56	18 15	16 28	7 23	6 1
S 8	7 4	1s43	3 40	5 50	2 17	2 34	1 24	5 34	0 35	12 39	0 49	16 37	1 52	23 6	0 27	0 49	1 35	0 6	15 22	17 58	18 16	16 31	7 22	6 2
M 9	7 27	7 4	4 18	5 27	2 22	3 4	1 23	5 52	0 35	12 35	0 49	16 39	1 52	23 6	0 27	0 49	1 35	0 6	15 22	18 1	18 16	16 33	7 21	6 2
T 10	7 49	12 8	4 44	5 3	2 27	3 34	1 22	6 10	0 34	12 31	0 49	16 41	1 52	23 6	0 27	0 48	1 35	0 7	15 22	18 4	18 17	16 36	7 20	6 2
W11	8 11	16 44	4 58	4 37	2 30	4 3	1 21	6 28	0 34	12 28	0 50	16 43	1 52	23 6	0 27	0 47	1 35	0 7	15 22	18 7	18 18	16 38	7 18	6 2
T 12	8 33	20 42	4 59	4 9	2 34	4 33	1 20	6 46	0 33	12 24	0 50	16 45	1 51	23 6	0 27	0 47	1 35	0 8	15 22	18 11	18 19	16 41	7 17	6 3
F 13	8 55	23 49	4 48	3 41	2 36	5 2	1 19	7 3	0 33	12 20	0 50	16 47	1 51	23 6	0 27	0 46	1 35	0 8	15 21	18 14	18 20	16 43	7 16	6 3
S 14	9 17	25 55	4 23	3 11	2 38	5 32	1 18	7 21	0 32	12 16	0 50	16 48	1 51	23 5	0 27	0 46	1 35	0 9	15 21	18 16	18 20	16 45	7 15	6 3
S 15	9 38	26 50	3 46	2 39	2 40	6 1	1 17	7 39	0 31	12 12	0 50	16 50	1 51	23 5	0 27	0 45	1 35	0 9	15 21	18 18	18 21	16 48	7 14	6 3
M16	10 0	26 28	2 59	2 7	2 41	6 30	1 16	7 56	0 31	12 9	0 50	16 52	1 51	23 5	0 27	0 44	1 35	0 10	15 21	18 20	18 22	16 50	7 13	6 4
T 17	10 21	24 47	2 3	1 33	2 41	6 59	1 15	8 14	0 30	12 5	0 51	16 54	1 51	23 5	0 27	0 44	1 35	0 10	15 21	18 20	18 23	16 53	7 11	6 4
W18	10 42	21 50	0 59	0 58	2 41	7 28	1 14	8 31	0 30	12 1	0 51	16 56	1 51	23 5	0 27	0 43	1 35	0 11	15 21	18 20	18 24	16 55	7 10	6 4
T 19	11 3	17 42	0n10	0 21	2 41	7 57	1 12	8 48	0 29	11 58	0 51	16 58	1 50	23 5	0 27	0 43	1 35	0 11	15 21	18 20	18 25	16 58	7 9	6 4
F 20	11 24	12 33	1 20	0n16	2 39	8 25	1 11	9 5	0 28	11 54	0 51	17 0	1 50	23 4	0 27	0 42	1 35	0 12	15 21	18 20	18 25	17 0	7 8	6 5
S 21	11 44	6 37	2 28	0 54	2 38	8 54	1 10	9 22	0 28	11 50	0 51	17 2	1 50	23 4	0 27	0 41	1 35	0 12	15 21	18 21	18 26	17 3	7 7	6 5
S 22	12 4	0 9	3 29	1 34	2 35	9 22	1 8	9 39	0 27	11 47	0 52	17 4	1 50	23 4	0 27	0 41	1 35	0 12	15 21	18 22	18 27	17 5	7 6	6 5
M23	12 25	6n30	4 17	2 15	2 32	9 50	1 7	9 56	0 27	11 43	0 52	17 6	1 50	23 4	0 27	0 40	1 35	0 13	15 21	18 24	18 28	17 8	7 5	6 6
T 24	12 44	12 54	4 49	2 56	2 29	10 18	1 5	10 13	0 26	11 40	0 52	17 8	1 50	23 4	0 27	0 40	1 35	0 13	15 21	18 27	18 29	17 10	7 4	6 6
W25	13 4	18 35	5 0	3 39	2 25	10 45	1 3	10 29	0 25	11 37	0 52	17 10	1 50	23 3	0 27	0 39	1 35	0 14	15 20	18 29	18 29	17 12	7 3	6 6
T 26	13 24	23 2	4 50	4 22	2 21	11 12	1 2	10 46	0 25	11 33	0 53	17 12	1 50	23 3	0 27	0 39	1 35	0 14	15 20	18 32	18 30	17 15	7 2	6 7
F 27	13 43	25 50	4 20	5 7	2 16	11 39	1 0	11 2	0 24	11 30	0 53	17 14	1 49	23 3	0 27	0 38	1 35	0 15	15 20	18 35	18 31	17 17	7 1	6 7
S 28	14 2	26 47	3 33	5 52	2 10	12 6	0 58	11 18	0 24	11 26	0 53	17 15	1 49	23 3	0 27	0 38	1 35	0 15	15 20	18 36	18 32	17 20	7 0	6 7
S 29	14 21	25 54	2 33	6 38	2 5	12 32	0 56	11 34	0 23	11 23	0 53	17 17	1 49	23 3	0 27	0 37	1 35	0 16	15 20	18 38	18 33	17 22	6 59	6 7
M30	14n40	23n26	1n27	7n25	1s58	12n58	0s55	11n50	0s22	11s20	0s53	17n19	1s49	23n 2	0n27	0s37	1n35	0n16	15s20	18s38	18s33	17s24	6s58	6n 8

Julian Day Number = 2312112.5, Delta T = 68.20 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'44, Lahiri = 18°31'44Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

MAY 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 3	10♉22'54	3♌14	25♈37	8♉ 5	2♉43	2♓57	25♉15	15♋28	5°R10	10♉ 3	6°R42	6♒58	3♏16	26♒26	T 1
W 2	14 39 0	11°20'56	16° 6	27°30	9°19	3°28	3° 6	25°23	15°30	5♎ 9	10° 5	6♒42	6°55	3°23	26°28	W 2
T 3	14 42 56	12°18'56	28°38	29°26	10°33	4°12	3°15	25°31	15°32	5° 8	10° 6	6°41	6°52	3°29	26°29	T 3
F 4	14 46 53	13°16'55	10♍54	1♉23	11°47	4°56	3°24	25°38	15°34	5° 6	10° 7	6°39	6°48	3°36	26°31	F 4
S 5	14 50 49	14°14'51	22°59	3°22	13° 1	5°40	3°33	25°46	15°37	5° 5	10° 9	6°34	6°45	3°43	26°33	S 5
S 6	14 54 46	15°12'46	4♎56	5°23	14°15	6°25	3°42	25°54	15°39	5° 4	10°10	6°26	6°42	3°49	26°34	S 6
M 7	14 58 42	16°10'39	16°50	7°25	15°29	7° 9	3°50	26° 2	15°41	5° 3	10°12	6°16	6°39	3°56	26°36	M 7
T 8	15 2 39	17° 8'30	28°42	9°29	16°43	7°53	3°59	26° 9	15°43	5° 2	10°13	6° 3	6°36	4° 3	26°37	T 8
W 9	15 6 36	18° 6'20	10♏34	11°34	17°57	8°37	4° 7	26°17	15°46	5° 1	10°14	5°50	6°33	4°10	26°39	W 9
T 10	15 10 32	19° 4'09	22°29	13°41	19°10	9°21	4°16	26°25	15°48	5° 0	10°16	5°36	6°29	4°16	26°40	T 10
F 11	15 14 29	20° 1'56	4♐27	15°49	20°24	10° 5	4°24	26°33	15°50	4°59	10°17	5°24	6°26	4°23	26°41	F 11
S 12	15 18 25	20°59'41	16°30	17°59	21°38	10°48	4°32	26°40	15°53	4°57	10°18	5°14	6°23	4°30	26°42	S 12
S 13	15 22 22	21°57'26	28°39	20° 9	22°52	11°32	4°40	26°48	15°55	4°56	10°20	5° 6	6°20	4°36	26°43	S 13
M14	15 26 18	22°55'09	10♑57	22°20	24° 6	12°16	4°47	26°56	15°58	4°55	10°21	5° 1	6°17	4°43	26°45	M14
T 15	15 30 15	23°52'51	23°27	24°31	25°20	13° 0	4°55	27° 4	16° 0	4°55	10°22	4°59	6°13	4°50	26°46	T 15
W16	15 34 11	24°50'31	6♒11	26°43	26°33	13°43	5° 2	27°12	16° 3	4°54	10°24	4°D58	6°10	4°57	26°47	W16
T 17	15 38 8	25°48'11	19°13	28°54	27°47	14°27	5°10	27°19	16° 5	4°53	10°25	4°R58	6° 7	5° 3	26°47	T 17
F 18	15 42 5	26°45'50	2♓37	1♊ 5	29° 1	15°10	5°17	27°27	16° 8	4°52	10°26	4°58	6° 4	5°10	26°48	F 18
S 19	15 46 1	27°43'27	16°26	3°16	0♊15	15°54	5°24	27°35	16°11	4°51	10°28	4°57	6° 1	5°17	26°49	S 19
S 20	15 49 58	28°41'04	0♈40	5°25	1°29	16°37	5°31	27°43	16°13	4°50	10°29	4°54	5°58	5°24	26°50	S 20
M21	15 53 54	29°38'40	15°18	7°34	2°42	17°20	5°37	27°51	16°16	4°49	10°30	4°48	5°54	5°30	26°50	M21
T 22	15 57 51	0♊36'15	0♉15	9°41	3°56	18° 4	5°44	27°58	16°19	4°48	10°31	4°40	5°51	5°37	26°51	T 22
W23	16 1 47	1°33'49	15°24	11°46	5°10	18°47	5°50	28° 6	16°22	4°48	10°33	4°31	5°48	5°44	26°52	W23
T 24	16 5 44	2°31'22	0♊35	13°50	6°24	19°30	5°56	28°14	16°24	4°47	10°34	4°22	5°45	5°50	26°52	T 24
F 25	16 9 40	3°28'54	15°37	15°51	7°37	20°13	6° 3	28°22	16°27	4°46	10°35	4°14	5°42	5°57	26°52	F 25
S 26	16 13 37	4°26'24	0♋20	17°51	8°51	20°56	6° 8	28°30	16°30	4°46	10°37	4° 7	5°39	6° 4	26°53	S 26
S 27	16 17 34	5°23'54	14°39	19°48	10° 5	21°39	6°14	28°37	16°33	4°45	10°38	4° 4	5°35	6°11	26°53	S 27
M28	16 21 30	6°21'22	28°30	21°43	11°19	22°22	6°20	28°45	16°36	4°44	10°39	4°D 2	5°32	6°17	26°53	M28
T 29	16 25 27	7°18'50	11♌52	23°35	12°32	23° 5	6°25	28°53	16°39	4°44	10°40	4° 2	5°29	6°24	26°53	T 29
W30	16 29 23	8°16'15	24°49	25°25	13°46	23°48	6°30	29° 1	16°42	4°43	10°42	4° 3	5°26	6°31	26°54	W30
T 31	16 33 20	9♊13'40	7♍23	27♊12	15♊ 0	24♉31	6♓35	29♉ 8	16♋45	4♎43	10♉43	4°R 4	5♒23	6♏38	26°R54	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	14n58	19n46	0n18	8n12	1s51	13n24	0s53	12n 6	0s22	11s17	0s54	17n21	1s49	23n 2	0n27	0s36	1n35	0n16	15s20	18s38	18s34	17s27	6s57	6n 8
W 2	15 16	15 15	0s50	9 0	1 44	13 50	0 51	12 22	0 21	11 14	0 54	17 23	1 49	23 2	0 27	0 36	1 35	0 17	15 20	18 38	18 35	17 29	6 56	6 8
T 3	15 34	10 12	1 53	9 48	1 36	14 15	0 49	12 38	0 20	11 10	0 54	17 25	1 49	23 2	0 27	0 35	1 35	0 17	15 20	18 39	18 36	17 32	6 56	6 9
F 4	15 52	4 52	2 50	10 37	1 28	14 40	0 47	12 53	0 20	11 7	0 54	17 27	1 49	23 1	0 27	0 35	1 35	0 18	15 20	18 39	18 37	17 34	6 55	6 9
S 5	16 9	0s33	3 38	11 25	1 19	15 4	0 45	13 8	0 19	11 4	0 55	17 29	1 49	23 1	0 27	0 34	1 35	0 18	15 20	18 40	18 37	17 36	6 54	6 9
S 6	16 26	5 53	4 17	12 15	1 10	15 28	0 43	13 24	0 19	11 1	0 55	17 31	1 49	23 1	0 27	0 34	1 35	0 19	15 20	18 42	18 38	17 39	6 53	6 10
M 7	16 43	10 59	4 43	13 4	1 1	15 52	0 41	13 39	0 18	10 58	0 55	17 33	1 49	23 1	0 27	0 33	1 35	0 19	15 20	18 45	18 39	17 41	6 52	6 10
T 8	16 59	15 40	4 58	13 53	0 51	16 15	0 39	13 54	0 17	10 56	0 55	17 35	1 48	23 0	0 27	0 33	1 35	0 19	15 20	18 48	18 40	17 43	6 51	6 10
W 9	17 16	19 45	4 59	14 41	0 41	16 38	0 37	14 8	0 17	10 53	0 55	17 36	1 48	23 0	0 27	0 33	1 35	0 20	15 20	18 51	18 41	17 46	6 51	6 11
T 10	17 32	23 3	4 47	15 30	0 31	17 0	0 34	14 23	0 16	10 50	0 56	17 38	1 48	23 0	0 27	0 32	1 35	0 20	15 20	18 55	18 41	17 48	6 50	6 11
F 11	17 47	25 23	4 23	16 17	0 20	17 22	0 32	14 38	0 15	10 47	0 56	17 40	1 48	22 59	0 27	0 32	1 35	0 20	15 20	18 58	18 42	17 51	6 49	6 11
S 12	18 3	26 34	3 47	17 4	0 10	17 44	0 30	14 52	0 15	10 45	0 56	17 42	1 48	22 59	0 27	0 31	1 35	0 21	15 20	19 0	18 43	17 53	6 48	6 12
S 13	18 18	26 29	3 0	17 50	0n 1	18 5	0 28	15 6	0 14	10 42	0 56	17 44	1 48	22 59	0 27	0 31	1 35	0 21	15 20	19 2	18 44	17 55	6 48	6 12
M14	18 32	25 6	2 4	18 35	0 11	18 25	0 25	15 20	0 13	10 39	0 57	17 46	1 48	22 58	0 27	0 31	1 35	0 21	15 20	19 3	18 45	17 58	6 47	6 12
T 15	18 47	22 27	1 1	19 18	0 22	18 46	0 23	15 34	0 13	10 37	0 57	17 48	1 48	22 58	0 27	0 30	1 35	0 22	15 20	19 4	18 45	18 0	6 46	6 13
W16	19 1	18 40	0n 6	19 59	0 32	19 5	0 21	15 48	0 12	10 34	0 57	17 49	1 48	22 58	0 27	0 30	1 35	0 22	15 21	19 4	18 46	18 2	6 46	6 13
T 17	19 15	13 54	1 15	20 39	0 42	19 24	0 19	16 1	0 12	10 32	0 57	17 51	1 48	22 58	0 27	0 30	1 35	0 23	15 21	19 4	18 47	18 4	6 45	6 13
F 18	19 28	8 22	2 21	21 16	0 52	19 43	0 16	16 15	0 11	10 29	0 58	17 53	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 4	18 48	18 7	6 45	6 14
S 19	19 42	2 16	3 22	21 52	1 1	20 1	0 14	16 28	0 10	10 27	0 58	17 55	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 4	18 49	18 9	6 44	6 14
S 20	19 55	4n 6	4 11	22 24	1 10	20 19	0 12	16 41	0 10	10 25	0 58	17 57	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 5	18 49	18 11	6 43	6 15
M21	20 7	10 26	4 46	22 55	1 19	20 36	0 9	16 54	0 9	10 23	0 58	17 58	1 48	22 56	0 27	0 28	1 35	0 24	15 21	19 6	18 50	18 14	6 43	6 15
T 22	20 19	16 18	5 2	23 23	1 27	20 52	0 7	17 7	0 8	10 20	0 59	18 0	1 48	22 56	0 27	0 28	1 34	0 24	15 21	19 8	18 51	18 16	6 42	6 15
W23	20 31	21 14	4 58	23 48	1 34	21 8	0 4	17 19	0 8	10 18	0 59	18 2	1 47	22 55	0 27	0 28	1 34	0 24	15 21	19 10	18 52	18 18	6 42	6 16
T 24	20 43	24 45	4 32	24 11	1 41	21 23	0 2	17 32	0 7	10 16	0 59	18 4	1 47	22 55	0 27	0 28	1 34	0 25	15 21	19 13	18 52	18 21	6 41	6 16
F 25	20 54	26 30	3 48	24 30	1 47	21 38	0n 0	17 44	0 6	10 14	1 0	18 6	1 47	22 55	0 27	0 27	1 34	0 25	15 21	19 15	18 53	18 23	6 41	6 16
S 26	21 4	26 19	2 50	24 47	1 52	21 52	0 3	17 56	0 6	10 12	1 0	18 7	1 47	22 54	0 27	0 27	1 34	0 25	15 21	19 16	18 54	18 25	6 40	6 17
S 27	21 15	24 22	1 42	25 2	1 56	22 6	0 5	18 8	0 5	10 10	1 0	18 9	1 47	22 54	0 27	0 27	1 34	0 25	15 21	19 17	18 55	18 27	6 40	6 17
M28	21 25	20 59	0 30	25 14	2 0	22 18	0 7	18 20	0 4	10 9	1 0	18 11	1 47	22 54	0 27	0 27	1 34	0 26	15 21	19 17	18 56	18 30	6 40	6 17
T 29	21 35	16 36	0s42	25 23	2 3	22 31	0 10	18 31	0 4	10 7	1 1	18 12	1 47	22 53	0 26	0 27	1 34	0 26	15 22	19 17	18 56	18 32	6 39	6 18
W30	21 44	11 34	1 49	25 30	2 5	22 42	0 12	18 43	0 3	10 5	1 1	18 14	1 47	22 53	0 26	0 26	1 34	0 26	15 22	19 17	18 57	18 34	6 39	6 18
T 31	21n53	6n12	2s49	25n35	2n 7	22n53	0n15	18n54	0s 3	10s 4	1s 1	18n16	1s47	22n53	0n26	0s26	1n34	0n26	15s22	19s17	18s58	18s36	6s38	6n18

Julian Day Number = 2312142.5, Delta T = 68.12 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'48, Lahiri = 18°31'49Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

JUNE 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 37 16	10♊11'03	19♍41	28♊57	16♊13	25♉14	6♓40	29♉16	16♋48	4°R42	10♉44	4°R 3	5♒19	6♏44	26°R54	F 1
S 2	16 41 13	11° 8'25	1♎45	0♋39	17°27	25°56	6°45	29°24	16°51	4♎42	10°45	4♒ 1	5°16	6°51	26♒54	S 2
S 3	16 45 9	12° 5'46	13°41	2°18	18°41	26°39	6°50	29°32	16°55	4°41	10°46	3°56	5°13	6°58	26°53	S 3
M 4	16 49 6	13° 3'07	25°34	3°55	19°55	27°22	6°54	29°39	16°58	4°41	10°48	3°50	5°10	7° 4	26°53	M 4
T 5	16 53 3	14° 0'26	7♏26	5°29	21° 8	28° 4	6°58	29°47	17° 1	4°41	10°49	3°42	5° 7	7°11	26°53	T 5
W 6	16 56 59	14°57'44	19°20	7° 0	22°22	28°47	7° 2	29°55	17° 4	4°40	10°50	3°33	5° 4	7°18	26°53	W 6
T 7	17 0 56	15°55'02	1♐19	8°28	23°36	29°29	7° 6	0♊ 2	17° 7	4°40	10°51	3°24	5° 0	7°25	26°52	T 7
F 8	17 4 52	16°52'18	13°25	9°54	24°49	0♊11	7°10	0°10	17°11	4°40	10°52	3°16	4°57	7°31	26°52	F 8
S 9	17 8 49	17°49'35	25°38	11°17	26° 3	0°54	7°13	0°17	17°14	4°40	10°53	3° 9	4°54	7°38	26°51	S 9
S 10	17 12 45	18°46'50	7♑59	12°37	27°16	1°36	7°17	0°25	17°17	4°39	10°54	3° 5	4°51	7°45	26°51	S 10
M11	17 16 42	19°44'05	20°31	13°54	28°30	2°18	7°20	0°32	17°21	4°39	10°56	3° 2	4°48	7°51	26°50	M11
T 12	17 20 39	20°41'20	3♒14	15° 8	29°44	3° 0	7°23	0°40	17°24	4°39	10°57	3°D 1	4°45	7°58	26°49	T 12
W13	17 24 35	21°38'34	16°10	16°19	0♋57	3°42	7°26	0°47	17°27	4°39	10°58	3° 2	4°41	8° 5	26°49	W13
T 14	17 28 32	22°35'48	29°22	17°27	2°11	4°25	7°28	0°55	17°31	4°39	10°59	3° 3	4°38	8°12	26°48	T 14
F 15	17 32 28	23°33'02	12♓50	18°32	3°25	5° 7	7°31	1° 2	17°34	4°39	11° 0	3° 4	4°35	8°18	26°47	F 15
S 16	17 36 25	24°30'15	26°36	19°34	4°38	5°48	7°33	1°10	17°38	4°D39	11° 1	3°R 5	4°32	8°25	26°46	S 16
S 17	17 40 21	25°27'29	10♈42	20°32	5°52	6°30	7°35	1°17	17°41	4°39	11° 2	3° 4	4°29	8°32	26°45	S 17
M18	17 44 18	26°24'42	25° 5	21°27	7° 5	7°12	7°37	1°25	17°44	4°39	11° 3	3° 1	4°25	8°39	26°44	M18
T 19	17 48 14	27°21'55	9♉44	22°19	8°19	7°54	7°38	1°32	17°48	4°39	11° 4	2°57	4°22	8°45	26°43	T 19
W20	17 52 11	28°19'09	24°31	23° 7	9°33	8°36	7°40	1°39	17°51	4°39	11° 5	2°53	4°19	8°52	26°42	W20
T 21	17 56 8	29°16'22	9♊21	23°51	10°46	9°17	7°41	1°46	17°55	4°39	11° 6	2°48	4°16	8°59	26°41	T 21
F 22	18 0 4	0♋13'35	24° 5	24°32	12° 0	9°59	7°42	1°54	17°58	4°39	11° 7	2°44	4°13	9° 5	26°40	F 22
S 23	18 4 1	1°10'49	8♋36	25° 9	13°14	10°41	7°43	2° 1	18° 2	4°40	11° 8	2°40	4°10	9°12	26°38	S 23
S 24	18 7 57	2° 8'01	22°48	25°41	14°27	11°22	7°44	2° 8	18° 5	4°40	11° 9	2°39	4° 6	9°19	26°37	S 24
M25	18 11 54	3° 5'14	6♌36	26°10	15°41	12° 4	7°44	2°15	18° 9	4°40	11°10	2°D38	4° 3	9°26	26°35	M25
T 26	18 15 50	4° 2'26	19°59	26°34	16°54	12°45	7°45	2°22	18°13	4°40	11°11	2°39	4° 0	9°32	26°34	T 26
W27	18 19 47	4°59'38	2♍59	26°53	18° 8	13°26	7°R45	2°29	18°16	4°41	11°11	2°41	3°57	9°39	26°32	W27
T 28	18 23 43	5°56'50	15°37	27° 9	19°22	14° 8	7°45	2°36	18°20	4°41	11°12	2°42	3°54	9°46	26°31	T 28
F 29	18 27 40	6°54'01	27°57	27°19	20°35	14°49	7°44	2°43	18°23	4°42	11°13	2°43	3°51	9°53	26°29	F 29
S 30	18 31 37	7♋51'12	10♎ 4	27♋25	21♋49	15♊30	7♓44	2♊50	18♋27	4♎42	11♉14	2°R44	3♒47	9♏59	26♒28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 1	0n44	3s40	25n37	2n 8	23n 3	0n17	19n 5	0s 2	10s 2	1s 1	18n18	1s47	22n52	0n26	0s26	1n34	0n27	15s22	19s17	18s59	18s39	6s38	6n19
S 2	22 10	4s40	4 19	25 37	2 8	23 13	0 19	19 16	0 1	10 0	1 2	18 19	1 47	22 52	0 26	0 26	1 34	0 27	15 22	19 18	18 59	18 41	6 38	6 19
S 3	22 17	9 49	4 48	25 35	2 7	23 22	0 22	19 26	0 1	9 59	1 2	18 21	1 47	22 51	0 26	0 26	1 34	0 27	15 22	19 19	19 0	18 43	6 38	6 19
M 4	22 25	14 36	5 3	25 31	2 5	23 30	0 24	19 37	0n 0	9 58	1 2	18 23	1 47	22 51	0 26	0 26	1 34	0 27	15 22	19 20	19 1	18 45	6 37	6 20
T 5	22 32	18 50	5 6	25 25	2 3	23 38	0 26	19 47	0 1	9 56	1 3	18 24	1 47	22 51	0 26	0 26	1 34	0 28	15 23	19 22	19 2	18 48	6 37	6 20
W 6	22 38	22 19	4 55	25 18	2 0	23 45	0 29	19 57	0 1	9 55	1 3	18 26	1 47	22 50	0 26	0 26	1 34	0 28	15 23	19 24	19 3	18 50	6 37	6 20
T 7	22 45	24 53	4 31	25 9	1 56	23 51	0 31	20 7	0 2	9 54	1 3	18 27	1 47	22 50	0 26	0 25	1 34	0 28	15 23	19 26	19 3	18 52	6 37	6 21
F 8	22 50	26 21	3 55	24 58	1 52	23 56	0 33	20 17	0 3	9 53	1 3	18 29	1 47	22 49	0 26	0 25	1 34	0 28	15 23	19 28	19 4	18 54	6 37	6 21
S 9	22 56	26 33	3 8	24 47	1 46	24 1	0 35	20 26	0 3	9 52	1 4	18 31	1 47	22 49	0 26	0 25	1 34	0 28	15 23	19 30	19 5	18 56	6 36	6 21
S 10	23 1	25 26	2 11	24 33	1 40	24 5	0 38	20 35	0 4	9 51	1 4	18 32	1 47	22 48	0 26	0 25	1 34	0 28	15 23	19 31	19 6	18 59	6 36	6 22
M11	23 6	23 2	1 7	24 19	1 34	24 9	0 40	20 45	0 5	9 50	1 4	18 34	1 47	22 48	0 26	0 25	1 34	0 29	15 23	19 31	19 6	19 1	6 36	6 22
T 12	23 10	19 27	0n 1	24 4	1 27	24 11	0 42	20 53	0 5	9 49	1 5	18 35	1 47	22 48	0 26	0 25	1 34	0 29	15 24	19 31	19 7	19 3	6 36	6 22
W13	23 14	14 54	1 11	23 47	1 19	24 13	0 44	21 2	0 6	9 48	1 5	18 37	1 47	22 47	0 26	0 25	1 34	0 29	15 24	19 31	19 8	19 5	6 36	6 23
T 14	23 17	9 34	2 18	23 30	1 10	24 15	0 46	21 11	0 7	9 48	1 5	18 38	1 47	22 47	0 26	0 25	1 33	0 29	15 24	19 31	19 9	19 7	6 36	6 23
F 15	23 20	3 41	3 19	23 13	1 1	24 15	0 48	21 19	0 7	9 47	1 5	18 40	1 47	22 46	0 26	0 25	1 33	0 29	15 24	19 31	19 9	19 9	6 36	6 23
S 16	23 23	2n28	4 10	22 54	0 51	24 15	0 50	21 27	0 8	9 46	1 6	18 41	1 47	22 46	0 26	0 25	1 33	0 29	15 24	19 31	19 10	19 12	6 36	6 24
S 17	23 25	8 39	4 48	22 35	0 41	24 14	0 52	21 35	0 9	9 46	1 6	18 43	1 47	22 45	0 26	0 25	1 33	0 29	15 25	19 31	19 11	19 14	6 36	6 24
M18	23 26	14 30	5 8	22 16	0 30	24 12	0 54	21 43	0 9	9 46	1 6	18 44	1 47	22 45	0 26	0 25	1 33	0 30	15 25	19 31	19 12	19 16	6 36	6 24
T 19	23 28	19 38	5 9	21 56	0 18	24 10	0 56	21 50	0 10	9 45	1 7	18 46	1 47	22 44	0 26	0 26	1 33	0 30	15 25	19 32	19 12	19 18	6 36	6 25
W20	23 29	23 36	4 49	21 36	0 6	24 7	0 58	21 57	0 11	9 45	1 7	18 47	1 47	22 44	0 26	0 26	1 33	0 30	15 25	19 33	19 13	19 20	6 36	6 25
T 21	23 29	26 1	4 10	21 16	0s 7	24 3	1 0	22 4	0 11	9 45	1 7	18 49	1 47	22 43	0 26	0 26	1 33	0 30	15 25	19 35	19 14	19 22	6 36	6 25
F 22	23 29	26 36	3 15	20 56	0 20	23 59	1 2	22 11	0 12	9 45	1 8	18 50	1 47	22 43	0 26	0 26	1 33	0 30	15 26	19 36	19 15	19 24	6 36	6 26
S 23	23 29	25 20	2 8	20 36	0 34	23 53	1 4	22 18	0 12	9 45	1 8	18 51	1 47	22 43	0 26	0 26	1 33	0 30	15 26	19 36	19 15	19 27	6 37	6 26
S 24	23 28	22 26	0 54	20 16	0 48	23 47	1 6	22 25	0 13	9 45	1 8	18 53	1 47	22 42	0 26	0 26	1 33	0 30	15 26	19 37	19 16	19 29	6 37	6 26
M25	23 27	18 19	0s22	19 57	1 2	23 41	1 7	22 31	0 14	9 45	1 8	18 54	1 47	22 42	0 26	0 26	1 33	0 30	15 26	19 37	19 17	19 31	6 37	6 26
T 26	23 26	13 22	1 34	19 38	1 17	23 33	1 9	22 37	0 14	9 45	1 9	18 55	1 47	22 41	0 26	0 26	1 33	0 30	15 27	19 37	19 18	19 33	6 37	6 27
W27	23 24	7 58	2 39	19 19	1 32	23 25	1 11	22 43	0 15	9 45	1 9	18 57	1 47	22 41	0 26	0 27	1 33	0 30	15 27	19 36	19 18	19 35	6 37	6 27
T 28	23 21	2 24	3 34	19 2	1 47	23 17	1 12	22 48	0 16	9 45	1 9	18 58	1 47	22 40	0 26	0 27	1 33	0 30	15 27	19 36	19 19	19 37	6 38	6 27
F 29	23 19	3s 8	4 18	18 44	2 2	23 7	1 14	22 54	0 16	9 46	1 10	18 59	1 47	22 40	0 26	0 27	1 33	0 30	15 27	19 36	19 20	19 39	6 38	6 28
S 30	23n15	8s26	4s50	18n28	2s18	22n57	1n15	22n59	0n17	9s46	1s10	19n 1	1s48	22n39	0n26	0s27	1n33	0n30	15s27	19s36	19s21	19s41	6s38	6n28

Julian Day Number = 2312173.5, Delta T = 68.04 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'52, Lahiri = 18°31'53Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

JULY 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 35 33	8♋48'23	22♎ 1	27°R27	23♋ 2	16♊11	7°R43	2♊57	18♋31	4♎43	11♉15	2°R43	3♒44	10♏ 6	26°R26	S 1
M 2	18 39 30	9°45'33	3♏55	27♋23	24°16	16°52	7♓42	3° 4	18°34	4°43	11°16	2♒41	3°41	10°13	26♒24	M 2
T 3	18 43 26	10°42'44	15°48	27°15	25°29	17°33	7°41	3°10	18°38	4°44	11°16	2°39	3°38	10°19	26°22	T 3
W 4	18 47 23	11°39'54	27°45	27° 3	26°43	18°14	7°40	3°17	18°42	4°44	11°17	2°35	3°35	10°26	26°20	W 4
T 5	18 51 19	12°37'05	9♐49	26°45	27°56	18°55	7°38	3°24	18°45	4°45	11°18	2°32	3°31	10°33	26°18	T 5
F 6	18 55 16	13°34'16	22° 2	26°24	29°10	19°36	7°37	3°30	18°49	4°45	11°19	2°29	3°28	10°40	26°17	F 6
S 7	18 59 12	14°31'27	4♑27	25°58	0♌23	20°17	7°35	3°37	18°52	4°46	11°19	2°27	3°25	10°46	26°15	S 7
S 8	19 3 9	15°28'38	17° 4	25°29	1°37	20°58	7°33	3°44	18°56	4°47	11°20	2°26	3°22	10°53	26°12	S 8
M 9	19 7 6	16°25'49	29°55	24°57	2°50	21°38	7°31	3°50	19° 0	4°47	11°21	2°D25	3°19	11° 0	26°10	M 9
T 10	19 11 2	17°23'01	12♒58	24°21	4° 4	22°19	7°28	3°56	19° 3	4°48	11°21	2°25	3°16	11° 6	26° 8	T 10
W11	19 14 59	18°20'13	26°15	23°44	5°17	23° 0	7°26	4° 3	19° 7	4°49	11°22	2°26	3°12	11°13	26° 6	W11
T 12	19 18 55	19°17'26	9♓45	23° 4	6°31	23°40	7°23	4° 9	19°11	4°50	11°23	2°27	3° 9	11°20	26° 4	T 12
F 13	19 22 52	20°14'39	23°28	22°24	7°44	24°21	7°20	4°15	19°14	4°51	11°23	2°28	3° 6	11°27	26° 2	F 13
S 14	19 26 48	21°11'53	7♈23	21°43	8°58	25° 1	7°17	4°22	19°18	4°52	11°24	2°29	3° 3	11°33	25°59	S 14
S 15	19 30 45	22° 9'08	21°28	21° 2	10°11	25°42	7°14	4°28	19°22	4°52	11°24	2°R29	3° 0	11°40	25°57	S 15
M16	19 34 41	23° 6'24	5♉43	20°23	11°25	26°22	7°10	4°34	19°25	4°53	11°25	2°29	2°56	11°47	25°54	M16
T 17	19 38 38	24° 3'41	20° 4	19°45	12°38	27° 2	7° 6	4°40	19°29	4°54	11°25	2°28	2°53	11°54	25°52	T 17
W18	19 42 35	25° 0'59	4♊28	19°10	13°52	27°43	7° 2	4°46	19°33	4°55	11°26	2°28	2°50	12° 0	25°50	W18
T 19	19 46 31	25°58'17	18°51	18°37	15° 5	28°23	6°58	4°52	19°36	4°56	11°26	2°27	2°47	12° 7	25°47	T 19
F 20	19 50 28	26°55'37	3♋ 9	18° 9	16°19	29° 3	6°54	4°58	19°40	4°57	11°27	2°26	2°44	12°14	25°45	F 20
S 21	19 54 24	27°52'57	17°16	17°45	17°32	29°43	6°50	5° 3	19°44	4°59	11°27	2°26	2°41	12°20	25°42	S 21
S 22	19 58 21	28°50'18	1♌ 9	17°25	18°45	0♋23	6°45	5° 9	19°47	5° 0	11°28	2°D26	2°37	12°27	25°39	S 22
M23	20 2 17	29°47'40	14°45	17°11	19°59	1° 3	6°40	5°15	19°51	5° 1	11°28	2°26	2°34	12°34	25°37	M23
T 24	20 6 14	0♌45'02	28° 1	17° 2	21°12	1°43	6°36	5°20	19°55	5° 2	11°29	2°26	2°31	12°41	25°34	T 24
W25	20 10 10	1°42'26	10♍57	16°D59	22°26	2°23	6°31	5°26	19°58	5° 3	11°29	2°26	2°28	12°47	25°31	W25
T 26	20 14 7	2°39'49	23°34	17° 2	23°39	3° 3	6°25	5°31	20° 2	5° 4	11°29	2°R26	2°25	12°54	25°29	T 26
F 27	20 18 4	3°37'14	5♎55	17°12	24°52	3°43	6°20	5°36	20° 5	5° 6	11°30	2°26	2°22	13° 1	25°26	F 27
S 28	20 22 0	4°34'39	18° 3	17°28	26° 6	4°22	6°14	5°42	20° 9	5° 7	11°30	2°26	2°18	13° 8	25°23	S 28
S 29	20 25 57	5°32'04	0♏ 2	17°50	27°19	5° 2	6° 9	5°47	20°12	5° 8	11°30	2°D26	2°15	13°14	25°20	S 29
M30	20 29 53	6°29'31	11°56	18°19	28°32	5°42	6° 3	5°52	20°16	5°10	11°31	2°26	2°12	13°21	25°17	M30
T 31	20 33 50	7♌26'58	23♏50	18♋54	29♌46	6♋21	5♓57	5♊57	20♋20	5♎11	11♉31	2♒26	2♒ 9	13♏28	25♒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	23n12	13s22	5s 9	18n13	2s33	22n46	1n16	23n 4	0n18	9s47	1s10	19n 2	1s48	22n39	0n26	0s27	1n33	0n30	15s28	19s36	19s21	19s43	6s39	6n28
M 2	23 8	17 46	5 14	17 59	2 48	22 35	1 18	23 9	0 18	9 47	1 11	19 3	1 48	22 38	0 26	0 28	1 33	0 30	15 28	19 36	19 22	19 45	6 39	6 28
T 3	23 3	21 29	5 6	17 45	3 3	22 23	1 19	23 13	0 19	9 48	1 11	19 4	1 48	22 38	0 26	0 28	1 33	0 30	15 28	19 37	19 23	19 47	6 39	6 29
W 4	22 59	24 19	4 44	17 34	3 18	22 10	1 20	23 18	0 20	9 49	1 11	19 6	1 48	22 37	0 26	0 28	1 33	0 30	15 28	19 37	19 24	19 50	6 40	6 29
T 5	22 53	26 6	4 10	17 23	3 32	21 57	1 22	23 22	0 20	9 50	1 11	19 7	1 48	22 37	0 26	0 28	1 33	0 30	15 29	19 38	19 24	19 52	6 40	6 29
F 6	22 48	26 39	3 24	17 14	3 45	21 43	1 23	23 26	0 21	9 50	1 12	19 8	1 48	22 36	0 26	0 29	1 32	0 30	15 29	19 39	19 25	19 54	6 40	6 29
S 7	22 42	25 53	2 28	17 6	3 58	21 28	1 24	23 30	0 22	9 51	1 12	19 9	1 48	22 36	0 26	0 29	1 32	0 30	15 29	19 39	19 26	19 56	6 41	6 30
S 8	22 35	23 47	1 24	17 0	4 10	21 13	1 25	23 33	0 22	9 52	1 12	19 10	1 48	22 35	0 26	0 29	1 32	0 30	15 29	19 40	19 27	19 58	6 41	6 30
M 9	22 29	20 26	0 14	16 55	4 20	20 57	1 26	23 36	0 23	9 54	1 13	19 12	1 48	22 35	0 26	0 30	1 32	0 30	15 30	19 40	19 27	20 0	6 42	6 30
T 10	22 21	16 2	0n58	16 52	4 30	20 41	1 27	23 40	0 24	9 55	1 13	19 13	1 48	22 34	0 26	0 30	1 32	0 30	15 30	19 40	19 28	20 2	6 42	6 30
W11	22 14	10 47	2 8	16 50	4 38	20 24	1 27	23 42	0 24	9 56	1 13	19 14	1 48	22 34	0 26	0 30	1 32	0 30	15 30	19 40	19 29	20 4	6 43	6 30
T 12	22 6	4 58	3 12	16 50	4 45	20 6	1 28	23 45	0 25	9 57	1 13	19 15	1 48	22 33	0 27	0 31	1 32	0 30	15 31	19 39	19 30	20 6	6 43	6 31
F 13	21 58	1n10	4 6	16 52	4 50	19 48	1 29	23 48	0 26	9 59	1 14	19 16	1 48	22 33	0 27	0 31	1 32	0 30	15 31	19 39	19 30	20 8	6 44	6 31
S 14	21 49	7 19	4 47	16 55	4 53	19 30	1 29	23 50	0 26	10 0	1 14	19 17	1 48	22 32	0 27	0 32	1 32	0 30	15 31	19 39	19 31	20 10	6 45	6 31
S 15	21 40	13 11	5 11	16 59	4 55	19 10	1 30	23 52	0 27	10 2	1 14	19 18	1 48	22 32	0 27	0 32	1 32	0 29	15 31	19 39	19 32	20 12	6 45	6 31
M16	21 30	18 25	5 16	17 5	4 55	18 51	1 31	23 54	0 27	10 3	1 15	19 19	1 49	22 31	0 27	0 32	1 32	0 29	15 32	19 39	19 33	20 14	6 46	6 31
T 17	21 21	22 38	5 2	17 12	4 53	18 30	1 31	23 56	0 28	10 5	1 15	19 20	1 49	22 31	0 27	0 33	1 32	0 29	15 32	19 39	19 33	20 16	6 46	6 32
W18	21 10	25 29	4 28	17 20	4 50	18 10	1 31	23 57	0 29	10 6	1 15	19 21	1 49	22 30	0 27	0 33	1 32	0 29	15 32	19 39	19 34	20 18	6 47	6 32
T 19	21 0	26 39	3 38	17 29	4 45	17 48	1 32	23 58	0 29	10 8	1 15	19 22	1 49	22 30	0 27	0 34	1 32	0 29	15 32	19 39	19 35	20 20	6 48	6 32
F 20	20 49	26 2	2 35	17 40	4 38	17 26	1 32	23 59	0 30	10 10	1 16	19 23	1 49	22 29	0 27	0 34	1 32	0 29	15 33	19 39	19 35	20 22	6 48	6 32
S 21	20 38	23 45	1 23	17 51	4 30	17 4	1 32	24 0	0 31	10 12	1 16	19 24	1 49	22 28	0 27	0 35	1 32	0 29	15 33	19 40	19 36	20 24	6 49	6 32
S 22	20 26	20 4	0 7	18 3	4 21	16 42	1 32	24 1	0 31	10 14	1 16	19 25	1 49	22 28	0 27	0 35	1 32	0 29	15 33	19 40	19 37	20 26	6 50	6 32
M23	20 14	15 22	1s 8	18 15	4 10	16 18	1 32	24 1	0 32	10 16	1 17	19 26	1 49	22 27	0 27	0 36	1 32	0 28	15 34	19 40	19 38	20 28	6 51	6 33
T 24	20 2	10 3	2 17	18 28	3 58	15 55	1 32	24 1	0 33	10 18	1 17	19 27	1 49	22 27	0 27	0 36	1 32	0 28	15 34	19 40	19 38	20 30	6 51	6 33
W25	19 49	4 26	3 18	18 41	3 45	15 31	1 32	24 1	0 33	10 20	1 17	19 28	1 49	22 26	0 27	0 37	1 32	0 28	15 34	19 40	19 39	20 32	6 52	6 33
T 26	19 36	1s13	4 7	18 54	3 32	15 6	1 32	24 1	0 34	10 22	1 17	19 28	1 49	22 26	0 27	0 37	1 32	0 28	15 34	19 40	19 40	20 34	6 53	6 33
F 27	19 23	6 42	4 44	19 7	3 17	14 42	1 31	24 1	0 35	10 24	1 18	19 29	1 50	22 25	0 27	0 38	1 32	0 28	15 35	19 40	19 41	20 35	6 54	6 33
S 28	19 10	11 49	5 7	19 20	3 3	14 16	1 31	24 0	0 35	10 27	1 18	19 30	1 50	22 25	0 27	0 38	1 32	0 28	15 35	19 40	19 41	20 37	6 55	6 33
S 29	18 56	16 26	5 16	19 32	2 47	13 51	1 31	23 59	0 36	10 29	1 18	19 31	1 50	22 24	0 27	0 39	1 32	0 27	15 35	19 40	19 42	20 39	6 55	6 33
M30	18 41	20 24	5 12	19 44	2 31	13 25	1 30	23 58	0 36	10 31	1 18	19 32	1 50	22 24	0 27	0 39	1 31	0 27	15 36	19 40	19 43	20 41	6 56	6 33
T 31	18n27	23s32	4s55	19n55	2s16	12n59	1n30	23n57	0n37	10s34	1s18	19n32	1s50	22n23	0n27	0s40	1n31	0n27	15s36	19s40	19s43	20s43	6s57	6n33

Julian Day Number = 2312203.5, Delta T = 67.96 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'56, Lahiri = 18°31'57Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

AUGUST 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 37 46	8♌24'26	5♐48	19♋35	0♍59	7♋ 1	5°R51	6♊ 2	20♋23	5♎12	11♉31	2♒26	2♒ 6	13♏34	25°R12	W 1
T 2	20 41 43	9°21'55	17°55	20°23	2°12	7°40	5♓45	6° 7	20°27	5°14	11°31	2°27	2° 2	13°41	25♒ 9	T 2
F 3	20 45 39	10°19'25	0♑14	21°18	3°26	8°20	5°38	6°12	20°30	5°15	11°31	2°28	1°59	13°48	25° 6	F 3
S 4	20 49 36	11°16'55	12°48	22°18	4°39	8°59	5°32	6°17	20°34	5°17	11°32	2°28	1°56	13°55	25° 3	S 4
S 5	20 53 33	12°14'27	25°39	23°24	5°52	9°38	5°25	6°21	20°37	5°18	11°32	2°29	1°53	14° 1	25° 0	S 5
M 6	20 57 29	13°12'00	8♒49	24°36	7° 5	10°18	5°19	6°26	20°41	5°20	11°32	2°R29	1°50	14° 8	24°57	M 6
T 7	21 1 26	14° 9'33	22°16	25°54	8°18	10°57	5°12	6°30	20°44	5°21	11°32	2°28	1°47	14°15	24°54	T 7
W 8	21 5 22	15° 7'08	5♓59	27°17	9°32	11°36	5° 5	6°35	20°47	5°23	11°32	2°27	1°43	14°21	24°51	W 8
T 9	21 9 19	16° 4'45	19°55	28°45	10°45	12°15	4°58	6°39	20°51	5°24	11°32	2°26	1°40	14°28	24°48	T 9
F 10	21 13 15	17° 2'23	4♈ 2	0♌18	11°58	12°54	4°51	6°43	20°54	5°26	11°32	2°24	1°37	14°35	24°45	F 10
S 11	21 17 12	18° 0'02	18°15	1°55	13°11	13°33	4°44	6°47	20°58	5°27	11°R32	2°22	1°34	14°42	24°42	S 11
S 12	21 21 8	18°57'43	2♉30	3°37	14°24	14°12	4°36	6°52	21° 1	5°29	11°32	2°21	1°31	14°48	24°39	S 12
M13	21 25 5	19°55'25	16°46	5°21	15°37	14°51	4°29	6°56	21° 4	5°31	11°32	2°D20	1°28	14°55	24°36	M13
T 14	21 29 2	20°53'10	0♊58	7° 9	16°50	15°30	4°22	6°59	21° 8	5°32	11°32	2°21	1°24	15° 2	24°33	T 14
W15	21 32 58	21°50'56	15° 5	9° 0	18° 4	16° 9	4°14	7° 3	21°11	5°34	11°32	2°21	1°21	15° 8	24°30	W15
T 16	21 36 55	22°48'44	29° 5	10°53	19°17	16°47	4° 6	7° 7	21°14	5°36	11°32	2°23	1°18	15°15	24°27	T 16
F 17	21 40 51	23°46'33	12♋55	12°48	20°30	17°26	3°59	7°11	21°17	5°38	11°32	2°24	1°15	15°22	24°24	F 17
S 18	21 44 48	24°44'24	26°36	14°45	21°43	18° 5	3°51	7°14	21°21	5°39	11°32	2°R25	1°12	15°29	24°21	S 18
S 19	21 48 44	25°42'17	10♌ 4	16°43	22°56	18°43	3°43	7°18	21°24	5°41	11°32	2°25	1° 8	15°35	24°18	S 19
M20	21 52 41	26°40'11	23°19	18°41	24° 9	19°22	3°36	7°21	21°27	5°43	11°31	2°24	1° 5	15°42	24°15	M20
T 21	21 56 38	27°38'07	6♍20	20°40	25°22	20° 0	3°28	7°24	21°30	5°45	11°31	2°21	1° 2	15°49	24°12	T 21
W22	22 0 34	28°36'04	19° 5	22°39	26°35	20°39	3°20	7°27	21°33	5°47	11°31	2°17	0°59	15°56	24° 9	W22
T 23	22 4 31	29°34'03	1♎37	24°39	27°48	21°17	3°12	7°30	21°36	5°49	11°31	2°13	0°56	16° 2	24° 6	T 23
F 24	22 8 27	0♍32'03	13°54	26°37	29° 1	21°56	3° 4	7°33	21°39	5°50	11°31	2° 8	0°53	16° 9	24° 3	F 24
S 25	22 12 24	1°30'05	26° 0	28°36	0♎14	22°34	2°56	7°36	21°42	5°52	11°30	2° 4	0°49	16°16	24° 0	S 25
S 26	22 16 20	2°28'08	7♏58	0♍33	1°26	23°12	2°48	7°39	21°45	5°54	11°30	2° 0	0°46	16°22	23°57	S 26
M27	22 20 17	3°26'13	19°51	2°30	2°39	23°50	2°40	7°42	21°48	5°56	11°30	1°58	0°43	16°29	23°54	M27
T 28	22 24 13	4°24'19	1♐44	4°26	3°52	24°28	2°32	7°44	21°51	5°58	11°29	1°D57	0°40	16°36	23°51	T 28
W29	22 28 10	5°22'26	13°40	6°22	5° 5	25° 6	2°24	7°47	21°54	6° 0	11°29	1°57	0°37	16°43	23°48	W29
T 30	22 32 6	6°20'35	25°46	8°16	6°18	25°44	2°16	7°49	21°57	6° 2	11°29	1°59	0°34	16°49	23°45	T 30
F 31	22 36 3	7♍18'46	8♑ 6	10♍ 9	7♎30	26♋22	2♓ 9	7♊51	22♋ 0	6♎ 4	11♉28	2♒ 0	0♒30	16♏56	23♒42	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	18n12	25s40	4s25	20n 5	1s59	12n32	1n29	23n56	0n38	10s36	1s19	19n33	1s50	22n23	0n27	0s40	1n31	0n27	15s36	19s39	19s44	20s45	6s58	6n34
T 2	17 57	26 38	3 42	20 14	1 43	12 5	1 28	23 54	0 38	10 39	1 19	19 34	1 50	22 22	0 27	0 41	1 31	0 26	15 37	19 39	19 45	20 47	6 59	6 34
F 3	17 41	26 19	2 49	20 22	1 27	11 38	1 28	23 53	0 39	10 41	1 19	19 35	1 50	22 22	0 27	0 42	1 31	0 26	15 37	19 39	19 46	20 49	7 0	6 34
S 4	17 26	24 39	1 47	20 28	1 12	11 10	1 27	23 51	0 40	10 44	1 19	19 35	1 50	22 21	0 27	0 42	1 31	0 26	15 37	19 39	19 46	20 51	7 1	6 34
S 5	17 10	21 40	0 38	20 32	0 56	10 42	1 26	23 49	0 40	10 47	1 20	19 36	1 50	22 21	0 27	0 43	1 31	0 26	15 37	19 39	19 47	20 53	7 1	6 34
M 6	16 54	17 32	0n35	20 35	0 41	10 14	1 25	23 46	0 41	10 49	1 20	19 37	1 51	22 20	0 27	0 43	1 31	0 26	15 38	19 39	19 48	20 54	7 2	6 34
T 7	16 37	12 26	1 47	20 35	0 26	9 46	1 24	23 44	0 42	10 52	1 20	19 37	1 51	22 20	0 27	0 44	1 31	0 25	15 38	19 39	19 48	20 56	7 3	6 34
W 8	16 20	6 38	2 55	20 33	0 12	9 17	1 23	23 41	0 42	10 55	1 20	19 38	1 51	22 19	0 27	0 45	1 31	0 25	15 38	19 39	19 49	20 58	7 4	6 34
T 9	16 3	0 26	3 53	20 29	0n 2	8 48	1 21	23 38	0 43	10 57	1 20	19 39	1 51	22 19	0 27	0 45	1 31	0 25	15 39	19 40	19 50	21 0	7 5	6 34
F 10	15 46	5n51	4 38	20 22	0 14	8 19	1 20	23 35	0 43	11 0	1 21	19 39	1 51	22 18	0 27	0 46	1 31	0 24	15 39	19 40	19 51	21 2	7 6	6 34
S 11	15 28	11 53	5 6	20 12	0 27	7 50	1 19	23 32	0 44	11 3	1 21	19 40	1 51	22 18	0 27	0 47	1 31	0 24	15 39	19 40	19 51	21 4	7 7	6 34
S 12	15 10	17 18	5 15	20 0	0 38	7 21	1 17	23 28	0 45	11 6	1 21	19 40	1 51	22 17	0 27	0 47	1 31	0 24	15 40	19 41	19 52	21 6	7 8	6 34
M13	14 52	21 45	5 5	19 45	0 49	6 51	1 16	23 25	0 45	11 9	1 21	19 41	1 51	22 17	0 27	0 48	1 31	0 24	15 40	19 41	19 53	21 7	7 9	6 34
T 14	14 34	24 55	4 37	19 28	0 58	6 21	1 14	23 21	0 46	11 12	1 21	19 41	1 52	22 16	0 27	0 49	1 31	0 23	15 40	19 41	19 53	21 9	7 10	6 34
W15	14 15	26 30	3 52	19 7	1 7	5 51	1 13	23 17	0 47	11 14	1 21	19 42	1 52	22 16	0 27	0 50	1 31	0 23	15 40	19 41	19 54	21 11	7 11	6 34
T 16	13 56	26 23	2 53	18 44	1 15	5 21	1 11	23 13	0 47	11 17	1 21	19 42	1 52	22 15	0 27	0 50	1 31	0 23	15 41	19 40	19 55	21 13	7 12	6 34
F 17	13 37	24 36	1 45	18 19	1 22	4 50	1 9	23 9	0 48	11 20	1 22	19 43	1 52	22 15	0 27	0 51	1 31	0 22	15 41	19 40	19 55	21 15	7 13	6 34
S 18	13 18	21 24	0 32	17 51	1 28	4 20	1 8	23 4	0 49	11 23	1 22	19 43	1 52	22 14	0 27	0 52	1 31	0 22	15 41	19 40	19 56	21 16	7 14	6 34
S 19	12 59	17 5	0s42	17 20	1 33	3 49	1 6	22 59	0 49	11 26	1 22	19 44	1 52	22 14	0 27	0 52	1 31	0 22	15 42	19 40	19 57	21 18	7 15	6 34
M20	12 39	12 0	1 52	16 48	1 37	3 18	1 4	22 55	0 50	11 29	1 22	19 44	1 52	22 13	0 27	0 53	1 31	0 21	15 42	19 40	19 58	21 20	7 16	6 34
T 21	12 19	6 29	2 55	16 14	1 41	2 48	1 2	22 50	0 50	11 32	1 22	19 45	1 52	22 13	0 27	0 54	1 31	0 21	15 42	19 41	19 58	21 22	7 17	6 33
W22	11 59	0 49	3 48	15 37	1 43	2 17	1 0	22 45	0 51	11 35	1 22	19 45	1 53	22 12	0 27	0 55	1 31	0 21	15 42	19 41	19 59	21 24	7 19	6 33
T 23	11 39	4s45	4 29	14 59	1 45	1 46	0 58	22 39	0 52	11 38	1 22	19 45	1 53	22 12	0 27	0 55	1 31	0 20	15 43	19 42	20 0	21 25	7 20	6 33
F 24	11 18	10 3	4 57	14 20	1 46	1 15	0 55	22 34	0 52	11 41	1 22	19 46	1 53	22 11	0 27	0 56	1 31	0 20	15 43	19 44	20 0	21 27	7 21	6 33
S 25	10 58	14 53	5 11	13 39	1 47	0 43	0 53	22 28	0 53	11 44	1 23	19 46	1 53	22 11	0 27	0 57	1 31	0 20	15 43	19 45	20 1	21 29	7 22	6 33
S 26	10 37	19 5	5 11	12 57	1 46	0 12	0 51	22 22	0 54	11 47	1 23	19 46	1 53	22 11	0 27	0 58	1 31	0 19	15 44	19 45	20 2	21 31	7 23	6 33
M27	10 16	22 30	4 57	12 14	1 45	0s19	0 49	22 16	0 54	11 50	1 23	19 47	1 53	22 10	0 27	0 59	1 31	0 19	15 44	19 46	20 2	21 32	7 24	6 33
T 28	9 55	24 59	4 31	11 31	1 44	0 50	0 46	22 10	0 55	11 53	1 23	19 47	1 53	22 10	0 27	0 59	1 31	0 19	15 44	19 46	20 3	21 34	7 25	6 33
W29	9 34	26 21	3 53	10 46	1 41	1 21	0 44	22 4	0 56	11 56	1 23	19 47	1 54	22 9	0 27	1 0	1 31	0 18	15 44	19 46	20 4	21 36	7 26	6 33
T 30	9 12	26 30	3 5	10 1	1 39	1 52	0 41	21 58	0 56	11 59	1 23	19 47	1 54	22 9	0 27	1 1	1 31	0 18	15 45	19 46	20 4	21 38	7 27	6 32
F 31	8n51	25s21	2s 7	9n15	1n36	2s24	0n39	21n51	0n57	12s 1	1s23	19n48	1s54	22n 8	0n27	1s 2	1n31	0n18	15s45	19s45	20s 5	21s39	7s28	6n32

Julian Day Number = 2312234.5, Delta T = 67.88 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'01, Lahiri = 18°32'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

SEPTEMBER 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 0	8♍16'58	20♉44	12♍ 1	8♎43	27♋ 0	2°R 1	7♊54	22♋ 3	6♎ 6	11°R28	2♒ 2	0♒27	17♏ 3	23°R39	S 1
S 2	22 43 56	9°15'11	3♒44	13°52	9°56	27°38	1♓53	7°56	22° 5	6° 8	11♉27	2°R 2	0°24	17° 9	23♒36	S 2
M 3	22 47 53	10°13'27	17° 7	15°41	11° 9	28°16	1°45	7°58	22° 8	6°10	11°27	2° 1	0°21	17°16	23°33	M 3
T 4	22 51 49	11°11'43	0♓53	17°30	12°21	28°54	1°37	7°59	22°11	6°12	11°26	1°58	0°18	17°23	23°30	T 4
W 5	22 55 46	12°10'02	15° 0	19°17	13°34	29°31	1°30	8° 1	22°14	6°14	11°26	1°54	0°14	17°30	23°27	W 5
T 6	22 59 42	13° 8'22	29°25	21° 3	14°47	0♌ 9	1°22	8° 3	22°16	6°16	11°25	1°48	0°11	17°36	23°25	T 6
F 7	23 3 39	14° 6'44	14♈ 0	22°49	15°59	0°46	1°15	8° 4	22°19	6°19	11°25	1°42	0° 8	17°43	23°22	F 7
S 8	23 7 35	15° 5'09	28°38	24°33	17°12	1°24	1° 7	8° 6	22°21	6°21	11°24	1°35	0° 5	17°50	23°19	S 8
S 9	23 11 32	16° 3'35	13♉14	26°16	18°24	2° 1	1° 0	8° 7	22°24	6°23	11°24	1°30	0° 2	17°56	23°16	S 9
M10	23 15 29	17° 2'04	27°41	27°57	19°37	2°39	0°52	8° 8	22°26	6°25	11°23	1°27	29♑59	18° 3	23°14	M10
T 11	23 19 25	18° 0'35	11♊56	29°38	20°49	3°16	0°45	8° 9	22°29	6°27	11°23	1°D25	29°55	18°10	23°11	T 11
W12	23 23 22	18°59'08	25°56	1♎18	22° 2	3°53	0°38	8°10	22°31	6°29	11°22	1°25	29°52	18°17	23° 8	W12
T 13	23 27 18	19°57'43	9♋41	2°57	23°14	4°31	0°31	8°11	22°34	6°31	11°21	1°26	29°49	18°23	23° 6	T 13
F 14	23 31 15	20°56'21	23°12	4°34	24°26	5° 8	0°24	8°12	22°36	6°33	11°21	1°27	29°46	18°30	23° 3	F 14
S 15	23 35 11	21°55'01	6♌29	6°11	25°39	5°45	0°17	8°13	22°38	6°36	11°20	1°R27	29°43	18°37	23° 0	S 15
S 16	23 39 8	22°53'43	19°34	7°47	26°51	6°22	0°10	8°13	22°40	6°38	11°19	1°26	29°40	18°43	22°58	S 16
M17	23 43 4	23°52'27	2♍27	9°21	28° 3	6°59	0° 4	8°14	22°43	6°40	11°19	1°22	29°36	18°50	22°55	M17
T 18	23 47 1	24°51'13	15° 9	10°55	29°16	7°36	29♒57	8°14	22°45	6°42	11°18	1°15	29°33	18°57	22°53	T 18
W19	23 50 58	25°50'01	27°40	12°28	0♏28	8°13	29°51	8°14	22°47	6°44	11°17	1° 7	29°30	19° 4	22°51	W19
T 20	23 54 54	26°48'51	10♎ 0	14° 0	1°40	8°50	29°45	8°R14	22°49	6°47	11°17	0°56	29°27	19°10	22°48	T 20
F 21	23 58 51	27°47'44	22°11	15°31	2°52	9°26	29°38	8°14	22°51	6°49	11°16	0°46	29°24	19°17	22°46	F 21
S 22	0 2 47	28°46'38	4♏13	17° 1	4° 5	10° 3	29°32	8°14	22°53	6°51	11°15	0°35	29°20	19°24	22°44	S 22
S 23	0 6 44	29°45'34	16° 7	18°30	5°17	10°40	29°27	8°14	22°55	6°53	11°14	0°26	29°17	19°30	22°41	S 23
M24	0 10 40	0♎44'31	27°58	19°58	6°29	11°16	29°21	8°14	22°57	6°55	11°13	0°18	29°14	19°37	22°39	M24
T 25	0 14 37	1°43'31	9♐48	21°25	7°41	11°53	29°15	8°13	22°59	6°58	11°13	0°13	29°11	19°44	22°37	T 25
W26	0 18 33	2°42'33	21°42	22°51	8°53	12°29	29°10	8°13	23° 0	7° 0	11°12	0°11	29° 8	19°51	22°35	W26
T 27	0 22 30	3°41'36	3♑45	24°16	10° 5	13° 6	29° 5	8°12	23° 2	7° 2	11°11	0°D10	29° 5	19°57	22°33	T 27
F 28	0 26 27	4°40'41	16° 1	25°40	11°17	13°42	29° 0	8°11	23° 4	7° 4	11°10	0°11	29° 1	20° 4	22°31	F 28
S 29	0 30 23	5°39'48	28°37	27° 3	12°29	14°18	28°55	8°10	23° 5	7° 7	11° 9	0°R11	28°58	20°11	22°29	S 29
S 30	0 34 20	6♎38'57	11♒36	28♎25	13♏41	14♌54	28♒50	8♊ 9	23♋ 7	7♎ 9	11♉ 8	0♒11	28♑55	20♏17	22♒27	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	8n29	22s54	1s 1	8n29	1n32	2s55	0n36	21n44	0n57	12s 4	1s23	19n48	1s54	22n 8	0n27	1s 3	1n31	0n17	15s45	19s45	20s 6	21s41	7s29	6n32
S 2	8 7	19 13	0n 9	7 43	1 28	3 26	0 33	21 38	0 58	12 7	1 23	19 48	1 54	22 7	0 27	1 3	1 31	0 17	15 46	19 45	20 6	21 43	7 30	6 32
M 3	7 45	14 27	1 21	6 56	1 24	3 57	0 31	21 31	0 59	12 10	1 23	19 48	1 54	22 7	0 27	1 4	1 31	0 16	15 46	19 45	20 7	21 44	7 32	6 32
T 4	7 23	8 51	2 30	6 10	1 19	4 28	0 28	21 24	0 59	12 13	1 23	19 48	1 54	22 7	0 27	1 5	1 31	0 16	15 46	19 46	20 8	21 46	7 33	6 32
W 5	7 1	2 40	3 32	5 23	1 14	4 59	0 25	21 16	1 0	12 16	1 23	19 48	1 55	22 6	0 27	1 6	1 31	0 16	15 46	19 47	20 9	21 48	7 34	6 31
T 6	6 38	3n45	4 21	4 36	1 8	5 30	0 22	21 9	1 1	12 18	1 23	19 49	1 55	22 6	0 27	1 7	1 30	0 15	15 47	19 48	20 9	21 50	7 35	6 31
F 7	6 16	10 3	4 54	3 49	1 3	6 0	0 19	21 1	1 1	12 21	1 23	19 49	1 55	22 5	0 28	1 8	1 30	0 15	15 47	19 50	20 10	21 51	7 36	6 31
S 8	5 53	15 48	5 8	3 2	0 57	6 31	0 16	20 54	1 2	12 24	1 23	19 49	1 55	22 5	0 28	1 8	1 30	0 14	15 47	19 51	20 11	21 53	7 37	6 31
S 9	5 31	20 38	5 2	2 16	0 51	7 1	0 14	20 46	1 3	12 26	1 23	19 49	1 55	22 5	0 28	1 9	1 30	0 14	15 47	19 52	20 11	21 55	7 38	6 31
M10	5 8	24 11	4 37	1 30	0 44	7 32	0 11	20 38	1 3	12 29	1 23	19 49	1 55	22 4	0 28	1 10	1 30	0 14	15 48	19 53	20 12	21 56	7 39	6 30
T 11	4 45	26 9	3 55	0 43	0 38	8 2	0 7	20 30	1 4	12 32	1 23	19 49	1 55	22 4	0 28	1 11	1 30	0 13	15 48	19 53	20 13	21 58	7 40	6 30
W12	4 22	26 25	3 0	0s 2	0 31	8 32	0 4	20 22	1 4	12 34	1 23	19 49	1 56	22 4	0 28	1 12	1 30	0 13	15 48	19 53	20 13	22 0	7 41	6 30
T 13	3 59	25 2	1 55	0 48	0 24	9 2	0 1	20 14	1 5	12 37	1 23	19 49	1 56	22 3	0 28	1 13	1 30	0 12	15 48	19 53	20 14	22 1	7 42	6 30
F 14	3 36	22 13	0 44	1 33	0 17	9 31	0s 2	20 5	1 6	12 39	1 23	19 49	1 56	22 3	0 28	1 14	1 30	0 12	15 49	19 53	20 15	22 3	7 43	6 29
S 15	3 13	18 15	0s27	2 18	0 10	10 1	0 5	19 57	1 6	12 41	1 23	19 49	1 56	22 2	0 28	1 14	1 30	0 12	15 49	19 53	20 15	22 4	7 44	6 29
S 16	2 50	13 28	1 36	3 3	0 3	10 30	0 8	19 48	1 7	12 44	1 23	19 49	1 56	22 2	0 28	1 15	1 30	0 11	15 49	19 53	20 16	22 6	7 46	6 29
M17	2 26	8 10	2 38	3 47	0s 4	10 59	0 11	19 39	1 8	12 46	1 23	19 49	1 56	22 2	0 28	1 16	1 30	0 11	15 49	19 54	20 17	22 8	7 47	6 29
T 18	2 3	2 36	3 32	4 30	0 11	11 28	0 15	19 31	1 8	12 48	1 23	19 49	1 56	22 1	0 28	1 17	1 30	0 10	15 49	19 55	20 17	22 9	7 48	6 28
W19	1 40	2s58	4 14	5 13	0 19	11 56	0 18	19 22	1 9	12 51	1 23	19 48	1 57	22 1	0 28	1 18	1 30	0 10	15 50	19 57	20 18	22 11	7 49	6 28
T 20	1 16	8 19	4 44	5 56	0 26	12 25	0 21	19 13	1 10	12 53	1 23	19 48	1 57	22 1	0 28	1 19	1 30	0 10	15 50	19 59	20 19	22 13	7 50	6 28
F 21	0 53	13 18	5 1	6 38	0 34	12 53	0 24	19 3	1 10	12 55	1 23	19 48	1 57	22 1	0 28	1 20	1 30	0 9	15 50	20 2	20 19	22 14	7 51	6 27
S 22	0 29	17 42	5 3	7 20	0 41	13 20	0 28	18 54	1 11	12 57	1 23	19 48	1 57	22 0	0 28	1 21	1 30	0 9	15 50	20 4	20 20	22 16	7 52	6 27
S 23	0 6	21 22	4 53	8 1	0 48	13 48	0 31	18 45	1 12	12 59	1 23	19 48	1 57	22 0	0 28	1 21	1 30	0 8	15 51	20 6	20 21	22 17	7 53	6 27
M24	0s18	24 8	4 30	8 41	0 56	14 15	0 34	18 35	1 12	13 1	1 22	19 48	1 57	22 0	0 28	1 22	1 30	0 8	15 51	20 8	20 21	22 19	7 54	6 27
T 25	0 41	25 50	3 55	9 21	1 3	14 42	0 38	18 26	1 13	13 3	1 22	19 47	1 57	21 59	0 28	1 23	1 30	0 7	15 51	20 9	20 22	22 20	7 55	6 26
W26	1 5	26 23	3 10	10 0	1 11	15 8	0 41	18 16	1 13	13 4	1 22	19 47	1 58	21 59	0 28	1 24	1 30	0 7	15 51	20 9	20 23	22 22	7 56	6 26
T 27	1 28	25 42	2 16	10 38	1 18	15 34	0 44	18 6	1 14	13 6	1 22	19 47	1 58	21 59	0 28	1 25	1 30	0 7	15 51	20 9	20 23	22 24	7 57	6 26
F 28	1 52	23 46	1 15	11 16	1 25	16 0	0 48	17 56	1 15	13 8	1 22	19 47	1 58	21 59	0 28	1 26	1 30	0 6	15 51	20 9	20 24	22 25	7 58	6 25
S 29	2 15	20 37	0 8	11 53	1 32	16 25	0 51	17 47	1 15	13 9	1 22	19 46	1 58	21 58	0 28	1 27	1 30	0 6	15 52	20 9	20 25	22 27	7 59	6 25
S 30	2s39	16s23	1n 0	12s29	1s39	16s50	0s54	17n37	1n16	13s11	1s22	19n46	1s58	21n58	0n28	1s28	1n30	0n 5	15s52	20s 9	20s25	22s28	7s59	6n25

Julian Day Number = 2312265.5, Delta T = 67.80 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'05, Lahiri = 18°32'05Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

OCTOBER 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 38 16	7♎38'07	25♒ 2	29♎46	14♏52	15♌31	28°R45	8°R 8	23♋ 9	7♎11	11°R 7	0°R 8	28♑52	20♏24	22°R25	M 1
T 2	0 42 13	8°37'19	8♓57	1♏ 6	16° 4	16° 7	28♒41	8♊ 7	23°10	7°13	11♉ 6	0♒ 3	28°49	20°31	22♒23	T 2
W 3	0 46 9	9°36'33	23°18	2°24	17°16	16°43	28°37	8° 6	23°12	7°16	11° 6	29♑56	28°45	20°38	22°22	W 3
T 4	0 50 6	10°35'49	8♈ 3	3°42	18°27	17°18	28°33	8° 4	23°13	7°18	11° 5	29°46	28°42	20°44	22°20	T 4
F 5	0 54 2	11°35'07	23° 2	4°58	19°39	17°54	28°29	8° 3	23°14	7°20	11° 4	29°35	28°39	20°51	22°18	F 5
S 6	0 57 59	12°34'28	8♉ 6	6°12	20°51	18°30	28°25	8° 1	23°16	7°22	11° 3	29°25	28°36	20°58	22°17	S 6
S 7	1 1 55	13°33'50	23° 6	7°25	22° 2	19° 6	28°22	7°59	23°17	7°24	11° 2	29°16	28°33	21° 4	22°15	S 7
M 8	1 5 52	14°33'15	7♊53	8°36	23°14	19°41	28°18	7°58	23°18	7°27	11° 1	29° 9	28°30	21°11	22°14	M 8
T 9	1 9 49	15°32'42	22°20	9°46	24°25	20°17	28°15	7°56	23°19	7°29	11° 0	29° 5	28°26	21°18	22°12	T 9
W10	1 13 45	16°32'12	6♋25	10°53	25°37	20°52	28°12	7°54	23°20	7°31	10°59	29° 3	28°23	21°25	22°11	W10
T 11	1 17 42	17°31'44	20° 8	11°59	26°48	21°28	28°10	7°51	23°21	7°33	10°58	29°D 3	28°20	21°31	22° 9	T 11
F 12	1 21 38	18°31'18	3♌30	13° 2	27°59	22° 3	28° 7	7°49	23°22	7°36	10°57	29°R 3	28°17	21°38	22° 8	F 12
S 13	1 25 35	19°30'54	16°34	14° 3	29°11	22°39	28° 5	7°47	23°23	7°38	10°56	29° 2	28°14	21°45	22° 7	S 13
S 14	1 29 31	20°30'33	29°22	15° 0	0♐22	23°14	28° 3	7°44	23°24	7°40	10°55	28°59	28°11	21°51	22° 6	S 14
M15	1 33 28	21°30'14	11♍58	15°55	1°33	23°49	28° 1	7°42	23°25	7°42	10°54	28°53	28° 7	21°58	22° 5	M15
T 16	1 37 24	22°29'57	24°23	16°47	2°44	24°24	27°59	7°39	23°26	7°44	10°53	28°44	28° 4	22° 5	22° 3	T 16
W17	1 41 21	23°29'42	6♎40	17°35	3°55	24°59	27°57	7°36	23°27	7°47	10°51	28°32	28° 1	22°12	22° 2	W17
T 18	1 45 18	24°29'30	18°49	18°18	5° 6	25°34	27°56	7°34	23°27	7°49	10°50	28°19	27°58	22°18	22° 2	T 18
F 19	1 49 14	25°29'19	0♏51	18°57	6°17	26° 9	27°55	7°31	23°28	7°51	10°49	28° 4	27°55	22°25	22° 1	F 19
S 20	1 53 11	26°29'10	12°47	19°31	7°28	26°43	27°54	7°28	23°28	7°53	10°48	27°49	27°51	22°32	22° 0	S 20
S 21	1 57 7	27°29'04	24°39	20° 0	8°39	27°18	27°53	7°24	23°29	7°55	10°47	27°36	27°48	22°38	21°59	S 21
M22	2 1 4	28°28'59	6♐28	20°22	9°50	27°52	27°53	7°21	23°29	7°57	10°46	27°26	27°45	22°45	21°58	M22
T 23	2 5 0	29°28'56	18°18	20°38	11° 0	28°27	27°52	7°18	23°30	7°59	10°45	27°18	27°42	22°52	21°58	T 23
W24	2 8 57	0♏28'54	0♑11	20°46	12°11	29° 1	27°D52	7°15	23°30	8° 1	10°44	27°13	27°39	22°59	21°57	W24
T 25	2 12 53	1°28'55	12°11	20°R47	13°21	29°36	27°52	7°11	23°30	8° 4	10°43	27°11	27°36	23° 5	21°57	T 25
F 26	2 16 50	2°28'57	24°24	20°39	14°32	0♍10	27°53	7° 8	23°31	8° 6	10°42	27°10	27°32	23°12	21°56	F 26
S 27	2 20 47	3°29'00	6♒54	20°21	15°42	0°44	27°53	7° 4	23°31	8° 8	10°41	27°10	27°29	23°19	21°56	S 27
S 28	2 24 43	4°29'06	19°47	19°55	16°53	1°18	27°54	7° 0	23°31	8°10	10°39	27°10	27°26	23°25	21°56	S 28
M29	2 28 40	5°29'12	3♓ 7	19°19	18° 3	1°52	27°55	6°57	23°31	8°12	10°38	27° 7	27°23	23°32	21°55	M29
T 30	2 32 36	6°29'20	16°58	18°33	19°13	2°26	27°56	6°53	23°R31	8°14	10°37	27° 2	27°20	23°39	21°55	T 30
W31	2 36 33	7♏29'30	1♈18	17♏38	20♐23	2♍59	27♒57	6♊49	23♋31	8♎16	10♉36	26♑55	27♑17	23♏45	21♒55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s 2	11s12	2n 8	13s 4	1s46	17s15	0s58	17n26	1n17	13s13	1s22	19n46	1s58	21n58	0n28	1s28	1n30	0n 5	15s52	20s10	20s26	22s30	8s 0	6n24
T 2	3 26	5 18	3 10	13 39	1 53	17 39	1 1	17 16	1 17	13 14	1 22	19 46	1 58	21 58	0 28	1 29	1 30	0 5	15 52	20 11	20 26	22 31	8 1	6 24
W 3	3 49	1n 3	4 3	14 12	2 0	18 3	1 4	17 6	1 18	13 15	1 22	19 45	1 59	21 57	0 28	1 30	1 30	0 4	15 52	20 13	20 27	22 33	8 2	6 24
T 4	4 12	7 29	4 40	14 45	2 6	18 26	1 8	16 56	1 19	13 17	1 21	19 45	1 59	21 57	0 28	1 31	1 30	0 4	15 52	20 15	20 28	22 34	8 3	6 23
F 5	4 35	13 36	4 59	15 17	2 12	18 49	1 11	16 45	1 19	13 18	1 21	19 45	1 59	21 57	0 28	1 32	1 30	0 3	15 53	20 17	20 28	22 36	8 4	6 23
S 6	4 59	18 56	4 58	15 47	2 18	19 12	1 14	16 35	1 20	13 19	1 21	19 44	1 59	21 57	0 28	1 33	1 30	0 3	15 53	20 19	20 29	22 37	8 5	6 22
S 7	5 22	23 2	4 36	16 17	2 24	19 34	1 17	16 24	1 21	13 20	1 21	19 44	1 59	21 57	0 28	1 34	1 30	0 2	15 53	20 21	20 30	22 39	8 6	6 22
M 8	5 45	25 33	3 56	16 46	2 30	19 55	1 21	16 14	1 21	13 21	1 21	19 43	1 59	21 56	0 28	1 35	1 30	0 2	15 53	20 22	20 30	22 40	8 6	6 22
T 9	6 8	26 17	3 1	17 13	2 35	20 16	1 24	16 3	1 22	13 22	1 21	19 43	1 59	21 56	0 28	1 35	1 30	0 2	15 53	20 23	20 31	22 42	8 7	6 21
W10	6 31	25 17	1 57	17 40	2 40	20 37	1 27	15 52	1 23	13 23	1 21	19 42	1 59	21 56	0 29	1 36	1 31	0 1	15 53	20 23	20 32	22 43	8 8	6 21
T 11	6 54	22 45	0 47	18 5	2 45	20 57	1 30	15 42	1 23	13 24	1 20	19 42	1 59	21 56	0 29	1 37	1 31	0 1	15 53	20 24	20 32	22 45	8 9	6 21
F 12	7 16	19 2	0s24	18 28	2 49	21 16	1 33	15 31	1 24	13 24	1 20	19 42	2 0	21 56	0 29	1 38	1 31	0 0	15 53	20 24	20 33	22 46	8 10	6 20
S 13	7 39	14 27	1 31	18 50	2 53	21 35	1 36	15 20	1 25	13 25	1 20	19 41	2 0	21 56	0 29	1 39	1 31	0 0	15 54	20 24	20 34	22 48	8 10	6 20
S 14	8 2	9 20	2 33	19 11	2 57	21 53	1 39	15 9	1 25	13 26	1 20	19 41	2 0	21 56	0 29	1 40	1 31	0s 0	15 54	20 24	20 34	22 49	8 11	6 19
M15	8 24	3 55	3 26	19 30	2 59	22 11	1 42	14 58	1 26	13 26	1 20	19 40	2 0	21 56	0 29	1 41	1 31	0 1	15 54	20 26	20 35	22 50	8 12	6 19
T 16	8 46	1s34	4 8	19 47	3 2	22 28	1 45	14 47	1 27	13 27	1 20	19 40	2 0	21 55	0 29	1 41	1 31	0 1	15 54	20 27	20 36	22 52	8 13	6 19
W17	9 9	6 54	4 38	20 3	3 4	22 45	1 48	14 36	1 27	13 27	1 19	19 39	2 0	21 55	0 29	1 42	1 31	0 2	15 54	20 30	20 36	22 53	8 13	6 18
T 18	9 31	11 56	4 55	20 16	3 5	23 1	1 51	14 24	1 28	13 27	1 19	19 38	2 0	21 55	0 29	1 43	1 31	0 2	15 54	20 33	20 37	22 55	8 14	6 18
F 19	9 53	16 27	4 59	20 27	3 5	23 17	1 54	14 13	1 29	13 28	1 19	19 38	2 0	21 55	0 29	1 44	1 31	0 2	15 54	20 36	20 37	22 56	8 15	6 17
S 20	10 14	20 18	4 49	20 36	3 4	23 31	1 57	14 2	1 29	13 28	1 19	19 37	2 0	21 55	0 29	1 45	1 31	0 3	15 54	20 38	20 38	22 58	8 15	6 17
S 21	10 36	23 17	4 27	20 43	3 3	23 46	2 0	13 51	1 30	13 28	1 19	19 37	2 0	21 55	0 29	1 46	1 31	0 3	15 54	20 41	20 39	22 59	8 16	6 17
M22	10 57	25 16	3 54	20 46	3 0	23 59	2 2	13 39	1 31	13 28	1 19	19 36	2 0	21 55	0 29	1 46	1 31	0 3	15 54	20 43	20 39	23 0	8 17	6 16
T 23	11 19	26 7	3 10	20 47	2 57	24 12	2 5	13 28	1 31	13 28	1 18	19 36	2 1	21 55	0 29	1 47	1 31	0 4	15 54	20 45	20 40	23 2	8 17	6 16
W24	11 40	25 47	2 17	20 45	2 52	24 24	2 7	13 17	1 32	13 28	1 18	19 35	2 1	21 55	0 29	1 48	1 31	0 4	15 54	20 46	20 41	23 3	8 18	6 15
T 25	12 1	24 14	1 18	20 39	2 46	24 36	2 10	13 5	1 33	13 28	1 18	19 34	2 1	21 55	0 29	1 49	1 31	0 4	15 54	20 46	20 41	23 5	8 18	6 15
F 26	12 22	21 32	0 15	20 29	2 38	24 47	2 12	12 54	1 33	13 27	1 18	19 34	2 1	21 55	0 29	1 50	1 31	0 5	15 54	20 46	20 42	23 6	8 19	6 14
S 27	12 42	17 46	0n51	20 15	2 28	24 57	2 15	12 42	1 34	13 27	1 18	19 33	2 1	21 55	0 29	1 50	1 31	0 5	15 54	20 46	20 42	23 7	8 19	6 14
S 28	13 3	13 4	1 57	19 58	2 18	25 7	2 17	12 31	1 35	13 26	1 17	19 32	2 1	21 55	0 29	1 51	1 31	0 6	15 54	20 46	20 43	23 9	8 20	6 14
M29	13 23	7 37	2 58	19 36	2 5	25 16	2 19	12 19	1 36	13 26	1 17	19 32	2 1	21 55	0 29	1 52	1 31	0 6	15 54	20 47	20 44	23 10	8 20	6 13
T 30	13 43	1 37	3 51	19 9	1 51	25 24	2 21	12 8	1 36	13 25	1 17	19 31	2 1	21 55	0 29	1 53	1 31	0 6	15 54	20 48	20 44	23 11	8 21	6 13
W31	14s 2	4n40	4n32	18s38	1s34	25s32	2s24	11n56	1n37	13s25	1s17	19n30	2s 1	21n55	0n29	1s53	1n31	0s 6	15s54	20s49	20s45	23s13	8s21	6n12

Julian Day Number = 2312295.5, Delta T = 67.73 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'09, Lahiri = 18°32'10Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

NOVEMBER 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 29	8♏29'42	16♈ 6	16°R35	21♐33	3♍33	27♒59	6°R45	23°R31	8♎18	10°R35	26°R45	27♑13	23♏52	21°R55	T 1
F 2	2 44 26	9°29'55	1♉15	15♏24	22°43	4° 7	28° 0	6♊41	23♋31	8°20	10♉34	26♑34	27°10	23°59	21°D55	F 2
S 3	2 48 22	10°30'10	16°34	14° 9	23°53	4°40	28° 2	6°37	23°31	8°22	10°33	26°23	27° 7	24° 6	21♒55	S 3
S 4	2 52 19	11°30'26	1♊52	12°50	25° 2	5°13	28° 4	6°32	23°30	8°24	10°32	26°13	27° 4	24°12	21°55	S 4
M 5	2 56 16	12°30'45	16°57	11°30	26°12	5°47	28° 7	6°28	23°30	8°26	10°30	26° 6	27° 1	24°19	21°55	M 5
T 6	3 0 12	13°31'06	1♋42	10°12	27°21	6°20	28° 9	6°24	23°30	8°28	10°29	26° 1	26°57	24°26	21°56	T 6
W 7	3 4 9	14°31'28	16° 1	8°58	28°31	6°53	28°12	6°20	23°29	8°30	10°28	25°59	26°54	24°32	21°56	W 7
T 8	3 8 5	15°31'53	29°53	7°51	29°40	7°26	28°15	6°15	23°29	8°31	10°27	25°D59	26°51	24°39	21°56	T 8
F 9	3 12 2	16°32'19	13♌18	6°53	0♑49	7°59	28°18	6°11	23°28	8°33	10°26	25°R59	26°48	24°46	21°57	F 9
S 10	3 15 58	17°32'47	26°21	6° 4	1°58	8°31	28°21	6° 6	23°28	8°35	10°25	25°59	26°45	24°53	21°57	S 10
S 11	3 19 55	18°33'17	9♍ 3	5°27	3° 7	9° 4	28°25	6° 2	23°27	8°37	10°24	25°57	26°42	24°59	21°58	S 11
M12	3 23 51	19°33'49	21°30	5° 2	4°16	9°36	28°28	5°57	23°26	8°39	10°23	25°52	26°38	25° 6	21°58	M12
T 13	3 27 48	20°34'23	3♎44	4°48	5°25	10° 9	28°32	5°52	23°26	8°41	10°21	25°45	26°35	25°13	21°59	T 13
W14	3 31 45	21°34'58	15°50	4°D45	6°33	10°41	28°36	5°48	23°25	8°42	10°20	25°35	26°32	25°19	22° 0	W14
T 15	3 35 41	22°35'35	27°49	4°54	7°42	11°13	28°40	5°43	23°24	8°44	10°19	25°24	26°29	25°26	22° 1	T 15
F 16	3 39 38	23°36'14	9♏44	5°12	8°50	11°45	28°45	5°38	23°23	8°46	10°18	25°11	26°26	25°33	22° 1	F 16
S 17	3 43 34	24°36'54	21°37	5°40	9°58	12°17	28°49	5°33	23°22	8°47	10°17	24°59	26°22	25°39	22° 2	S 17
S 18	3 47 31	25°37'36	3♐27	6°17	11° 6	12°49	28°54	5°29	23°21	8°49	10°16	24°47	26°19	25°46	22° 3	S 18
M19	3 51 27	26°38'19	15°18	7° 0	12°14	13°20	28°59	5°24	23°20	8°51	10°15	24°38	26°16	25°53	22° 4	M19
T 20	3 55 24	27°39'03	27°11	7°51	13°22	13°52	29° 4	5°19	23°19	8°52	10°14	24°32	26°13	26° 0	22° 6	T 20
W21	3 59 20	28°39'49	9♑ 7	8°47	14°29	14°23	29°10	5°14	23°18	8°54	10°13	24°28	26°10	26° 6	22° 7	W21
T 22	4 3 17	29°40'36	21°11	9°48	15°36	14°54	29°15	5° 9	23°17	8°56	10°12	24°D27	26° 7	26°13	22° 8	T 22
F 23	4 7 14	0♐41'24	3♒26	10°54	16°44	15°26	29°21	5° 4	23°15	8°57	10°11	24°27	26° 3	26°20	22° 9	F 23
S 24	4 11 10	1°42'12	15°56	12° 3	17°51	15°56	29°27	4°59	23°14	8°59	10°10	24°28	26° 0	26°26	22°11	S 24
S 25	4 15 7	2°43'02	28°45	13°16	18°57	16°27	29°33	4°54	23°13	9° 0	10° 9	24°R29	25°57	26°33	22°12	S 25
M26	4 19 3	3°43'53	11♓57	14°31	20° 4	16°58	29°39	4°49	23°11	9° 2	10° 8	24°29	25°54	26°40	22°14	M26
T 27	4 23 0	4°44'44	25°37	15°49	21°10	17°28	29°46	4°44	23°10	9° 3	10° 7	24°26	25°51	26°47	22°15	T 27
W28	4 26 56	5°45'36	9♈45	17° 9	22°16	17°59	29°52	4°39	23° 8	9° 5	10° 6	24°22	25°48	26°53	22°17	W28
T 29	4 30 53	6°46'29	24°20	18°31	23°22	18°29	29°59	4°34	23° 7	9° 6	10° 5	24°16	25°44	27° 0	22°18	T 29
F 30	4 34 49	7♐47'23	9♉19	19♏55	24♑28	18♍59	0♓ 6	4♊30	23♋ 5	9♎ 7	10♉ 4	24♑ 9	25♑41	27♏ 7	22♒20	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s22	10n54	4n56	18s 3	1s17	25s38	2s26	11n45	1n38	13s24	1s17	19n30	2s 1	21n55	0n29	1s54	1n31	0s 7	15s54	20s51	20s46	23s14	8s22	6n12
F 2	14 41	16 37	5 0	17 25	0 58	25 45	2 27	11 33	1 38	13 23	1 17	19 29	2 1	21 55	0 29	1 55	1 31	0 7	15 54	20 53	20 46	23 15	8 22	6 11
S 3	15 0	21 20	4 43	16 43	0 38	25 50	2 29	11 21	1 39	13 22	1 16	19 28	2 1	21 55	0 29	1 56	1 31	0 7	15 54	20 55	20 47	23 17	8 22	6 11
S 4	15 19	24 35	4 5	16 0	0 18	25 55	2 31	11 10	1 40	13 22	1 16	19 27	2 1	21 55	0 29	1 56	1 31	0 8	15 54	20 57	20 47	23 18	8 23	6 11
M 5	15 38	26 1	3 11	15 16	0n 3	25 59	2 33	10 58	1 41	13 21	1 16	19 27	2 1	21 55	0 29	1 57	1 31	0 8	15 54	20 58	20 48	23 19	8 23	6 10
T 6	15 56	25 34	2 5	14 32	0 23	26 2	2 34	10 47	1 41	13 20	1 16	19 26	2 1	21 55	0 29	1 58	1 31	0 8	15 54	20 59	20 49	23 21	8 24	6 10
W 7	16 14	23 24	0 53	13 50	0 43	26 5	2 36	10 35	1 42	13 18	1 16	19 25	2 1	21 56	0 29	1 59	1 31	0 9	15 54	21 0	20 49	23 22	8 24	6 9
T 8	16 32	19 53	0s21	13 11	1 2	26 7	2 37	10 23	1 43	13 17	1 15	19 24	2 1	21 56	0 30	1 59	1 31	0 9	15 54	21 0	20 50	23 23	8 24	6 9
F 9	16 49	15 25	1 31	12 36	1 19	26 8	2 38	10 12	1 43	13 16	1 15	19 24	2 1	21 56	0 30	2 0	1 31	0 9	15 54	21 0	20 50	23 24	8 24	6 8
S 10	17 6	10 21	2 34	12 6	1 34	26 8	2 40	10 0	1 44	13 15	1 15	19 23	2 1	21 56	0 30	2 1	1 31	0 9	15 54	21 0	20 51	23 26	8 25	6 8
S 11	17 23	4 59	3 28	11 41	1 47	26 8	2 41	9 48	1 45	13 13	1 15	19 22	2 1	21 56	0 30	2 1	1 31	0 10	15 54	21 0	20 52	23 27	8 25	6 8
M12	17 40	0s27	4 11	11 22	1 58	26 7	2 42	9 37	1 46	13 12	1 15	19 21	2 1	21 56	0 30	2 2	1 31	0 10	15 54	21 1	20 52	23 28	8 25	6 7
T 13	17 56	5 47	4 41	11 8	2 8	26 5	2 43	9 25	1 46	13 10	1 14	19 20	2 1	21 56	0 30	2 3	1 31	0 10	15 54	21 2	20 53	23 29	8 25	6 7
W14	18 12	10 50	4 58	11 1	2 15	26 3	2 43	9 14	1 47	13 9	1 14	19 20	2 1	21 57	0 30	2 3	1 31	0 10	15 54	21 4	20 54	23 31	8 25	6 6
T 15	18 28	15 25	5 2	10 58	2 21	26 0	2 44	9 2	1 48	13 7	1 14	19 19	2 1	21 57	0 30	2 4	1 32	0 11	15 54	21 6	20 54	23 32	8 26	6 6
F 16	18 43	19 23	4 53	11 1	2 25	25 56	2 44	8 51	1 49	13 5	1 14	19 18	2 1	21 57	0 30	2 5	1 32	0 11	15 54	21 9	20 55	23 33	8 26	6 5
S 17	18 58	22 34	4 31	11 8	2 27	25 51	2 45	8 39	1 49	13 4	1 14	19 17	2 1	21 57	0 30	2 5	1 32	0 11	15 53	21 11	20 55	23 34	8 26	6 5
S 18	19 12	24 46	3 57	11 19	2 28	25 46	2 45	8 28	1 50	13 2	1 14	19 16	2 1	21 57	0 30	2 6	1 32	0 11	15 53	21 13	20 56	23 36	8 26	6 4
M19	19 27	25 53	3 13	11 33	2 28	25 40	2 45	8 16	1 51	13 0	1 13	19 16	2 1	21 58	0 30	2 7	1 32	0 12	15 53	21 14	20 57	23 37	8 26	6 4
T 20	19 41	25 48	2 21	11 51	2 26	25 34	2 45	8 5	1 52	12 58	1 13	19 15	2 1	21 58	0 30	2 7	1 32	0 12	15 53	21 16	20 57	23 38	8 26	6 4
W21	19 54	24 32	1 21	12 11	2 24	25 26	2 45	7 53	1 52	12 56	1 13	19 14	2 1	21 58	0 30	2 8	1 32	0 12	15 53	21 16	20 58	23 39	8 26	6 3
T 22	20 7	22 6	0 17	12 33	2 21	25 18	2 45	7 42	1 53	12 54	1 13	19 13	2 1	21 58	0 30	2 8	1 32	0 12	15 53	21 17	20 58	23 40	8 26	6 3
F 23	20 20	18 39	0n48	12 57	2 17	25 10	2 45	7 30	1 54	12 51	1 13	19 12	2 1	21 58	0 30	2 9	1 32	0 12	15 53	21 17	20 59	23 42	8 26	6 2
S 24	20 33	14 18	1 53	13 23	2 13	25 1	2 44	7 19	1 55	12 49	1 12	19 12	2 1	21 59	0 30	2 10	1 32	0 12	15 53	21 16	21 0	23 43	8 26	6 2
S 25	20 45	9 13	2 54	13 49	2 8	24 51	2 44	7 8	1 56	12 47	1 12	19 11	2 1	21 59	0 30	2 10	1 32	0 13	15 52	21 16	21 0	23 44	8 26	6 2
M26	20 57	3 35	3 47	14 17	2 2	24 40	2 43	6 57	1 56	12 45	1 12	19 10	2 1	21 59	0 30	2 11	1 32	0 13	15 52	21 16	21 1	23 45	8 26	6 1
T 27	21 8	2n23	4 30	14 45	1 56	24 29	2 42	6 45	1 57	12 42	1 12	19 9	2 1	22 0	0 30	2 11	1 32	0 13	15 52	21 17	21 1	23 46	8 26	6 1
W28	21 19	8 26	4 58	15 14	1 50	24 18	2 41	6 34	1 58	12 40	1 12	19 8	2 1	22 0	0 30	2 12	1 32	0 13	15 52	21 17	21 2	23 47	8 26	6 0
T 29	21 29	14 13	5 8	15 43	1 44	24 5	2 40	6 23	1 59	12 37	1 12	19 8	2 0	22 0	0 30	2 12	1 32	0 13	15 52	21 18	21 2	23 49	8 26	6 0
F 30	21s39	19n19	4n57	16s12	1n37	23s52	2s39	6n12	2n 0	12s34	1s11	19n 7	2s 0	22n 0	0n30	2s13	1n32	0s13	15s52	21s20	21s 3	23s50	8s25	6n 0

Julian Day Number = 2312326.5, Delta T = 67.65 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'13, Lahiri = 18°32'14Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1618
geocentric

DECEMBER 1618 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 38 46	8♐48'18	24♉33	21♏19	25♉33	19♒29	0♓13	4°R25	23°R 4	9♎ 9	10°R 3	24°R 2	25♉38	27♏13	22♒22	S 1
S 2	4 42 43	9°49'14	9♊51	22°45	26°39	19°58	0°20	4♊20	23♋ 2	9°10	10♉ 2	23♉55	25°35	27°20	22°24	S 2
M 3	4 46 39	10°50'11	25° 3	24°12	27°44	20°28	0°27	4°15	23° 0	9°11	10° 1	23°51	25°32	27°27	22°26	M 3
T 4	4 50 36	11°51'09	9♋59	25°39	28°48	20°57	0°35	4°10	22°59	9°13	10° 0	23°48	25°28	27°33	22°28	T 4
W 5	4 54 32	12°52'08	24°31	27° 8	29°53	21°27	0°43	4° 5	22°57	9°14	9°59	23°D47	25°25	27°40	22°30	W 5
T 6	4 58 29	13°53'08	8♌36	28°36	0♒57	21°56	0°50	4° 0	22°55	9°15	9°58	23°48	25°22	27°47	22°32	T 6
F 7	5 2 25	14°54'08	22°12	0♐ 6	2° 1	22°24	0°58	3°55	22°53	9°16	9°57	23°49	25°19	27°54	22°34	F 7
S 8	5 6 22	15°55'10	5♍22	1°36	3° 4	22°53	1° 6	3°51	22°51	9°17	9°56	23°51	25°16	28° 0	22°36	S 8
S 9	5 10 19	16°56'13	18° 8	3° 6	4° 7	23°22	1°15	3°46	22°49	9°18	9°55	23°R51	25°13	28° 7	22°38	S 9
M10	5 14 15	17°57'17	0♎35	4°36	5°10	23°50	1°23	3°41	22°47	9°19	9°54	23°50	25° 9	28°14	22°41	M10
T 11	5 18 12	18°58'22	12°46	6° 7	6°13	24°18	1°32	3°36	22°45	9°20	9°54	23°48	25° 6	28°20	22°43	T 11
W12	5 22 8	19°59'28	24°48	7°38	7°15	24°46	1°40	3°32	22°43	9°21	9°53	23°43	25° 3	28°27	22°45	W12
T 13	5 26 5	21° 0'35	6♏42	9°10	8°17	25°14	1°49	3°27	22°41	9°22	9°52	23°38	25° 0	28°34	22°48	T 13
F 14	5 30 1	22° 1'42	18°33	10°42	9°18	25°41	1°58	3°23	22°39	9°23	9°51	23°32	24°57	28°40	22°50	F 14
S 15	5 33 58	23° 2'51	0♐23	12°13	10°20	26° 8	2° 7	3°18	22°37	9°24	9°50	23°26	24°54	28°47	22°53	S 15
S 16	5 37 54	24° 4'00	12°15	13°46	11°20	26°35	2°17	3°14	22°35	9°25	9°50	23°21	24°50	28°54	22°55	S 16
M17	5 41 51	25° 5'09	24°10	15°18	12°21	27° 2	2°26	3° 9	22°33	9°26	9°49	23°16	24°47	29° 1	22°58	M17
T 18	5 45 48	26° 6'19	6♑10	16°51	13°20	27°29	2°36	3° 5	22°30	9°27	9°48	23°14	24°44	29° 7	23° 1	T 18
W19	5 49 44	27° 7'29	18°17	18°23	14°20	27°55	2°45	3° 1	22°28	9°28	9°47	23°D12	24°41	29°14	23° 3	W19
T 20	5 53 41	28° 8'39	0♒32	19°57	15°19	28°21	2°55	2°56	22°26	9°28	9°47	23°12	24°38	29°21	23° 6	T 20
F 21	5 57 37	29° 9'50	12°58	21°30	16°17	28°47	3° 5	2°52	22°23	9°29	9°46	23°14	24°35	29°27	23° 9	F 21
S 22	6 1 34	0♑11'00	25°37	23° 3	17°15	29°13	3°15	2°48	22°21	9°30	9°45	23°15	24°31	29°34	23°12	S 22
S 23	6 5 30	1°12'11	8♓31	24°37	18°13	29°38	3°25	2°44	22°19	9°31	9°45	23°17	24°28	29°41	23°15	S 23
M24	6 9 27	2°13'21	21°44	26°11	19°10	0♎ 3	3°35	2°40	22°16	9°31	9°44	23°18	24°25	29°47	23°18	M24
T 25	6 13 23	3°14'32	5♈17	27°46	20° 6	0°28	3°46	2°36	22°14	9°32	9°43	23°R18	24°22	29°54	23°21	T 25
W26	6 17 20	4°15'42	19°13	29°20	21° 2	0°53	3°56	2°32	22°11	9°32	9°43	23°18	24°19	0♐ 1	23°24	W26
T 27	6 21 17	5°16'52	3♉30	0♑55	21°57	1°17	4° 7	2°29	22° 9	9°33	9°42	23°16	24°15	0° 8	23°27	T 27
F 28	6 25 13	6°18'01	18° 7	2°30	22°51	1°41	4°18	2°25	22° 7	9°33	9°42	23°14	24°12	0°14	23°30	F 28
S 29	6 29 10	7°19'11	2♊58	4° 6	23°45	2° 5	4°29	2°21	22° 4	9°34	9°41	23°12	24° 9	0°21	23°33	S 29
S 30	6 33 6	8°20'20	17°58	5°42	24°38	2°28	4°39	2°18	22° 2	9°34	9°41	23°10	24° 6	0°28	23°36	S 30
M31	6 37 3	9♑21'30	2♋56	7♑18	25♒30	2♎52	4♓51	2♊14	21♋59	9♎35	9♉40	23♑ 9	24♑ 3	0♐34	23♒39	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21 s49	23n14	4n26	16 s41	1n30	23 s39	2 s37	6n 1	2n 0	12 s32	1 s11	19n 6	2 s 0	22n 1	0n30	2 s13	1n32	0 s13	15 s51	21 s21	21 s 4	23 s51	8 s25	5n59
S 2	21 58	25 31	3 35	17 10	1 23	23 25	2 36	5 50	2 1	12 29	1 11	19 5	2 0	22 1	0 30	2 14	1 32	0 14	15 51	21 22	21 4	23 52	8 25	5 59
M 3	22 7	25 53	2 29	17 38	1 16	23 10	2 34	5 39	2 2	12 26	1 11	19 4	2 0	22 1	0 30	2 14	1 32	0 14	15 51	21 23	21 5	23 53	8 25	5 58
T 4	22 15	24 21	1 14	18 6	1 9	22 55	2 32	5 28	2 3	12 24	1 11	19 4	2 0	22 2	0 30	2 14	1 32	0 14	15 51	21 23	21 5	23 54	8 25	5 58
W 5	22 23	21 12	0s 4	18 34	1 1	22 39	2 30	5 18	2 4	12 21	1 11	19 3	2 0	22 2	0 30	2 15	1 32	0 14	15 51	21 23	21 6	23 55	8 24	5 58
T 6	22 31	16 52	1 20	19 1	0 54	22 23	2 28	5 7	2 4	12 18	1 10	19 2	2 0	22 2	0 30	2 15	1 33	0 14	15 50	21 23	21 7	23 56	8 24	5 57
F 7	22 38	11 48	2 28	19 27	0 47	22 7	2 25	4 56	2 5	12 15	1 10	19 1	2 0	22 3	0 30	2 16	1 33	0 14	15 50	21 23	21 7	23 57	8 24	5 57
S 8	22 45	6 21	3 27	19 53	0 39	21 49	2 23	4 46	2 6	12 12	1 10	19 0	1 59	22 3	0 30	2 16	1 33	0 14	15 50	21 23	21 8	23 58	8 23	5 56
S 9	22 51	0 49	4 13	20 18	0 32	21 32	2 20	4 35	2 7	12 9	1 10	19 0	1 59	22 3	0 30	2 17	1 33	0 14	15 50	21 23	21 8	24 0	8 23	5 56
M10	22 57	4 s36	4 46	20 42	0 24	21 14	2 17	4 25	2 8	12 5	1 10	18 59	1 59	22 4	0 30	2 17	1 33	0 14	15 50	21 23	21 9	24 1	8 23	5 56
T 11	23 2	9 45	5 6	21 6	0 17	20 55	2 14	4 14	2 9	12 2	1 10	18 58	1 59	22 4	0 30	2 17	1 33	0 14	15 49	21 23	21 9	24 2	8 22	5 55
W12	23 7	14 27	5 11	21 28	0 10	20 36	2 11	4 4	2 10	11 59	1 9	18 57	1 59	22 4	0 31	2 18	1 33	0 14	15 49	21 24	21 10	24 3	8 22	5 55
T 13	23 11	18 33	5 3	21 49	0 3	20 17	2 7	3 54	2 10	11 56	1 9	18 57	1 59	22 5	0 31	2 18	1 33	0 14	15 49	21 25	21 11	24 4	8 21	5 55
F 14	23 15	21 54	4 43	22 10	0s 4	19 57	2 4	3 44	2 11	11 52	1 9	18 56	1 59	22 5	0 31	2 18	1 33	0 14	15 49	21 26	21 11	24 5	8 21	5 54
S 15	23 18	24 20	4 10	22 29	0 11	19 37	2 0	3 34	2 12	11 49	1 9	18 55	1 58	22 5	0 31	2 19	1 33	0 14	15 48	21 27	21 12	24 6	8 20	5 54
S 16	23 21	25 42	3 26	22 48	0 18	19 16	1 56	3 24	2 13	11 45	1 9	18 55	1 58	22 6	0 31	2 19	1 33	0 14	15 48	21 28	21 12	24 7	8 20	5 53
M17	23 24	25 54	2 33	23 5	0 25	18 55	1 52	3 14	2 14	11 42	1 9	18 54	1 58	22 6	0 31	2 19	1 33	0 14	15 48	21 29	21 13	24 8	8 19	5 53
T 18	23 26	24 53	1 32	23 21	0 31	18 34	1 48	3 4	2 15	11 38	1 9	18 53	1 58	22 7	0 31	2 19	1 33	0 14	15 48	21 29	21 13	24 9	8 19	5 53
W19	23 28	22 41	0 27	23 37	0 38	18 13	1 43	2 54	2 16	11 35	1 8	18 53	1 58	22 7	0 31	2 20	1 33	0 14	15 47	21 29	21 14	24 10	8 18	5 52
T 20	23 29	19 25	0n40	23 50	0 44	17 51	1 38	2 45	2 17	11 31	1 8	18 52	1 58	22 7	0 31	2 20	1 33	0 14	15 47	21 29	21 15	24 11	8 18	5 52
F 21	23 29	15 15	1 47	24 3	0 50	17 29	1 34	2 35	2 18	11 27	1 8	18 51	1 57	22 8	0 31	2 20	1 33	0 14	15 47	21 29	21 15	24 12	8 17	5 52
S 22	23 29	10 21	2 49	24 15	0 56	17 6	1 29	2 26	2 19	11 23	1 8	18 51	1 57	22 8	0 31	2 20	1 33	0 14	15 47	21 29	21 16	24 13	8 17	5 51
S 23	23 29	4 55	3 44	24 25	1 2	16 43	1 23	2 17	2 20	11 20	1 8	18 50	1 57	22 9	0 31	2 21	1 33	0 14	15 46	21 29	21 16	24 14	8 16	5 51
M24	23 28	0n50	4 29	24 34	1 8	16 20	1 18	2 8	2 20	11 16	1 8	18 50	1 57	22 9	0 31	2 21	1 34	0 14	15 46	21 28	21 17	24 15	8 15	5 51
T 25	23 27	6 42	5 0	24 41	1 13	15 57	1 12	1 58	2 21	11 12	1 8	18 49	1 57	22 9	0 31	2 21	1 34	0 14	15 46	21 28	21 17	24 16	8 15	5 50
W26	23 25	12 23	5 15	24 48	1 18	15 34	1 6	1 50	2 22	11 8	1 7	18 49	1 56	22 10	0 31	2 21	1 34	0 14	15 45	21 29	21 18	24 17	8 14	5 50
T 27	23 23	17 34	5 11	24 53	1 23	15 10	1 0	1 41	2 23	11 4	1 7	18 48	1 56	22 10	0 31	2 21	1 34	0 13	15 45	21 29	21 19	24 18	8 13	5 50
F 28	23 20	21 51	4 47	24 56	1 28	14 47	0 54	1 32	2 24	11 0	1 7	18 48	1 56	22 11	0 31	2 21	1 34	0 13	15 45	21 29	21 19	24 19	8 13	5 50
S 29	23 17	24 46	4 3	24 58	1 33	14 23	0 48	1 23	2 25	10 56	1 7	18 47	1 56	22 11	0 31	2 22	1 34	0 13	15 45	21 29	21 20	24 20	8 12	5 49
S 30	23 14	25 58	3 3	24 59	1 37	13 59	0 41	1 15	2 26	10 52	1 7	18 47	1 56	22 12	0 31	2 22	1 34	0 13	15 44	21 30	21 20	24 21	8 11	5 49
M31	23 s10	25n17	1n50	24 s58	1 s41	13 s35	0 s34	1n 7	2n27	10 s48	1 s 7	18n46	1 s55	22n12	0n31	2 s22	1n34	0 s13	15 s44	21 s30	21 s21	24 s22	8 s10	5n49

Julian Day Number = 2312356.5, Delta T = 67.57 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'18, Lahiri = 18°32'18Greg. Calendar