Astrodienst Ephemeris Tables

for the year 1658

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 1658
geocentric

JANUARY 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 43 10	10♑55'18	3♐32	4♑ 3	12♐25	23♈58	5°R 7	17♎23	17♑20	2♑29	17°R43	20♐37	19♐40	27♈39	26♐46	T 1
W 2	6 47 7	11°56'30	17°48	5°38	13°40	24°26	4♋59	17°25	17°24	2°31	17♊42	20°R37	19°36	27°46	26°53	W 2
T 3	6 51 3	12°57'41	1♑57	7°13	14°54	24°54	4°51	17°28	17°27	2°33	17°40	20°37	19°33	27°53	26°59	T 3
F 4	6 55 0	13°58'53	15°53	8°49	16° 9	25°22	4°43	17°30	17°31	2°36	17°39	20°36	19°30	28° 0	27° 5	F 4
S 5	6 58 57	15° 0'04	29°34	10°25	17°24	25°50	4°36	17°33	17°34	2°38	17°38	20°33	19°27	28° 6	27°12	S 5
S 6	7 2 53	16° 1'14	12♒55	12° 1	18°38	26°19	4°28	17°35	17°38	2°40	17°37	20°29	19°24	28°13	27°18	S 6
M 7	7 6 50	17° 2'25	25°57	13°38	19°53	26°47	4°20	17°37	17°41	2°42	17°36	20°24	19°21	28°20	27°24	M 7
T 8	7 10 46	18° 3'34	8♓38	15°16	21° 7	27°16	4°12	17°39	17°45	2°44	17°35	20°20	19°17	28°26	27°30	T 8
W 9	7 14 43	19° 4'43	21° 2	16°54	22°22	27°46	4° 5	17°41	17°48	2°47	17°34	20°16	19°14	28°33	27°37	W 9
T 10	7 18 39	20° 5'51	3♈11	18°32	23°37	28°15	3°57	17°43	17°52	2°49	17°33	20°13	19°11	28°40	27°43	T 10
F 11	7 22 36	21° 6'58	15° 9	20°11	24°51	28°45	3°50	17°44	17°55	2°51	17°32	20°12	19° 8	28°46	27°49	F 11
S 12	7 26 32	22° 8'05	27° 1	21°51	26° 6	29°14	3°42	17°46	17°59	2°53	17°31	20°D12	19° 5	28°53	27°55	S 12
S 13	7 30 29	23° 9'11	8♉51	23°31	27°21	29°44	3°35	17°47	18° 3	2°55	17°31	20°13	19° 2	29° 0	28° 1	S 13
M14	7 34 26	24°10'16	20°45	25°11	28°36	0♉14	3°28	17°49	18° 6	2°58	17°30	20°15	18°58	29° 6	28° 7	M14
T 15	7 38 22	25°11'20	2♊48	26°52	29°50	0°45	3°21	17°50	18°10	3° 0	17°29	20°16	18°55	29°13	28°13	T 15
W16	7 42 19	26°12'23	15° 4	28°34	1♑ 5	1°15	3°14	17°51	18°13	3° 2	17°28	20°R17	18°52	29°20	28°19	W16
T 17	7 46 15	27°13'25	27°37	0♒16	2°20	1°46	3° 7	17°52	18°17	3° 4	17°27	20°17	18°49	29°27	28°25	T 17
F 18	7 50 12	28°14'27	10♋28	1°59	3°34	2°17	3° 0	17°53	18°20	3° 6	17°26	20°15	18°46	29°33	28°31	F 18
S 19	7 54 8	29°15'28	23°38	3°42	4°49	2°48	2°54	17°54	18°24	3° 8	17°25	20°12	18°42	29°40	28°37	S 19
S 20	7 58 5	0♒16'27	7♌ 8	5°26	6° 4	3°19	2°47	17°55	18°27	3°10	17°24	20° 6	18°39	29°47	28°43	S 20
M21	8 2 2	1°17'26	20°54	7°10	7°19	3°50	2°41	17°55	18°31	3°12	17°24	19°59	18°36	29°53	28°49	M21
T 22	8 5 58	2°18'24	4♍53	8°54	8°33	4°21	2°35	17°56	18°34	3°14	17°23	19°52	18°33	0♉ 0	28°55	T 22
W23	8 9 55	3°19'21	19° 0	10°39	9°48	4°53	2°29	17°56	18°38	3°16	17°22	19°45	18°30	0° 7	29° 0	W23
T 24	8 13 51	4°20'18	3♎13	12°25	11° 3	5°25	2°23	17°56	18°41	3°18	17°21	19°40	18°27	0°13	29° 6	T 24
F 25	8 17 48	5°21'14	17°26	14°10	12°18	5°57	2°17	17°57	18°45	3°20	17°21	19°36	18°23	0°20	29°12	F 25
S 26	8 21 44	6°22'09	1♏37	15°56	13°32	6°28	2°11	17°R57	18°48	3°22	17°20	19°D35	18°20	0°27	29°17	S 26
S 27	8 25 41	7°23'03	15°43	17°41	14°47	7° 1	2° 6	17°57	18°51	3°24	17°19	19°35	18°17	0°33	29°23	S 27
M28	8 29 37	8°23'57	29°45	19°26	16° 2	7°33	2° 1	17°57	18°55	3°26	17°18	19°36	18°14	0°40	29°28	M28
T 29	8 33 34	9°24'50	13♐40	21°11	17°17	8° 5	1°56	17°56	18°58	3°28	17°18	19°R37	18°11	0°47	29°34	T 29
W30	8 37 31	10°25'42	27°29	22°56	18°32	8°38	1°51	17°56	19° 2	3°30	17°17	19°37	18° 8	0°54	29°39	W30
T 31	8 41 27	11♒26'33	11♑ 9	24♒39	19♑46	9♉10	1♋46	17♎56	19♑ 5	3♑32	17♊16	19♐35	18♐ 4	1♉ 0	29♐45	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	23 s 2	22 s25	1 s33	24 s44	1 s19	21 s11	1n 9	10n 5	0n49	23n22	0 s 1	4 s34	2n27	22 s47	0 s26	22 s26	1n 1	14n40	8 s17	23 s 9	23 s 5	14n27	17 s57	5n29
W 2	22 57	23 11	0 16	24 46	1 24	21 23	1 7	10 16	0 50	23 22	0 1	4 35	2 28	22 46	0 26	22 26	1 1	14 40	8 17	23 9	23 5	14 29	17 57	5 30
T 3	22 51	22 26	1n 2	24 46	1 29	21 34	1 4	10 27	0 51	23 23	0 1	4 36	2 28	22 46	0 26	22 26	1 1	14 40	8 17	23 9	23 4	14 30	17 57	5 30
F 4	22 45	20 18	2 15	24 45	1 33	21 44	1 2	10 38	0 52	23 23	0 1	4 36	2 28	22 45	0 26	22 26	1 1	14 40	8 16	23 9	23 4	14 32	17 57	5 30
S 5	22 38	17 3	3 18	24 42	1 38	21 54	0 59	10 50	0 53	23 24	0 1	4 37	2 28	22 45	0 26	22 26	1 1	14 40	8 16	23 9	23 4	14 34	17 57	5 30
S 6	22 31	12 59	4 9	24 38	1 42	22 3	0 57	11 1	0 54	23 24	0 1	4 37	2 29	22 45	0 26	22 26	1 1	14 40	8 16	23 8	23 4	14 36	17 57	5 30
M 7	22 24	8 25	4 45	24 32	1 45	22 12	0 54	11 12	0 55	23 24	0 0	4 38	2 29	22 44	0 26	22 26	1 1	14 40	8 16	23 8	23 3	14 38	17 57	5 31
T 8	22 16	3 36	5 7	24 25	1 49	22 20	0 52	11 24	0 56	23 25	0 0	4 38	2 29	22 44	0 26	22 26	1 1	14 40	8 16	23 8	23 3	14 40	17 57	5 31
W 9	22 7	1n14	5 13	24 16	1 52	22 27	0 49	11 35	0 57	23 25	0 0	4 39	2 30	22 43	0 26	22 26	1 1	14 40	8 16	23 8	23 3	14 42	17 56	5 31
T 10	21 59	5 56	5 5	24 6	1 55	22 33	0 46	11 47	0 58	23 25	0n 0	4 39	2 30	22 43	0 26	22 26	1 1	14 40	8 16	23 7	23 3	14 44	17 56	5 32
F 11	21 49	10 21	4 44	23 54	1 57	22 39	0 44	11 58	0 59	23 26	0 0	4 40	2 30	22 42	0 26	22 26	1 1	14 40	8 15	23 7	23 2	14 46	17 56	5 32
S 12	21 40	14 19	4 11	23 40	2 0	22 44	0 41	12 9	1 0	23 26	0 0	4 40	2 30	22 42	0 26	22 26	1 1	14 41	8 15	23 7	23 2	14 48	17 56	5 32
S 13	21 30	17 45	3 27	23 26	2 1	22 49	0 38	12 21	1 1	23 27	0 0	4 40	2 31	22 41	0 26	22 26	1 1	14 41	8 15	23 7	23 2	14 49	17 56	5 32
M14	21 19	20 27	2 34	23 9	2 3	22 53	0 36	12 32	1 2	23 27	0 1	4 41	2 31	22 41	0 26	22 26	1 1	14 41	8 15	23 7	23 1	14 51	17 56	5 33
T 15	21 8	22 18	1 34	22 51	2 4	22 56	0 33	12 44	1 2	23 27	0 1	4 41	2 31	22 40	0 26	22 26	1 1	14 41	8 15	23 8	23 1	14 53	17 55	5 33
W16	20 57	23 7	0 28	22 31	2 5	22 58	0 30	12 55	1 3	23 28	0 1	4 41	2 31	22 40	0 26	22 26	1 1	14 41	8 15	23 8	23 1	14 55	17 55	5 33
T 17	20 45	22 48	0 s40	22 10	2 5	23 0	0 28	13 6	1 4	23 28	0 1	4 41	2 32	22 39	0 26	22 26	1 1	14 41	8 15	23 8	23 1	14 57	17 55	5 34
F 18	20 33	21 17	1 48	21 47	2 5	23 1	0 25	13 18	1 5	23 28	0 1	4 41	2 32	22 39	0 26	22 26	1 1	14 41	8 14	23 7	23 0	14 59	17 55	5 34
S 19	20 21	18 36	2 51	21 22	2 4	23 2	0 22	13 29	1 5	23 28	0 1	4 41	2 32	22 38	0 26	22 25	1 1	14 41	8 14	23 7	23 0	15 1	17 54	5 34
S 20	20 8	14 52	3 47	20 56	2 3	23 1	0 19	13 41	1 6	23 29	0 1	4 41	2 33	22 38	0 26	22 25	1 1	14 41	8 14	23 7	23 0	15 2	17 54	5 35
M21	19 55	10 17	4 30	20 28	2 2	23 0	0 17	13 52	1 7	23 29	0 2	4 41	2 33	22 38	0 26	22 25	1 1	14 41	8 14	23 6	23 0	15 4	17 54	5 35
T 22	19 41	5 7	4 58	19 59	2 0	22 58	0 14	14 3	1 7	23 29	0 2	4 41	2 33	22 37	0 26	22 25	1 1	14 41	8 14	23 6	22 59	15 6	17 53	5 35
W23	19 27	0 s23	5 9	19 28	1 57	22 56	0 11	14 14	1 8	23 29	0 2	4 41	2 33	22 37	0 26	22 25	1 1	14 42	8 13	23 5	22 59	15 8	17 53	5 36
T 24	19 13	5 52	5 0	18 56	1 54	22 53	0 8	14 26	1 9	23 30	0 2	4 41	2 34	22 36	0 26	22 25	1 1	14 42	8 13	23 5	22 59	15 10	17 53	5 36
F 25	18 58	11 4	4 33	18 22	1 50	22 49	0 6	14 37	1 9	23 30	0 2	4 41	2 34	22 36	0 26	22 25	1 1	14 42	8 13	23 5	22 58	15 12	17 52	5 36
S 26	18 43	15 39	3 50	17 46	1 45	22 45	0 3	14 48	1 10	23 30	0 2	4 41	2 34	22 35	0 26	22 25	1 1	14 42	8 13	23 4	22 58	15 13	17 52	5 37
S 27	18 28	19 20	2 52	17 9	1 40	22 39	0 0	14 59	1 10	23 30	0 2	4 40	2 35	22 35	0 26	22 25	1 1	14 42	8 13	23 4	22 58	15 15	17 52	5 37
M28	18 12	21 51	1 45	16 31	1 35	22 33	0 s 2	15 10	1 11	23 31	0 3	4 40	2 35	22 34	0 26	22 25	1 1	14 42	8 13	23 5	22 58	15 17	17 51	5 38
T 29	17 56	23 1	0 32	15 51	1 28	22 27	0 5	15 21	1 12	23 31	0 3	4 40	2 35	22 34	0 26	22 25	1 1	14 42	8 12	23 5	22 57	15 19	17 51	5 38
W30	17 39	22 45	0n42	15 11	1 21	22 19	0 8	15 32	1 12	23 31	0 3	4 39	2 35	22 33	0 26	22 25	1 1	14 42	8 12	23 5	22 57	15 21	17 51	5 38
T 31	17 s23	21 s 8	1n53	14 s29	1 s13	22 s11	0 s10	15n43	1n13	23n31	0n 3	4 s39	2n36	22 s33	0 s26	22 s25	1n 1	14n43	8 s12	23 s 4	22 s57	15n23	17 s50	5n39

Julian Day Number = 2326632.5, Delta T = 37.76 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'00, Lahiri = 19°05'00Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

FEBRUARY 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 45 24	12♒27'23	24♑40	26♒22	21♑ 1	9♉43	1°R41	17°R55	19♑ 8	3♑34	17°R16	19°R30	18♐ 1	1♉ 7	29♐50	F 1
S 2	8 49 20	13°28'12	7♒59	28° 3	22°16	10°16	1♋37	17♎54	19°12	3°36	17♊15	19♐23	17°58	1°14	29°55	S 2
S 3	8 53 17	14°28'59	21° 5	29°42	23°31	10°49	1°33	17°54	19°15	3°38	17°15	19°14	17°55	1°20	0♑ 0	S 3
M 4	8 57 13	15°29'45	3♓56	1♓18	24°46	11°22	1°28	17°53	19°18	3°39	17°14	19° 3	17°52	1°27	0° 6	M 4
T 5	9 1 10	16°30'30	16°32	2°52	26° 0	11°55	1°25	17°52	19°22	3°41	17°14	18°52	17°48	1°34	0°11	T 5
W 6	9 5 6	17°31'13	28°52	4°23	27°15	12°28	1°21	17°51	19°25	3°43	17°13	18°42	17°45	1°40	0°16	W 6
T 7	9 9 3	18°31'54	11♈ 0	5°49	28°30	13° 1	1°17	17°49	19°28	3°45	17°13	18°33	17°42	1°47	0°21	T 7
F 8	9 13 0	19°32'34	22°57	7°11	29°45	13°35	1°14	17°48	19°31	3°47	17°12	18°27	17°39	1°54	0°26	F 8
S 9	9 16 56	20°33'12	4♉48	8°27	1♒ 0	14° 8	1°11	17°47	19°34	3°48	17°12	18°24	17°36	2° 0	0°31	S 9
S 10	9 20 53	21°33'49	16°37	9°37	2°14	14°42	1° 8	17°45	19°38	3°50	17°11	18°D22	17°33	2° 7	0°35	S 10
M11	9 24 49	22°34'24	28°30	10°41	3°29	15°15	1° 5	17°44	19°41	3°52	17°11	18°22	17°29	2°14	0°40	M11
T 12	9 28 46	23°34'57	10♊32	11°37	4°44	15°49	1° 3	17°42	19°44	3°53	17°10	18°23	17°26	2°20	0°45	T 12
W13	9 32 42	24°35'28	22°48	12°25	5°59	16°23	1° 0	17°40	19°47	3°55	17°10	18°R23	17°23	2°27	0°49	W13
T 14	9 36 39	25°35'58	5♋23	13° 4	7°13	16°57	0°58	17°38	19°50	3°56	17°10	18°21	17°20	2°34	0°54	T 14
F 15	9 40 35	26°36'25	18°20	13°34	8°28	17°31	0°56	17°36	19°53	3°58	17° 9	18°18	17°17	2°40	0°59	F 15
S 16	9 44 32	27°36'51	1♌43	13°54	9°43	18° 5	0°54	17°34	19°56	4° 0	17° 9	18°11	17°14	2°47	1° 3	S 16
S 17	9 48 29	28°37'15	15°31	14° 4	10°58	18°39	0°53	17°32	19°59	4° 1	17° 9	18° 3	17°10	2°54	1° 7	S 17
M18	9 52 25	29°37'37	29°40	14°R 5	12°12	19°13	0°51	17°30	20° 2	4° 3	17° 9	17°52	17° 7	3° 1	1°12	M18
T 19	9 56 22	0♓37'58	14♍ 7	13°55	13°27	19°48	0°50	17°28	20° 5	4° 4	17° 8	17°40	17° 4	3° 7	1°16	T 19
W20	10 0 18	1°38'16	28°44	13°36	14°42	20°22	0°49	17°25	20° 8	4° 5	17° 8	17°29	17° 1	3°14	1°20	W20
T 21	10 4 15	2°38'34	13♎24	13° 7	15°57	20°56	0°49	17°23	20°11	4° 7	17° 8	17°20	16°58	3°21	1°24	T 21
F 22	10 8 11	3°38'49	27°59	12°30	17°11	21°31	0°48	17°20	20°13	4° 8	17° 8	17°13	16°54	3°27	1°28	F 22
S 23	10 12 8	4°39'04	12♏24	11°46	18°26	22° 6	0°48	17°17	20°16	4°10	17° 8	17° 9	16°51	3°34	1°32	S 23
S 24	10 16 4	5°39'16	26°37	10°55	19°41	22°40	0°D47	17°14	20°19	4°11	17° 7	17° 8	16°48	3°41	1°36	S 24
M25	10 20 1	6°39'28	10♐35	9°59	20°55	23°15	0°47	17°12	20°22	4°12	17° 7	17° 8	16°45	3°47	1°40	M25
T 26	10 23 57	7°39'38	24°19	9° 0	22°10	23°49	0°48	17° 9	20°24	4°13	17° 7	17° 8	16°42	3°54	1°44	T 26
W27	10 27 54	8°39'46	7♑49	7°59	23°25	24°24	0°48	17° 6	20°27	4°15	17° 7	17° 6	16°39	4° 1	1°47	W27
T 28	10 31 51	9♓39'53	21♑ 8	6♓57	24♒40	24♉59	0♋49	17♎ 2	20♑30	4♑16	17♊ 7	17♐ 3	16♐35	4♉ 7	1♑51	T 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
F 1	17s 6	18s20	2n57	13s46	1s 5	22s 3	0s13	15n54	1n13	23n31	0n 3	4s38	2n36	22s32	0s26	22s25	1n 1	14n43	8s12	23s 4	22s57	15n24	17s50	5n39
S 2	16 49	14 36	3 50	13 3	0 56	21 54	0 15	16 5	1 14	23 32	0 3	4 38	2 36	22 32	0 26	22 25	1 1	14 43	8 12	23 3	22 56	15 26	17 49	5 40
S 3	16 31	10 15	4 29	12 19	0 46	21 44	0 18	16 16	1 14	23 32	0 3	4 37	2 36	22 32	0 26	22 25	1 1	14 43	8 11	23 3	22 56	15 28	17 49	5 40
M 4	16 13	5 31	4 54	11 34	0 35	21 33	0 20	16 27	1 15	23 32	0 3	4 37	2 37	22 31	0 26	22 25	1 1	14 43	8 11	23 2	22 56	15 30	17 48	5 41
T 5	15 55	0 39	5 4	10 50	0 23	21 22	0 23	16 38	1 15	23 32	0 4	4 36	2 37	22 31	0 26	22 24	1 1	14 43	8 11	23 1	22 55	15 31	17 48	5 41
W 6	15 37	4n 8	5 0	10 5	0 11	21 10	0 25	16 48	1 16	23 32	0 4	4 35	2 37	22 30	0 26	22 24	1 2	14 43	8 11	23 0	22 55	15 33	17 48	5 41
T 7	15 18	8 41	4 42	9 22	0n 2	20 57	0 28	16 59	1 16	23 32	0 4	4 35	2 38	22 30	0 26	22 24	1 2	14 44	8 11	22 59	22 55	15 35	17 47	5 42
F 8	14 59	12 50	4 12	8 39	0 16	20 44	0 30	17 9	1 16	23 33	0 4	4 34	2 38	22 29	0 26	22 24	1 2	14 44	8 10	22 59	22 55	15 37	17 47	5 42
S 9	14 40	16 27	3 31	7 57	0 30	20 30	0 33	17 20	1 17	23 33	0 4	4 33	2 38	22 29	0 26	22 24	1 2	14 44	8 10	22 59	22 54	15 39	17 46	5 43
S 10	14 21	19 24	2 41	7 17	0 45	20 16	0 35	17 30	1 17	23 33	0 4	4 32	2 38	22 28	0 26	22 24	1 2	14 44	8 10	22 58	22 54	15 40	17 46	5 43
M11	14 1	21 33	1 44	6 39	1 0	20 1	0 37	17 41	1 18	23 33	0 4	4 32	2 39	22 28	0 26	22 24	1 2	14 44	8 10	22 58	22 54	15 42	17 45	5 44
T 12	13 41	22 45	0 42	6 3	1 16	19 45	0 40	17 51	1 18	23 33	0 4	4 31	2 39	22 28	0 26	22 24	1 2	14 44	8 10	22 58	22 53	15 44	17 45	5 44
W13	13 21	22 54	0s24	5 31	1 31	19 29	0 42	18 1	1 18	23 33	0 5	4 30	2 39	22 27	0 26	22 24	1 2	14 45	8 9	22 58	22 53	15 46	17 44	5 45
T 14	13 1	21 53	1 29	5 1	1 47	19 13	0 44	18 11	1 19	23 33	0 5	4 29	2 39	22 27	0 26	22 24	1 2	14 45	8 9	22 58	22 53	15 47	17 44	5 45
F 15	12 40	19 43	2 32	4 35	2 2	18 55	0 46	18 21	1 19	23 34	0 5	4 28	2 40	22 26	0 26	22 24	1 2	14 45	8 9	22 58	22 52	15 49	17 43	5 46
S 16	12 19	16 25	3 29	4 13	2 18	18 37	0 48	18 31	1 19	23 34	0 5	4 27	2 40	22 26	0 26	22 24	1 2	14 45	8 9	22 57	22 52	15 51	17 42	5 46
S 17	11 59	12 9	4 15	3 56	2 32	18 19	0 50	18 41	1 20	23 34	0 5	4 26	2 40	22 25	0 26	22 24	1 2	14 45	8 8	22 57	22 52	15 53	17 42	5 47
M18	11 37	7 8	4 47	3 43	2 46	18 0	0 52	18 51	1 20	23 34	0 5	4 25	2 40	22 25	0 26	22 24	1 2	14 46	8 8	22 56	22 52	15 54	17 41	5 47
T 19	11 16	1 38	5 1	3 35	2 59	17 41	0 54	19 0	1 20	23 34	0 5	4 24	2 41	22 25	0 26	22 24	1 2	14 46	8 8	22 55	22 51	15 56	17 41	5 48
W20	10 55	4s 1	4 56	3 32	3 11	17 21	0 56	19 10	1 21	23 34	0 5	4 22	2 41	22 24	0 26	22 23	1 2	14 46	8 8	22 54	22 51	15 58	17 40	5 48
T 21	10 33	9 27	4 31	3 33	3 21	17 1	0 58	19 19	1 21	23 34	0 5	4 21	2 41	22 24	0 26	22 23	1 2	14 46	8 8	22 53	22 51	15 59	17 40	5 49
F 22	10 11	14 20	3 49	3 39	3 29	16 40	1 0	19 29	1 21	23 34	0 6	4 20	2 41	22 23	0 26	22 23	1 2	14 46	8 7	22 52	22 50	16 1	17 39	5 49
S 23	9 49	18 20	2 53	3 50	3 36	16 18	1 2	19 38	1 21	23 35	0 6	4 19	2 41	22 23	0 26	22 23	1 2	14 47	8 7	22 52	22 50	16 3	17 38	5 50
S 24	9 27	21 9	1 46	4 5	3 41	15 57	1 3	19 47	1 22	23 35	0 6	4 18	2 42	22 23	0 26	22 23	1 2	14 47	8 7	22 52	22 50	16 4	17 38	5 51
M25	9 5	22 39	0 35	4 24	3 43	15 34	1 5	19 56	1 22	23 35	0 6	4 16	2 42	22 22	0 26	22 23	1 2	14 47	8 7	22 52	22 49	16 6	17 37	5 51
T 26	8 43	22 44	0n38	4 45	3 43	15 12	1 7	20 5	1 22	23 35	0 6	4 15	2 42	22 22	0 26	22 23	1 2	14 47	8 6	22 52	22 49	16 8	17 37	5 52
W27	8 20	21 28	1 47	5 10	3 42	14 49	1 8	20 14	1 22	23 35	0 6	4 14	2 42	22 21	0 26	22 23	1 2	14 47	8 6	22 51	22 49	16 10	17 36	5 52
T 28	7s58	19s 2	2n49	5s36	3n38	14s25	1s10	20n23	1n23	23n35	0n 6	4s12	2n43	22s21	0s26	22s23	1n 2	14n48	8s 6	22s51	22s48	16n11	17s35	5n53

Julian Day Number = 2326663.5, Delta T = 37.70 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'04, Lahiri = 19°05'05Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

MARCH 1658 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 35 47	10♓39'58	4♒15	5°R55	25♒54	25♉34	0♋49	16°R59	20♑32	4♑17	17°D 7	16°R56	16♐32	4♉14	1♑54	F 1
S 2	10 39 44	11°40'01	17°11	4♓56	27° 9	26° 9	0°50	16♎56	20°35	4°18	17♊ 7	16♐47	16°29	4°21	1°58	S 2
S 3	10 43 40	12°40'02	29°57	4° 1	28°24	26°44	0°52	16°53	20°37	4°19	17° 7	16°34	16°26	4°27	2° 1	S 3
M 4	10 47 37	13°40'02	12♓31	3° 9	29°38	27°19	0°53	16°49	20°40	4°20	17° 7	16°21	16°23	4°34	2° 5	M 4
T 5	10 51 33	14°39'59	24°54	2°23	0♓53	27°54	0°55	16°46	20°42	4°21	17° 7	16° 6	16°19	4°41	2° 8	T 5
W 6	10 55 30	15°39'55	7♈ 6	1°42	2° 8	28°29	0°56	16°42	20°45	4°23	17° 7	15°53	16°16	4°47	2°11	W 6
T 7	10 59 26	16°39'49	19° 8	1° 7	3°22	29° 4	0°58	16°38	20°47	4°24	17° 7	15°41	16°13	4°54	2°14	T 7
F 8	11 3 23	17°39'40	1♉ 3	0°39	4°37	29°40	1° 0	16°35	20°49	4°24	17° 8	15°32	16°10	5° 1	2°17	F 8
S 9	11 7 20	18°39'29	12°52	0°17	5°51	0♊15	1° 3	16°31	20°52	4°25	17° 8	15°26	16° 7	5° 7	2°20	S 9
S 10	11 11 16	19°39'17	24°39	0° 2	7° 6	0°50	1° 5	16°27	20°54	4°26	17° 8	15°22	16° 4	5°14	2°23	S 10
M11	11 15 13	20°39'02	6♊30	29♒53	8°21	1°26	1° 8	16°23	20°56	4°27	17° 8	15°21	16° 0	5°21	2°25	M11
T 12	11 19 9	21°38'44	18°30	29°D50	9°35	2° 1	1°11	16°19	20°58	4°28	17° 8	15°21	15°57	5°28	2°28	T 12
W13	11 23 6	22°38'25	0♋43	29°53	10°50	2°37	1°14	16°15	21° 0	4°29	17° 9	15°20	15°54	5°34	2°31	W13
T 14	11 27 2	23°38'03	13°15	0♓ 2	12° 4	3°12	1°17	16°11	21° 3	4°30	17° 9	15°19	15°51	5°41	2°33	T 14
F 15	11 30 59	24°37'39	26°12	0°17	13°19	3°48	1°21	16° 7	21° 5	4°30	17° 9	15°16	15°48	5°48	2°36	F 15
S 16	11 34 55	25°37'12	9♌36	0°37	14°33	4°23	1°24	16° 3	21° 7	4°31	17°10	15°10	15°45	5°54	2°38	S 16
S 17	11 38 52	26°36'43	23°29	1° 1	15°48	4°59	1°28	15°59	21° 9	4°32	17°10	15° 2	15°41	6° 1	2°40	S 17
M18	11 42 49	27°36'12	7♍50	1°31	17° 2	5°34	1°32	15°55	21°10	4°32	17°10	14°51	15°38	6° 8	2°42	M18
T 19	11 46 45	28°35'39	22°33	2° 4	18°17	6°10	1°36	15°50	21°12	4°33	17°11	14°40	15°35	6°14	2°44	T 19
W20	11 50 42	29°35'04	7♎31	2°42	19°31	6°46	1°41	15°46	21°14	4°34	17°11	14°29	15°32	6°21	2°46	W20
T 21	11 54 38	0♈34'27	22°35	3°24	20°46	7°22	1°45	15°42	21°16	4°34	17°11	14°20	15°29	6°28	2°48	T 21
F 22	11 58 35	1°33'47	7♏34	4° 9	22° 0	7°57	1°50	15°37	21°18	4°35	17°12	14°13	15°25	6°34	2°50	F 22
S 23	12 2 31	2°33'06	22°21	4°58	23°15	8°33	1°55	15°33	21°19	4°35	17°12	14° 9	15°22	6°41	2°52	S 23
S 24	12 6 28	3°32'24	6♐49	5°50	24°29	9° 9	2° 0	15°28	21°21	4°36	17°13	14° 7	15°19	6°48	2°53	S 24
M25	12 10 24	4°31'39	20°57	6°46	25°44	9°45	2° 5	15°24	21°23	4°36	17°13	14°D 7	15°16	6°54	2°55	M25
T 26	12 14 21	5°30'53	4♑43	7°44	26°58	10°21	2°10	15°19	21°24	4°36	17°14	14°R 8	15°13	7° 1	2°56	T 26
W27	12 18 18	6°30'05	18°10	8°45	28°12	10°56	2°16	15°15	21°26	4°37	17°14	14° 7	15°10	7° 8	2°58	W27
T 28	12 22 14	7°29'15	1♒18	9°48	29°27	11°32	2°21	15°10	21°27	4°37	17°15	14° 5	15° 6	7°14	2°59	T 28
F 29	12 26 11	8°28'23	14°11	10°54	0♈41	12° 8	2°27	15° 6	21°28	4°37	17°16	14° 0	15° 3	7°21	3° 0	F 29
S 30	12 30 7	9°27'30	26°50	12° 3	1°56	12°44	2°33	15° 1	21°30	4°38	17°16	13°52	15° 0	7°28	3° 1	S 30
S 31	12 34 4	10♈26'34	9♓18	13♓14	3♈10	13♊20	2♋39	14♎56	21♑31	4♑38	17♊17	13♐42	14♐57	7♉34	3♑ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	7s35	15s39	3n41	6s 4	3n32	14s 1	1s11	20n32	1n23	23n35	0n 6	4s11	2n43	22s21	0s26	22s23	1n 2	14n48	8s 6	22s50	22s48	16n13	17s35	5n53	F 1
S 2	7 12	11 34	4 21	6 33	3 24	13 37	1 12	20 40	1 23	23 35	0 6	4 9	2 43	22 20	0 26	22 23	1 2	14 48	8 6	22 49	22 48	16 15	17 34	5 54	S 2
S 3	6 49	7 1	4 47	7 2	3 15	13 12	1 14	20 49	1 23	23 35	0 7	4 8	2 43	22 20	0 26	22 23	1 2	14 48	8 5	22 48	22 47	16 16	17 34	5 55	S 3
M 4	6 26	2 16	4 59	7 30	3 4	12 47	1 15	20 57	1 23	23 35	0 7	4 6	2 43	22 20	0 26	22 23	1 2	14 49	8 5	22 47	22 47	16 18	17 33	5 55	M 4
T 5	6 3	2n30	4 56	7 58	2 52	12 22	1 16	21 5	1 24	23 36	0 7	4 5	2 43	22 19	0 27	22 23	1 2	14 49	8 5	22 45	22 47	16 20	17 32	5 56	T 5
W 6	5 40	7 6	4 40	8 25	2 39	11 56	1 17	21 13	1 24	23 36	0 7	4 3	2 44	22 19	0 27	22 23	1 2	14 49	8 5	22 44	22 46	16 21	17 32	5 56	W 6
T 7	5 16	11 22	4 11	8 49	2 26	11 30	1 18	21 21	1 24	23 36	0 7	4 2	2 44	22 19	0 27	22 23	1 2	14 49	8 4	22 43	22 46	16 23	17 31	5 57	T 7
F 8	4 53	15 9	3 31	9 13	2 12	11 4	1 20	21 29	1 24	23 36	0 7	4 0	2 44	22 18	0 27	22 23	1 2	14 49	8 4	22 42	22 46	16 25	17 30	5 58	F 8
S 9	4 30	18 19	2 43	9 34	1 57	10 38	1 20	21 37	1 24	23 36	0 7	3 59	2 44	22 18	0 27	22 22	1 2	14 50	8 4	22 41	22 45	16 26	17 30	5 58	S 9
S 10	4 6	20 42	1 47	9 53	1 43	10 11	1 21	21 44	1 24	23 36	0 7	3 57	2 44	22 18	0 27	22 22	1 2	14 50	8 4	22 41	22 45	16 28	17 29	5 59	S 10
M11	3 43	22 12	0 47	10 10	1 28	9 44	1 22	21 52	1 24	23 36	0 7	3 55	2 44	22 17	0 27	22 22	1 2	14 50	8 4	22 41	22 45	16 29	17 28	5 59	M11
T 12	3 19	22 42	0s17	10 24	1 13	9 16	1 23	21 59	1 25	23 36	0 7	3 54	2 45	22 17	0 27	22 22	1 2	14 50	8 3	22 41	22 44	16 31	17 28	6 0	T 12
W13	2 56	22 8	1 21	10 37	0 59	8 49	1 24	22 6	1 25	23 36	0 8	3 52	2 45	22 17	0 27	22 22	1 2	14 51	8 3	22 41	22 44	16 33	17 27	6 1	W13
T 14	2 32	20 28	2 22	10 47	0 45	8 21	1 24	22 13	1 25	23 36	0 8	3 50	2 45	22 16	0 27	22 22	1 2	14 51	8 3	22 40	22 44	16 34	17 26	6 1	T 14
F 15	2 8	17 42	3 18	10 55	0 31	7 53	1 25	22 20	1 25	23 36	0 8	3 49	2 45	22 16	0 27	22 22	1 2	14 51	8 3	22 40	22 43	16 36	17 26	6 2	F 15
S 16	1 45	13 56	4 6	11 0	0 18	7 24	1 25	22 27	1 25	23 36	0 8	3 47	2 45	22 16	0 27	22 22	1 2	14 51	8 2	22 39	22 43	16 38	17 25	6 2	S 16
S 17	1 21	9 18	4 41	11 4	0 5	6 56	1 26	22 34	1 25	23 36	0 8	3 45	2 45	22 16	0 27	22 22	1 2	14 52	8 2	22 38	22 43	16 39	17 24	6 3	S 17
M18	0 57	4 1	4 59	11 5	0s 8	6 27	1 26	22 40	1 25	23 36	0 8	3 44	2 45	22 15	0 27	22 22	1 2	14 52	8 2	22 37	22 42	16 41	17 24	6 4	M18
T 19	0 34	1s36	4 58	11 4	0 20	5 58	1 27	22 47	1 25	23 36	0 8	3 42	2 46	22 15	0 27	22 22	1 2	14 52	8 2	22 36	22 42	16 42	17 23	6 4	T 19
W20	0 10	7 14	4 38	11 1	0 32	5 29	1 27	22 53	1 25	23 37	0 8	3 40	2 46	22 15	0 27	22 22	1 2	14 52	8 2	22 35	22 42	16 44	17 22	6 5	W20
T 21	0n14	12 28	3 57	10 57	0 43	5 0	1 27	22 59	1 26	23 37	0 8	3 38	2 46	22 15	0 27	22 22	1 2	14 53	8 1	22 34	22 41	16 45	17 22	6 6	T 21
F 22	0 37	16 55	3 1	10 50	0 53	4 31	1 27	23 5	1 26	23 37	0 8	3 37	2 46	22 14	0 27	22 22	1 2	14 53	8 1	22 33	22 41	16 47	17 21	6 6	F 22
S 23	1 1	20 12	1 53	10 41	1 4	4 1	1 27	23 11	1 26	23 37	0 8	3 35	2 46	22 14	0 27	22 22	1 2	14 53	8 1	22 32	22 41	16 49	17 20	6 7	S 23
S 24	1 25	22 7	0 39	10 31	1 13	3 32	1 27	23 16	1 26	23 37	0 9	3 33	2 46	22 14	0 27	22 22	1 3	14 53	8 1	22 32	22 40	16 50	17 20	6 8	S 24
M25	1 48	22 34	0n36	10 19	1 22	3 2	1 27	23 22	1 26	23 37	0 9	3 31	2 46	22 14	0 27	22 22	1 3	14 54	8 0	22 32	22 40	16 52	17 19	6 8	M25
T 26	2 12	21 37	1 47	10 5	1 31	2 32	1 27	23 27	1 26	23 37	0 9	3 29	2 46	22 13	0 27	22 22	1 3	14 54	8 0	22 32	22 40	16 53	17 18	6 9	T 26
W27	2 35	19 26	2 51	9 50	1 38	2 3	1 27	23 33	1 26	23 37	0 9	3 28	2 46	22 13	0 27	22 22	1 3	14 54	8 0	22 32	22 39	16 55	17 18	6 10	W27
T 28	2 59	16 16	3 43	9 32	1 46	1 33	1 27	23 38	1 26	23 37	0 9	3 26	2 46	22 13	0 27	22 22	1 3	14 55	8 0	22 32	22 39	16 56	17 17	6 10	T 28
F 29	3 22	12 24	4 24	9 14	1 53	1 3	1 26	23 42	1 26	23 37	0 9	3 24	2 46	22 13	0 27	22 22	1 3	14 55	8 0	22 31	22 39	16 58	17 16	6 11	F 29
S 30	3 45	8 3	4 50	8 53	1 59	0 33	1 26	23 47	1 26	23 37	0 9	3 22	2 46	22 13	0 27	22 21	1 3	14 55	7 59	22 30	22 38	17 0	17 16	6 11	S 30
S 31	4n 9	3s25	5n 2	8s31	2s 5	0s 3	1s25	23n52	1n26	23n37	0n 9	3s20	2n46	22s12	0s27	22s21	1n 3	14n55	7s59	22s29	22s38	17n 1	17s15	6n12	S 31

Julian Day Number = 2326691.5, Delta T = 37.64 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'08, Lahiri = 19°05'08Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

APRIL 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 38 0	11♈25'37	21♓36	14♓27	4♈24	13♊56	2♋46	14°R52	21♑32	4♑38	17♊18	13°R31	14♐54	7♑41	3♑ 3	M 1
T 2	12 41 57	12°24'38	3♈46	15°42	5°39	14°32	2°52	14♎47	21°34	4°38	17°18	13♐19	14°51	7°48	3° 4	T 2
W 3	12 45 53	13°23'36	15°48	16°59	6°53	15° 8	2°59	14°43	21°35	4°38	17°19	13° 8	14°47	7°54	3° 5	W 3
T 4	12 49 50	14°22'33	27°43	18°18	8° 7	15°45	3° 5	14°38	21°36	4°38	17°20	12°58	14°44	8° 1	3° 6	T 4
F 5	12 53 46	15°21'28	9♉33	19°39	9°22	16°21	3°12	14°33	21°37	4°38	17°20	12°51	14°41	8° 8	3° 6	F 5
S 6	12 57 43	16°20'20	21°21	21° 2	10°36	16°57	3°19	14°29	21°38	4°R38	17°21	12°46	14°38	8°14	3° 7	S 6
S 7	13 1 40	17°19'10	3♊ 9	22°26	11°50	17°33	3°26	14°24	21°39	4°38	17°22	12°43	14°35	8°21	3° 7	S 7
M 8	13 5 36	18°17'59	15° 0	23°53	13° 4	18° 9	3°34	14°19	21°40	4°38	17°23	12°D43	14°31	8°28	3° 7	M 8
T 9	13 9 33	19°16'45	26°59	25°21	14°19	18°45	3°41	14°15	21°41	4°38	17°24	12°43	14°28	8°34	3° 7	T 9
W10	13 13 29	20°15'28	9♋11	26°51	15°33	19°22	3°49	14°10	21°42	4°38	17°24	12°44	14°25	8°41	3° 8	W10
T 11	13 17 26	21°14'10	21°41	28°22	16°47	19°58	3°56	14° 6	21°42	4°38	17°25	12°R45	14°22	8°48	3°R 8	T 11
F 12	13 21 22	22°12'49	4♌34	29°56	18° 1	20°34	4° 4	14° 1	21°43	4°38	17°26	12°44	14°19	8°54	3° 8	F 12
S 13	13 25 19	23°11'26	17°53	1♈31	19°15	21°10	4°12	13°57	21°44	4°38	17°27	12°41	14°16	9° 1	3° 7	S 13
S 14	13 29 15	24°10'01	1♍41	3° 7	20°30	21°47	4°20	13°52	21°44	4°37	17°28	12°37	14°12	9° 8	3° 7	S 14
M15	13 33 12	25° 8'33	15°59	4°46	21°44	22°23	4°29	13°48	21°45	4°37	17°29	12°31	14° 9	9°14	3° 7	M15
T 16	13 37 9	26° 7'04	0♎42	6°26	22°58	22°59	4°37	13°43	21°46	4°37	17°30	12°24	14° 6	9°21	3° 6	T 16
W17	13 41 5	27° 5'32	15°45	8° 7	24°12	23°36	4°45	13°39	21°46	4°36	17°31	12°17	14° 3	9°28	3° 6	W17
T 18	13 45 2	28° 3'58	0♏59	9°51	25°26	24°12	4°54	13°34	21°46	4°36	17°32	12°11	14° 0	9°34	3° 5	T 18
F 19	13 48 58	29° 2'23	16°13	11°36	26°40	24°48	5° 3	13°30	21°47	4°36	17°33	12° 7	13°56	9°41	3° 5	F 19
S 20	13 52 55	0♑ 0'46	1♐17	13°23	27°54	25°25	5°12	13°25	21°47	4°35	17°34	12° 4	13°53	9°48	3° 4	S 20
S 21	13 56 51	0°59'07	16° 3	15°11	29° 8	26° 1	5°20	13°21	21°47	4°35	17°35	12°D 4	13°50	9°54	3° 3	S 21
M22	14 0 48	1°57'26	0♑26	17° 1	0♑22	26°38	5°30	13°17	21°48	4°34	17°36	12° 5	13°47	10° 1	3° 2	M22
T 23	14 4 44	2°55'44	14°23	18°53	1°37	27°14	5°39	13°13	21°48	4°34	17°37	12° 6	13°44	10° 8	3° 1	T 23
W24	14 8 41	3°54'01	27°55	20°47	2°51	27°50	5°48	13° 8	21°48	4°33	17°38	12°R 7	13°41	10°14	3° 0	W24
T 25	14 12 38	4°52'16	11♒ 4	22°42	4° 5	28°27	5°57	13° 4	21°48	4°32	17°39	12° 7	13°37	10°21	2°59	T 25
F 26	14 16 34	5°50'29	23°53	24°39	5°19	29° 3	6° 7	13° 0	21°R48	4°32	17°40	12° 6	13°34	10°28	2°58	F 26
S 27	14 20 31	6°48'41	6♓25	26°38	6°33	29°40	6°16	12°56	21°48	4°31	17°41	12° 3	13°31	10°34	2°56	S 27
S 28	14 24 27	7°46'51	18°43	28°38	7°47	0♋16	6°26	12°52	21°48	4°31	17°42	11°58	13°28	10°41	2°55	S 28
M29	14 28 24	8°45'00	0♈50	0♑40	9° 1	0°53	6°36	12°48	21°48	4°30	17°43	11°53	13°25	10°48	2°53	M29
T 30	14 32 20	9♑43'07	12♈50	2♑43	10♑15	1♋29	6♋46	12♎44	21♑48	4♑29	17♊44	11♐47	13♐22	10♑54	2♑52	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	4n32	1n16	5n 0	8s 8	2s10	0n27	1s25	23n56	1n26	23n36	0n 9	3s18	2n46	22s12	0s27	22s21	1n 3	14n56	7s59	22s28	22s38	17n 3	17s14	6n13	
T 2	4 55	5 51	4 44	7 43	2 15	0 57	1 24	24 1	1 26	23 36	0 9	3 17	2 47	22 12	0 27	22 21	1 3	14 56	7 59	22 26	22 37	17 4	17 14	6 13	
W 3	5 18	10 10	4 16	7 17	2 19	1 27	1 24	24 5	1 26	23 36	0 9	3 15	2 47	22 12	0 27	22 21	1 3	14 56	7 59	22 25	22 37	17 6	17 13	6 14	
T 4	5 41	14 3	3 37	6 50	2 23	1 57	1 23	24 9	1 26	23 36	0 9	3 13	2 47	22 12	0 27	22 21	1 3	14 56	7 58	22 24	22 36	17 7	17 12	6 15	
F 5	6 3	17 21	2 48	6 21	2 26	2 27	1 22	24 12	1 26	23 36	0 10	3 11	2 47	22 12	0 27	22 21	1 3	14 57	7 58	22 23	22 36	17 9	17 12	6 15	
S 6	6 26	19 56	1 52	5 51	2 29	2 57	1 21	24 16	1 26	23 36	0 10	3 9	2 47	22 12	0 27	22 21	1 3	14 57	7 58	22 22	22 36	17 10	17 11	6 16	
S 7	6 49	21 40	0 51	5 19	2 31	3 27	1 20	24 20	1 26	23 36	0 10	3 8	2 47	22 11	0 27	22 21	1 3	14 57	7 58	22 22	22 35	17 12	17 10	6 17	
M 8	7 11	22 26	0s12	4 46	2 33	3 57	1 20	24 23	1 26	23 36	0 10	3 6	2 47	22 11	0 27	22 21	1 3	14 57	7 58	22 22	22 35	17 13	17 10	6 17	
T 9	7 34	22 11	1 16	4 12	2 34	4 27	1 19	24 26	1 26	23 36	0 10	3 4	2 47	22 11	0 28	22 21	1 3	14 58	7 57	22 22	22 35	17 15	17 9	6 18	
W10	7 56	20 52	2 18	3 37	2 34	4 56	1 18	24 29	1 26	23 36	0 10	3 2	2 47	22 11	0 28	22 21	1 3	14 58	7 57	22 22	22 34	17 16	17 8	6 19	
T 11	8 18	18 32	3 14	3 0	2 34	5 26	1 16	24 32	1 26	23 36	0 10	3 1	2 47	22 11	0 28	22 21	1 3	14 58	7 57	22 22	22 34	17 18	17 8	6 19	
F 12	8 40	15 13	4 3	2 23	2 34	5 55	1 15	24 35	1 26	23 35	0 10	2 59	2 46	22 11	0 28	22 21	1 3	14 59	7 57	22 22	22 34	17 19	17 7	6 20	
S 13	9 2	11 3	4 40	1 44	2 33	6 25	1 14	24 37	1 26	23 35	0 10	2 57	2 46	22 11	0 28	22 21	1 3	14 59	7 57	22 22	22 33	17 21	17 6	6 21	
S 14	9 23	6 11	5 3	1 4	2 31	6 54	1 13	24 39	1 26	23 35	0 10	2 55	2 46	22 11	0 28	22 21	1 3	14 59	7 56	22 21	22 33	17 22	17 6	6 21	
M15	9 45	0 49	5 8	0 23	2 29	7 23	1 11	24 42	1 26	23 35	0 10	2 54	2 46	22 11	0 28	22 21	1 3	14 59	7 56	22 20	22 32	17 24	17 5	6 22	
T 16	10 6	4s45	4 53	0n19	2 27	7 52	1 10	24 43	1 26	23 35	0 10	2 52	2 46	22 11	0 28	22 21	1 3	15 0	7 56	22 19	22 32	17 25	17 4	6 22	
W17	10 27	10 10	4 18	1 2	2 24	8 20	1 9	24 45	1 26	23 34	0 11	2 50	2 46	22 11	0 28	22 21	1 3	15 0	7 56	22 18	22 32	17 27	17 4	6 23	
T 18	10 48	15 1	3 24	1 46	2 20	8 49	1 7	24 47	1 26	23 34	0 11	2 49	2 46	22 11	0 28	22 21	1 3	15 0	7 56	22 18	22 31	17 28	17 3	6 24	
F 19	11 9	18 53	2 16	2 30	2 16	9 17	1 6	24 48	1 26	23 34	0 11	2 47	2 46	22 11	0 28	22 21	1 3	15 0	7 56	22 17	22 31	17 29	17 3	6 24	
S 20	11 30	21 24	0 58	3 16	2 11	9 45	1 4	24 50	1 26	23 34	0 11	2 45	2 46	22 11	0 28	22 21	1 3	15 1	7 55	22 17	22 31	17 31	17 2	6 25	
S 21	11 50	22 24	0n22	4 3	2 6	10 13	1 2	24 51	1 26	23 33	0 11	2 44	2 46	22 11	0 28	22 21	1 3	15 1	7 55	22 17	22 30	17 32	17 1	6 26	
M22	12 11	21 51	1 38	4 50	2 1	10 41	1 1	24 52	1 25	23 33	0 11	2 42	2 46	22 11	0 28	22 21	1 3	15 1	7 55	22 17	22 30	17 34	17 1	6 26	
T 23	12 31	19 57	2 47	5 39	1 55	11 8	0 59	24 53	1 25	23 33	0 11	2 41	2 46	22 11	0 28	22 21	1 3	15 1	7 55	22 17	22 29	17 35	17 0	6 27	
W24	12 50	16 58	3 44	6 28	1 48	11 35	0 57	24 53	1 25	23 32	0 11	2 39	2 46	22 11	0 28	22 21	1 3	15 2	7 55	22 17	22 29	17 37	17 0	6 28	
T 25	13 10	13 12	4 27	7 17	1 41	12 2	0 55	24 54	1 25	23 32	0 11	2 38	2 46	22 11	0 28	22 21	1 3	15 2	7 54	22 17	22 29	17 38	16 59	6 28	
F 26	13 30	8 55	4 56	8 7	1 33	12 28	0 54	24 54	1 25	23 32	0 11	2 36	2 46	22 11	0 28	22 21	1 3	15 2	7 54	22 17	22 28	17 39	16 58	6 29	
S 27	13 49	4 22	5 10	8 58	1 25	12 55	0 52	24 54	1 25	23 31	0 11	2 35	2 45	22 11	0 28	22 21	1 3	15 2	7 54	22 17	22 28	17 41	16 58	6 29	
S 28	14 8	0n16	5 9	9 49	1 17	13 21	0 50	24 54	1 25	23 31	0 11	2 33	2 45	22 11	0 28	22 21	1 3	15 3	7 54	22 16	22 27	17 42	16 57	6 30	
M29	14 27	4 50	4 55	10 40	1 8	13 46	0 48	24 54	1 25	23 31	0 11	2 32	2 45	22 11	0 28	22 21	1 3	15 3	7 54	22 15	22 27	17 44	16 57	6 31	
T 30	14n45	9n11	4n27	11n31	0s59	14n12	0s46	24n53	1n25	23n30	0n12	2s30	2n45	22s11	0s28	22s21	1n 3	15n 3	7s54	22s14	22s27	17n45	16s56	6n31	

Julian Day Number = 2326722.5, Delta T = 37.59 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'12, Lahiri = 19°05'13Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

MAY 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 36 17	10♉41'13	24♈43	4♉48	11♉29	2♋ 6	6♋56	12°R41	21°R47	4°R28	17♊45	11°R41	13♐18	11♉ 1	2°R50	W 1
T 2	14 40 13	11°39'17	6♉33	6°55	12°43	2°42	7° 6	12♎37	21♑47	4♑28	17°47	11♐37	13°15	11° 8	2♑48	T 2
F 3	14 44 10	12°37'20	18°21	9° 2	13°57	3°19	7°16	12°33	21°47	4°27	17°48	11°33	13°12	11°14	2°47	F 3
S 4	14 48 7	13°35'21	0♊10	11°11	15°10	3°56	7°26	12°29	21°46	4°26	17°49	11°31	13° 9	11°21	2°45	S 4
S 5	14 52 3	14°33'20	12° 1	13°20	16°24	4°32	7°37	12°26	21°46	4°25	17°50	11°D30	13° 6	11°28	2°43	S 5
M 6	14 56 0	15°31'18	23°57	15°30	17°38	5° 9	7°47	12°22	21°45	4°24	17°51	11°31	13° 2	11°34	2°41	M 6
T 7	14 59 56	16°29'14	6♋ 2	17°41	18°52	5°45	7°58	12°19	21°45	4°23	17°53	11°32	12°59	11°41	2°38	T 7
W 8	15 3 53	17°27'08	18°18	19°52	20° 6	6°22	8° 9	12°16	21°44	4°22	17°54	11°34	12°56	11°48	2°36	W 8
T 9	15 7 49	18°25'00	0♌51	22° 3	21°20	6°59	8°19	12°12	21°44	4°21	17°55	11°36	12°53	11°54	2°34	T 9
F 10	15 11 46	19°22'51	13°42	24°13	22°34	7°35	8°30	12° 9	21°43	4°20	17°56	11°R36	12°50	12° 1	2°32	F 10
S 11	15 15 42	20°20'40	26°57	26°23	23°48	8°12	8°41	12° 6	21°42	4°19	17°58	11°36	12°47	12° 8	2°29	S 11
S 12	15 19 39	21°18'27	10♍37	28°32	25° 2	8°49	8°52	12° 3	21°42	4°18	17°59	11°35	12°43	12°14	2°27	S 12
M13	15 23 36	22°16'12	24°44	0♊40	26°15	9°25	9° 3	12° 0	21°41	4°17	18° 0	11°34	12°40	12°21	2°24	M13
T 14	15 27 32	23°13'56	9♎16	2°46	27°29	10° 2	9°14	11°57	21°40	4°16	18° 1	11°31	12°37	12°28	2°22	T 14
W15	15 31 29	24°11'38	24° 8	4°51	28°43	10°39	9°25	11°54	21°39	4°15	18° 3	11°29	12°34	12°34	2°19	W15
T 16	15 35 25	25° 9'18	9♏15	6°54	29°57	11°16	9°37	11°51	21°38	4°14	18° 4	11°27	12°31	12°41	2°16	T 16
F 17	15 39 22	26° 6'58	24°27	8°55	1♊10	11°52	9°48	11°49	21°37	4°12	18° 5	11°26	12°28	12°48	2°13	F 17
S 18	15 43 18	27° 4'36	9♐35	10°53	2°24	12°29	10° 0	11°46	21°36	4°11	18° 7	11°D26	12°24	12°54	2°11	S 18
S 19	15 47 15	28° 2'13	24°29	12°49	3°38	13° 6	10°11	11°44	21°35	4°10	18° 8	11°26	12°21	13° 1	2° 8	S 19
M20	15 51 11	28°59'48	9♑ 3	14°43	4°52	13°43	10°23	11°41	21°34	4° 9	18° 9	11°27	12°18	13° 8	2° 5	M20
T 21	15 55 8	29°57'23	23°11	16°34	6° 6	14°19	10°34	11°39	21°33	4° 8	18°11	11°28	12°15	13°14	2° 2	T 21
W22	15 59 5	0♊54'57	6♒53	18°22	7°19	14°56	10°46	11°37	21°31	4° 6	18°12	11°28	12°12	13°21	1°59	W22
T 23	16 3 1	1°52'29	20° 9	20° 7	8°33	15°33	10°58	11°35	21°30	4° 5	18°13	11°29	12° 8	13°28	1°55	T 23
F 24	16 6 58	2°50'01	3♓ 1	21°50	9°47	16°10	11°10	11°33	21°29	4° 4	18°15	11°R29	12° 5	13°34	1°52	F 24
S 25	16 10 54	3°47'32	15°32	23°30	11° 0	16°46	11°21	11°31	21°28	4° 2	18°16	11°29	12° 2	13°41	1°49	S 25
S 26	16 14 51	4°45'03	27°47	25° 6	12°14	17°23	11°33	11°29	21°26	4° 1	18°18	11°29	11°59	13°48	1°46	S 26
M27	16 18 47	5°42'32	9♈50	26°40	13°28	18° 0	11°45	11°27	21°25	4° 0	18°19	11°28	11°56	13°54	1°42	M27
T 28	16 22 44	6°40'01	21°44	28°11	14°41	18°37	11°58	11°25	21°23	3°58	18°20	11°27	11°53	14° 1	1°39	T 28
W29	16 26 40	7°37'28	3♉33	29°39	15°55	19°14	12°10	11°24	21°22	3°57	18°22	11°27	11°49	14° 8	1°36	W29
T 30	16 30 37	8°34'56	15°21	1♋ 4	17° 9	19°51	12°22	11°22	21°20	3°56	18°23	11°26	11°46	14°14	1°32	T 30
F 31	16 34 34	9♊32'22	27♉10	2♋25	18♊23	20♋28	12♋34	11♎21	21♑19	3♑54	18♊25	11♐26	11♐43	14♉21	1♑29	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	15n 3	13n 8	3n49	12n22	0s49	14n36	0s44	24n53	1n25	23n30	0n12	2s29	2n45	22s11	0s28	22s21	1n 3	15n 3	7s54	22s14	22s26	17n47	16s56	6n32
T 2	15 21	16 33	3 0	13 14	0 39	15 1	0 42	24 52	1 25	23 29	0 12	2 28	2 45	22 11	0 28	22 21	1 3	15 4	7 53	22 13	22 26	17 48	16 55	6 32
F 3	15 39	19 18	2 4	14 4	0 29	15 25	0 40	24 51	1 25	23 29	0 12	2 26	2 45	22 11	0 28	22 21	1 3	15 4	7 53	22 13	22 25	17 49	16 54	6 33
S 4	15 57	21 14	1 2	14 55	0 19	15 49	0 38	24 50	1 24	23 28	0 12	2 25	2 44	22 11	0 28	22 21	1 4	15 4	7 53	22 12	22 25	17 51	16 54	6 33
S 5	16 14	22 14	0s 3	15 44	0 8	16 13	0 35	24 49	1 24	23 28	0 12	2 24	2 44	22 11	0 28	22 21	1 4	15 4	7 53	22 12	22 25	17 52	16 53	6 34
M 6	16 31	22 13	1 8	16 33	0n 2	16 36	0 33	24 47	1 24	23 27	0 12	2 23	2 44	22 11	0 28	22 21	1 4	15 5	7 53	22 12	22 24	17 53	16 53	6 35
T 7	16 48	21 10	2 11	17 20	0 13	16 58	0 31	24 45	1 24	23 27	0 12	2 22	2 44	22 11	0 28	22 21	1 4	15 5	7 53	22 12	22 24	17 55	16 52	6 35
W 8	17 4	19 6	3 9	18 6	0 23	17 20	0 29	24 44	1 24	23 26	0 12	2 20	2 44	22 12	0 28	22 21	1 4	15 5	7 53	22 13	22 23	17 56	16 52	6 36
T 9	17 20	16 7	3 59	18 51	0 34	17 42	0 27	24 42	1 24	23 25	0 12	2 19	2 44	22 12	0 28	22 21	1 4	15 5	7 52	22 13	22 23	17 58	16 51	6 36
F 10	17 36	12 17	4 39	19 34	0 44	18 3	0 24	24 39	1 24	23 25	0 12	2 18	2 44	22 12	0 28	22 21	1 4	15 6	7 52	22 13	22 23	17 59	16 51	6 37
S 11	17 52	7 46	5 6	20 15	0 54	18 24	0 22	24 37	1 24	23 24	0 12	2 17	2 43	22 12	0 29	22 21	1 4	15 6	7 52	22 13	22 22	18 0	16 50	6 37
S 12	18 7	2 44	5 16	20 54	1 3	18 44	0 20	24 35	1 23	23 24	0 12	2 16	2 43	22 12	0 29	22 21	1 4	15 6	7 52	22 13	22 22	18 2	16 50	6 38
M13	18 22	2s36	5 7	21 30	1 12	19 4	0 17	24 32	1 23	23 23	0 13	2 15	2 43	22 12	0 29	22 21	1 4	15 6	7 52	22 13	22 21	18 3	16 50	6 38
T 14	18 37	7 58	4 40	22 5	1 21	19 23	0 15	24 29	1 23	23 22	0 13	2 14	2 43	22 12	0 29	22 21	1 4	15 7	7 52	22 12	22 21	18 4	16 49	6 39
W15	18 51	12 59	3 53	22 36	1 29	19 42	0 13	24 26	1 23	23 21	0 13	2 13	2 43	22 13	0 29	22 21	1 4	15 7	7 52	22 12	22 21	18 6	16 49	6 39
T 16	19 5	17 16	2 49	23 5	1 37	20 1	0 10	24 23	1 23	23 21	0 13	2 12	2 42	22 13	0 29	22 21	1 4	15 7	7 52	22 12	22 20	18 7	16 48	6 40
F 17	19 19	20 25	1 33	23 32	1 44	20 18	0 8	24 20	1 23	23 20	0 13	2 11	2 42	22 13	0 29	22 21	1 4	15 7	7 51	22 12	22 20	18 8	16 48	6 40
S 18	19 32	22 6	0 10	23 56	1 50	20 35	0 6	24 16	1 23	23 19	0 13	2 11	2 42	22 13	0 29	22 21	1 4	15 7	7 51	22 12	22 19	18 10	16 47	6 41
S 19	19 46	22 10	1n12	24 17	1 55	20 52	0 3	24 12	1 22	23 18	0 13	2 10	2 42	22 13	0 29	22 21	1 4	15 8	7 51	22 12	22 19	18 11	16 47	6 41
M20	19 58	20 44	2 27	24 36	2 0	21 8	0 1	24 8	1 22	23 18	0 13	2 9	2 42	22 14	0 29	22 21	1 4	15 8	7 51	22 12	22 19	18 12	16 47	6 41
T 21	20 11	18 1	3 31	24 52	2 4	21 23	0n 2	24 4	1 22	23 17	0 13	2 8	2 41	22 14	0 29	22 21	1 4	15 8	7 51	22 12	22 18	18 13	16 46	6 42
W22	20 23	14 22	4 21	25 5	2 8	21 38	0 4	24 0	1 22	23 16	0 13	2 8	2 41	22 14	0 29	22 21	1 4	15 8	7 51	22 12	22 18	18 15	16 46	6 42
T 23	20 34	10 7	4 56	25 17	2 10	21 53	0 7	23 56	1 22	23 15	0 13	2 7	2 41	22 14	0 29	22 21	1 4	15 8	7 51	22 12	22 17	18 16	16 45	6 43
F 24	20 46	5 32	5 14	25 25	2 12	22 6	0 9	23 51	1 22	23 14	0 13	2 6	2 41	22 14	0 29	22 21	1 4	15 9	7 51	22 12	22 17	18 17	16 45	6 43
S 25	20 57	0 51	5 17	25 32	2 13	22 19	0 11	23 47	1 22	23 13	0 13	2 6	2 41	22 15	0 29	22 21	1 4	15 9	7 51	22 12	22 16	18 19	16 45	6 44
S 26	21 8	3n47	5 5	25 36	2 13	22 32	0 14	23 42	1 21	23 12	0 14	2 5	2 40	22 15	0 29	22 22	1 4	15 9	7 51	22 12	22 16	18 20	16 44	6 44
M27	21 18	8 11	4 39	25 38	2 12	22 43	0 16	23 37	1 21	23 11	0 14	2 5	2 40	22 15	0 29	22 22	1 4	15 9	7 50	22 12	22 16	18 21	16 44	6 44
T 28	21 28	12 14	4 2	25 39	2 11	22 54	0 18	23 31	1 21	23 10	0 14	2 4	2 40	22 15	0 29	22 22	1 4	15 10	7 50	22 12	22 15	18 22	16 44	6 45
W29	21 37	15 47	3 15	25 37	2 8	23 5	0 21	23 26	1 21	23 9	0 14	2 4	2 40	22 16	0 29	22 22	1 4	15 10	7 50	22 12	22 15	18 24	16 43	6 45
T 30	21 46	18 42	2 20	25 34	2 5	23 15	0 23	23 21	1 21	23 8	0 14	2 4	2 39	22 16	0 29	22 22	1 4	15 10	7 50	22 12	22 14	18 25	16 43	6 45
F 31	21n55	20n50	1n18	25n29	2n 1	23n24	0n26	23n15	1n21	23n 7	0n14	2s 3	2n39	22s16	0s29	22s22	1n 4	15n10	7s50	22s12	22s14	18n26	16s43	6n46

Julian Day Number = 2326752.5, Delta T = 37.53 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'16, Lahiri = 19°05'17Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

JUNE 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 30	10♊29'47	9♊ 3	3♋44	19♊36	21♋ 5	12♋46	11°R20	21°R17	3°R53	18♊26	11°D26	11♐40	14♉28	1°R25	S 1
S 2	16 42 27	11°27'12	21° 1	4°59	20°50	21°41	12°59	11♎18	21♍16	3♍51	18°27	11°R26	11°37	14°34	1♍21	S 2
M 3	16 46 23	12°24'35	3♋ 8	6°12	22° 4	22°18	13°11	11°17	21°14	3°50	18°29	11♐26	11°34	14°41	1°18	M 3
T 4	16 50 20	13°21'58	15°24	7°20	23°17	22°55	13°24	11°16	21°12	3°48	18°30	11°26	11°30	14°48	1°14	T 4
W 5	16 54 16	14°19'20	27°53	8°26	24°31	23°32	13°36	11°15	21°10	3°47	18°32	11°26	11°27	14°54	1°10	W 5
T 6	16 58 13	15°16'41	10♌35	9°28	25°44	24° 9	13°49	11°15	21° 9	3°45	18°33	11°25	11°24	15° 1	1° 7	T 6
F 7	17 2 9	16°14'01	23°33	10°27	26°58	24°46	14° 1	11°14	21° 7	3°44	18°34	11°25	11°21	15° 8	1° 3	F 7
S 8	17 6 6	17°11'20	6♍50	11°22	28°12	25°23	14°14	11°13	21° 5	3°42	18°36	11°24	11°18	15°14	0°59	S 8
S 9	17 10 3	18° 8'38	20°26	12°14	29°25	26° 0	14°26	11°13	21° 3	3°41	18°37	11°D24	11°14	15°21	0°55	S 9
M10	17 13 59	19° 5'55	4♎23	13° 2	0♋39	26°37	14°39	11°12	21° 1	3°39	18°39	11°25	11°11	15°28	0°52	M10
T 11	17 17 56	20° 3'11	18°40	13°46	1°52	27°14	14°52	11°12	20°59	3°38	18°40	11°25	11° 8	15°34	0°48	T 11
W12	17 21 52	21° 0'26	3♏15	14°26	3° 6	27°51	15° 5	11°12	20°57	3°36	18°41	11°26	11° 5	15°41	0°44	W12
T 13	17 25 49	21°57'40	18° 3	15° 1	4°19	28°28	15°18	11°12	20°55	3°34	18°43	11°27	11° 2	15°48	0°40	T 13
F 14	17 29 45	22°54'54	2♐58	15°33	5°33	29° 5	15°30	11°D12	20°53	3°33	18°44	11°27	10°59	15°54	0°36	F 14
S 15	17 33 42	23°52'08	17°54	16° 1	6°47	29°42	15°43	11°12	20°51	3°31	18°46	11°R27	10°55	16° 1	0°32	S 15
S 16	17 37 38	24°49'21	2♑41	16°24	8° 0	0♌19	15°56	11°12	20°49	3°30	18°47	11°27	10°52	16° 8	0°28	S 16
M17	17 41 35	25°46'33	17°14	16°43	9°14	0°57	16° 9	11°12	20°47	3°28	18°48	11°25	10°49	16°14	0°24	M17
T 18	17 45 32	26°43'45	1♒26	16°57	10°27	1°34	16°22	11°13	20°45	3°26	18°50	11°24	10°46	16°21	0°20	T 18
W19	17 49 28	27°40'57	15°13	17° 7	11°41	2°11	16°35	11°13	20°43	3°25	18°51	11°21	10°43	16°28	0°17	W19
T 20	17 53 25	28°38'09	28°34	17°12	12°54	2°48	16°48	11°14	20°41	3°23	18°53	11°20	10°40	16°34	0°13	T 20
F 21	17 57 21	29°35'21	11♓30	17°R12	14° 8	3°25	17° 1	11°14	20°39	3°22	18°54	11°18	10°36	16°41	0° 9	F 21
S 22	18 1 18	0♋32'32	24° 5	17° 8	15°21	4° 2	17°14	11°15	20°36	3°20	18°55	11°17	10°33	16°48	0° 5	S 22
S 23	18 5 14	1°29'44	6♈21	17° 0	16°35	4°39	17°27	11°16	20°34	3°18	18°57	11°D17	10°30	16°54	0° 1	S 23
M24	18 9 11	2°26'56	18°23	16°47	17°48	5°16	17°41	11°17	20°32	3°17	18°58	11°18	10°27	17° 1	29♐57	M24
T 25	18 13 7	3°24'08	0♉16	16°30	19° 1	5°54	17°54	11°18	20°30	3°15	19° 0	11°19	10°24	17° 8	29°53	T 25
W26	18 17 4	4°21'20	12° 4	16° 9	20°15	6°31	18° 7	11°19	20°27	3°13	19° 1	11°21	10°20	17°14	29°49	W26
T 27	18 21 1	5°18'33	23°53	15°44	21°28	7° 8	18°20	11°21	20°25	3°12	19° 2	11°22	10°17	17°21	29°45	T 27
F 28	18 24 57	6°15'45	5♊45	15°16	22°42	7°45	18°33	11°22	20°23	3°10	19° 4	11°R23	10°14	17°27	29°41	F 28
S 29	18 28 54	7°12'58	17°44	14°45	23°55	8°23	18°47	11°23	20°20	3° 9	19° 5	11°23	10°11	17°34	29°37	S 29
S 30	18 32 50	8♋10'10	29♊53	14♋11	25♋ 9	9♌ 0	19♋ 0	11♎25	20♍18	3♍ 7	19♊ 6	11♐22	10♐ 8	17♉41	29♐33	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	22n 4	22n 4	0n13	25n23	1n57	23n32	0n28	23n 9	1n20	23n 6	0n14	2s 3	2n39	22s16	0s29	22s22	1n 4	15n10	7s50	22s12	22s13	18n27	16s42	6n46
S 2	22 12	22 18	0s53	25 15	1 51	23 40	0 30	23 3	1 20	23 5	0 14	2 3	2 39	22 17	0 29	22 22	1 4	15 10	7 50	22 12	22 13	18 29	16 42	6 46
M 3	22 19	21 29	1 58	25 5	1 45	23 47	0 32	22 57	1 20	23 4	0 14	2 3	2 38	22 17	0 29	22 22	1 4	15 11	7 50	22 12	22 13	18 30	16 42	6 47
T 4	22 27	19 39	2 58	24 55	1 38	23 53	0 35	22 51	1 20	23 3	0 14	2 2	2 38	22 17	0 29	22 22	1 4	15 11	7 50	22 12	22 12	18 31	16 42	6 47
W 5	22 34	16 52	3 50	24 43	1 31	23 59	0 37	22 44	1 20	23 1	0 14	2 2	2 38	22 18	0 29	22 22	1 4	15 11	7 50	22 12	22 12	18 32	16 41	6 47
T 6	22 40	13 14	4 33	24 31	1 22	24 4	0 39	22 37	1 19	23 0	0 14	2 2	2 38	22 18	0 29	22 22	1 4	15 11	7 50	22 11	22 11	18 34	16 41	6 48
F 7	22 46	8 56	5 2	24 17	1 13	24 8	0 41	22 31	1 19	22 59	0 14	2 2	2 37	22 18	0 29	22 22	1 4	15 11	7 50	22 11	22 11	18 35	16 41	6 48
S 8	22 52	4 7	5 16	24 3	1 3	24 12	0 44	22 24	1 19	22 58	0 15	2 2	2 37	22 18	0 29	22 22	1 4	15 11	7 50	22 11	22 10	18 36	16 41	6 48
S 9	22 57	1s 1	5 14	23 48	0 53	24 15	0 46	22 17	1 19	22 56	0 15	2 2	2 37	22 19	0 29	22 22	1 4	15 12	7 50	22 11	22 10	18 37	16 40	6 48
M10	23 2	6 13	4 52	23 32	0 42	24 17	0 48	22 9	1 19	22 55	0 15	2 2	2 37	22 19	0 29	22 22	1 4	15 12	7 50	22 11	22 10	18 38	16 40	6 49
T 11	23 7	11 13	4 13	23 16	0 30	24 18	0 50	22 2	1 18	22 54	0 15	2 2	2 36	22 19	0 29	22 22	1 4	15 12	7 50	22 11	22 9	18 40	16 40	6 49
W12	23 11	15 42	3 17	22 59	0 17	24 19	0 52	21 54	1 18	22 52	0 15	2 2	2 36	22 20	0 29	22 22	1 4	15 12	7 50	22 12	22 9	18 41	16 40	6 49
T 13	23 14	19 15	2 6	22 42	0 4	24 19	0 54	21 47	1 18	22 51	0 15	2 3	2 36	22 20	0 29	22 22	1 4	15 12	7 49	22 12	22 8	18 42	16 40	6 49
F 14	23 18	21 33	0 47	22 25	0s 9	24 18	0 56	21 39	1 18	22 50	0 15	2 3	2 36	22 20	0 29	22 22	1 4	15 12	7 49	22 12	22 8	18 43	16 40	6 49
S 15	23 20	22 20	0n36	22 8	0 23	24 17	0 58	21 31	1 18	22 48	0 15	2 3	2 35	22 21	0 29	22 22	1 4	15 13	7 49	22 12	22 7	18 44	16 39	6 50
S 16	23 23	21 32	1 55	21 51	0 38	24 14	1 0	21 23	1 17	22 47	0 15	2 3	2 35	22 21	0 29	22 22	1 4	15 13	7 49	22 12	22 7	18 46	16 39	6 50
M17	23 25	19 18	3 6	21 33	0 53	24 11	1 2	21 14	1 17	22 45	0 15	2 4	2 35	22 21	0 29	22 22	1 4	15 13	7 49	22 12	22 6	18 47	16 39	6 50
T 18	23 27	15 56	4 3	21 16	1 9	24 8	1 4	21 6	1 17	22 44	0 15	2 4	2 35	22 22	0 29	22 22	1 4	15 13	7 49	22 11	22 6	18 48	16 39	6 50
W19	23 28	11 47	4 44	20 59	1 24	24 3	1 6	20 57	1 17	22 42	0 15	2 5	2 34	22 22	0 29	22 22	1 4	15 13	7 49	22 11	22 6	18 49	16 39	6 50
T 20	23 29	7 10	5 8	20 43	1 40	23 58	1 7	20 49	1 17	22 41	0 15	2 5	2 34	22 22	0 29	22 23	1 4	15 13	7 49	22 11	22 5	18 50	16 39	6 50
F 21	23 29	2 23	5 16	20 27	1 56	23 53	1 9	20 40	1 16	22 39	0 16	2 6	2 34	22 23	0 29	22 23	1 4	15 13	7 49	22 10	22 5	18 51	16 39	6 50
S 22	23 29	2n22	5 8	20 11	2 12	23 46	1 11	20 31	1 16	22 38	0 16	2 6	2 34	22 23	0 30	22 23	1 4	15 13	7 49	22 10	22 4	18 52	16 39	6 50
S 23	23 28	6 54	4 46	19 57	2 29	23 39	1 12	20 22	1 16	22 36	0 16	2 7	2 33	22 24	0 30	22 23	1 4	15 14	7 49	22 10	22 4	18 54	16 38	6 50
M24	23 28	11 6	4 12	19 42	2 44	23 31	1 14	20 12	1 16	22 34	0 16	2 7	2 33	22 24	0 30	22 23	1 4	15 14	7 49	22 10	22 3	18 55	16 38	6 51
T 25	23 26	14 50	3 28	19 29	3 0	23 22	1 15	20 3	1 15	22 33	0 16	2 8	2 33	22 24	0 30	22 23	1 4	15 14	7 49	22 11	22 3	18 56	16 38	6 51
W26	23 25	17 56	2 35	19 17	3 15	23 13	1 17	19 53	1 15	22 31	0 16	2 9	2 33	22 25	0 30	22 23	1 4	15 14	7 49	22 11	22 2	18 57	16 38	6 51
T 27	23 23	20 19	1 35	19 5	3 29	23 3	1 18	19 44	1 15	22 29	0 16	2 9	2 32	22 25	0 30	22 23	1 4	15 14	7 49	22 11	22 2	18 58	16 38	6 51
F 28	23 20	21 49	0 31	18 55	3 43	22 53	1 20	19 34	1 15	22 28	0 16	2 10	2 32	22 25	0 30	22 23	1 4	15 14	7 49	22 11	22 1	18 59	16 38	6 51
S 29	23 17	22 20	0s35	18 45	3 56	22 41	1 21	19 24	1 14	22 26	0 16	2 11	2 32	22 26	0 30	22 23	1 4	15 14	7 49	22 11	22 1	19 0	16 38	6 51
S 30	23n14	21n49	1s40	18n37	4s 8	22n29	1n22	19n14	1n14	22n24	0n16	2s12	2n32	22s26	0s30	22s23	1n 4	15n14	7s49	22s11	22s 1	19n 1	16s38	6n51

Julian Day Number = 2326783.5, Delta T = 37.47 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'21, Lahiri = 19°05'21Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

JULY 1658 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 36 47	9♋ 7'23	12♋13	13°R36	26♋22	9♌37	19♋13	11♎27	20°R16	3°R 5	19♊ 8	11°R19	10♐ 5	17♑47	29°R30	M 1
T 2	18 40 43	10° 4'36	24°47	12♋59	27°36	10°14	19°26	11°28	20♍13	3♍ 4	19° 9	11♐16	10° 1	17°54	29♐26	T 2
W 3	18 44 40	11° 1'49	7♌33	12°21	28°49	10°52	19°40	11°30	20°11	3° 2	19°10	11°11	9°58	18° 1	29°22	W 3
T 4	18 48 37	11°59'01	20°34	11°43	0♌ 2	11°29	19°53	11°32	20° 9	3° 1	19°12	11° 6	9°55	18° 7	29°18	T 4
F 5	18 52 33	12°56'14	3♍48	11° 6	1°16	12° 6	20° 6	11°34	20° 6	2°59	19°13	11° 2	9°52	18°14	29°14	F 5
S 6	18 56 30	13°53'27	17°16	10°30	2°29	12°44	20°20	11°36	20° 4	2°57	19°14	10°58	9°49	18°21	29°11	S 6
S 7	19 0 26	14°50'40	0♎57	9°55	3°42	13°21	20°33	11°39	20° 1	2°56	19°16	10°56	9°45	18°27	29° 7	S 7
M 8	19 4 23	15°47'52	14°51	9°23	4°56	13°58	20°46	11°41	19°59	2°54	19°17	10°D55	9°42	18°34	29° 3	M 8
T 9	19 8 19	16°45'05	28°58	8°54	6° 9	14°36	21° 0	11°43	19°57	2°53	19°18	10°55	9°39	18°41	29° 0	T 9
W10	19 12 16	17°42'17	13♏15	8°29	7°22	15°13	21°13	11°46	19°54	2°51	19°20	10°57	9°36	18°47	28°56	W10
T 11	19 16 12	18°39'30	27°42	8° 7	8°36	15°51	21°27	11°49	19°52	2°50	19°21	10°58	9°33	18°54	28°52	T 11
F 12	19 20 9	19°36'43	12♐14	7°50	9°49	16°28	21°40	11°51	19°49	2°48	19°22	10°R59	9°30	19° 1	28°49	F 12
S 13	19 24 6	20°33'57	26°46	7°38	11° 2	17° 6	21°53	11°54	19°47	2°47	19°23	10°58	9°26	19° 7	28°45	S 13
S 14	19 28 2	21°31'10	11♑15	7°31	12°16	17°43	22° 7	11°57	19°45	2°45	19°25	10°55	9°23	19°14	28°42	S 14
M15	19 31 59	22°28'24	25°33	7°D29	13°29	18°21	22°20	12° 0	19°42	2°43	19°26	10°50	9°20	19°21	28°38	M15
T 16	19 35 55	23°25'39	9♒36	7°33	14°42	18°58	22°33	12° 3	19°40	2°42	19°27	10°44	9°17	19°27	28°35	T 16
W17	19 39 52	24°22'54	23°18	7°42	15°55	19°36	22°47	12° 6	19°37	2°41	19°28	10°37	9°14	19°34	28°32	W17
T 18	19 43 48	25°20'10	6♓38	7°58	17° 8	20°13	23° 0	12° 9	19°35	2°39	19°29	10°30	9°11	19°41	28°28	T 18
F 19	19 47 45	26°17'26	19°35	8°19	18°22	20°51	23°14	12°13	19°33	2°38	19°31	10°24	9° 7	19°47	28°25	F 19
S 20	19 51 41	27°14'44	2♈11	8°46	19°35	21°28	23°27	12°16	19°30	2°36	19°32	10°19	9° 4	19°54	28°22	S 20
S 21	19 55 38	28°12'02	14°28	9°18	20°48	22° 6	23°40	12°20	19°28	2°35	19°33	10°16	9° 1	20° 1	28°19	S 21
M22	19 59 35	29° 9'21	26°31	9°57	22° 1	22°43	23°54	12°23	19°25	2°33	19°34	10°D15	8°58	20° 7	28°16	M22
T 23	20 3 31	0♌ 6'42	8♉24	10°42	23°14	23°21	24° 7	12°27	19°23	2°32	19°35	10°16	8°55	20°14	28°13	T 23
W24	20 7 28	1° 4'03	20°13	11°32	24°27	23°59	24°20	12°31	19°21	2°31	19°36	10°17	8°51	20°21	28°10	W24
T 25	20 11 24	2° 1'26	2♊ 3	12°28	25°41	24°36	24°34	12°34	19°18	2°29	19°37	10°18	8°48	20°27	28° 7	T 25
F 26	20 15 21	2°58'49	13°58	13°30	26°54	25°14	24°47	12°38	19°16	2°28	19°38	10°R18	8°45	20°34	28° 4	F 26
S 27	20 19 17	3°56'14	26° 3	14°37	28° 7	25°52	25° 0	12°42	19°14	2°26	19°40	10°17	8°42	20°40	28° 1	S 27
S 28	20 23 14	4°53'40	8♋22	15°50	29°20	26°30	25°13	12°46	19°11	2°25	19°41	10°13	8°39	20°47	27°58	S 28
M29	20 27 10	5°51'06	20°57	17° 8	0♍33	27° 7	25°27	12°50	19° 9	2°24	19°42	10° 7	8°36	20°54	27°56	M29
T 30	20 31 7	6°48'34	3♌49	18°30	1°46	27°45	25°40	12°55	19° 7	2°23	19°43	9°59	8°32	21° 0	27°53	T 30
W31	20 35 4	7♌46'03	16♌58	19♋58	2♍59	28♌23	25♋53	12♎59	19♍ 5	2♍21	19♊44	9♐50	8♐29	21♑ 7	27♐51	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	23n10	20n15	2s41	18n30	4s18	22n17	1n23	19n 4	1n14	22n22	0n16	2s13	2n31	22s26	0s30	22s23	1n 4	15n14	7s49	22s11	22s 0	19n 3	16s38	6n51
T 2	23 6	17 40	3 36	18 25	4 27	22 4	1 24	18 53	1 14	22 21	0 16	2 14	2 31	22 27	0 30	22 23	1 4	15 14	7 49	22 10	22 0	19 4	16 38	6 51
W 3	23 1	14 13	4 21	18 20	4 35	21 50	1 25	18 43	1 13	22 19	0 17	2 15	2 31	22 27	0 30	22 23	1 4	15 15	7 49	22 10	21 59	19 5	16 38	6 51
T 4	22 56	10 2	4 53	18 17	4 42	21 35	1 26	18 32	1 13	22 17	0 17	2 16	2 31	22 27	0 30	22 23	1 4	15 15	7 49	22 9	21 59	19 6	16 38	6 51
F 5	22 51	5 19	5 10	18 16	4 46	21 20	1 27	18 22	1 13	22 15	0 17	2 17	2 30	22 28	0 30	22 23	1 4	15 15	7 49	22 8	21 58	19 7	16 38	6 50
S 6	22 45	0 16	5 10	18 15	4 50	21 4	1 28	18 11	1 13	22 13	0 17	2 18	2 30	22 28	0 30	22 23	1 4	15 15	7 49	22 8	21 58	19 8	16 38	6 50
S 7	22 39	4s52	4 54	18 16	4 51	20 48	1 29	18 0	1 12	22 11	0 17	2 19	2 30	22 29	0 30	22 23	1 4	15 15	7 49	22 7	21 57	19 9	16 38	6 50
M 8	22 33	9 51	4 19	18 19	4 51	20 31	1 30	17 49	1 12	22 9	0 17	2 20	2 30	22 29	0 30	22 23	1 4	15 15	7 49	22 7	21 57	19 10	16 39	6 50
T 9	22 26	14 23	3 29	18 23	4 49	20 14	1 31	17 38	1 12	22 7	0 17	2 21	2 29	22 29	0 30	22 23	1 4	15 15	7 49	22 7	21 56	19 11	16 39	6 50
W10	22 19	18 9	2 25	18 27	4 46	19 56	1 31	17 26	1 12	22 5	0 17	2 22	2 29	22 30	0 30	22 24	1 4	15 15	7 50	22 8	21 56	19 12	16 39	6 50
T 11	22 11	20 51	1 12	18 34	4 41	19 37	1 32	17 15	1 11	22 3	0 17	2 24	2 29	22 30	0 30	22 24	1 4	15 15	7 50	22 8	21 55	19 13	16 39	6 50
F 12	22 3	22 11	0n 7	18 41	4 35	19 18	1 32	17 4	1 11	22 1	0 17	2 25	2 29	22 30	0 30	22 24	1 4	15 15	7 50	22 8	21 55	19 14	16 39	6 50
S 13	21 54	22 2	1 25	18 49	4 27	18 59	1 33	16 52	1 11	21 59	0 17	2 26	2 28	22 31	0 30	22 24	1 4	15 15	7 50	22 8	21 54	19 15	16 39	6 50
S 14	21 46	20 24	2 37	18 58	4 18	18 38	1 33	16 40	1 11	21 57	0 18	2 28	2 28	22 31	0 30	22 24	1 4	15 15	7 50	22 7	21 54	19 16	16 39	6 49
M15	21 36	17 30	3 38	19 8	4 9	18 18	1 33	16 28	1 10	21 55	0 18	2 29	2 28	22 31	0 30	22 24	1 4	15 15	7 50	22 7	21 53	19 17	16 39	6 49
T 16	21 27	13 37	4 25	19 19	3 58	17 57	1 34	16 16	1 10	21 53	0 18	2 30	2 28	22 32	0 30	22 24	1 3	15 15	7 50	22 6	21 53	19 19	16 39	6 49
W17	21 17	9 8	4 55	19 30	3 46	17 35	1 34	16 4	1 10	21 51	0 18	2 32	2 27	22 32	0 30	22 24	1 3	15 15	7 50	22 5	21 52	19 20	16 40	6 49
T 18	21 7	4 19	5 8	19 42	3 33	17 13	1 34	15 52	1 9	21 49	0 18	2 33	2 27	22 33	0 30	22 24	1 3	15 15	7 50	22 4	21 52	19 21	16 40	6 49
F 19	20 56	0n33	5 5	19 54	3 20	16 50	1 34	15 40	1 9	21 47	0 18	2 35	2 27	22 33	0 30	22 24	1 3	15 15	7 50	22 3	21 51	19 22	16 40	6 48
S 20	20 45	5 15	4 47	20 6	3 6	16 27	1 34	15 28	1 9	21 44	0 18	2 36	2 27	22 33	0 30	22 24	1 3	15 16	7 50	22 2	21 51	19 23	16 40	6 48
S 21	20 34	9 39	4 16	20 18	2 52	16 4	1 34	15 15	1 9	21 42	0 18	2 38	2 27	22 34	0 30	22 24	1 3	15 16	7 50	22 2	21 51	19 24	16 40	6 48
M22	20 22	13 34	3 34	20 30	2 37	15 40	1 33	15 2	1 8	21 40	0 18	2 39	2 26	22 34	0 30	22 24	1 3	15 16	7 50	22 2	21 50	19 25	16 41	6 48
T 23	20 10	16 55	2 44	20 41	2 22	15 16	1 33	14 50	1 8	21 38	0 18	2 41	2 26	22 34	0 30	22 24	1 3	15 16	7 50	22 2	21 50	19 26	16 41	6 47
W24	19 57	19 32	1 46	20 52	2 7	14 51	1 33	14 37	1 8	21 35	0 18	2 43	2 26	22 35	0 30	22 24	1 3	15 16	7 50	22 2	21 49	19 27	16 41	6 47
T 25	19 45	21 20	0 44	21 2	1 52	14 26	1 32	14 24	1 7	21 33	0 19	2 44	2 26	22 35	0 30	22 24	1 3	15 16	7 50	22 2	21 49	19 28	16 41	6 47
F 26	19 32	22 11	0s20	21 11	1 37	14 0	1 32	14 11	1 7	21 31	0 19	2 46	2 25	22 35	0 30	22 24	1 3	15 16	7 50	22 2	21 48	19 29	16 41	6 47
S 27	19 18	22 2	1 24	21 19	1 22	13 35	1 31	13 58	1 7	21 29	0 19	2 48	2 25	22 36	0 30	22 24	1 3	15 16	7 50	22 2	21 48	19 29	16 42	6 46
S 28	19 5	20 48	2 25	21 26	1 7	13 8	1 30	13 45	1 7	21 26	0 19	2 50	2 25	22 36	0 30	22 24	1 3	15 16	7 51	22 1	21 47	19 30	16 42	6 46
M29	18 51	18 33	3 20	21 31	0 52	12 42	1 30	13 32	1 6	21 24	0 19	2 51	2 25	22 36	0 30	22 25	1 3	15 16	7 51	22 0	21 47	19 31	16 42	6 46
T 30	18 36	15 20	4 7	21 35	0 38	12 15	1 29	13 18	1 6	21 22	0 19	2 53	2 25	22 37	0 30	22 25	1 3	15 16	7 51	21 59	21 46	19 32	16 43	6 45
W31	18n22	11n19	4s41	21n36	0s24	11n48	1n28	13n 5	1n 6	21n19	0n19	2s55	2n24	22s37	0s30	22s25	1n 3	15n16	7s51	21s58	21s46	19n33	16s43	6n45

Julian Day Number = 2326813.5, Delta T = 37.42 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'25, Lahiri = 19°05'25Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

AUGUST 1658 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 39 0	8♌43'32	0♍22	21♋30	4♍12	29♌ 1	26♋ 6	13♎ 3	19°R 2	2°R20	19♊45	9°R40	8♐26	21♉14	27°R48	T 1
F 2	20 42 57	9°41'03	13°59	23° 7	5°25	29°39	26°20	13° 8	19♑ 0	2♑19	19°46	9♐31	8°23	21°20	27♐46	F 2
S 3	20 46 53	10°38'34	27°48	24°48	6°38	0♍17	26°33	13°12	18°58	2°18	19°47	9°23	8°20	21°27	27°43	S 3
S 4	20 50 50	11°36'07	11♎44	26°32	7°51	0°54	26°46	13°17	18°56	2°17	19°48	9°17	8°17	21°34	27°41	S 4
M 5	20 54 46	12°33'40	25°46	28°20	9° 4	1°32	26°59	13°22	18°54	2°15	19°48	9°14	8°13	21°40	27°39	M 5
T 6	20 58 43	13°31'14	9♏51	0♌10	10°17	2°10	27°12	13°26	18°52	2°14	19°49	9°D13	8°10	21°47	27°37	T 6
W 7	21 2 39	14°28'49	24° 0	2° 4	11°30	2°48	27°25	13°31	18°49	2°13	19°50	9°13	8° 7	21°54	27°35	W 7
T 8	21 6 36	15°26'25	8♐10	4° 0	12°43	3°26	27°38	13°36	18°47	2°12	19°51	9°R13	8° 4	22° 0	27°33	T 8
F 9	21 10 33	16°24'01	22°19	5°57	13°55	4° 4	27°51	13°41	18°45	2°11	19°52	9°13	8° 1	22° 7	27°31	F 9
S 10	21 14 29	17°21'39	6♑27	7°56	15° 8	4°42	28° 4	13°46	18°43	2°10	19°53	9°10	7°57	22°14	27°29	S 10
S 11	21 18 26	18°19'18	20°30	9°56	16°21	5°20	28°17	13°51	18°41	2° 9	19°54	9° 5	7°54	22°20	27°27	S 11
M12	21 22 22	19°16'58	4♒25	11°57	17°34	5°58	28°30	13°56	18°39	2° 8	19°55	8°57	7°51	22°27	27°25	M12
T 13	21 26 19	20°14'39	18° 9	13°58	18°46	6°36	28°43	14° 1	18°37	2° 7	19°55	8°47	7°48	22°34	27°24	T 13
W14	21 30 15	21°12'22	1♓36	16° 0	19°59	7°14	28°56	14° 7	18°36	2° 6	19°56	8°36	7°45	22°40	27°22	W14
T 15	21 34 12	22°10'06	14°46	18° 1	21°12	7°53	29° 8	14°12	18°34	2° 5	19°57	8°24	7°42	22°47	27°21	T 15
F 16	21 38 8	23° 7'51	27°37	20° 2	22°25	8°31	29°21	14°17	18°32	2° 4	19°58	8°13	7°38	22°54	27°20	F 16
S 17	21 42 5	24° 5'38	10♈ 9	22° 3	23°37	9° 9	29°34	14°23	18°30	2° 4	19°58	8° 4	7°35	23° 0	27°18	S 17
S 18	21 46 2	25° 3'27	22°24	24° 3	24°50	9°47	29°47	14°28	18°28	2° 3	19°59	7°58	7°32	23° 7	27°17	S 18
M19	21 49 58	26° 1'17	4♉26	26° 2	26° 2	10°25	29°59	14°34	18°26	2° 2	20° 0	7°54	7°29	23°13	27°16	M19
T 20	21 53 55	26°59'09	16°18	28° 0	27°15	11° 3	0♌12	14°40	18°25	2° 1	20° 0	7°52	7°26	23°20	27°15	T 20
W21	21 57 51	27°57'03	28° 7	29°57	28°27	11°42	0°24	14°45	18°23	2° 0	20° 1	7°D52	7°23	23°27	27°14	W21
T 22	22 1 48	28°54'59	9♊57	1♍53	29°40	12°20	0°37	14°51	18°21	2° 0	20° 2	7°R52	7°19	23°33	27°13	T 22
F 23	22 5 44	29°52'57	21°53	3°48	0♎52	12°58	0°49	14°57	18°20	1°59	20° 2	7°51	7°16	23°40	27°12	F 23
S 24	22 9 41	0♍50'56	4♋ 2	5°41	2° 5	13°37	1° 2	15° 3	18°18	1°58	20° 3	7°49	7°13	23°47	27°11	S 24
S 25	22 13 37	1°48'58	16°28	7°34	3°17	14°15	1°14	15° 9	18°17	1°58	20° 3	7°44	7°10	23°53	27°11	S 25
M26	22 17 34	2°47'01	29°13	9°25	4°30	14°53	1°26	15°15	18°15	1°57	20° 4	7°37	7° 7	24° 0	27°10	M26
T 27	22 21 31	3°45'06	12♌19	11°15	5°42	15°32	1°39	15°21	18°14	1°57	20° 5	7°27	7° 3	24° 7	27°10	T 27
W28	22 25 27	4°43'13	25°48	13° 4	6°55	16°10	1°51	15°27	18°12	1°56	20° 5	7°16	7° 0	24°13	27° 9	W28
T 29	22 29 24	5°41'21	9♍36	14°51	8° 7	16°49	2° 3	15°33	18°11	1°56	20° 6	7° 3	6°57	24°20	27° 9	T 29
F 30	22 33 20	6°39'31	23°39	16°37	9°19	17°27	2°15	15°39	18° 9	1°55	20° 6	6°52	6°54	24°27	27° 9	F 30
S 31	22 37 17	7♍37'43	7♎53	18♍22	10♎32	18♍ 6	2♌27	15♎45	18♑ 8	1♑55	20♊ 6	6♐42	6♐51	24♉33	27♐ 9	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	18n 7	6n40	5s 1	21n36	0s10	11n20	1n27	12n52	1n 5	21n17	0n19	2s57	2n24	22s37	0s30	22s25	1n 3	15n16	7s51	21s56	21s45	19n34	16s43	6n45
F 2	17 51	1 38	5 4	21 33	0n 3	10 53	1 26	12 38	1 5	21 15	0 19	2 59	2 24	22 37	0 30	22 25	1 3	15 16	7 51	21 55	21 45	19 35	16 43	6 44
S 3	17 36	3s32	4 49	21 28	0 15	10 25	1 25	12 24	1 5	21 12	0 19	3 1	2 24	22 38	0 30	22 25	1 3	15 16	7 51	21 54	21 44	19 36	16 44	6 44
S 4	17 20	8 36	4 17	21 20	0 27	9 56	1 24	12 11	1 4	21 10	0 20	3 3	2 24	22 38	0 30	22 25	1 3	15 16	7 51	21 53	21 44	19 37	16 44	6 44
M 5	17 4	13 14	3 30	21 9	0 38	9 28	1 23	11 57	1 4	21 7	0 20	3 5	2 23	22 38	0 30	22 25	1 3	15 16	7 51	21 53	21 43	19 38	16 44	6 43
T 6	16 48	17 10	2 30	20 56	0 48	8 59	1 21	11 43	1 4	21 5	0 20	3 7	2 23	22 39	0 30	22 25	1 3	15 16	7 51	21 52	21 43	19 39	16 45	6 43
W 7	16 31	20 6	1 20	20 41	0 58	8 30	1 20	11 29	1 3	21 2	0 20	3 9	2 23	22 39	0 30	22 25	1 3	15 15	7 51	21 52	21 42	19 40	16 45	6 43
T 8	16 14	21 48	0 6	20 22	1 6	8 1	1 18	11 15	1 3	21 0	0 20	3 11	2 23	22 39	0 30	22 25	1 3	15 15	7 51	21 52	21 42	19 41	16 45	6 42
F 9	15 57	22 6	1n 9	20 1	1 14	7 31	1 17	11 1	1 3	20 57	0 20	3 13	2 23	22 40	0 30	22 25	1 3	15 15	7 52	21 52	21 41	19 42	16 46	6 42
S 10	15 40	21 0	2 20	19 37	1 21	7 1	1 15	10 46	1 3	20 55	0 20	3 15	2 22	22 40	0 30	22 25	1 3	15 15	7 52	21 52	21 41	19 43	16 46	6 42
S 11	15 22	18 36	3 21	19 11	1 27	6 32	1 14	10 32	1 2	20 52	0 20	3 17	2 22	22 40	0 30	22 25	1 3	15 15	7 52	21 51	21 40	19 44	16 46	6 41
M12	15 4	15 9	4 9	18 43	1 32	6 2	1 12	10 18	1 2	20 50	0 20	3 20	2 22	22 40	0 30	22 25	1 3	15 15	7 52	21 50	21 40	19 44	16 47	6 41
T 13	14 46	10 56	4 43	18 12	1 37	5 31	1 10	10 3	1 2	20 47	0 21	3 22	2 22	22 41	0 30	22 25	1 3	15 15	7 52	21 48	21 39	19 45	16 47	6 40
W14	14 27	6 15	5 0	17 40	1 40	5 1	1 8	9 49	1 1	20 45	0 21	3 24	2 22	22 41	0 30	22 25	1 3	15 15	7 52	21 47	21 38	19 46	16 48	6 40
T 15	14 9	1 24	5 0	17 5	1 43	4 31	1 6	9 34	1 1	20 42	0 21	3 26	2 22	22 41	0 30	22 25	1 3	15 15	7 52	21 45	21 38	19 47	16 48	6 40
F 16	13 50	3n24	4 45	16 29	1 45	4 0	1 4	9 20	1 1	20 40	0 21	3 28	2 21	22 41	0 30	22 25	1 3	15 15	7 52	21 43	21 37	19 48	16 48	6 39
S 17	13 31	7 57	4 16	15 51	1 46	3 29	1 2	9 5	1 0	20 37	0 21	3 31	2 21	22 42	0 30	22 26	1 2	15 15	7 52	21 42	21 37	19 49	16 49	6 39
S 18	13 12	12 5	3 37	15 12	1 46	2 59	1 0	8 50	1 0	20 35	0 21	3 33	2 21	22 42	0 30	22 26	1 2	15 15	7 53	21 41	21 36	19 50	16 49	6 38
M19	12 52	15 39	2 48	14 31	1 46	2 28	0 58	8 35	1 0	20 32	0 21	3 35	2 21	22 42	0 30	22 26	1 2	15 15	7 53	21 40	21 36	19 51	16 50	6 38
T 20	12 32	18 32	1 52	13 50	1 45	1 57	0 56	8 21	0 59	20 30	0 21	3 38	2 21	22 42	0 30	22 26	1 2	15 15	7 53	21 40	21 35	19 51	16 50	6 37
W21	12 12	20 37	0 52	13 7	1 43	1 26	0 53	8 6	0 59	20 27	0 21	3 40	2 21	22 43	0 30	22 26	1 2	15 15	7 53	21 40	21 35	19 52	16 50	6 37
T 22	11 52	21 48	0s11	12 24	1 41	0 55	0 51	7 51	0 58	20 24	0 22	3 42	2 20	22 43	0 30	22 26	1 2	15 15	7 53	21 40	21 34	19 53	16 51	6 36
F 23	11 32	22 0	1 14	11 40	1 39	0 24	0 49	7 36	0 58	20 22	0 22	3 45	2 20	22 43	0 30	22 26	1 2	15 15	7 53	21 39	21 34	19 54	16 51	6 36
S 24	11 12	21 11	2 14	10 55	1 36	0s 8	0 46	7 21	0 58	20 19	0 22	3 47	2 20	22 43	0 30	22 26	1 2	15 15	7 53	21 39	21 33	19 55	16 52	6 36
S 25	10 51	19 20	3 9	10 10	1 32	0 39	0 44	7 5	0 57	20 17	0 22	3 49	2 20	22 43	0 30	22 26	1 2	15 14	7 53	21 38	21 33	19 56	16 52	6 35
M26	10 30	16 30	3 56	9 25	1 28	1 10	0 41	6 50	0 57	20 14	0 22	3 52	2 20	22 44	0 30	22 26	1 2	15 14	7 53	21 37	21 32	19 56	16 53	6 35
T 27	10 9	12 46	4 33	8 39	1 24	1 41	0 38	6 35	0 57	20 11	0 22	3 54	2 20	22 44	0 30	22 26	1 2	15 14	7 54	21 36	21 32	19 57	16 53	6 34
W28	9 48	8 19	4 55	7 53	1 19	2 12	0 36	6 20	0 56	20 9	0 22	3 57	2 19	22 44	0 30	22 26	1 2	15 14	7 54	21 34	21 31	19 58	16 54	6 34
T 29	9 27	3 21	5 0	7 7	1 14	2 43	0 33	6 4	0 56	20 6	0 22	3 59	2 19	22 44	0 30	22 26	1 2	15 14	7 54	21 32	21 31	19 59	16 54	6 33
F 30	9 5	1s53	4 48	6 20	1 8	3 14	0 30	5 49	0 56	20 4	0 23	4 2	2 19	22 44	0 30	22 26	1 2	15 14	7 54	21 30	21 30	20 0	16 54	6 33
S 31	8n43	7s 5	4s18	5n34	1n 3	3s45	0n27	5n34	0n55	20n 1	0n23	4s 4	2n19	22s44	0s30	22s26	1n 2	15n14	7s54	21s28	21s30	20n 0	16s55	6n32

Julian Day Number = 2326844.5, Delta T = 37.36 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'29, Lahiri = 19°05'30Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

SEPTEMBER 1658 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 41 13	8♍35'56	22♎13	20♍ 6	11♎44	18♍44	2♌39	15♎52	18°R 7	1°R54	20♊ 7	6°R34	6♐48	24♉40	27°D 9	S 1
M 2	22 45 10	9°34'11	6♏33	21°49	12°56	19°23	2°51	15°58	18♉ 6	1♉54	20° 7	6♐29	6°44	24°47	27♐ 9	M 2
T 3	22 49 6	10°32'27	20°49	23°30	14° 8	20° 2	3° 3	16° 4	18° 5	1°53	20° 8	6°27	6°41	24°53	27° 9	T 3
W 4	22 53 3	11°30'45	5♐ 0	25°10	15°20	20°40	3°15	16°11	18° 3	1°53	20° 8	6°27	6°38	25° 0	27° 9	W 4
T 5	22 56 59	12°29'05	19° 3	26°49	16°32	21°19	3°26	16°17	18° 2	1°53	20° 8	6°27	6°35	25° 6	27° 9	T 5
F 6	23 0 56	13°27'26	3♉ 0	28°27	17°45	21°58	3°38	16°24	18° 1	1°53	20° 9	6°26	6°32	25°13	27°10	F 6
S 7	23 4 53	14°25'48	16°48	0♎ 4	18°57	22°36	3°50	16°30	18° 0	1°52	20° 9	6°23	6°29	25°20	27°10	S 7
S 8	23 8 49	15°24'12	0♒28	1°40	20° 9	23°15	4° 1	16°37	17°59	1°52	20° 9	6°17	6°25	25°26	27°11	S 8
M 9	23 12 46	16°22'38	13°58	3°15	21°20	23°54	4°13	16°43	17°58	1°52	20° 9	6° 9	6°22	25°33	27°11	M 9
T 10	23 16 42	17°21'06	27°17	4°48	22°32	24°33	4°24	16°50	17°58	1°52	20°10	5°58	6°19	25°40	27°12	T 10
W11	23 20 39	18°19'35	10♓24	6°21	23°44	25°12	4°35	16°57	17°57	1°52	20°10	5°45	6°16	25°46	27°13	W11
T 12	23 24 35	19°18'06	23°16	7°52	24°56	25°50	4°46	17° 3	17°56	1°52	20°10	5°33	6°13	25°53	27°14	T 12
F 13	23 28 32	20°16'39	5♈54	9°22	26° 8	26°29	4°58	17°10	17°55	1°D52	20°10	5°21	6° 9	26° 0	27°15	F 13
S 14	23 32 28	21°15'14	18°17	10°52	27°20	27° 8	5° 9	17°17	17°55	1°52	20°10	5°11	6° 6	26° 6	27°16	S 14
S 15	23 36 25	22°13'51	0♉26	12°20	28°31	27°47	5°20	17°24	17°54	1°52	20°10	5° 4	6° 3	26°13	27°17	S 15
M16	23 40 22	23°12'30	12°24	13°47	29°43	28°26	5°31	17°30	17°53	1°52	20°11	4°59	6° 0	26°20	27°18	M16
T 17	23 44 18	24°11'12	24°15	15°13	0♏55	29° 5	5°41	17°37	17°53	1°52	20°11	4°57	5°57	26°26	27°20	T 17
W18	23 48 15	25° 9'56	6♊ 2	16°38	2° 6	29°44	5°52	17°44	17°52	1°52	20°11	4°D56	5°54	26°33	27°21	W18
T 19	23 52 11	26° 8'42	17°51	18° 2	3°18	0♎23	6° 3	17°51	17°52	1°52	20°11	4°56	5°50	26°40	27°23	T 19
F 20	23 56 8	27° 7'30	29°47	19°25	4°29	1° 2	6°13	17°58	17°52	1°52	20°R11	4°R57	5°47	26°46	27°24	F 20
S 21	0 0 4	28° 6'20	11♋55	20°46	5°41	1°42	6°24	18° 5	17°51	1°53	20°11	4°56	5°44	26°53	27°26	S 21
S 22	0 4 1	29° 5'13	24°21	22° 6	6°52	2°21	6°34	18°12	17°51	1°53	20°11	4°53	5°41	26°59	27°27	S 22
M23	0 7 57	0♎ 4'08	7♌ 9	23°25	8° 4	3° 0	6°45	18°19	17°51	1°53	20°11	4°47	5°38	27° 6	27°29	M23
T 24	0 11 54	1° 3'06	20°22	24°43	9°15	3°39	6°55	18°26	17°51	1°54	20°11	4°40	5°34	27°13	27°31	T 24
W25	0 15 51	2° 2'05	4♍ 2	25°59	10°26	4°18	7° 5	18°33	17°50	1°54	20°10	4°31	5°31	27°19	27°33	W25
T 26	0 19 47	3° 1'07	18° 5	27°14	11°38	4°58	7°15	18°40	17°50	1°54	20°10	4°20	5°28	27°26	27°35	T 26
F 27	0 23 44	4° 0'10	2♎29	28°27	12°49	5°37	7°25	18°48	17°D50	1°55	20°10	4°11	5°25	27°33	27°37	F 27
S 28	0 27 40	4°59'16	17° 7	29°39	14° 0	6°17	7°35	18°55	17°50	1°55	20°10	4° 2	5°22	27°39	27°40	S 28
S 29	0 31 37	5°58'24	1♏52	0♏49	15°11	6°56	7°44	19° 2	17°50	1°56	20°10	3°56	5°19	27°46	27°42	S 29
M30	0 35 33	6♎57'34	16♏36	1♏57	16♏22	7♎35	7♌54	19♎ 9	17♉50	1♉56	20♊10	3♐53	5♐15	27♉53	27♐44	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	8n22	11s56	3s31	4n48	0n57	4s16	0n24	5n18	0n55	19n58	0n23	4s 7	2n19	22s45	0s30	22s26	1n 2	15n14	7s54	21s27	21s29	20n 1	16s55	6n32
M 2	8 0	16 6	2 31	4 2	0 51	4 47	0 21	5 3	0 55	19 56	0 23	4 9	2 19	22 45	0 30	22 26	1 2	15 14	7 54	21 26	21 28	20 2	16 56	6 31
T 3	7 38	19 18	1 22	3 16	0 44	5 18	0 18	4 47	0 54	19 53	0 23	4 12	2 19	22 45	0 30	22 26	1 2	15 14	7 54	21 26	21 28	20 3	16 56	6 31
W 4	7 16	21 18	0 8	2 30	0 38	5 49	0 15	4 32	0 54	19 51	0 23	4 15	2 19	22 45	0 30	22 26	1 2	15 14	7 55	21 25	21 27	20 4	16 57	6 30
T 5	6 53	21 56	1n 6	1 44	0 31	6 20	0 12	4 16	0 53	19 48	0 23	4 17	2 18	22 45	0 30	22 26	1 2	15 13	7 55	21 25	21 27	20 4	16 57	6 30
F 6	6 31	21 11	2 16	0 59	0 24	6 50	0 9	4 0	0 53	19 45	0 23	4 20	2 18	22 45	0 30	22 26	1 2	15 13	7 55	21 25	21 26	20 5	16 58	6 29
S 7	6 8	19 11	3 16	0 14	0 17	7 20	0 6	3 45	0 53	19 43	0 24	4 22	2 18	22 45	0 29	22 27	1 2	15 13	7 55	21 25	21 26	20 6	16 58	6 29
S 8	5 46	16 6	4 5	0s31	0 10	7 51	0 3	3 29	0 52	19 40	0 24	4 25	2 18	22 45	0 29	22 27	1 2	15 13	7 55	21 24	21 25	20 7	16 59	6 28
M 9	5 23	12 13	4 39	1 15	0 2	8 21	0s 0	3 13	0 52	19 38	0 24	4 28	2 18	22 46	0 29	22 27	1 2	15 13	7 55	21 22	21 25	20 7	16 59	6 28
T 10	5 0	7 46	4 58	2 0	0s 5	8 51	0 4	2 57	0 51	19 35	0 24	4 30	2 18	22 46	0 29	22 27	1 2	15 13	7 55	21 20	21 24	20 8	17 0	6 27
W11	4 37	3 3	5 0	2 43	0 13	9 20	0 7	2 42	0 51	19 32	0 24	4 33	2 18	22 46	0 29	22 27	1 1	15 13	7 56	21 18	21 24	20 9	17 0	6 27
T 12	4 15	1n43	4 47	3 26	0 20	9 50	0 10	2 26	0 51	19 30	0 24	4 35	2 18	22 46	0 29	22 27	1 1	15 13	7 56	21 16	21 23	20 10	17 1	6 26
F 13	3 52	6 19	4 20	4 9	0 28	10 19	0 14	2 10	0 50	19 27	0 24	4 38	2 18	22 46	0 29	22 27	1 1	15 13	7 56	21 14	21 22	20 10	17 1	6 26
S 14	3 28	10 35	3 41	4 51	0 36	10 48	0 17	1 54	0 50	19 25	0 25	4 41	2 18	22 46	0 29	22 27	1 1	15 12	7 56	21 12	21 22	20 11	17 2	6 25
S 15	3 5	14 20	2 53	5 33	0 43	11 17	0 20	1 38	0 50	19 22	0 25	4 43	2 17	22 46	0 29	22 27	1 1	15 12	7 56	21 11	21 21	20 12	17 2	6 25
M16	2 42	17 27	1 57	6 14	0 51	11 46	0 24	1 22	0 49	19 20	0 25	4 46	2 17	22 46	0 29	22 27	1 1	15 12	7 56	21 10	21 21	20 13	17 3	6 25
T 17	2 19	19 47	0 57	6 54	0 59	12 14	0 27	1 7	0 49	19 17	0 25	4 49	2 17	22 46	0 29	22 27	1 1	15 12	7 56	21 10	21 20	20 13	17 3	6 24
W18	1 55	21 15	0s 6	7 34	1 6	12 42	0 31	0 51	0 48	19 15	0 25	4 52	2 17	22 46	0 29	22 27	1 1	15 12	7 56	21 9	21 20	20 14	17 4	6 24
T 19	1 32	21 47	1 8	8 14	1 14	13 10	0 34	0 35	0 48	19 12	0 25	4 54	2 17	22 46	0 29	22 27	1 1	15 12	7 57	21 10	21 19	20 15	17 4	6 23
F 20	1 9	21 20	2 9	8 52	1 22	13 38	0 38	0 19	0 47	19 10	0 25	4 57	2 17	22 46	0 29	22 27	1 1	15 12	7 57	21 10	21 19	20 15	17 5	6 23
S 21	0 45	19 54	3 4	9 30	1 29	14 5	0 41	0 3	0 47	19 7	0 26	5 0	2 17	22 46	0 29	22 27	1 1	15 12	7 57	21 9	21 18	20 16	17 5	6 22
S 22	0 22	17 29	3 52	10 7	1 37	14 32	0 45	0s13	0 47	19 5	0 26	5 2	2 17	22 46	0 29	22 27	1 1	15 11	7 57	21 9	21 17	20 17	17 6	6 22
M23	0s 2	14 10	4 30	10 44	1 44	14 59	0 48	0 29	0 46	19 2	0 26	5 5	2 17	22 46	0 29	22 27	1 1	15 11	7 57	21 8	21 17	20 17	17 6	6 21
T 24	0 25	10 3	4 55	11 19	1 51	15 25	0 52	0 45	0 46	19 0	0 26	5 8	2 17	22 46	0 29	22 27	1 1	15 11	7 57	21 7	21 16	20 18	17 7	6 21
W25	0 49	5 19	5 4	11 54	1 59	15 51	0 55	1 1	0 45	18 57	0 26	5 11	2 17	22 46	0 29	22 27	1 1	15 11	7 57	21 5	21 16	20 19	17 7	6 20
T 26	1 12	0 11	4 56	12 28	2 6	16 17	0 59	1 17	0 45	18 55	0 26	5 13	2 17	22 46	0 29	22 27	1 1	15 11	7 57	21 3	21 15	20 19	17 8	6 20
F 27	1 36	5s 6	4 28	13 0	2 13	16 42	1 2	1 33	0 45	18 53	0 26	5 16	2 17	22 46	0 29	22 27	1 1	15 11	7 58	21 1	21 15	20 20	17 8	6 19
S 28	1 59	10 10	3 43	13 32	2 19	17 7	1 6	1 49	0 44	18 50	0 27	5 19	2 17	22 46	0 29	22 27	1 1	15 11	7 58	21 0	21 14	20 21	17 9	6 19
S 29	2 23	14 41	2 43	14 3	2 26	17 31	1 9	2 5	0 44	18 48	0 27	5 22	2 17	22 46	0 29	22 27	1 1	15 10	7 58	20 58	21 14	20 21	17 9	6 18
M30	2s46	18s17	1s31	14s33	2s32	17s55	1s12	2s21	0n43	18n46	0n27	5s24	2n16	22s46	0s29	22s27	1n 1	15n10	7s58	20s58	21s13	20n22	17s10	6n18

Julian Day Number = 2326875.5, Delta T = 37.30 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'33, Lahiri = 19°05'34Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

OCTOBER 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 39 30	7♎56'46	1♐13	3♏ 3	17♏33	8♎15	8♌ 3	19♎16	17♑51	1♑57	20°R 9	3°D52	5♐12	27♉59	27♐47	T 1
W 2	0 43 26	8°55'59	15°38	4° 7	18°44	8°54	8°13	19°23	17°51	1°58	20♊ 9	3♐52	5° 9	28° 6	27°49	W 2
T 3	0 47 23	9°55'14	29°48	5° 8	19°55	9°34	8°22	19°31	17°51	1°58	20° 9	3°53	5° 6	28°13	27°52	T 3
F 4	0 51 20	10°54'31	13♑43	6° 7	21° 6	10°13	8°31	19°38	17°52	1°59	20° 9	3°R53	5° 3	28°19	27°55	F 4
S 5	0 55 16	11°53'50	27°22	7° 3	22°17	10°53	8°40	19°45	17°52	2° 0	20° 8	3°52	5° 0	28°26	27°58	S 5
S 6	0 59 13	12°53'11	10♒47	7°56	23°27	11°33	8°49	19°52	17°52	2° 0	20° 8	3°49	4°56	28°32	28° 0	S 6
M 7	1 3 9	13°52'33	23°57	8°45	24°38	12°12	8°58	20° 0	17°53	2° 1	20° 7	3°43	4°53	28°39	28° 3	M 7
T 8	1 7 6	14°51'57	6♓55	9°31	25°48	12°52	9° 7	20° 7	17°53	2° 2	20° 7	3°36	4°50	28°46	28° 6	T 8
W 9	1 11 2	15°51'23	19°41	10°13	26°59	13°32	9°15	20°14	17°54	2° 3	20° 7	3°27	4°47	28°52	28° 9	W 9
T 10	1 14 59	16°50'51	2♈14	10°50	28° 9	14°11	9°23	20°21	17°55	2° 3	20° 6	3°18	4°44	28°59	28°13	T 10
F 11	1 18 55	17°50'20	14°35	11°23	29°20	14°51	9°32	20°29	17°55	2° 4	20° 6	3°10	4°40	29° 6	28°16	F 11
S 12	1 22 52	18°49'52	26°46	11°50	0♐30	15°31	9°40	20°36	17°56	2° 5	20° 5	3° 3	4°37	29°12	28°19	S 12
S 13	1 26 48	19°49'26	8♉47	12°11	1°40	16°11	9°48	20°43	17°57	2° 6	20° 5	2°58	4°34	29°19	28°22	S 13
M14	1 30 45	20°49'02	20°41	12°26	2°50	16°51	9°56	20°51	17°58	2° 7	20° 4	2°56	4°31	29°26	28°26	M14
T 15	1 34 42	21°48'40	2♊29	12°34	4° 0	17°31	10° 4	20°58	17°58	2° 8	20° 4	2°D55	4°28	29°32	28°29	T 15
W16	1 38 38	22°48'21	14°15	12°R34	5°10	18°11	10°11	21° 5	17°59	2° 9	20° 3	2°55	4°25	29°39	28°33	W16
T 17	1 42 35	23°48'04	26° 3	12°26	6°20	18°51	10°19	21°12	18° 0	2°10	20° 3	2°57	4°21	29°46	28°37	T 17
F 18	1 46 31	24°47'49	7♋58	12°10	7°30	19°31	10°26	21°20	18° 1	2°11	20° 2	2°58	4°18	29°52	28°40	F 18
S 19	1 50 28	25°47'36	20° 5	11°45	8°40	20°11	10°34	21°27	18° 3	2°13	20° 2	3° 0	4°15	29°59	28°44	S 19
S 20	1 54 24	26°47'25	2♌28	11°11	9°49	20°51	10°41	21°34	18° 4	2°14	20° 1	3°R 0	4°12	0♊ 6	28°48	S 20
M21	1 58 21	27°47'17	15°13	10°28	10°59	21°31	10°48	21°42	18° 5	2°15	20° 0	2°58	4° 9	0°12	28°52	M21
T 22	2 2 17	28°47'11	28°22	9°36	12° 8	22°11	10°55	21°49	18° 6	2°16	20° 0	2°55	4° 5	0°19	28°56	T 22
W23	2 6 14	29°47'07	12♍ 0	8°37	13°18	22°52	11° 1	21°56	18° 7	2°17	19°59	2°51	4° 2	0°25	29° 0	W23
T 24	2 10 11	0♏47'05	26° 5	7°30	14°27	23°32	11° 8	22° 3	18° 9	2°19	19°58	2°46	3°59	0°32	29° 4	T 24
F 25	2 14 7	1°47'05	10♎36	6°17	15°36	24°12	11°14	22°11	18°10	2°20	19°58	2°41	3°56	0°39	29° 8	F 25
S 26	2 18 4	2°47'07	25°27	5° 1	16°45	24°53	11°20	22°18	18°12	2°21	19°57	2°37	3°53	0°45	29°12	S 26
S 27	2 22 0	3°47'12	10♏30	3°43	17°54	25°33	11°26	22°25	18°13	2°23	19°56	2°34	3°50	0°52	29°17	S 27
M28	2 25 57	4°47'18	25°35	2°26	19° 3	26°13	11°32	22°32	18°15	2°24	19°55	2°D33	3°46	0°59	29°21	M28
T 29	2 29 53	5°47'26	10♐35	1°13	20°12	26°54	11°38	22°39	18°16	2°26	19°54	2°33	3°43	1° 5	29°25	T 29
W30	2 33 50	6°47'35	25°21	0° 5	21°21	27°34	11°44	22°47	18°18	2°27	19°54	2°34	3°40	1°12	29°30	W30
T 31	2 37 46	7♏47'47	9♑47	29♎ 4	22♐29	28♎15	11♌49	22♎54	18♑19	2♑29	19♊53	2♐35	3♐37	1♊19	29♐34	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	3s 9	20s40	0s14	15s 1	2s38	18s19	1s16	2s37	0n43	18n43	0n27	5s27	2n16	22s46	0s29	22s28	1n 1	15n10	7s58	20s58	21s12	20n23	17s10	6n17
W 2	3 33	21 40	1n 3	15 29	2 44	18 42	1 19	2 53	0 42	18 41	0 27	5 30	2 16	22 46	0 29	22 28	1 1	15 10	7 58	20 58	21 12	20 23	17 11	6 17
T 3	3 56	21 14	2 15	15 55	2 49	19 5	1 23	3 9	0 42	18 39	0 27	5 33	2 16	22 46	0 29	22 28	1 1	15 10	7 58	20 58	21 11	20 24	17 11	6 17
F 4	4 19	19 30	3 18	16 19	2 54	19 27	1 26	3 25	0 42	18 37	0 28	5 35	2 16	22 46	0 29	22 28	1 0	15 10	7 58	20 58	21 11	20 25	17 12	6 16
S 5	4 43	16 40	4 8	16 42	2 59	19 49	1 30	3 41	0 41	18 34	0 28	5 38	2 16	22 46	0 29	22 28	1 0	15 10	7 59	20 58	21 10	20 25	17 12	6 16
S 6	5 6	13 1	4 43	17 4	3 3	20 10	1 33	3 57	0 41	18 32	0 28	5 41	2 16	22 46	0 29	22 28	1 0	15 9	7 59	20 57	21 10	20 26	17 13	6 15
M 7	5 29	8 47	5 3	17 23	3 7	20 31	1 36	4 13	0 40	18 30	0 28	5 44	2 16	22 46	0 29	22 28	1 0	15 9	7 59	20 56	21 9	20 27	17 13	6 15
T 8	5 52	4 14	5 7	17 41	3 10	20 51	1 40	4 29	0 40	18 28	0 28	5 46	2 16	22 46	0 29	22 28	1 0	15 9	7 59	20 55	21 8	20 27	17 14	6 14
W 9	6 15	0n26	4 55	17 57	3 12	21 11	1 43	4 45	0 39	18 26	0 28	5 49	2 16	22 46	0 29	22 28	1 0	15 9	7 59	20 53	21 8	20 28	17 14	6 14
T 10	6 38	5 1	4 30	18 10	3 14	21 30	1 46	5 1	0 39	18 24	0 29	5 52	2 16	22 46	0 29	22 28	1 0	15 9	7 59	20 51	21 7	20 28	17 15	6 13
F 11	7 1	9 19	3 52	18 22	3 15	21 49	1 49	5 16	0 38	18 22	0 29	5 55	2 16	22 45	0 29	22 28	1 0	15 9	7 59	20 50	21 7	20 29	17 15	6 13
S 12	7 23	13 11	3 3	18 30	3 15	22 7	1 52	5 32	0 38	18 20	0 29	5 57	2 16	22 45	0 29	22 28	1 0	15 9	7 59	20 48	21 6	20 30	17 16	6 13
S 13	7 46	16 28	2 7	18 36	3 15	22 25	1 55	5 48	0 37	18 18	0 29	6 0	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 5	20 30	17 16	6 12
M14	8 8	19 1	1 6	18 39	3 13	22 42	1 59	6 4	0 37	18 16	0 29	6 3	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 5	20 31	17 17	6 12
T 15	8 31	20 44	0 2	18 39	3 10	22 59	2 2	6 19	0 37	18 14	0 29	6 6	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 4	20 31	17 17	6 11
W16	8 53	21 32	1s 1	18 35	3 6	23 15	2 5	6 35	0 36	18 12	0 30	6 8	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 4	20 32	17 18	6 11
T 17	9 15	21 23	2 3	18 27	3 0	23 30	2 7	6 51	0 36	18 10	0 30	6 11	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 3	20 32	17 18	6 11
F 18	9 37	20 15	3 0	18 16	2 53	23 45	2 10	7 6	0 35	18 8	0 30	6 14	2 16	22 45	0 29	22 28	1 0	15 8	8 0	20 47	21 3	20 33	17 18	6 10
S 19	9 59	18 12	3 49	18 0	2 44	23 59	2 13	7 22	0 35	18 6	0 30	6 16	2 16	22 44	0 29	22 28	1 0	15 8	8 0	20 48	21 2	20 33	17 19	6 10
S 20	10 21	15 16	4 30	17 39	2 34	24 12	2 16	7 38	0 34	18 5	0 30	6 19	2 16	22 44	0 29	22 28	1 0	15 7	8 0	20 48	21 1	20 34	17 19	6 9
M21	10 42	11 33	4 58	17 14	2 22	24 25	2 19	7 53	0 34	18 3	0 31	6 22	2 16	22 44	0 29	22 28	1 0	15 7	8 0	20 47	21 1	20 35	17 20	6 9
T 22	11 4	7 11	5 12	16 44	2 8	24 37	2 21	8 8	0 33	18 1	0 31	6 24	2 16	22 44	0 29	22 28	1 0	15 7	8 0	20 47	21 0	20 35	17 20	6 9
W23	11 25	2 19	5 9	16 10	1 52	24 49	2 24	8 24	0 33	18 0	0 31	6 27	2 16	22 44	0 29	22 28	1 0	15 7	8 1	20 46	21 0	20 36	17 20	6 8
T 24	11 46	2s50	4 47	15 32	1 35	25 0	2 26	8 39	0 32	17 58	0 31	6 30	2 16	22 43	0 29	22 28	1 0	15 7	8 1	20 45	20 59	20 36	17 21	6 8
F 25	12 7	8 0	4 7	14 50	1 16	25 10	2 29	8 55	0 32	17 56	0 31	6 32	2 16	22 43	0 29	22 28	1 0	15 7	8 1	20 44	20 58	20 37	17 21	6 8
S 26	12 28	12 48	3 10	14 6	0 56	25 19	2 31	9 10	0 31	17 55	0 32	6 35	2 16	22 43	0 29	22 28	1 0	15 7	8 1	20 43	20 58	20 37	17 22	6 7
S 27	12 48	16 52	1 58	13 21	0 36	25 28	2 33	9 25	0 31	17 53	0 32	6 38	2 17	22 43	0 29	22 28	1 0	15 6	8 1	20 43	20 57	20 38	17 22	6 7
M28	13 8	19 49	0 38	12 35	0 15	25 37	2 35	9 40	0 30	17 52	0 32	6 40	2 17	22 43	0 29	22 28	0 59	15 6	8 1	20 42	20 57	20 38	17 22	6 7
T 29	13 29	21 21	0n44	11 50	0n 5	25 44	2 37	9 55	0 30	17 50	0 32	6 43	2 17	22 42	0 29	22 28	0 59	15 6	8 1	20 42	20 56	20 39	17 23	6 6
W30	13 48	21 22	2 2	11 8	0 25	25 51	2 39	10 10	0 29	17 49	0 32	6 45	2 17	22 42	0 29	22 28	0 59	15 6	8 1	20 43	20 55	20 39	17 23	6 6
T 31	14s 8	19s57	3n11	10s29	0n44	25s57	2s41	10s25	0n29	17n48	0n33	6s48	2n17	22s42	0s29	22s28	0n59	15n 6	8s 1	20s43	20s55	20n40	17s23	6n 6

Julian Day Number = 2326905.5, Delta T = 37.24 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'37, Lahiri = 19°05'38Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

NOVEMBER 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 41 43	8♏47'59	23♉52	28°R13	23♐37	28♎55	11♌54	23♎ 1	18♉21	2♉30	19°R52	2♐37	3♐34	1♊25	29♐39	F 1
S 2	2 45 40	9°48'14	7♒35	27♎33	24°46	29°36	11°59	23° 8	18°23	2°32	19♊51	2°R37	3°31	1°32	29°44	S 2
S 3	2 49 36	10°48'29	20°56	27° 4	25°54	0♏17	12° 4	23°15	18°25	2°33	19°50	2°37	3°27	1°39	29°48	S 3
M 4	2 53 33	11°48'46	3♓57	26°47	27° 2	0°57	12° 9	23°22	18°27	2°35	19°49	2°36	3°24	1°45	29°53	M 4
T 5	2 57 29	12°49'05	16°41	26°D41	28°10	1°38	12°14	23°29	18°28	2°36	19°49	2°33	3°21	1°52	29°58	T 5
W 6	3 1 26	13°49'25	29°11	26°46	29°17	2°19	12°18	23°36	18°30	2°38	19°48	2°31	3°18	1°58	0♑ 3	W 6
T 7	3 5 22	14°49'46	11♈28	27° 2	0♑25	2°59	12°22	23°43	18°32	2°40	19°47	2°28	3°15	2° 5	0° 8	T 7
F 8	3 9 19	15°50'09	23°35	27°28	1°32	3°40	12°26	23°50	18°34	2°41	19°46	2°25	3°11	2°12	0°13	F 8
S 9	3 13 15	16°50'34	5♉34	28° 3	2°39	4°21	12°30	23°57	18°36	2°43	19°45	2°23	3° 8	2°18	0°18	S 9
S 10	3 17 12	17°51'00	17°28	28°46	3°46	5° 2	12°34	24° 4	18°39	2°45	19°44	2°21	3° 5	2°25	0°23	S 10
M11	3 21 9	18°51'28	29°17	29°36	4°53	5°43	12°38	24°11	18°41	2°46	19°43	2°D21	3° 2	2°32	0°28	M11
T 12	3 25 5	19°51'58	11♊ 4	0♏32	6° 0	6°24	12°41	24°18	18°43	2°48	19°42	2°21	2°59	2°38	0°33	T 12
W13	3 29 2	20°52'29	22°52	1°34	7° 6	7° 5	12°44	24°24	18°45	2°50	19°41	2°22	2°56	2°45	0°38	W13
T 14	3 32 58	21°53'02	4♋43	2°41	8°13	7°46	12°47	24°31	18°47	2°52	19°40	2°23	2°52	2°52	0°43	T 14
F 15	3 36 55	22°53'36	16°40	3°52	9°19	8°27	12°50	24°38	18°50	2°54	19°39	2°24	2°49	2°58	0°48	F 15
S 16	3 40 51	23°54'13	28°48	5° 6	10°25	9° 8	12°53	24°45	18°52	2°55	19°38	2°25	2°46	3° 5	0°54	S 16
S 17	3 44 48	24°54'51	11♌10	6°23	11°30	9°49	12°55	24°51	18°54	2°57	19°37	2°25	2°43	3°12	0°59	S 17
M18	3 48 44	25°55'30	23°51	7°43	12°36	10°31	12°57	24°58	18°57	2°59	19°36	2°R25	2°40	3°18	1° 4	M18
T 19	3 52 41	26°56'11	6♍53	9° 5	13°41	11°12	12°59	25° 4	18°59	3° 1	19°35	2°25	2°37	3°25	1°10	T 19
W20	3 56 38	27°56'54	20°21	10°29	14°46	11°53	13° 1	25°11	19° 2	3° 3	19°34	2°25	2°33	3°31	1°15	W20
T 21	4 0 34	28°57'39	4♎16	11°55	15°50	12°34	13° 3	25°17	19° 4	3° 5	19°32	2°25	2°30	3°38	1°21	T 21
F 22	4 4 31	29°58'25	18°38	13°22	16°55	13°16	13° 5	25°24	19° 7	3° 7	19°31	2°24	2°27	3°45	1°26	F 22
S 23	4 8 27	0♐59'13	3♏23	14°50	17°59	13°57	13° 6	25°30	19°10	3° 9	19°30	2°24	2°24	3°51	1°32	S 23
S 24	4 12 24	2° 0'02	18°27	16°19	19° 3	14°39	13° 7	25°37	19°12	3°11	19°29	2°D24	2°21	3°58	1°38	S 24
M25	4 16 20	3° 0'52	3♐40	17°48	20° 7	15°20	13° 8	25°43	19°15	3°13	19°28	2°R24	2°17	4° 5	1°43	M25
T 26	4 20 17	4° 1'44	18°53	19°19	21°10	16° 2	13° 9	25°49	19°18	3°15	19°27	2°24	2°14	4°11	1°49	T 26
W27	4 24 13	5° 2'37	3♑56	20°49	22°13	16°43	13° 9	25°55	19°20	3°17	19°26	2°24	2°11	4°18	1°55	W27
T 28	4 28 10	6° 3'31	18°41	22°20	23°16	17°25	13° 9	26° 2	19°23	3°19	19°25	2°24	2° 8	4°25	2° 0	T 28
F 29	4 32 7	7° 4'26	3♒ 2	23°52	24°18	18° 6	13°R 9	26° 8	19°26	3°21	19°24	2°23	2° 5	4°31	2° 6	F 29
S 30	4 36 3	8♐ 5'21	16♒57	25♏24	25♑20	18♏48	13♌ 9	26♎14	19♑29	3♑23	19♊22	2♐23	2♐ 2	4♊38	2♑12	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	14s28	17s19	4n 6	9s54	1n 2	26s 3	2s43	10s40	0n28	17n46	0n33	6s51	2n17	22s42	0s29	22s28	0n59	15n 6	8s 1	20s43	20s54	20n40	17s24	6n 5
S 2	14 47	13 48	4 46	9 25	1 18	26 7	2 45	10 55	0 28	17 45	0 33	6 53	2 17	22 41	0 29	22 28	0 59	15 6	8 1	20 43	20 54	20 41	17 24	6 5
S 3	15 6	9 39	5 9	9 1	1 32	26 11	2 46	11 10	0 27	17 44	0 33	6 56	2 17	22 41	0 29	22 28	0 59	15 5	8 1	20 43	20 53	20 41	17 24	6 5
M 4	15 24	5 10	5 16	8 44	1 44	26 15	2 48	11 25	0 27	17 43	0 33	6 58	2 17	22 41	0 28	22 28	0 59	15 5	8 2	20 43	20 52	20 42	17 25	6 4
T 5	15 43	0 34	5 6	8 32	1 54	26 18	2 49	11 39	0 26	17 42	0 34	7 1	2 17	22 41	0 28	22 28	0 59	15 5	8 2	20 43	20 52	20 42	17 25	6 4
W 6	16 1	3n59	4 42	8 26	2 3	26 19	2 51	11 54	0 26	17 41	0 34	7 3	2 17	22 40	0 28	22 28	0 59	15 5	8 2	20 42	20 51	20 43	17 25	6 4
T 7	16 19	8 19	4 6	8 25	2 10	26 21	2 52	12 8	0 25	17 40	0 34	7 6	2 17	22 40	0 28	22 28	0 59	15 5	8 2	20 41	20 51	20 43	17 26	6 3
F 8	16 37	12 15	3 19	8 30	2 15	26 21	2 53	12 23	0 25	17 39	0 34	7 8	2 17	22 40	0 28	22 28	0 59	15 5	8 2	20 41	20 50	20 44	17 26	6 3
S 9	16 54	15 39	2 23	8 39	2 18	26 21	2 54	12 37	0 24	17 38	0 34	7 11	2 17	22 39	0 28	22 28	0 59	15 5	8 2	20 40	20 49	20 44	17 26	6 3
S 10	17 11	18 23	1 22	8 52	2 20	26 20	2 55	12 51	0 24	17 37	0 35	7 13	2 17	22 39	0 28	22 28	0 59	15 5	8 2	20 40	20 49	20 44	17 26	6 3
M11	17 28	20 19	0 17	9 9	2 21	26 19	2 56	13 5	0 23	17 36	0 35	7 16	2 18	22 39	0 28	22 28	0 59	15 4	8 2	20 40	20 48	20 45	17 27	6 2
T 12	17 44	21 21	0s48	9 29	2 21	26 17	2 56	13 19	0 23	17 36	0 35	7 18	2 18	22 38	0 28	22 28	0 59	15 4	8 2	20 40	20 48	20 45	17 27	6 2
W13	18 0	21 26	1 52	9 51	2 20	26 14	2 57	13 33	0 22	17 35	0 35	7 20	2 18	22 38	0 28	22 28	0 59	15 4	8 2	20 40	20 47	20 46	17 27	6 2
T 14	18 16	20 34	2 50	10 16	2 18	26 10	2 57	13 47	0 21	17 34	0 35	7 23	2 18	22 38	0 28	22 28	0 59	15 4	8 2	20 40	20 46	20 46	17 27	6 2
F 15	18 32	18 46	3 42	10 43	2 15	26 6	2 57	14 1	0 21	17 34	0 36	7 25	2 18	22 37	0 28	22 28	0 59	15 4	8 2	20 41	20 46	20 47	17 27	6 1
S 16	18 47	16 7	4 25	11 11	2 11	26 1	2 57	14 15	0 20	17 33	0 36	7 28	2 18	22 37	0 28	22 28	0 59	15 4	8 2	20 41	20 45	20 47	17 28	6 1
S 17	19 2	12 42	4 57	11 40	2 7	25 56	2 57	14 28	0 20	17 33	0 36	7 30	2 18	22 37	0 28	22 28	0 59	15 4	8 2	20 41	20 44	20 47	17 28	6 1
M18	19 16	8 39	5 15	12 11	2 2	25 50	2 57	14 42	0 19	17 32	0 36	7 32	2 18	22 36	0 28	22 28	0 59	15 4	8 2	20 41	20 44	20 48	17 28	6 1
T 19	19 31	4 5	5 17	12 42	1 57	25 43	2 57	14 55	0 19	17 32	0 37	7 34	2 18	22 36	0 28	22 28	0 59	15 4	8 2	20 41	20 43	20 48	17 28	6 1
W20	19 44	0s49	5 3	13 14	1 52	25 35	2 57	15 8	0 18	17 31	0 37	7 37	2 19	22 36	0 28	22 28	0 59	15 3	8 2	20 41	20 43	20 49	17 28	6 0
T 21	19 58	5 50	4 30	13 46	1 46	25 27	2 56	15 22	0 18	17 31	0 37	7 39	2 19	22 35	0 28	22 28	0 59	15 3	8 2	20 41	20 42	20 49	17 28	6 0
F 22	20 11	10 43	3 40	14 18	1 39	25 18	2 55	15 35	0 17	17 31	0 37	7 41	2 19	22 35	0 28	22 28	0 59	15 3	8 2	20 41	20 41	20 49	17 29	6 0
S 23	20 24	15 5	2 35	14 50	1 33	25 9	2 54	15 48	0 16	17 31	0 37	7 43	2 19	22 35	0 28	22 28	0 59	15 3	8 2	20 41	20 41	20 50	17 29	6 0
S 24	20 36	18 35	1 17	15 22	1 26	24 59	2 53	16 0	0 16	17 31	0 38	7 46	2 19	22 34	0 28	22 28	0 59	15 3	8 2	20 41	20 40	20 50	17 29	6 0
M25	20 48	20 48	0n 7	15 54	1 20	24 48	2 52	16 13	0 15	17 31	0 38	7 48	2 19	22 34	0 28	22 28	0 59	15 3	8 2	20 41	20 39	20 51	17 29	5 59
T 26	20 59	21 31	1 30	16 25	1 13	24 37	2 51	16 26	0 15	17 31	0 38	7 50	2 19	22 33	0 28	22 28	0 59	15 3	8 2	20 41	20 39	20 51	17 29	5 59
W27	21 11	20 39	2 47	16 56	1 6	24 26	2 49	16 38	0 14	17 31	0 38	7 52	2 19	22 33	0 28	22 28	0 59	15 3	8 2	20 41	20 38	20 51	17 29	5 59
T 28	21 21	18 23	3 50	17 26	0 59	24 13	2 47	16 51	0 14	17 31	0 39	7 54	2 20	22 33	0 28	22 28	0 59	15 3	8 2	20 41	20 38	20 52	17 29	5 59
F 29	21 32	15 1	4 37	17 56	0 52	24 1	2 46	17 3	0 13	17 31	0 39	7 56	2 20	22 32	0 28	22 28	0 59	15 3	8 2	20 41	20 37	20 52	17 29	5 59
S 30	21s42	10s55	5n 7	18s26	0n44	23s47	2s44	17s15	0n12	17n31	0n39	7s58	2n20	22s32	0s28	22s28	0n58	15n 3	8s 2	20s40	20s36	20n52	17s29	5n59

Julian Day Number = 2326936.5, Delta T = 37.18 sec
Ecliptic obliquity = 23°28'57, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'42, Lahiri = 19°05'42Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1658
geocentric

DECEMBER 1658 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 0	9♐ 6'17	0♓24	26♏56	26♑22	19♏30	13°R 9	26♎20	19♑32	3♑25	19°R21	2°R22	1♐58	4♊45	2♑18	S 1
M 2	4 43 56	10° 7'14	13°26	28°28	27°23	20°12	13♌ 9	26°26	19°35	3°27	19♊20	2°D22	1°55	4°51	2°23	M 2
T 3	4 47 53	11° 8'12	26° 7	0♐ 1	28°24	20°53	13° 8	26°32	19°38	3°30	19°19	2♐22	1°52	4°58	2°29	T 3
W 4	4 51 49	12° 9'10	8♈29	1°33	29°25	21°35	13° 7	26°38	19°41	3°32	19°18	2°23	1°49	5° 5	2°35	W 4
T 5	4 55 46	13°10'09	20°37	3° 6	0♒25	22°17	13° 6	26°43	19°44	3°34	19°17	2°24	1°46	5°11	2°41	T 5
F 6	4 59 42	14°11'08	2♉35	4°39	1°25	22°59	13° 5	26°49	19°47	3°36	19°15	2°25	1°43	5°18	2°47	F 6
S 7	5 3 39	15°12'08	14°26	6°12	2°24	23°41	13° 3	26°55	19°50	3°38	19°14	2°26	1°39	5°24	2°53	S 7
S 8	5 7 36	16°13'09	26°14	7°45	3°23	24°23	13° 2	27° 0	19°53	3°40	19°13	2°27	1°36	5°31	2°59	S 8
M 9	5 11 32	17°14'11	8♊ 1	9°18	4°21	25° 5	13° 0	27° 6	19°56	3°43	19°12	2°R27	1°33	5°38	3° 5	M 9
T 10	5 15 29	18°15'13	19°51	10°51	5°19	25°47	12°58	27°11	19°59	3°45	19°11	2°26	1°30	5°44	3°11	T 10
W11	5 19 25	19°16'16	1♋44	12°25	6°16	26°29	12°56	27°17	20° 2	3°47	19°10	2°25	1°27	5°51	3°17	W11
T 12	5 23 22	20°17'20	13°42	13°58	7°13	27°11	12°53	27°22	20° 5	3°49	19° 8	2°22	1°23	5°58	3°23	T 12
F 13	5 27 18	21°18'25	25°49	15°32	8° 9	27°53	12°51	27°27	20° 8	3°51	19° 7	2°19	1°20	6° 4	3°29	F 13
S 14	5 31 15	22°19'30	8♌ 5	17° 6	9° 5	28°35	12°48	27°33	20°12	3°54	19° 6	2°16	1°17	6°11	3°35	S 14
S 15	5 35 11	23°20'36	20°33	18°40	10° 0	29°18	12°45	27°38	20°15	3°56	19° 5	2°13	1°14	6°18	3°41	S 15
M16	5 39 8	24°21'42	3♍16	20°14	10°54	0♐ 0	12°42	27°43	20°18	3°58	19° 4	2°10	1°11	6°24	3°47	M16
T 17	5 43 5	25°22'50	16°16	21°48	11°48	0°42	12°38	27°48	20°21	4° 0	19° 2	2° 9	1° 8	6°31	3°53	T 17
W18	5 47 1	26°23'58	29°36	23°23	12°41	1°25	12°35	27°53	20°25	4° 3	19° 1	2°D 9	1° 4	6°38	3°59	W18
T 19	5 50 58	27°25'07	13♎18	24°57	13°33	2° 7	12°31	27°57	20°28	4° 5	19° 0	2° 9	1° 1	6°44	4° 5	T 19
F 20	5 54 54	28°26'16	27°23	26°32	14°25	2°50	12°27	28° 2	20°31	4° 7	18°59	2°11	0°58	6°51	4°11	F 20
S 21	5 58 51	29°27'26	11♏50	28° 7	15°16	3°32	12°23	28° 7	20°35	4° 9	18°58	2°12	0°55	6°57	4°18	S 21
S 22	6 2 47	0♑28'37	26°37	29°43	16° 6	4°15	12°19	28°12	20°38	4°12	18°57	2°R13	0°52	7° 4	4°24	S 22
M23	6 6 44	1°29'48	11♐38	1♑19	16°55	4°57	12°14	28°16	20°41	4°14	18°56	2°13	0°49	7°11	4°30	M23
T 24	6 10 40	2°31'00	26°45	2°55	17°43	5°40	12° 9	28°21	20°45	4°16	18°54	2°11	0°45	7°17	4°36	T 24
W25	6 14 37	3°32'11	11♑49	4°31	18°31	6°22	12° 5	28°25	20°48	4°19	18°53	2° 8	0°42	7°24	4°42	W25
T 26	6 18 34	4°33'23	26°42	6° 7	19°17	7° 5	12° 0	28°29	20°52	4°21	18°52	2° 4	0°39	7°31	4°48	T 26
F 27	6 22 30	5°34'35	11♒14	7°44	20° 3	7°48	11°55	28°33	20°55	4°23	18°51	1°58	0°36	7°37	4°54	F 27
S 28	6 26 27	6°35'46	25°20	9°22	20°47	8°31	11°49	28°38	20°59	4°25	18°50	1°53	0°33	7°44	5° 0	S 28
S 29	6 30 23	7°36'58	8♓57	10°59	21°31	9°13	11°44	28°42	21° 2	4°28	18°49	1°48	0°29	7°51	5° 7	S 29
M30	6 34 20	8°38'09	22° 7	12°37	22°13	9°56	11°38	28°46	21° 6	4°30	18°48	1°45	0°26	7°57	5°13	M30
T 31	6 38 16	9♑39'19	4♈51	14♑15	22♒55	10♐39	11♌33	28♎49	21♑ 9	4♑32	18♊47	1°D44	0♐23	8♊ 4	5♑19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s51	6s23	5n18	18s54	0n37	23s33	2s41	17s27	0n12	17n32	0n39	8s 0	2n20	22s31	0s28	22s28	0n58	15n 2	8s 2	20s40	20s36	20n53	17s29	5n59
M 2	22 0	1 43	5 12	19 22	0 30	23 19	2 39	17 39	0 11	17 32	0 39	8 2	2 20	22 31	0 28	22 28	0 58	15 2	8 2	20 40	20 35	20 53	17 29	5 58
T 3	22 9	2n54	4 51	19 49	0 23	23 4	2 36	17 50	0 11	17 32	0 40	8 4	2 20	22 30	0 28	22 28	0 58	15 2	8 2	20 40	20 34	20 53	17 29	5 58
W 4	22 17	7 18	4 17	20 15	0 16	22 49	2 34	18 2	0 10	17 33	0 40	8 6	2 20	22 30	0 28	22 28	0 58	15 2	8 2	20 41	20 34	20 54	17 29	5 58
T 5	22 25	11 20	3 32	20 40	0 9	22 33	2 31	18 13	0 9	17 33	0 40	8 8	2 21	22 30	0 28	22 28	0 58	15 2	8 2	20 41	20 33	20 54	17 29	5 58
F 6	22 33	14 52	2 38	21 5	0 2	22 17	2 28	18 25	0 9	17 34	0 40	8 10	2 21	22 29	0 28	22 28	0 58	15 2	8 2	20 41	20 32	20 54	17 29	5 58
S 7	22 40	17 46	1 38	21 28	0s 5	22 0	2 24	18 36	0 8	17 35	0 41	8 12	2 21	22 29	0 28	22 28	0 58	15 2	8 2	20 41	20 32	20 55	17 29	5 58
S 8	22 46	19 54	0 34	21 50	0 12	21 43	2 21	18 47	0 8	17 35	0 41	8 14	2 21	22 28	0 28	22 28	0 58	15 2	8 2	20 41	20 31	20 55	17 29	5 58
M 9	22 52	21 11	0s31	22 12	0 19	21 26	2 17	18 57	0 7	17 36	0 41	8 16	2 21	22 28	0 28	22 28	0 58	15 2	8 2	20 41	20 30	20 55	17 29	5 58
T 10	22 58	21 31	1 35	22 32	0 25	21 8	2 13	19 8	0 6	17 37	0 41	8 17	2 22	22 27	0 28	22 27	0 58	15 2	8 2	20 41	20 30	20 56	17 29	5 58
W11	23 3	20 53	2 35	22 51	0 32	20 49	2 9	19 19	0 6	17 38	0 41	8 19	2 22	22 27	0 28	22 27	0 58	15 2	8 2	20 41	20 29	20 56	17 29	5 58
T 12	23 8	19 19	3 29	23 9	0 38	20 31	2 5	19 29	0 5	17 39	0 42	8 21	2 22	22 26	0 28	22 27	0 58	15 2	8 2	20 40	20 29	20 56	17 29	5 58
F 13	23 12	16 52	4 14	23 26	0 44	20 12	2 0	19 39	0 5	17 39	0 42	8 23	2 22	22 26	0 28	22 27	0 58	15 2	8 2	20 40	20 28	20 56	17 29	5 58
S 14	23 16	13 38	4 48	23 42	0 51	19 53	1 56	19 49	0 4	17 40	0 42	8 24	2 22	22 25	0 28	22 27	0 58	15 2	8 2	20 39	20 27	20 57	17 29	5 58
S 15	23 19	9 47	5 9	23 56	0 57	19 33	1 51	19 59	0 3	17 42	0 42	8 26	2 22	22 25	0 28	22 27	0 58	15 2	8 2	20 38	20 27	20 57	17 28	5 58
M16	23 22	5 25	5 15	24 9	1 2	19 13	1 46	20 9	0 3	17 43	0 43	8 28	2 23	22 24	0 28	22 27	0 58	15 2	8 2	20 38	20 26	20 57	17 28	5 58
T 17	23 24	0 44	5 6	24 22	1 8	18 53	1 40	20 18	0 2	17 44	0 43	8 29	2 23	22 24	0 28	22 27	0 58	15 2	8 2	20 38	20 25	20 58	17 28	5 58
W18	23 26	4s 7	4 40	24 32	1 13	18 33	1 35	20 27	0 1	17 45	0 43	8 31	2 23	22 23	0 28	22 27	0 58	15 2	8 2	20 38	20 25	20 58	17 28	5 58
T 19	23 27	8 54	3 58	24 42	1 19	18 12	1 29	20 37	0 1	17 46	0 43	8 32	2 23	22 23	0 28	22 27	0 58	15 2	8 2	20 38	20 24	20 58	17 28	5 58
F 20	23 28	13 22	3 0	24 50	1 24	17 51	1 23	20 46	0 0	17 48	0 44	8 34	2 23	22 22	0 28	22 27	0 58	15 2	8 1	20 38	20 23	20 58	17 28	5 58
S 21	23 29	17 9	1 50	24 57	1 29	17 30	1 17	20 54	0s 1	17 49	0 44	8 35	2 24	22 22	0 28	22 27	0 58	15 2	8 1	20 38	20 23	20 59	17 27	5 58
S 22	23 29	19 56	0 31	25 2	1 33	17 9	1 10	21 3	0 1	17 50	0 44	8 37	2 24	22 21	0 28	22 27	0 58	15 2	8 1	20 39	20 22	20 59	17 27	5 58
M23	23 28	21 22	0n51	25 6	1 38	16 48	1 3	21 11	0 2	17 52	0 44	8 38	2 24	22 21	0 28	22 27	0 58	15 2	8 1	20 39	20 21	20 59	17 27	5 58
T 24	23 27	21 16	2 11	25 9	1 42	16 26	0 56	21 20	0 2	17 53	0 44	8 39	2 24	22 20	0 28	22 27	0 58	15 2	8 1	20 38	20 21	20 59	17 27	5 58
W25	23 26	19 38	3 20	25 10	1 46	16 5	0 49	21 28	0 3	17 55	0 45	8 41	2 24	22 20	0 28	22 27	0 58	15 2	8 1	20 38	20 20	20 59	17 26	5 58
T 26	23 24	16 41	4 15	25 9	1 49	15 43	0 41	21 36	0 4	17 57	0 45	8 42	2 25	22 19	0 28	22 27	0 58	15 2	8 1	20 37	20 19	21 0	17 26	5 58
F 27	23 22	12 45	4 52	25 8	1 52	15 21	0 34	21 43	0 4	17 58	0 45	8 43	2 25	22 19	0 28	22 27	0 58	15 2	8 1	20 36	20 19	21 0	17 26	5 58
S 28	23 19	8 14	5 10	25 4	1 55	15 0	0 26	21 51	0 5	18 0	0 45	8 45	2 25	22 18	0 28	22 26	0 58	15 2	8 1	20 35	20 18	21 0	17 26	5 58
S 29	23 16	3 26	5 10	24 59	1 58	14 38	0 17	21 58	0 6	18 2	0 45	8 46	2 25	22 18	0 28	22 26	0 58	15 2	8 1	20 34	20 17	21 0	17 25	5 58
M30	23 12	1n21	4 53	24 53	2 1	14 16	0 9	22 5	0 6	18 3	0 46	8 47	2 26	22 17	0 28	22 26	0 58	15 2	8 1	20 33	20 17	21 1	17 25	5 58
T 31	23s 8	5n56	4n22	24s45	2s 3	13s54	0n 0	22s12	0s 7	18n 5	0n46	8s48	2n26	22s17	0s28	22s26	0n58	15n 2	8s 0	20s33	20s16	21n 1	17s25	5n58

Julian Day Number = 2326966.5, Delta T = 37.13 sec
Ecliptic obliquity = 23°28'56, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°58'46, Lahiri = 19°05'46Greg. Calendar