



Astrodienst Ephemeris Tables for the year 1635

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 EPHEMERIS for the year 1635
geocentric

JANUARY 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 41 28	10°32'42	11°11'31	15°R38	25°32	9°33	1°R23	25°49	9°11	13°M55	24°R55	13°R26	14°32	21°36	25°R38	M 1
T 2	6 45 25	11°30'51	24°52	14°323	26°19	10°20	1°15	25°56	9°12	13°56	24°54	13°15	14°28	21°42	25°Y37	T 2
W 3	6 49 21	12°32'00	8°0	13° 3	27° 5	11° 7	1° 8	26° 3	9°12	13°57	24°54	13° 3	14°25	21°49	25°37	W 3
T 4	6 53 18	13°33'09	20°52	11°43	27°50	11°55	1° 1	26°10	9°13	13°59	24°53	12°53	14°22	21°56	25°37	T 4
F 5	6 57 14	14°34'17	3°28	10°24	28°33	12°42	0°53	26°17	9°13	14° 0	24°52	12°44	14°19	22° 2	25°D37	F 5
S 6	7 1 11	15°35'25	15°49	9° 9	29°16	13°29	0°46	26°24	9°14	14° 1	24°52	12°38	14°16	22° 9	25°37	S 6
S 7	7 5 8	16°36'33	27°57	7°59	29°57	14°17	0°38	26°30	9°14	14° 3	24°51	12°35	14°12	22°16	25°37	S 7
M 8	7 9 4	17°37'40	9°54	6°57	0°38	15° 4	0°31	26°37	9°15	14° 4	24°50	12°D33	14° 9	22°22	25°37	M 8
T 9	7 13 1	18°38'48	21°43	6° 3	1°17	15°51	0°23	26°44	9°15	14° 5	24°50	12°34	14° 6	22°29	25°37	T 9
W10	7 16 57	19°39'55	3°30	5°19	1°54	16°39	0°15	26°51	9°15	14° 6	24°49	12°35	14° 3	22°36	25°38	W10
T 11	7 20 54	20°41'02	15°20	4°44	2°31	17°26	0° 8	26°57	9°15	14° 7	24°49	12°R36	14° 0	22°42	25°38	T 11
F 12	7 24 50	21°42'08	27°18	4°18	3° 6	18°13	29°59	27° 4	9°15	14° 9	24°48	12°36	13°57	22°49	25°38	F 12
S 13	7 28 47	22°43'15	9°30	4° 3	3°39	19° 1	29°52	27°10	9°15	14°10	24°47	12°34	13°53	22°56	25°39	S 13
S 14	7 32 43	23°44'21	21°59	3°D56	4°12	19°48	29°44	27°17	9°R15	14°11	24°47	12°30	13°50	23° 2	25°39	S 14
M15	7 36 40	24°45'27	4°51	3°57	4°42	20°35	29°36	27°24	9°15	14°12	24°46	12°24	13°47	23° 9	25°40	M15
T 16	7 40 37	25°46'32	18° 8	4° 7	5°11	21°23	29°28	27°30	9°15	14°13	24°46	12°17	13°44	23°15	25°41	T 16
W17	7 44 33	26°47'37	1°39	4°23	5°38	22°10	29°20	27°37	9°15	14°14	24°45	12° 9	13°41	23°22	25°41	W17
T 18	7 48 30	27°48'41	15°54	4°47	6° 4	22°57	29°12	27°43	9°15	14°15	24°45	12° 1	13°38	23°29	25°42	T 18
F 19	7 52 26	28°49'45	0°17	5°16	6°28	23°45	29° 4	27°50	9°15	14°16	24°45	11°55	13°34	23°35	25°43	F 19
S 20	7 56 23	29°50'47	14°53	5°51	6°49	24°32	28°56	27°56	9°14	14°16	24°44	11°50	13°31	23°42	25°44	S 20
S 21	8 0 19	0°51'49	29°35	6°31	7° 9	25°19	28°48	28° 2	9°14	14°17	24°44	11°48	13°28	23°49	25°45	S 21
M22	8 4 16	1°52'50	14°15	7°15	7°27	26° 7	28°40	28° 8	9°13	14°18	24°43	11°D47	13°25	23°55	25°46	M22
T 23	8 8 12	2°53'49	28°48	8° 4	7°43	26°54	28°32	28°15	9°13	14°19	24°43	11°48	13°22	24° 2	25°47	T 23
W24	8 12 9	3°54'47	13°Y10	8°56	7°57	27°41	28°24	28°21	9°12	14°20	24°43	11°49	13°18	24° 9	25°48	W24
T 25	8 16 6	4°55'44	27°19	9°52	8° 8	28°28	28°16	28°27	9°12	14°20	24°42	11°50	13°15	24°15	25°49	T 25
F 26	8 20 2	5°56'39	11°B12	10°50	8°18	29°16	28° 8	28°33	9°11	14°21	24°42	11°R50	13°12	24°22	25°50	F 26
S 27	8 23 59	6°57'34	24°51	11°52	8°25	0°3	28° 0	28°39	9°10	14°22	24°42	11°49	13° 9	24°29	25°51	S 27
S 28	8 27 55	7°58'27	8°II16	12°56	8°29	0°50	27°52	28°45	9°10	14°22	24°42	11°46	13° 6	24°35	25°53	S 28
M29	8 31 52	8°59'18	21°26	14° 3	8°R31	1°37	27°44	28°51	9° 9	14°23	24°41	11°41	13° 3	24°42	25°54	M29
T 30	8 35 48	10° 0'08	4°23	15°11	8°31	2°24	27°37	28°57	9° 8	14°23	24°41	11°36	12°59	24°49	25°56	T 30
W31	8 39 45	11°05'57	17°8	16°322	8°38	3°12	27°529	29°3	9°7	14°M24	24°B41	11°31	12°56	24°55	25°57	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23s 4	27n13	5n 3	20s20	2n15	13s15	0s14	19s 1	1s 9	20n27	0n34	22s25	1n 0	3s 0	0n42	14s22
T 2	22 59	28 20	4 57	20 12	2 31	12 52	0 6	18 48	1 9	20 29	0 34	22 25	1 0	3 0	0 42	14 22
W 3	22 54	27 50	4 36	20 6	2 46	12 28	0n 2	18 34	1 9	20 31	0 35	22 25	1 0	3 0	0 42	14 22
T 4	22 48	25 49	4 0	20 1	2 58	12 5	0 11	18 21	1 9	20 32	0 35	22 26	1 0	3 0	0 43	14 23
F 5	22 41	22 33	3 13	19 57	3 8	11 42	0 20	18 7	1 8	20 34	0 35	22 26	1 0	3 1	0 43	14 23
S 6	22 35	18 19	2 18	19 55	3 16	11 18	0 29	17 54	1 8	20 36	0 35	22 26	1 0	3 1	0 43	14 23
S 7	22 27	13 26	1 18	19 55	3 20	10 55	0 38	17 39	1 8	20 38	0 35	22 26	1 0	3 1	0 43	14 24
M 8	22 20	8 6	0 14	19 56	3 23	10 32	0 47	17 25	1 7	20 40	0 35	22 27	1 0	3 1	0 43	14 24
T 9	22 11	2 32	0s49	19 58	3 23	10 9	0 57	17 11	1 7	20 41	0 36	22 27	1 0	3 1	0 43	14 24
W10	22 3 3s 5	1 50	20 2	3 21	9 46	1 7	16 56	1 7	20 43	0 36	22 27	1 0	3 1	0 43	14 25	1 46
T 11	21 54	8 37	2 47	20 7	3 18	9 24	1 17	16 42	1 6	20 45	0 36	22 27	1 0	3 1	0 43	14 25
F 12	21 44	13 55	3 37	20 12	3 13	9 2	1 28	16 27	1 6	20 47	0 36	22 27	1 0	3 1	0 43	14 25
S 13	21 34	18 46	4 19	20 19	3 6	8 39	1 39	16 12	1 6	20 49	0 36	22 27	1 0	3 1	0 43	14 25
S 14	21 24	22 57	4 49	20 27	2 59	8 18	1 50	15 56	1 5	20 51	0 36	22 28	1 0	3 1	0 43	14 26
M15	21 13	26 9	5 6	20 35	2 51	7 56	2 1	15 41	1 5	20 52	0 36	22 28	1 0	3 1	0 43	14 26
T 16	21 2	28 3	5 7	20 44	2 42	7 35	2 12	15 25	1 4	20 54	0 37	22 28	1 0	3 1	0 43	14 26
W17	20 50	28 19	4 50	20 53	2 32	7 14	2 24	15 10	1 4	20 56	0 37	22 28	1 0	3 1	0 43	14 26
T 18	20 39	26 47	4 17	21 2	2 23	6 53	2 36	14 54	1 4	20 58	0 37	22 28	1 0	3 1	0 43	14 27
F 19	20 26	23 29	3 26	21 11	2 12	6 33	2 48	14 38	1 3	21 0	0 37	22 28	1 0	3 1	0 43	14 27
S 20	20 14	18 39	2 21	21 20	2 2	6 14	3 0	14 22	1 3	21 1	0 37	22 28	1 0	3 1	0 43	14 27
S 21	20 0	12 40	1 6	21 28	1 52	5 55	3 13	14 5	1 2	21 3	0 37	22 29	1 0	3 0	0 43	14 27
M22	19 47	6 0	0n13	21 36	1 41	5 36	3 26	13 49	1 2	21 5	0 37	22 29	1 0	3 0	0 43	14 27
T 23	19 33	0n55	1 31	21 44	1 31	5 18	3 39	13 32	1 2	21 7	0 38	22 29	1 0	3 0	0 43	14 28
W24	19 19	7 42	2 43	21 51	1 21	5 1	3 52	13 16	1 1	21 8	0 38	22 29	1 0	3 0	0 43	14 28
T 25	19 4	14 0	3 43	21 57	1 10	4 45	4 5	12 59	1 1	21 10	0 38	22 29	1 0	2 59	0 43	14 28
F 26	18 50	19 28	4 29	22 3	1 0	4 29	4 19	12 42	1 0	21 12	0 38	22 29	1 0	2 59	0 43	14 28
S 27	18 34	23 50	4 58	22 8	0 50	4 13	4 32	12 25	1 0	21 14	0 38	22 29	1 0	2 59	0 43	14 28
S 28	18 19	26 51	5 11	22 11	0 40	3 59	4 46	12 8	0 59	21 15	0 38	22 29	1 0	2 58	0 43	14 28
M29	18 3	28 19	5 7	22 14	0 31	3 46	4 59	11 50	0 59	21 17	0 38	22 29	1 0	2 58	0 43	14 28
T 30	17 47	28 13	4 48	22 16	0 21	3 33	5 13	11 33	0 59	21 18	0 38	22 29	1 0	2 58	0 43	14 29
W31	17s30	26n35	4n14	22s17	0n12	3s21	5n27	11s15	0s58	21n20	0n38	22s29	1n 0	2s57	0n43	14s29

Julian Day Number = 2318231.5, Delta T = 54.07 sec
Ecliptic obliquity = 23°29'20", Nutation = 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'45", Lahiri = 18°45'46"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635

geocentric

FEBRUARY 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 41	12° 1' 45"	29° 39'	17° 34'	8° 23'	3° 59'	27° 21'	29° 9'	9° 6'	14° 24'	24° 41'	11° 26'	12° 53'	25° 2'	25° 59'	T 1
F 2	8 47 38	13° 2' 31"	12° 0'	18° 48'	8° 15'	4° 46'	27° 14'	29° 15'	9° 5'	14° 25'	24° 41'	11° 21'	12° 50'	25° 9'	26° 0'	F 2
S 3	8 51 35	14° 3' 16"	24° 9'	20° 4'	8° 4'	5° 33'	27° 6'	29° 20'	9° 4'	14° 25'	24° 41'	11° 19'	12° 47'	25° 15'	26° 2'	S 3
S 4	8 55 31	15° 3' 59"	6° 9'	21° 22'	7° 51'	6° 20'	26° 59'	29° 26'	9° 3'	14° 26'	24° 41'	11° 17'	12° 44'	25° 22'	26° 4'	S 4
M 5	8 59 28	16° 4' 41"	18° 2'	22° 40'	7° 36'	7° 7'	26° 52'	29° 32'	9° 2'	14° 26'	24° 41'	11° 18'	12° 40'	25° 28'	26° 5'	M 5
T 6	9 3 24	17° 5' 22"	29° 51'	24° 0'	7° 18'	7° 54'	26° 45'	29° 37'	9° 0'	14° 26'	24° 41'	11° 19'	12° 37'	25° 35'	26° 7'	T 6
W 7	9 7 21	18° 6' 02"	11° 38'	25° 22'	6° 58'	8° 41'	26° 38'	29° 43'	8° 59'	14° 27'	24° 41'	11° 20'	12° 34'	25° 42'	26° 9'	W 7
T 8	9 11 17	19° 6' 41"	23° 28'	26° 44'	6° 35'	9° 28'	26° 31'	29° 48'	8° 58'	14° 27'	24° 41'	11° 22'	12° 31'	25° 48'	26° 11'	T 8
F 9	9 15 14	20° 7' 18"	5° 26'	28° 8'	6° 10'	10° 15'	26° 24'	29° 53'	8° 56'	14° 27'	24° 41'	11° 24'	12° 28'	25° 55'	26° 13'	F 9
S 10	9 19 10	21° 7' 54"	17° 35'	29° 33'	5° 43'	11° 2'	26° 17'	29° 59'	8° 55'	14° 27'	24° 41'	11° 24'	12° 24'	26° 2'	26° 15'	S 10
S 11	9 23 7	22° 8' 29"	0° 1'	0° 59'	5° 14'	11° 49'	26° 11'	0° 3'	8° 53'	14° 27'	24° 41'	11° 24'	12° 21'	26° 8'	26° 17'	S 11
M 12	9 27 4	23° 9' 03"	12° 49'	2° 26'	4° 44'	12° 36'	26° 4'	0° 9'	8° 52'	14° 27'	24° 41'	11° 23'	12° 18'	26° 15'	26° 19'	M 12
T 13	9 31 0	24° 9' 36"	26° 1'	3° 54'	4° 11'	13° 23'	25° 58'	0° 14'	8° 50'	14° 28'	24° 41'	11° 21'	12° 15'	26° 22'	26° 22'	T 13
W 14	9 34 57	25° 10' 07"	9° 34'	5° 23'	3° 38'	14° 10'	25° 52'	0° 19'	8° 49'	14° 28'	24° 41'	11° 19'	12° 12'	26° 28'	26° 24'	W 14
T 15	9 38 53	26° 10' 37"	23° 46'	6° 53'	3° 3'	14° 57'	25° 45'	0° 24'	8° 47'	14° 28'	24° 41'	11° 17'	12° 9'	26° 35'	26° 26'	T 15
F 16	9 42 50	27° 11' 06"	8° 17'	8° 24'	2° 27'	15° 44'	25° 40'	0° 29'	8° 45'	14° 28'	24° 41'	11° 15'	12° 5'	26° 42'	26° 28'	F 16
S 17	9 46 46	28° 11' 33"	23° 6'	9° 56'	1° 50'	16° 31'	25° 34'	0° 34'	8° 44'	14° 27'	24° 42'	11° 14'	12° 2'	26° 48'	26° 31'	S 17
S 18	9 50 43	29° 11' 58"	8° 7'	11° 29'	1° 13'	17° 17'	25° 28'	0° 39'	8° 42'	14° 27'	24° 42'	11° 13'	11° 59'	26° 55'	26° 33'	S 18
M 19	9 54 39	0° 12' 21"	23° 11'	13° 3'	0° 36'	18° 4'	25° 23'	0° 43'	8° 40'	14° 27'	24° 42'	11° 14'	11° 56'	27° 2'	26° 36'	M 19
T 20	9 58 36	1° 12' 43"	8° 9'	14° 38'	29° 58'	18° 51'	25° 17'	0° 48'	8° 38'	14° 27'	24° 42'	11° 14'	11° 53'	27° 8'	26° 38'	T 20
W 21	10 2 33	2° 13' 02"	22° 54'	16° 14'	29° 21'	19° 37'	25° 12'	0° 52'	8° 36'	14° 27'	24° 43'	11° 15'	11° 50'	27° 15'	26° 41'	W 21
T 22	10 6 29	3° 13' 20"	7° 20'	17° 52'	28° 44'	20° 24'	25° 7'	0° 57'	8° 35'	14° 27'	24° 43'	11° 16'	11° 46'	27° 21'	26° 43'	T 22
F 23	10 10 26	4° 13' 36"	21° 24'	19° 30'	28° 8'	21° 11'	25° 2'	1° 1'	8° 33'	14° 26'	24° 43'	11° 16'	11° 43'	27° 28'	26° 46'	F 23
S 24	10 14 22	5° 13' 49"	5° 6'	21° 9'	27° 33'	21° 57'	24° 58'	1° 6'	8° 31'	14° 26'	24° 44'	11° 16'	11° 40'	27° 35'	26° 49'	S 24
S 25	10 18 19	6° 14' 01"	18° 26'	22° 49'	26° 59'	22° 44'	24° 53'	1° 10'	8° 29'	14° 26'	24° 44'	11° 16'	11° 37'	27° 41'	26° 52'	S 25
M 26	10 22 15	7° 14' 10"	1° 26'	24° 30'	26° 27'	23° 30'	24° 49'	1° 14'	8° 27'	14° 25'	24° 44'	11° 16'	11° 34'	27° 48'	26° 54'	M 26
T 27	10 26 12	8° 14' 17"	14° 8'	26° 12'	25° 56'	24° 17'	24° 45'	1° 18'	8° 24'	14° 25'	24° 45'	11° 16'	11° 30'	27° 55'	26° 57'	T 27
W 28	10 30 8	9° 14' 23"	26° 35'	27° 55'	25° 27'	25° 3'	24° 41'	1° 22'	8° 22'	14° 25'	24° 45'	11° 15'	11° 27'	28° 1'	27° 0'	W 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	17s13	23n40	3n29	22s17	0n 3	3s11	5n41	10s58	0s58	21n22	0n38	22s29	1n 0	2s57	0n43	14s29
F 2	16 56	19 42	2 34	22 16	0s 6	3 1	5 54	10 40	0 57	21 23	0 39	22 29	1 0	2 56	0 44	14 29
S 3	16 39	14 57	1 33	22 13	0 14	2 52	6 8	10 22	0 57	21 25	0 39	22 29	1 0	2 56	0 44	14 29
S 4	16 21	9 43	0 28	22 10	0 23	2 45	6 21	10 5	0 56	21 26	0 39	22 30	1 0	2 56	0 44	14 29
M 5	16 3	4 10	0s37	22 5	0 31	2 38	6 34	9 47	0 56	21 28	0 39	22 30	1 0	2 55	0 44	14 29
T 6	15 45	1s29	1 41	21 59	0 38	2 33	6 46	9 29	0 55	21 29	0 39	22 30	1 0	2 55	0 44	14 29
W 7	15 26	7 4	2 40	21 52	0 46	2 29	6 59	9 11	0 55	21 31	0 39	22 30	1 0	2 54	0 44	14 29
T 8	15 7	12 25	3 32	21 43	0 53	2 26	7 11	8 52	0 54	21 32	0 39	22 30	1 0	2 53	0 44	14 29
F 9	14 48	17 23	4 16	21 34	1 0	2 25	7 22	8 34	0 54	21 33	0 39	22 30	1 0	2 53	0 44	14 29
S 10	14 29	21 44	4 49	21 23	1 7	2 24	7 33	8 16	0 53	21 35	0 39	22 30	1 0	2 52	0 44	14 29
S 11	14 10	25 15	5 10	21 10	1 13	2 25	7 43	7 57	0 53	21 36	0 39	22 30	1 0	2 52	0 44	14 29
M 12	13 50	27 36	5 16	20 57	1 19	2 27	7 53	7 39	0 52	21 37	0 39	22 30	1 0	2 51	0 44	14 29
T 13	13 30	28 32	5 6	20 42	1 25	2 30	8 2	7 20	0 52	21 39	0 39	22 30	1 0	2 50	0 44	14 29
W 14	13 10	27 46	4 38	20 25	1 30	2 34	8 10	7 2	0 51	21 40	0 39	22 30	1 0	2 50	0 44	14 29
T 15	12 49	25 14	3 54	20 8	1 35	2 40	8 18	6 43	0 51	21 41	0 39	22 29	1 0	2 49	0 44	14 29
F 16	12 28	21 1	2 53	19 49	1 40	2 46	8 24	6 25	0 50	21 42	0 39	22 29	1 0	2 48	0 44	14 29
S 17	12 8	15 24	1 39	19 28	1 45	2 54	8 30	6 6	0 50	21 43	0 40	22 29	1 0	2 48	0 44	14 29
S 18	11 47	8 49	0 17	19 7	1 49	3 2	8 35	5 47	0 49	21 44	0 40	22 29	1 0	2 47	0 44	14 29
M 19	11 25	1 42	1n 6	18 44	1 53	3 12	8 38	5 28	0 49	21 45	0 40	22 29	1 0	2 46	0 44	14 29
T 20	11 4	5n27	2 24	18 19	1 56	3 22	8 41	5 9	0 48	21 46	0 40	22 29	1 0	2 46	0 44	14 28
W 21	10 42	12 11	3 31	17 54	1 59	3 33	8 43	4 51	0 47	21 47	0 40	22 29	1 0	2 45	0 44	14 28
T 22	10 21	18 8	4 24	17 26	2 2	3 45	8 44	4 32	0 47	21 48	0 40	22 29	1 0	2 44	0 44	14 28
F 23	9 59	22 57	4 59	16 58	2 4	3 57	8 43	4 13	0 46	21 49	0 40	22 29	1 0	2 43	0 44	14 28
S 24	9 37	26 22	5 16	16 28	2 6	4 10	8 42	3 54	0 46	21 50	0 40	22 29	1 0	2 42	0 44	14 28
S 25	9 15	28 13	5 15	15 57	2 7	4 23	8 40	3 35	0 45	21 51	0 40	22 29	1 0	2 42	0 44	14 28
M 26	8 52	28 27	4 58	15 24	2 8	4 36	8 37	3 16	0 45	21 52	0 40	22 29	1 0	2 41	0 44	14 28
T 27	8 30	27 10	4 27	14 50	2 9	4 50	8 33	2 57	0 44	21 53	0 40	22 29	1 0	2 40	0 44	14 27
W 28	8s 7	24n32	3n44	14s14	2s 9	5s 4	8n29	2s38	0s44	21n53	0n40	22s29	1n 0	2s39	0n44	14s27

Julian Day Number = 2318262.5, Delta T = 54.01 sec

Ecliptic obliquity = 23°29'21", Nutation = 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°38'49", Lahiri = 18°45'50"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635
geocentric

MARCH 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 34 5	10 ^h 14'26	8 ^h 25'0	29 ^h 40	25 ^h R 0	25 ^h 50	24 ^h R37	1 ^h 326	8 ^h R20	14 ^h R24	24 ^h 846	11 ^h R15	11 ^h 24	28 ^h 8	27 ^h 3	T 1
F 2	10 38 2	11 ^h 14'27	20 ^h 56	1 ^h 25	24 ^h 35	26 ^h 36	24 ^h 33	1 ^h 30	8 ^h 18	14 ^h M24	24 ^h 46	11 ^h D15	11 ^h 21	28 ^h 15	27 ^h 6	F 2
S 3	10 41 58	12 ^h 14'26	2 ^h 54	3 ^h 12	24 ^h 12	27 ^h 22	24 ^h 30	1 ^h 34	8 ^h 16	14 ^h 23	24 ^h 47	11 ^h 15	11 ^h 18	28 ^h 21	27 ^h 9	S 3
S 4	10 45 55	13 ^h 14'23	14 ^h 47	4 ^h 59	23 ^h 51	28 ^h 9	24 ^h 26	1 ^h 37	8 ^h 13	14 ^h 22	24 ^h 47	11 ^h R15	11 ^h 15	28 ^h 28	27 ^h 12	S 4
M 5	10 49 51	14 ^h 14'18	26 ^h 36	6 ^h 48	23 ^h 33	28 ^h 55	24 ^h 23	1 ^h 41	8 ^h 11	14 ^h 22	24 ^h 48	11 ^h 15	11 ^h 11	28 ^h 35	27 ^h 15	M 5
T 6	10 53 48	15 ^h 14'11	8 ^h 24	8 ^h 38	23 ^h 17	29 ^h 41	24 ^h 21	1 ^h 44	8 ^h 9	14 ^h 21	24 ^h 48	11 ^h 15	11 ^h 8	28 ^h 41	27 ^h 18	T 6
W 7	10 57 44	16 ^h 14'02	20 ^h 13	10 ^h 29	23 ^h 3	0 ^h 27	24 ^h 18	1 ^h 48	8 ^h 7	14 ^h 21	24 ^h 49	11 ^h 14	11 ^h 5	28 ^h 48	27 ^h 21	W 7
T 8	11 1 141	17 ^h 13'52	2 ^h 16	12 ^h 22	22 ^h 52	1 ^h 14	24 ^h 15	1 ^h 51	8 ^h 4	14 ^h 20	24 ^h 49	11 ^h 13	11 ^h 2	28 ^h 55	27 ^h 24	T 8
F 9	11 5 37	18 ^h 13'40	14 ^h 7	14 ^h 15	22 ^h 44	2 ^h 0	24 ^h 13	1 ^h 54	8 ^h 2	14 ^h 19	24 ^h 50	11 ^h 12	10 ^h 59	29 ^h 1	27 ^h 28	F 9
S 10	11 9 34	19 ^h 13'26	26 ^h 18	16 ^h 9	22 ^h 38	2 ^h 46	24 ^h 11	1 ^h 58	8 ^h 0	14 ^h 19	24 ^h 51	11 ^h 12	10 ^h 55	29 ^h 8	27 ^h 31	S 10
S 11	11 13 31	20 ^h 13'10	8 ^h 43	18 ^h 5	22 ^h 35	3 ^h 32	24 ^h 9	2 ^h 1	7 ^h 57	14 ^h 18	24 ^h 51	11 ^h 11	10 ^h 52	29 ^h 15	27 ^h 34	S 11
M12	11 17 27	21 ^h 12'53	21 ^h 26	20 ^h 2	22 ^h D34	4 ^h 18	24 ^h 7	2 ^h 4	7 ^h 55	14 ^h 17	24 ^h 52	11 ^h D11	10 ^h 49	29 ^h 21	27 ^h 37	M12
T 13	11 21 24	22 ^h 12'34	4 ^h 31	21 ^h 59	22 ^h 35	5 ^h 4	24 ^h 6	2 ^h 7	7 ^h 52	14 ^h 16	24 ^h 53	11 ^h 11	10 ^h 46	29 ^h 28	27 ^h 41	T 13
W14	11 25 20	23 ^h 12'13	18 ^h 1	23 ^h 58	22 ^h 39	5 ^h 50	24 ^h 4	2 ^h 9	7 ^h 50	14 ^h 15	24 ^h 53	11 ^h 12	10 ^h 43	29 ^h 35	27 ^h 44	W14
T 15	11 29 17	24 ^h 11'51	1 ^h 57	25 ^h 57	22 ^h 45	6 ^h 35	24 ^h 3	2 ^h 12	7 ^h 47	14 ^h 14	24 ^h 54	11 ^h 13	10 ^h 40	29 ^h 41	27 ^h 47	T 15
F 16	11 33 13	25 ^h 11'26	16 ^h 19	27 ^h 57	22 ^h 53	7 ^h 21	24 ^h 2	2 ^h 15	7 ^h 45	14 ^h 14	24 ^h 55	11 ^h 14	10 ^h 36	29 ^h 48	27 ^h 51	F 16
S 17	11 37 10	26 ^h 11'00	1 ^h 5	29 ^h 58	23 ^h 4	8 ^h 7	24 ^h 1	2 ^h 17	7 ^h 42	14 ^h 13	24 ^h 56	11 ^h 14	10 ^h 33	29 ^h 54	27 ^h 54	S 17
S 18	11 41 6	27 ^h 10'32	16 ^h 8	1 ^h 59	23 ^h 16	8 ^h 53	24 ^h 1	2 ^h 20	7 ^h 40	14 ^h 12	24 ^h 56	11 ^h R15	10 ^h 30	0 ^h 1	27 ^h 58	S 18
M19	11 45 3	28 ^h 10'02	1 ^h 21	4 ^h 0	23 ^h 31	9 ^h 39	24 ^h 0	2 ^h 22	7 ^h 37	14 ^h 11	24 ^h 57	11 ^h 14	10 ^h 27	0 ^h 8	28 ^h 1	M19
T 20	11 48 59	29 ^h 9'29	16 ^h 33	6 ^h 2	23 ^h 48	10 ^h 24	24 ^h 0	2 ^h 24	7 ^h 35	14 ^h 10	24 ^h 58	11 ^h 12	10 ^h 24	0 ^h 14	28 ^h 5	T 20
W21	11 52 56	0 ^h 8'55	1 ^h 36	8 ^h 3	24 ^h 7	11 ^h 10	24 ^h D 0	2 ^h 26	7 ^h 32	14 ^h 9	24 ^h 59	11 ^h 10	10 ^h 21	0 ^h 21	28 ^h 8	W21
T 22	11 56 53	1 ^h 8'18	16 ^h 20	10 ^h 4	24 ^h 27	11 ^h 55	24 ^h 0	2 ^h 29	7 ^h 30	14 ^h 7	25 ^h 0	11 ^h 7	10 ^h 17	0 ^h 28	28 ^h 12	T 22
F 23	12 0 49	2 ^h 7'40	0 ^h 14	12 ^h 4	24 ^h 50	12 ^h 41	24 ^h 0	2 ^h 31	7 ^h 27	14 ^h 6	25 ^h 0	11 ^h 5	10 ^h 14	0 ^h 34	28 ^h 15	F 23
S 24	12 4 46	3 ^h 6'58	14 ^h 32	14 ^h 3	25 ^h 14	13 ^h 26	24 ^h 1	2 ^h 32	7 ^h 24	14 ^h 5	25 ^h 1	11 ^h 3	10 ^h 11	0 ^h 41	28 ^h 19	S 24
S 25	12 8 42	4 ^h 6'15	27 ^h 57	16 ^h 0	25 ^h 39	14 ^h 12	24 ^h 2	2 ^h 34	7 ^h 22	14 ^h 4	25 ^h 2	11 ^h 2	10 ^h 8	0 ^h 48	28 ^h 23	S 25
M26	12 12 39	5 ^h 5'29	10 ^h 57	17 ^h 55	26 ^h 7	14 ^h 57	24 ^h 3	2 ^h 36	7 ^h 19	14 ^h 3	25 ^h 3	11 ^h D 2	10 ^h 5	0 ^h 54	28 ^h 26	M26
T 27	12 16 35	6 ^h 4'41	23 ^h 34	19 ^h 48	26 ^h 36	15 ^h 42	24 ^h 4	2 ^h 38	7 ^h 17	14 ^h 2	25 ^h 4	11 ^h 3	10 ^h 1	1 ^h 1	28 ^h 30	T 27
W28	12 20 32	7 ^h 3'51	5 ^h 24	21 ^h 38	27 ^h 6	16 ^h 28	24 ^h 5	2 ^h 39	7 ^h 14	14 ^h 1	25 ^h 5	11 ^h 4	9 ^h 58	1 ^h 8	28 ^h 34	W28
T 29	12 24 29	8 ^h 2'08	18 ^h 0	23 ^h 26	27 ^h 38	17 ^h 13	24 ^h 7	2 ^h 40	7 ^h 11	13 ^h 59	25 ^h 6	11 ^h 6	9 ^h 55	1 ^h 14	28 ^h 37	T 29
F 30	12 28 25	9 ^h 2'53	29 ^h 56	25 ^h 9	28 ^h 12	17 ^h 58	24 ^h 8	2 ^h 42	7 ^h 9	13 ^h 58	25 ^h 7	11 ^h 8	9 ^h 52	1 ^h 21	28 ^h 41	F 30
S 31	12 32 22	10 ^h 1'05	11 ^h 47	26 ^h 49	28 ^h 46	18 ^h 43	24 ^h 10	2 ^h 43	7 ^h 6	13 ^h 57	25 ^h 8	11 ^h R 8	9 ^h 49	1 ^h 28	28 ^h 45	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
T 1	7s45 20n50	2n51 13s38	2s 9 5s18	8n23 2s19	0s43 21n54	0n40 22s29	1n 0 2s38	0n44 14s27	1n49 6n14	13s 9 7s22	7s18 0s37	10n 7 0s21			
F 2	7 22 16 18	1 51 12 59	2 8 5 32	8 17 2 0	0 42 21 55	0 40 22 29	1 0 2 37	0 44 14 27	1 49 6 14	13 8 7 22	7 19 0 41	10 8 0 21			
S 3	6 59 11 11	0 46 12 20	2 7 5 46	8 10 1 41	0 42 21 55	0 40 22 29	1 0 2 36	0 44 14 27	1 50 6 14	13 8 7 22	7 21 0 44	10 9 0 21			
S 4	6 36 5 42	0s20 11 39	2 6 6 0	8 3 1 22	0 41 21 56	0 40 22 29	1 0 2 36	0 44 14 26	1 50 6 15	13 8 7 22	7 22 0 47	10 10 0 21			
M 5	6 13 0 4	1 24 10 57	2 4 6 13	7 55 1 3	0 41 21 56	0 40 22 29	1 0 2 35	0 44 14 26	1 50 6 15	13 7 7 22	7 23 0 51	10 11 0 21			
T 6	5 50 5s34	2 25 10 13	2 1 6 26	7 46 0 44	0 40 21 57	0 40 22 29	1 0 2 34	0 44 14 26	1 50 6 16	13 7 7 22	7 24 0 54	10 12 0 21			
W 7	5 27 11 0	3 20 9 28	1 58 6 39	7 37 0 25	0 39 21 57	0 40 22 28	1 0 2 33	0 44 14 26	1 50 6 16	13 7 7 22	7 25 0 58	10 14 0 21			
T 8	5 3 16 5	4 7 8 42	1 54 6 51	7 28 0 6	0 39 21 58	0 40 22 28	1 0 2 32	0 44 14 25	1 50 6 16	13 7 7 22	7 27 1 1	10 15 0 21			
F 9	4 40 20 36	4 43 7 54	1 50 7 3	7 18 0n13	0 38 21 58	0 40 22 28	1 0 2 31	0 44 14 25	1 50 6 17	13 6 7 23	7 28 1 4	10 16 0 21			
S 10	4 16 24 20	5 7 7 6	1 46 7 15	7 8 0 31	0 38 21 59	0 40 22 28	1 0 2 30	0 44 14 25	1 50 6 17	13 6 7 23	7 29 1 8	10 17 0 21			
S 11	3 53 27 1	5 17 6 16	1 41 7 25	6 58 0 50	0 37 21 59	0 40 22 28	1 0 2 29	0 44 14 25	1 50 6 18	13 6 7 23	7 30 1 11	10 18 0 21			
M12	3 29 28 24	5 12 5 25	1 35 7 36	6 47 1 9	0 36 21 59	0 40 22 28	1 0 2 28	0 44 14 24	1 50 6 18	13 5 7 23	7 31 1 15	10 19 0 21			
T 13	3 6 28 16	4 51 4 32	1 29 7 45	6 37 1 28	0 36 22 0	0 40 22 28	1 0 2 27	0 44 14 24	1 50 6 18	13 5 7 23	7 33 1 18	10 20 0 21			
W14	2 42 26 28	4 14 3 39	1 22 7 55	6 26 1 47	0 35 22 0	0 40 22 28	1 0 2 26	0 44 14 24	1 50 6 19	13 5 7 23	7 34 1 22	10 21 0 22			
T 15	2 19 23 2	3 21 2 45	1 14 8 3	6 15 2 5	0 35 22 0	0 40 22 28	1 0 2 25	0 44 14 24	1 50 6 19	13 5 7 23	7 35 1 25	10 22 0 22			
F 16	1 55 18 6	2 14 1 50	1 6 8 11	6 4 2 24	0 34 22 0	0 40 22 28	1 0 2 24	0 44 14 23	1 50 6 20	13 4 7 22	7 36 1 28	10 24 0 22			
S 17	1 31 11 59	0 56 0 54	0 58 8 18	5 53 2 43	0 33 22 0	0 40 22 28	1 0 2 23	0 44 14 23	1 50 6 20	13 4 7 22	7 38 1 32	10 25 0 22			
S 18	1 8 5 4	0n27 0n 3	0 49 8 25	5 41 3 1	0 33 22 0	0 40 22 28	1 0 2 22	0 44 14 23	1 50 6 21	13 4 7 22	7 39 1 35	10 26 0 22			
M19	0 44 2n12	1 49 1 0	0 40 8 30	5 30 3 20	0 32 22 0	0 40 22 28	1 1 2 21	0 44 14 22	1 50 6 21	13 4 7 22	7 40 1 39	10 27 0 22			
T 20	0 20 9 20	3 3 1 57	0 30 8 36	5 19 3 39	0 32 22 1	0 40 22 28	1 1 2 20	0 44 14 22	1 50 6 22	13 3 7 23	7 41 1 42	10 28 0 22			
W21	0n 4 15 52	4 4 2 54	0 19 8 40	5 8 3 57	0 31 22 1	0 40 22 27	1 1 2 19	0 44 14 22	1 50 6 22	13 3 7 24	7 42 1 46	10 29 0 22			

ASTRODIENST EPHEMERIS for the year 1635

geocentric

APRIL 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 36 18	11°00'06	23°35'35	28°25'25	29°22'22	19°28'28	24°12'12	2°34'44	7°R 4	13°R56	25°8 9	11°R 7	9°46'46	1°34'34	28°49'49	S 1
M 2	12 40 15	11°59'04	5°23'23	29°57'57	29°59'59	20°13'13	24°15'15	2°45'45	7°11'11	13°M54	25°10'10	11°11'11	9°42'42	1°41'41	28°52'52	M 2
T 3	12 44 11	12°58'00	17°13'13	1°23'23	0°18'18	20°58'58	24°17'17	2°46'46	6°59'59	13°53'53	25°11'11	11°1'1	9°39'39	1°48'48	28°56'56	T 3
W 4	12 48 8	13°56'54	29°8'8	2°45'45	1°17'17	21°43'43	24°20'20	2°47'47	6°56'56	13°52'52	25°12'12	10°56'56	9°36'36	1°54'54	29°0'0	W 4
T 5	12 52 4	14°55'47	11°8'8	4°1'1	1°58'58	22°28'28	24°22'22	2°47'47	6°53'53	13°50'50	25°13'13	10°50'50	9°33'33	2°1'1	29°4'4	T 5
F 6	12 56 1	15°54'37	23°17'17	5°12'12	2°40'40	23°13'13	24°25'25	2°48'48	6°51'51	13°49'49	25°14'14	10°44'44	9°30'30	2°8'8	29°8'8	F 6
S 7	12 59 57	16°53'26	5°35'35	6°17'17	3°23'23	23°58'58	24°28'28	2°49'49	6°48'48	13°47'47	25°15'15	10°38'38	9°27'27	2°14'14	29°11'11	S 7
S 8	13 3 54	17°52'13	18°6'6	7°16'16	4°6'6	24°43'43	24°32'32	2°49'49	6°46'46	13°46'46	25°16'16	10°33'33	9°23'23	2°21'21	29°15'15	S 8
M 9	13 7 51	18°50'58	0°35'35	8°10'10	4°51'51	25°27'27	24°35'35	2°49'49	6°43'43	13°45'45	25°18'18	10°30'30	9°20'20	2°28'28	29°19'19	M 9
T 10	13 11 47	19°49'41	13°53'53	8°58'58	5°37'37	26°12'12	24°39'39	2°50'50	6°41'41	13°43'43	25°19'19	10°28'28	9°17'17	2°34'34	29°23'23	T 10
W 11	13 15 44	20°48'23	27°16'16	9°39'39	6°23'23	26°57'57	24°43'43	2°50'50	6°38'38	13°42'42	25°20'20	10°D28	9°14'14	2°41'41	29°27'27	W 11
T 12	13 19 40	21°47'03	11°20'20	10°15'15	7°10'10	27°41'41	24°47'47	2°R50	6°36'36	13°40'40	25°21'21	10°29'29	9°11'11	2°48'48	29°31'31	T 12
F 13	13 23 37	22°45'41	25°0'0	10°44'44	7°59'59	28°26'26	24°51'51	2°50'50	6°33'33	13°39'39	25°22'22	10°31'31	9°7'7	2°54'54	29°35'35	F 13
S 14	13 27 33	23°44'18	9°39'39	11°7'7	8°47'47	29°10'10	24°55'55	2°50'50	6°31'31	13°37'37	25°23'23	10°R31	9°4'4	3°1'1	29°39'39	S 14
S 15	13 31 30	24°42'53	24°30'30	11°24'24	9°37'37	29°55'55	25°0'0	2°49'49	6°28'28	13°36'36	25°25'25	10°30'30	9°1'1	3°7'7	29°43'43	S 15
M 16	13 35 26	25°41'26	9°34'34	11°35'35	10°27'27	0°39'39	25°4'4	2°49'49	6°26'26	13°34'34	25°26'26	10°28'28	8°58'58	3°14'14	29°46'46	M 16
T 17	13 39 23	26°39'57	24°43'43	11°R40	11°18'18	1°23'23	25°9'9	2°48'48	6°24'24	13°33'33	25°27'27	10°23'23	8°55'55	3°21'21	29°50'50	T 17
W 18	13 43 20	27°38'27	9°38'38	11°39'39	12°10'10	2°7'7	25°14'14	2°48'48	6°21'21	13°31'31	25°28'28	10°16'16	8°52'52	3°27'27	29°54'54	W 18
T 19	13 47 16	28°36'54	24°38'38	11°33'33	13°2'2	2°52'52	25°19'19	2°47'47	6°19'19	13°30'30	25°29'29	10°9'9	8°48'48	3°34'34	29°58'58	T 19
F 20	13 51 13	29°35'20	9°11'11	11°21'21	13°55'55	3°36'36	25°25'25	2°47'47	6°17'17	13°28'28	25°31'31	10°2'2	8°45'45	3°41'41	0°2'2	F 20
S 21	13 55 9	0°33'43	23°8'8	11°5'5	14°49'49	4°20'20	25°30'30	2°46'46	6°14'14	13°26'26	25°32'32	9°55'55	8°42'42	3°47'47	0°6'6	S 21
S 22	13 59 6	1°32'05	6°41'41	10°43'43	15°43'43	5°4'4	25°36'36	2°45'45	6°12'12	13°25'25	25°33'33	9°50'50	8°39'39	3°54'54	0°10'10	S 22
M 23	14 3 2	2°30'24	19°45'45	10°18'18	16°37'37	5°48'48	25°42'42	2°44'44	6°10'10	13°23'23	25°34'34	9°48'48	8°36'36	4°1'1	0°14'14	M 23
T 24	14 6 59	3°28'41	2°25'25	9°48'48	17°32'32	6°32'32	25°48'48	2°43'43	6°8'8	13°22'22	25°36'36	9°D47	8°32'32	4°7'7	0°18'18	T 24
W 25	14 10 55	4°26'57	14°44'44	9°16'16	18°28'28	7°16'16	25°54'54	2°41'41	6°5'5	13°20'20	25°37'37	9°47'47	8°29'29	4°14'14	0°22'22	W 25
T 26	14 14 52	5°25'10	2°47'47	8°41'41	19°24'24	8°0'0	26°0'0	2°40'40	6°3'3	13°19'19	25°38'38	9°48'48	8°26'26	4°21'21	0°26'26	T 26
F 27	14 18 49	6°23'21	8°41'41	8°5'5	20°20'20	8°43'43	26°6'6	2°39'39	6°1'1	13°17'17	25°39'39	9°R49	8°23'23	4°27'27	0°30'30	F 27
S 28	14 22 45	7°21'30	20°29'29	7°27'27	21°17'17	9°27'27	26°13'13	2°37'37	5°59'59	13°15'15	25°41'41	9°48'48	8°20'20	4°34'34	0°34'34	S 28
S 29	14 26 42	8°19'37	2°16'16	6°49'49	22°14'14	10°11'11	26°19'19	2°36'36	5°57'57	13°14'14	25°42'42	9°45'45	8°17'17	4°41'41	0°37'37	S 29
M 30	14 30 38	9°17'42	14°5'5	6°11'11	23°12'12	10°54'54	26°26'26	2°34'34	5°55'55	13°12'12	25°43'43	9°40'40	8°13'13	4°47'47	0°41'41	M 30

Day	☉	☽		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n22	1n31	1 s 8	12n36	1n47	8s44	3n11	7n16	0s24	21n58	0n40	22s27	1n 1	2s 8	0n44	14s17	1n51	6n27	13s 0	7s25	7s56	2s23	10n43	0s23			
M 2	4 45	4s 7	2 9	13 18	1 57	8 40	3 1	7 33	0 23	21 58	0 40	22 27	1 1	2 7	0 44	14 17	1 51	6 27	13 0	7 25	7 57	2 26	10 44	0 23			
T 3	5 8	9 37	3 5	13 58	2 7	8 36	2 51	7 51	0 23	21 57	0 40	22 27	1 1	2 6	0 44	14 16	1 51	6 28	13 0	7 27	7 58	2 30	10 46	0 23			
W 4	5 31	14 48	3 53	14 35	2 16	8 31	2 42	8 8	0 22	21 57	0 40	22 27	1 1	2 5	0 44	14 16	1 51	6 28	13 0	7 29	7 59	2 33	10 47	0 23			
T 5	5 54	19 29	4 31	15 9	2 25	8 26	2 32	8 26	0 22	21 56	0 40	22 27	1 1	2 4	0 44	14 16	1 51	6 29	13 0	7 31	8 0	2 37	10 48	0 23			
F 6	6 16	23 25	4 57	15 41	2 33	8 20	2 23	8 43	0 21	21 56	0 40	22 27	1 1	2 3	0 44	14 15	1 51	6 29	12 59	7 34	8 2	2 40	10 50	0 23			
S 7	6 39	26 22	5 10	16 9	2 40	8 13	2 14	9 0	0 20	21 55	0 40	22 27	1 1	2 2	0 44	14 15	1 51	6 29	12 59	7 36	8 3	2 43	10 51	0 23			
S 8	7 2	28 4	5 8	16 35	2 46	8 5	2 4	9 17	0 20	21 55	0 40	22 26	1 1	2 1	0 44	14 14	1 51	6 30	12 59	7 38	8 4	2 47	10 52	0 23			
M 9	7 24	28 21	4 52	16 57	2 51	7 57	1 56	9 34	0 19	21 54	0 40	22 26	1 1	2 0	0 44	14 14	1 51	6 30	12 59	7 39	8 5	2 50	10 53	0 23			
T 10	7 46	27 4	4 20	17 16	2 55	7 49	1 47	9 51	0 18	21 53	0 40	22 26	1 1	1 59	0 44	14 13	1 51	6 31	12 59	7 39	8 6	2 54	10 55	0 23			
W 11	8 8	24 14	3 33	17 33	2 58	7 40	1 38	10 8	0 18	21 53	0 40	22 26	1 1	1 58	0 44	14 13	1 51	6 31	12 58	7 39	8 8	2 57	10 56	0 24			
T 12	8 30	19 58	2 33	17 46	3 0	7 30	1 30	10 24	0 17	21 52	0 40	22 26	1 1	1 57	0 44	14 12	1 51	6 32	12 58	7 39	8 9	3 0	10 57	0 24			
F 13	8 52	14 28	1 23	17 56	3 0	7 20	1 22	10 41	0 16	21 51	0 40	22 26	1 1	1 56	0 44	14 12	1 51	6 32	12 58	7 39	8 10	3 4	10 59	0 24			
S 14	9 14	8 2	0 5	18 3	3 0	7 9	1 14	10 57	0 16	21 50	0 39	22 26	1 1	1 55	0 44	14 11	1 51	6 32	12 58	7 38	8 11	3 7	11 0	0 24			
S 15	9 36	1 3	1n15	18 6	2 58	6 58	1 6	11 14	0 15	21 49	0 39	22 26	1 1	1 54	0 44	14 11	1 51	6 33	12 58	7 39	8 12	3 11	11 1	0 24			
M 16	9 57	6n 6	2 31	18 7	2 55	6 46	0 58	11 30	0 14	21 49	0 39	22 26	1 1	1 53	0 44	14 11	1 51	6 33	12 58	7 40	8 14	3 14	11 3	0 24			
T 17	10 18	12 56	3 36	18 4	2 50	6 34	0 50	11 46	0 14	21 48	0 39	22 26	1 1	1 52	0 44	14 10	1 51	6 34	12 57	7 41	8 15	3 17	11 4	0 24			
W 18	10 39	18 58	4 26	17 58	2 44	6 21	0 43	12 2	0 13	21 47	0 39	22 26	1 1	1 51	0 44	14 10	1 51	6 34	12 57	7 44	8 16	3 21	11 5	0 24			
T 19	11 0	23 45	4 57	17 49	2 37	6 8	0 36	12 18	0 13	21 46	0 39	22 26	1 1	1 50	0 44	14 9	1 51	6 35	12 57	7 47	8 17	3 24	11 6	0 24			
F 20	11 21	26 56	5 8	17 37	2 29	5 54	0 29	12 33	0 12	21 45	0 39	22 26	1 1	1 49	0 44	14 9	1 51	6 35	12 57	7 50	8 18	3 28	11 8	0 24			
S 21	11 42	28 18	5 0	17 23	2 19	5 40	0 22	12 49	0 11	21 44	0 39	22 26	1 1	1 49	0 44	14 8	1 51	6 35	12 57	7 52	8 19	3 31	11 9	0 24			
S 22	12 2	27 54	4 35	17 5	2 8	5 25	0 15	13 4	0 11	21 43	0 39	22 26	1 1	1 48	0 44	14 8	1 51	6 36	12 57	7 54	8 21	3 34	11 10	0 24			
M 23	12 22	25 56	3 56	16 46	1 55	5 10	0 8	13 20	0 10	21 42	0 39	22 26	1 1	1 47	0 44	14 7	1 51	6 36	12 56	7 55	8 22	3 38	11 12	0 24			
T 24	12 42	22 42	3 7	16 24	1 42	4 54	0 2	13 35	0 9	21 40	0 39	22 26	1 1	1 46	0 44	14 7	1 51	6 37	12 56	7 55	8 23	3 41	11 13	0 25			
W 25	13 2	18 32	2 11	16 0	1 27	4 39	0s 4	13 50	0 9	21 39	0 39	22 26	1 1	1 45	0 44	14 6	1 51	6 37	12 56	7 55	8 24	3 44	11 14	0 25			
T 26	13 21	13 42	1 9	15 34	1 12	4 22	0 11	14 5	0 8	21 38	0 39	22 26	1 1	1 44	0 44	14 6	1 51	6 37	12 56	7 55	8 25	3 48	11 16	0 25			
F 27	13 41	8 26	0 6	15 7	0 56	4 6	0 17	14 19	0 7	21 37	0 39	22 26	1 1	1 43	0 44	14 5	1 51	6 38	12 56	7 54	8 27	3 51	11 17	0 25			
S 28	14 0	2 54	0s57	14 39	0 39	3 48	0 23	14 34	0 7	21 36	0 39	22 26	1 1	1 43	0 44	14 5	1 51	6 38	12 56	7 55	8 28	3 55	11 18	0 25			
S 29	14 19	2s42	1 57	14 10	0 22	3 31	0 28	14 48	0 6	21 34	0 39	22 26	1 1	1 42	0 44	14 4	1 51	6 39	12 56	7 56	8 29	3 58	11 19	0 25			
M 30	14n37	8s13	2s53	13n41	0n 5	3s13	0s34	15n 3	0s 5	21n33	0n39	22s26	1n 2	1s41	0n44	14s 4	1n51	6n39	12s56	7s58	8s30	4s 1	11n21	0s25			

ASTRODIENST EPHEMERIS for the year 1635

geocentric

MAY 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 34 35	10♌15'45	26♌1	5°R33	24♌10	11♌38	26♌33	2°R32	5°R53	13°R10	25♌45	9°R33	8♌10	4♌54	0♌45	T 1
W 2	14 38 31	11°13'47	8♌3	4♌58	25°9	12°22	26°40	2♌30	5♌51	13♌9	25°46	9♌23	8°7	5°1	0°49	W 2
T 3	14 42 28	12°11'47	20°15	4°24	26°8	13°5	26°47	2°28	5°49	13°7	25°47	9°12	8°4	5°7	0°53	T 3
F 4	14 46 24	13°9'46	2♌37	3°53	27°7	13°48	26°55	2°26	5°47	13°6	25°49	9°1	8°1	5°14	0°57	F 4
S 5	14 50 21	14°7'43	15°9	3°26	28°7	14°32	27°2	2°24	5°45	13°4	25°50	8°50	7°58	5°21	1°1	S 5
S 6	14 54 18	15°5'39	27°53	3°1	29°7	15°15	27°10	2°22	5°44	13°2	25°51	8°40	7°54	5°27	1°5	S 6
M 7	14 58 14	16°3'33	10♌49	2°41	0°Y7	15°58	27°17	2°20	5°42	13°1	25°53	8°33	7°51	5°34	1°8	M 7
T 8	15 2 11	17°1'26	23°58	2°25	1°8	16°42	27°25	2°17	5°40	12°59	25°54	8°28	7°48	5°41	1°12	T 8
W 9	15 6 7	17°59'18	7♌22	2°13	2°9	17°25	27°33	2°15	5°38	12°57	25°55	8°26	7°45	5°47	1°16	W 9
T 10	15 10 4	18°57'09	21°2	2°5	3°11	18°8	27°41	2°12	5°37	12°56	25°57	8°D26	7°42	5°54	1°20	T 10
F 11	15 14 0	19°54'58	4♌59	2°D2	4°12	18°51	27°50	2°10	5°35	12°54	25°58	8°R26	7°38	6°1	1°24	F 11
S 12	15 17 57	20°52'46	19°14	2°4	5°14	19°34	27°58	2°7	5°33	12°53	25°59	8°26	7°35	6°7	1°27	S 12
S 13	15 21 53	21°50'33	3°Y46	2°10	6°16	20°17	28°6	2°4	5°32	12°51	26°1	8°24	7°32	6°14	1°31	S 13
M14	15 25 50	22°48'19	18°30	2°21	7°19	21°0	28°15	2°1	5°30	12°49	26°2	8°19	7°29	6°21	1°35	M14
T 15	15 29 47	23°46'04	3♌22	2°36	8°21	21°43	28°24	1°58	5°29	12°48	26°3	8°12	7°26	6°27	1°39	T 15
W16	15 33 43	24°43'47	18°12	2°55	9°24	22°26	28°32	1°55	5°28	12°46	26°5	8°3	7°23	6°34	1°42	W16
T 17	15 37 40	25°41'29	2♌53	3°19	10°27	23°8	28°41	1°52	5°26	12°45	26°6	7°52	7°19	6°41	1°46	T 17
F 18	15 41 36	26°39'10	17°17	3°48	11°31	23°51	28°50	1°49	5°25	12°43	26°7	7°41	7°16	6°47	1°50	F 18
S 19	15 45 33	27°36'50	1♌18	4°20	12°34	24°34	28°59	1°46	5°24	12°41	26°9	7°31	7°13	6°54	1°53	S 19
S 20	15 49 29	28°34'28	14°51	4°56	13°38	25°16	29°9	1°43	5°22	12°40	26°10	7°23	7°10	7°1	1°57	S 20
M21	15 53 26	29°32'05	27°58	5°37	14°42	25°59	29°18	1°39	5°21	12°38	26°12	7°17	7°7	7°7	2°1	M21
T 22	15 57 22	0♌29'40	10♌40	6°21	15°46	26°41	29°27	1°36	5°20	12°37	26°13	7°14	7°4	7°14	2°4	T 22
W23	16 1 19	1°27'14	23°2	7°8	16°51	27°24	29°37	1°33	5°19	12°35	26°14	7°13	7°0	7°21	2°8	W23
T 24	16 5 16	2°24'47	5♌6	8°0	17°55	28°6	29°47	1°29	5°18	12°34	26°16	7°13	6°57	7°27	2°11	T 24
F 25	16 9 12	3°22'18	17°1	8°55	19°0	28°49	29°56	1°25	5°17	12°32	26°17	7°12	6°54	7°34	2°15	F 25
S 26	16 13 9	4°19'47	28°49	9°53	20°5	29°31	0♌6	1°22	5°16	12°31	26°18	7°11	6°51	7°41	2°18	S 26
S 27	16 17 5	5°17'15	10♌38	10°54	21°10	0♌13	0°16	1°18	5°15	12°29	26°20	7°8	6°48	7°47	2°22	S 27
M28	16 21 2	6°14'43	22°31	11°59	22°16	0°55	0°26	1°14	5°14	12°28	26°21	7°2	6°44	7°54	2°25	M28
T 29	16 24 58	7°12'09	4♌32	13°7	23°21	1°37	0°36	1°11	5°13	12°26	26°22	6°53	6°41	8°1	2°28	T 29
W30	16 28 55	8°9'33	16°44	14°18	24°27	2°19	0°46	1°7	5°13	12°25	26°24	6°42	6°38	8°7	2°32	W30
T 31	16 32 51	9♌6'57	29♌8	15♌32	25°Y33	3♌2	0♌57	1♌3	5♌12	12♌23	26♌25	6♌30	6♌35	8♌14	2♌35	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n56	13s29	3s41	13n13	0s12	2s55	0s39	15n17	0s5	21n32	0n39	22s26	1n2	1s40	0n44	14s3
W 2	15 14	18 19	4 20	12 44	0 29	2 37	0 44	15 31	0 4	21 30	0 39	22 26	1 2	1 40	0 44	14 3
T 3	15 32	22 27	4 47	12 17	0 46	2 18	0 49	15 45	0 4	21 29	0 39	22 26	1 2	1 39	0 44	14 2
F 4	15 49	25 39	5 1	11 51	1 3	1 59	0 54	15 58	0 3	21 27	0 39	22 26	1 2	1 38	0 44	14 2
S 5	16 7	27 39	5 1	11 27	1 19	1 39	0 59	16 12	0 2	21 26	0 39	22 27	1 2	1 37	0 44	14 1
S 6	16 24	28 15	4 46	11 4	1 34	1 20	1 4	16 25	0 2	21 25	0 39	22 27	1 2	1 37	0 44	14 1
M 7	16 41	27 19	4 17	10 43	1 49	1 0	1 8	16 38	0 1	21 23	0 39	22 27	1 2	1 36	0 44	14 0
T 8	16 57	24 51	3 33	10 25	2 3	0 40	1 13	16 51	0 0	21 21	0 39	22 27	1 2	1 35	0 44	14 0
W 9	17 14	21 0	2 37	10 8	2 16	0 19	1 17	17 4	0n0	21 20	0 39	22 27	1 2	1 35	0 44	13 59
T 10	17 30	15 57	1 31	9 55	2 28	0n2	1 21	17 17	0 1	21 18	0 39	22 27	1 2	1 34	0 44	13 59
F 11	17 45	9 59	0 18	9 43	2 39	0 23	1 25	17 29	0 2	21 17	0 39	22 27	1 2	1 33	0 43	13 58
S 12	18 1	3 24	0n57	9 34	2 49	0 44	1 29	17 42	0 2	21 15	0 39	22 27	1 2	1 33	0 43	13 58
S 13	18 16	3n29	2 10	9 28	2 58	1 5	1 32	17 54	0 3	21 13	0 39	22 27	1 2	1 32	0 43	13 57
M14	18 31	10 17	3 15	9 24	3 6	1 26	1 36	18 6	0 3	21 11	0 39	22 27	1 2	1 32	0 43	13 57
T 15	18 45	16 32	4 8	9 23	3 13	1 48	1 39	18 18	0 4	21 10	0 39	22 27	1 2	1 31	0 43	13 56
W16	18 59	21 49	4 44	9 24	3 19	2 10	1 42	18 29	0 5	21 8	0 39	22 27	1 1	1 31	0 43	13 56
T 17	19 13	25 41	5 0	9 27	3 24	2 32	1 45	18 41	0 5	21 6	0 39	22 27	1 1	1 30	0 43	13 56
F 18	19 27	27 48	4 57	9 33	3 28	2 54	1 48	18 52	0 6	21 4	0 39	22 27	1 1	1 30	0 43	13 55
S 19	19 40	28 5	4 36	9 41	3 31	3 16	1 51	19 3	0 7	21 2	0 39	22 27	1 1	1 29	0 43	13 55
S 20	19 53	26 38	4 0	9 51	3 33	3 39	1 54	19 14	0 7	21 0	0 39	22 27	1 1	1 29	0 43	13 54
M21	20 6	23 44	3 12	10 3	3 34	4 1	1 56	19 25	0 8	20 58	0 39	22 27	1 1	1 28	0 43	13 54
T 22	20 18	19 46	2 16	10 17	3 35	4 24	1 59	19 36	0 9	20 56	0 39	22 27	1 1	1 28	0 43	13 53
W23	20 30	15 3	1 14	10 33	3 35	4 46	2 1	19 46	0 9	20 54	0 39	22 27	1 1	1 27	0 43	13 53
T 24	20 41	9 50	0 11	10 50	3 33	5 9	2 3	19 56	0 10	20 52	0 39	22 27	1 1	1 27	0 43	13 52
F 25	20 52	4 21	0s52	11 9	3 32	5 32	2 5	20 6	0 10	20 50	0 39	22 28	1 1	1 27	0 43	13 52
S 26	21 3	1s14	1 52	11 30	3 29	5 54	2 7	20 16	0 11	20 48	0 39	22 28	1 1	1 26	0 43	13 52
S 27	21 14	6 47	2 47	11 52	3 26	6 17	2 9	20 26	0 12	20 46	0 39	22 28	1 1	1 26	0 43	13 51
M28	21 24	12 6	3 35	12 16	3 21	6 40	2 10	20 35	0 12	20 44	0 39	22 28	1 1	1 26	0 43	13 51
T 29	21 33	17 3	4 14	12 41	3 17	7 3	2 12	20 44	0 13	20 42	0 39	22 28	1 1	1 25	0 43	13 50
W30	21 43	21 22	4 42	13 7	3 11	7 26	2 13	20 53	0 13	20 40	0 39	22 28	1 1	1 25	0 43	13 50
T 31	21n52	24s51	4s58	13n34	3s5	7n48	2s14	21n2	0n14	20n37	0n39	22s28	1n1	1s25	0n43	13s49

Julian Day Number = 2318351.5, Delta T = 53.83 sec
 Ecliptic obliquity = 23°29'21", Nutation = 0°00'05", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°39'02", Lahiri = 18°46'02"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635

geocentric

JUNE 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	16 36 48	10 ^{II} 4'20	11 [♈] 45	16 [♉] 49	26 [♊] 38	3 ^{II} 43	1 [♌] 7	0°R59	5°R11	12°R22	26 [♑] 26	6°R17	6 [♒] 32	8 [♓] 21	2 [♈] 38	F 1
S 2	16 40 45	11° 1'43	24°36	18° 9	27°45	4°25	1°18	0 [♈] 55	5 [♉] 11	12 [♊] 21	26°28	6 [♋] 4	6°29	8°27	2°42	S 2
S 3	16 44 41	11°59'04	7 [♌] 39	19°32	28°51	5° 7	1°28	0°51	5°10	12°19	26°29	5°54	6°25	8°34	2°45	S 3
M 4	16 48 38	12°56'25	20°54	20°57	29°57	5°49	1°39	0°47	5°10	12°18	26°30	5°45	6°22	8°41	2°48	M 4
T 5	16 52 34	13°53'45	4 [♍] 19	22°26	1 [♎] 4	6°31	1°49	0°43	5° 9	12°17	26°32	5°40	6°19	8°47	2°51	T 5
W 6	16 56 31	14°51'04	17°55	23°57	2°11	7°13	2° 0	0°39	5° 9	12°15	26°33	5°37	6°16	8°54	2°55	W 6
T 7	17 0 27	15°48'23	1 [♏] 41	25°32	3°17	7°54	2°11	0°34	5° 9	12°14	26°34	5°D36	6°13	9° 1	2°58	T 7
F 8	17 4 24	16°45'42	15°38	27° 9	4°24	8°36	2°22	0°30	5° 8	12°13	26°36	5°R36	6°10	9° 7	3° 1	F 8
S 9	17 8 21	17°43'00	29°45	28°49	5°31	9°18	2°33	0°26	5° 8	12°11	26°37	5°36	6° 6	9°14	3° 4	S 9
S10	17 12 17	18°40'18	14 [♐] 1	0 ^{II} 31	6°39	9°59	2°44	0°22	5° 8	12°10	26°38	5°34	6° 3	9°21	3° 7	S10
M11	17 16 14	19°37'35	28°25	2°17	7°46	10°41	2°55	0°17	5° 8	12° 9	26°39	5°30	6° 0	9°27	3°10	M11
T12	17 20 10	20°34'52	12 [♑] 53	4° 5	8°54	11°22	3° 6	0°13	5° 8	12° 8	26°41	5°23	5°57	9°34	3°13	T12
W13	17 24 7	21°32'09	27°19	5°55	10° 1	12° 4	3°18	0° 9	5°D 8	12° 7	26°42	5°14	5°54	9°41	3°16	W13
T14	17 28 3	22°29'26	11 ^{II} 38	7°48	11° 9	12°45	3°29	0° 4	5° 8	12° 5	26°43	5° 3	5°50	9°47	3°19	T14
F15	17 32 0	23°26'42	25°44	9°44	12°17	13°26	3°41	0° 0	5° 8	12° 4	26°44	4°52	5°47	9°54	3°22	F15
S16	17 35 56	24°23'58	9 [♒] 31	11°42	13°25	14° 7	3°52	29 [♓] 56	5° 8	12° 3	26°46	4°42	5°44	10° 1	3°24	S16
S17	17 39 53	25°21'13	22°56	13°43	14°33	14°49	4° 4	29°51	5° 8	12° 2	26°47	4°34	5°41	10° 7	3°27	S17
M18	17 43 50	26°18'28	5 [♓] 58	15°45	15°41	15°30	4°15	29°47	5° 8	12° 1	26°48	4°28	5°38	10°14	3°30	M18
T19	17 47 46	27°15'42	18°38	17°49	16°49	16°11	4°27	29°43	5° 9	12° 0	26°49	4°25	5°35	10°21	3°32	T19
W20	17 51 43	28°12'56	0 [♑] 59	19°55	17°57	16°52	4°39	29°38	5° 9	11°59	26°50	4°D24	5°31	10°27	3°35	W20
T21	17 55 39	29°10'09	13° 5	22° 3	19° 6	17°33	4°50	29°34	5° 9	11°58	26°52	4°24	5°28	10°34	3°38	T21
F22	17 59 36	0 [♒] 7'21	25° 0	24°12	20°14	18°14	5° 2	29°29	5°10	11°57	26°53	4°R25	5°25	10°41	3°40	F22
S23	18 3 32	1° 4'33	6 [♓] 51	26°21	21°23	18°55	5°14	29°25	5°10	11°56	26°54	4°25	5°22	10°47	3°43	S23
S24	18 7 29	2° 1'45	18°41	28°32	22°31	19°36	5°26	29°20	5°11	11°55	26°55	4°23	5°19	10°54	3°45	S24
M25	18 11 25	2°58'56	0 [♑] 42	0 [♒] 42	23°40	20°17	5°38	29°16	5°12	11°54	26°56	4°20	5°16	11° 1	3°48	M25
T26	18 15 22	3°56'07	12°47	2°53	24°49	20°57	5°50	29°12	5°12	11°53	26°57	4°14	5°12	11° 7	3°50	T26
W27	18 19 19	4°53'17	25° 1	5° 4	25°58	21°38	6° 2	29° 7	5°13	11°53	26°58	4° 6	5° 9	11°14	3°52	W27
T28	18 23 15	5°50'28	7 [♓] 36	7°14	27° 7	22°19	6°15	29° 3	5°14	11°52	27° 0	3°57	5° 6	11°21	3°55	T28
F29	18 27 12	6°47'38	20°27	9°24	28°16	23° 0	6°27	28°59	5°15	11°51	27° 1	3°47	5° 3	11°27	3°57	F29
S30	18 31 8	7 [♓] 44'48	3 [♓] 36	11 [♓] 32	29 [♓] 25	23 ^{II} 40	6 [♓] 39	28 [♓] 54	5 [♓] 15	11 [♓] 50	27 [♓] 2	3 [♓] 37	5 [♓] 0	11 [♓] 34	3 [♓] 59	S30

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 0	27s10	4s59	14n 2	2s59	8n11	2s16	21n11	0n15	20n35	0n39	22s28	1n 1	1s25	0n43	13s49	1n51	6n50	12s54	9s14	9s 8	5s49	11n59	0s28
S 2	22 9	28 7	4 45	14 31	2 52	8 34	2 17	21 19	0 15	20 33	0 39	22 28	1 1	1 25	0 43	13 49	1 51	6 50	12 54	9 18	9 9	5 52	12 0	0 28
S 3	22 16	27 31	4 16	15 1	2 44	8 57	2 18	21 28	0 16	20 30	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 50	12 54	9 22	9 10	5 55	12 1	0 28
M 4	22 24	25 22	3 33	15 31	2 36	9 19	2 18	21 36	0 17	20 28	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 50	12 54	9 25	9 12	5 59	12 2	0 28
T 5	22 31	21 46	2 37	16 2	2 27	9 42	2 19	21 43	0 17	20 26	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 51	12 55	9 27	9 13	6 2	12 3	0 28
W 6	22 38	16 57	1 32	16 34	2 18	10 4	2 20	21 51	0 18	20 23	0 39	22 28	1 1	1 24	0 42	13 47	1 51	6 51	12 55	9 28	9 14	6 5	12 4	0 28
T 7	22 44	11 13	0 21	17 6	2 9	10 27	2 20	21 58	0 18	20 21	0 39	22 28	1 1	1 24	0 42	13 47	1 51	6 51	12 55	9 29	9 15	6 9	12 5	0 28
F 8	22 50	4 52	0n53	17 38	1 59	10 49	2 20	22 6	0 19	20 18	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 51	12 55	9 29	9 16	6 12	12 6	0 29
S 9	22 55	1n48	2 4	18 10	1 49	11 11	2 20	22 13	0 20	20 16	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 52	12 55	9 29	9 17	6 15	12 7	0 29
S10	23 0	8 26	3 8	18 42	1 38	11 33	2 21	22 20	0 20	20 13	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 52	12 55	9 29	9 19	6 19	12 8	0 29
M11	23 5	14 41	4 1	19 14	1 27	11 55	2 21	22 26	0 21	20 11	0 39	22 29	1 1	1 24	0 42	13 45	1 51	6 52	12 55	9 31	9 20	6 22	12 8	0 29
T12	23 9	20 10	4 39	19 45	1 16	12 16	2 21	22 33	0 21	20 8	0 39	22 29	1 1	1 24	0 42	13 45	1 51	6 52	12 55	9 33	9 21	6 25	12 9	0 29
W13	23 13	24 27	4 59	20 16	1 5	12 38	2 20	22 39	0 22	20 6	0 39	22 29	1 0	1 24	0 42	13 45	1 51	6 52	12 55	9 37	9 22	6 29	12 10	0 29
T14	23 17	27 10	5 0	20 46	0 54	12 59	2 20	22 45	0 23	20 3	0 39	22 29	1 0	1 24	0 42	13 44	1 51	6 53	12 55	9 41	9 23	6 32	12 11	0 29
F15	23 20	28 7	4 42	21 16	0 42	13 20	2 20	22 51	0 23	20 0	0 39	22 29	1 0	1 24	0 42	13 44	1 51	6 53	12 55	9 45	9 24	6 35	12 12	0 29
S16	23 22	27 17	4 8	21 44	0 31	13 41	2 19	22 56	0 24	19 58	0 39	22 29	1 0	1 24	0 42	13 44	1 50	6 53	12 55	9 48	9 26	6 38	12 13	0 29
S17	23 24	24 51	3 22	22 10	0 19	14 2	2 19	23 1	0 24	19 55	0 39	22 29	1 0	1 24	0 42	13 44	1 50	6 53	12 55	9 51	9 27	6 42	12 14	0 30
M18	23 26	21 10	2 25	22 35	0 8	14 22	2 18	23 7	0 25	19 52	0 39	22 29	1 0	1 24	0 42	13 43	1 50	6 53	12 55	9 53	9 28	6 45	12 15	0 30
T19	23 28	16 35	1 23	22 59	0n 3	14 42	2 17	23 12	0 25	19 49	0 39	22 29	1 0	1 24	0 42	13 43	1 50	6 53	12 56	9 55	9 29	6 48	12 15	0 30
W20	23 29	11 26	0 18	23 20	0 14	15 2	2 16	23 16	0 26	19 46	0 39	22 29	1 0	1 25	0 42	13 43	1 50	6 54	12 56	9 55	9 30	6 52	12 16	0 30
T21	23 29	5 57	0s46	23 39	0 24	15 22	2 15	23 21	0 27	19 44	0 39	22 29	1 0	1 25	0 42	13 43	1 50	6 54	12 56	9 55	9 31	6 55	12 17	0 30
F22	23 29	0 20	1 48	23 56	0 35	15 41	2 14	23 25	0 27	19 41	0 39	22 29	1 0	1 25	0 42	13 42	1 50	6 54	12 56	9 55	9 33	6 58	12 18	0 30
S23	23 29	5s14	2 44	24 11	0 44	16 0	2 13	23 29	0 28	19 38	0 39	22 30	1 0	1 25	0 42	13 42	1 50	6 54	12 56	9 55	9 34	7 2	12 18	0 30
S24	23 28	10 38	3 34	24 22	0 53	16 19	2 12	23 33	0 28	19 35	0 39	22 30	1 0	1 26	0 42	13 42	1 50	6 54	12 56	9 55	9 35	7 5	12 19	0 30
M25	23 27	15 40	4 14	24 31	1 2	16 37	2 11	23 37	0 29	19 32	0 39	22 30	1 0	1 26	0 42	13 42	1 50	6 54	12 56	9 57	9 36	7 8	12 20	0 30
T26	23 26	20 11	4 44	24 37	1 10	16 55	2 9	23 40	0 30	19 29	0 39	22 30	0 59	1 26	0 42	13 41	1 50	6 54	12 56	9 59	9 37	7 11	12 21	0 30
W27	23 24	23 55	5 1	24 41	1 17	17 13	2 8	23 44	0 30	19 26	0 39	22 30	0 59	1 26	0 42	13 41	1 50	6 54	12 57	10 2	9 38	7 15	12 21	0 31
T28	23 22	26 37	5 4	24 41	1 24	17 30	2 6	23 47	0 31	19 23	0 39	22 30	0 59	1 27	0 42	13 41	1 50	6 55	12 57	10 5	9 40	7 18	12 22	0 31
F29	23 19	28 0	4 52	24 39	1 30	17 47	2 5	23 49	0 31	19 20	0 39	22 30	0 59	1 27	0 42	13 41	1 50	6 55	12 57	10 9	9 41	7 21	12 23	0 31
S30	23n16	27s51	4s24	24n34	1n35	18n 4	2s 3	23n52	0n32	19n17	0n39	22s30	0n59	1s28	0n41	13s41	1n50	6n55	12s57	10s12	9s42	7s25	12n23	0s31

ASTRODIENST EPHEMERIS for the year 1635

geocentric

JULY 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 35 5	8°41'59	17°0	13°40	0°11'35	24°11'21	6°0'51	28°R50	5°16	11°R50	27°8 3	3°R29	4°56	11°41	4°8 1	S 1
M 2	18 39 1	9°39'09	0°38	15°46	1°44	25° 1	7° 4	28°46	5°17	11°49	27° 4	3°23	4°53	11°47	4° 3	M 2
T 3	18 42 58	10°36'19	14°27	17°51	2°54	25°42	7°16	28°41	5°18	11°48	27° 5	3°19	4°50	11°54	4° 6	T 3
W 4	18 46 54	11°33'30	28°24	19°55	4° 3	26°22	7°29	28°37	5°19	11°48	27° 6	3°D18	4°47	12° 1	4° 8	W 4
T 5	18 50 51	12°30'41	12°28	21°56	5°13	27° 2	7°41	28°33	5°21	11°47	27° 7	3°18	4°44	12° 7	4° 9	T 5
F 6	18 54 48	13°27'53	26°35	23°56	6°23	27°43	7°54	28°29	5°22	11°46	27° 8	3°19	4°41	12°14	4°11	F 6
S 7	18 58 44	14°25'05	10°44	25°55	7°32	28°23	8° 6	28°24	5°23	11°46	27° 9	3°R20	4°37	12°21	4°13	S 7
S 8	19 2 41	15°22'18	24°55	27°51	8°42	29° 3	8°19	28°20	5°24	11°45	27°10	3°20	4°34	12°27	4°15	S 8
M 9	19 6 37	16°19'31	9°5	29°46	9°52	29°44	8°31	28°16	5°26	11°45	27°11	3°17	4°31	12°34	4°17	M 9
T 10	19 10 34	17°16'45	23°11	1°39	11° 2	0°524	8°44	28°12	5°27	11°44	27°12	3°13	4°28	12°41	4°19	T 10
W11	19 14 30	18°13'59	7°13	3°30	12°13	1° 4	8°57	28° 8	5°28	11°44	27°13	3° 8	4°25	12°47	4°20	W11
T 12	19 18 27	19°11'15	21° 5	5°19	13°23	1°44	9° 9	28° 4	5°30	11°44	27°14	3° 1	4°22	12°54	4°22	T 12
F 13	19 22 24	20° 8'31	4°45	7° 7	14°33	2°24	9°22	28° 0	5°31	11°43	27°15	2°54	4°18	13° 1	4°23	F 13
S 14	19 26 20	21° 5'47	18° 9	8°52	15°43	3° 4	9°35	27°56	5°33	11°43	27°15	2°48	4°15	13° 8	4°25	S 14
S 15	19 30 17	22° 3'04	1°17	10°36	16°54	3°44	9°48	27°52	5°35	11°43	27°16	2°42	4°12	13°14	4°26	S 15
M16	19 34 13	23° 0'21	14° 7	12°18	18° 4	4°24	10° 1	27°49	5°36	11°42	27°17	2°39	4° 9	13°21	4°28	M16
T 17	19 38 10	23°57'39	26°39	13°58	19°15	5° 4	10°14	27°45	5°38	11°42	27°18	2°D37	4° 6	13°28	4°29	T 17
W18	19 42 6	24°54'57	8°56	15°36	20°25	5°43	10°26	27°41	5°40	11°42	27°19	2°37	4° 2	13°34	4°30	W18
T 19	19 46 3	25°52'15	21° 0	17°12	21°36	6°23	10°39	27°38	5°42	11°42	27°20	2°39	3°59	13°41	4°32	T 19
F 20	19 49 59	26°49'34	2°55	18°47	22°47	7° 3	10°52	27°34	5°44	11°41	27°20	2°40	3°56	13°48	4°33	F 20
S 21	19 53 56	27°46'53	14°45	20°19	23°58	7°43	11° 5	27°31	5°45	11°41	27°21	2°42	3°53	13°54	4°34	S 21
S 22	19 57 53	28°44'13	26°37	21°50	25° 9	8°22	11°18	27°27	5°47	11°41	27°22	2°R42	3°50	14° 1	4°35	S 22
M23	20 1 49	29°41'33	8°33	23°19	26°20	9° 2	11°31	27°24	5°49	11°41	27°23	2°42	3°47	14° 8	4°36	M23
T 24	20 5 46	0°38'54	20°40	24°46	27°31	9°41	11°44	27°20	5°51	11°D41	27°23	2°40	3°43	14°14	4°37	T 24
W25	20 9 42	1°36'16	3°1	26°11	28°42	10°21	11°57	27°17	5°54	11°41	27°24	2°37	3°40	14°21	4°38	W25
T 26	20 13 39	2°33'38	15°41	27°35	29°53	11° 0	12°10	27°14	5°56	11°41	27°25	2°33	3°37	14°28	4°39	T 26
F 27	20 17 35	3°31'01	28°41	28°56	1°5	11°40	12°23	27°11	5°58	11°41	27°25	2°29	3°34	14°34	4°39	F 27
S 28	20 21 32	4°28'24	12°2	0°15	2°15	12°19	12°37	27° 8	6° 0	11°41	27°26	2°24	3°31	14°41	4°40	S 28
S 29	20 25 28	5°25'48	25°43	1°32	3°27	12°59	12°50	27° 5	6° 2	11°42	27°27	2°21	3°28	14°48	4°41	S 29
M30	20 29 25	6°23'13	9°43	2°47	4°38	13°38	13° 3	27° 2	6° 5	11°42	27°27	2°18	3°24	14°54	4°42	M30
T 31	20 33 22	7°20'39	23°57	4°10	5°50	14°17	13°16	26°59	6° 7	11°42	27°28	2°17	3°21	15° 1	4°42	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	23n12	26s 4	3s42	24n26	1n40	18n20	2s 1	23n54	0n32	19n14	0n39	22s30	0n59	1s28	0n41	13s40
M 2	23 8	22 45	2 46	24 16	1 43	18 36	1 59	23 57	0 33	19 11	0 39	22 30	0 59	1 28	0 41	13 40
T 3	23 4	18 7	1 40	24 3	1 46	18 52	1 58	23 59	0 34	19 8	0 39	22 30	0 59	1 29	0 41	13 40
W 4	22 59	12 28	0 26	23 48	1 49	19 7	1 56	24 0	0 34	19 5	0 40	22 30	0 59	1 29	0 41	13 40
T 5	22 54	6 9	0n49	23 31	1 50	19 21	1 54	24 2	0 35	19 1	0 40	22 30	0 59	1 30	0 41	13 40
F 6	22 48	0n30	2 2	23 11	1 51	19 35	1 52	24 3	0 35	18 58	0 40	22 30	0 58	1 30	0 41	13 40
S 7	22 42	7 8	3 8	22 50	1 51	19 49	1 49	24 5	0 36	18 55	0 40	22 30	0 58	1 31	0 41	13 40
S 8	22 36	13 25	4 2	22 26	1 51	20 2	1 47	24 5	0 36	18 52	0 40	22 30	0 58	1 31	0 41	13 39
M 9	22 29	18 59	4 41	22 1	1 49	20 15	1 45	24 6	0 37	18 48	0 40	22 31	0 58	1 32	0 41	13 39
T 10	22 22	23 30	5 4	21 35	1 48	20 27	1 43	24 7	0 37	18 45	0 40	22 31	0 58	1 32	0 41	13 39
W11	22 15	26 37	5 7	21 7	1 45	20 39	1 40	24 7	0 38	18 42	0 40	22 31	0 58	1 33	0 41	13 39
T 12	22 7	28 4	4 53	20 38	1 42	20 50	1 38	24 7	0 39	18 39	0 40	22 31	0 58	1 34	0 41	13 39
F 13	21 58	27 46	4 22	20 7	1 39	21 1	1 35	24 7	0 39	18 35	0 40	22 31	0 58	1 34	0 41	13 39
S 14	21 50	25 51	3 37	19 36	1 35	21 11	1 33	24 7	0 40	18 32	0 40	22 31	0 58	1 35	0 41	13 39
S 15	21 41	22 33	2 42	19 3	1 30	21 21	1 30	24 6	0 40	18 28	0 40	22 31	0 57	1 36	0 41	13 39
M16	21 31	18 12	1 39	18 30	1 25	21 30	1 28	24 6	0 41	18 25	0 40	22 31	0 57	1 36	0 41	13 39
T 17	21 22	13 10	0 32	17 56	1 19	21 38	1 25	24 5	0 41	18 22	0 40	22 31	0 57	1 37	0 41	13 39
W18	21 11	7 43	0s34	17 22	1 13	21 46	1 23	24 4	0 42	18 18	0 40	22 31	0 57	1 38	0 41	13 39
T 19	21 1	2 4	1 39	16 46	1 7	21 54	1 20	24 2	0 42	18 15	0 40	22 31	0 57	1 39	0 41	13 39
F 20	20 50	3s34	2 38	16 11	1 0	22 0	1 17	24 1	0 43	18 11	0 40	22 31	0 57	1 39	0 41	13 39
S 21	20 39	9 3	3 30	15 35	0 53	22 7	1 14	23 59	0 43	18 8	0 40	22 31	0 57	1 40	0 41	13 39
S 22	20 27	14 12	4 13	14 58	0 45	22 12	1 12	23 57	0 44	18 4	0 40	22 31	0 57	1 41	0 41	13 39
M23	20 15	18 53	4 45	14 22	0 37	22 17	1 9	23 55	0 44	18 0	0 40	22 31	0 56	1 42	0 41	13 39
T 24	20 3	22 52	5 6	13 45	0 29	22 22	1 6	23 53	0 45	17 57	0 40	22 31	0 56	1 43	0 41	13 39
W25	19 51	25 55	5 13	13 8	0 21	22 26	1 3	23 50	0 46	17 53	0 40	22 32	0 56	1 44	0 40	13 39
T 26	19 38	27 46	5 5	12 31	0 12	22 29	1 0	23 48	0 46	17 50	0 41	22 32	0 56	1 44	0 40	13 39
F 27	19 24	28 10	4 41	11 55	0 2	22 32	0 57	23 45	0 47	17 46	0 41	22 32	0 56	1 45	0 40	13 39
S 28	19 11	26 57	4 1	11 18	0s 7	22 34	0 54	23 42	0 47	17 42	0 41	22 32	0 56	1 46	0 40	13 39
S 29	18 57	24 7	3 7	10 42	0 17	22 35	0 51	23 39	0 48	17 39	0 41	22 32	0 56	1 47	0 40	13 40
M30	18 43	19 48	2 1	10 5	0 26	22 36	0 49	23 35	0 48	17 35	0 41	22 32	0 55	1 48	0 40	13 40
T 31	18n28	14s17	0s46	9n30	0s37	22n36	0s46	23n32	0n49	17n31	0n41	22s32	0n55	1s49	0n40	13s40

Julian Day Number = 2318412.5, Delta T = 53.70 sec

Ecliptic obliquity = 23°29'20", Nutation = 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°39'10", Lahiri = 18°46'10"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635
geocentric

AUGUST 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	20 37 18	8♌18'06	8♋20	5♎11	7♏1	14♏56	13♏29	26°R56	6♎9	11♎42	27♏28	2°D17	3♋18	15♎8	4♋43	W 1
T 2	20 41 15	9°15'35	22°48	6°19	8°13	15°35	13°42	26°454	6°12	11°42	27°29	2♋18	3°15	15°14	4°43	T 2
F 3	20 45 11	10°13'04	7°16	7°25	9°24	16°15	13°55	26°51	6°14	11°43	27°29	2°19	3°12	15°21	4°43	F 3
S 4	20 49 8	11°10'35	21°39	8°29	10°36	16°54	14°8	26°48	6°17	11°43	27°30	2°20	3°8	15°28	4°44	S 4
S 5	20 53 4	12°8'07	5♋54	9°30	11°48	17°33	14°21	26°46	6°19	11°43	27°30	2°R21	3°5	15°34	4°44	S 5
M 6	20 57 1	13°5'41	20°0	10°28	13°0	18°12	14°35	26°44	6°22	11°44	27°31	2°21	3°2	15°41	4°44	M 6
T 7	21 0 57	14°3'17	3♌54	11°23	14°12	18°51	14°48	26°41	6°25	11°44	27°31	2°20	2°59	15°48	4°44	T 7
W 8	21 4 54	15°0'53	17°36	12°16	15°24	19°30	15°1	26°39	6°27	11°45	27°32	2°18	2°56	15°54	4°44	W 8
T 9	21 8 51	15°58'32	1♏5	13°5	16°36	20°9	15°14	26°37	6°30	11°45	27°32	2°16	2°53	16°1	4°R44	T 9
F 10	21 12 47	16°56'12	14°19	13°51	17°48	20°48	15°27	26°35	6°33	11°46	27°32	2°14	2°49	16°8	4°44	F 10
S 11	21 16 44	17°53'53	27°20	14°33	19°0	21°26	15°40	26°33	6°35	11°46	27°33	2°12	2°46	16°15	4°44	S 11
S 12	21 20 40	18°51'36	10♌6	15°12	20°12	22°5	15°54	26°31	6°38	11°47	27°33	2°11	2°43	16°21	4°44	S 12
M13	21 24 37	19°49'19	22°39	15°47	21°25	22°44	16°7	26°29	6°41	11°48	27°33	2°10	2°40	16°28	4°44	M13
T 14	21 28 33	20°47'05	4♎59	16°17	22°37	23°23	16°20	26°28	6°44	11°48	27°34	2°D10	2°37	16°35	4°44	T 14
W15	21 32 30	21°44'51	17°8	16°44	23°50	24°1	16°33	26°26	6°47	11°49	27°34	2°10	2°34	16°41	4°43	W15
T 16	21 36 26	22°42'39	29°7	17°6	25°2	24°40	16°46	26°24	6°50	11°50	27°34	2°11	2°30	16°48	4°43	T 16
F 17	21 40 23	23°40'28	11♎0	17°23	26°15	25°19	16°59	26°23	6°53	11°50	27°35	2°12	2°27	16°55	4°43	F 17
S 18	21 44 20	24°38'18	22°50	17°35	27°27	25°57	17°12	26°22	6°56	11°51	27°35	2°13	2°24	17°1	4°42	S 18
S 19	21 48 16	25°36'10	4♎40	17°41	28°40	26°36	17°25	26°20	6°59	11°52	27°35	2°13	2°21	17°8	4°42	S 19
M20	21 52 13	26°34'03	16°36	17°R42	29°53	27°14	17°38	26°19	7°2	11°53	27°35	2°14	2°18	17°15	4°41	M20
T 21	21 56 9	27°31'57	28°42	17°37	1♌5	27°52	17°51	26°18	7°5	11°54	27°35	2°R14	2°14	17°21	4°40	T 21
W22	22 0 6	28°29'52	11♊1	17°27	2°18	28°31	18°5	26°17	7°8	11°55	27°35	2°14	2°11	17°28	4°40	W22
T 23	22 4 2	29°27'49	23°39	17°10	3°31	29°9	18°18	26°17	7°11	11°56	27°36	2°13	2°8	17°35	4°39	T 23
F 24	22 7 59	0♎25'47	6♋39	16°47	4°44	29°48	18°31	26°16	7°15	11°56	27°36	2°13	2°5	17°41	4°38	F 24
S 25	22 11 55	1°23'47	20°3	16°19	5°57	0♌26	18°44	26°15	7°18	11°57	27°36	2°13	2°2	17°48	4°37	S 25
S 26	22 15 52	2°21'48	3♎53	15°44	7°10	1°4	18°56	26°15	7°21	11°58	27°36	2°D13	1°59	17°55	4°36	S 26
M27	22 19 49	3°19'50	18°6	15°4	8°23	1°42	19°9	26°14	7°24	12°0	27°36	2°13	1°55	18°1	4°35	M27
T 28	22 23 45	4°17'54	2♋38	14°18	9°36	2°20	19°22	26°14	7°28	12°1	27°R36	2°R13	1°52	18°8	4°34	T 28
W29	22 27 42	5°16'00	17°25	13°28	10°49	2°58	19°35	26°13	7°31	12°2	27°36	2°13	1°49	18°15	4°33	W29
T 30	22 31 38	6°14'07	2♎19	12°34	12°2	3°36	19°48	26°13	7°34	12°3	27°36	2°13	1°46	18°22	4°32	T 30
F 31	22 35 35	7♎12'16	17°11	11♎38	13♌16	4♌15	20♌1	26°D13	7♎38	12♎4	27♋36	2♋12	1♋43	18♎28	4♋31	F 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
W 1	18n14	7s57 0n33	8n54 0s47	22n36 0s43	23n28 0n49	17n28 0n41	22s32 0n55	1s50 0n40	13s40 1n48	6n55 13s3	10s41 10s19	9s8 12n34	0s35		
T 2	17 59 1 10	1 51 8 19	0 57 22 34	0 40 23 24	0 50 17 24	0 41 22 32	0 55 1 51	0 40 13 40	1 48 6 54	13 3 10 41	10 20 9 11	12 35 0 35			
F 3	17 43 5n39	3 1 7 45	1 8 22 33	0 37 23 20	0 50 17 20	0 41 22 32	0 55 1 52	0 40 13 40	1 48 6 54	13 3 10 40	10 21 9 15	12 35 0 35			
S 4	17 27 12 9	3 59 7 12	1 19 22 30	0 34 23 15	0 51 17 17	0 41 22 32	0 55 1 53	0 40 13 40	1 48 6 54	13 4 10 40	10 22 9 18	12 35 0 35			
S 5	17 11 17 57	4 43 6 39	1 30 22 27	0 31 23 11	0 51 17 13	0 41 22 32	0 55 1 54	0 40 13 41	1 48 6 54	13 4 10 40	10 24 9 21	12 35 0 35			
M 6	16 55 22 43	5 8 6 7	1 40 22 24	0 28 23 6	0 52 17 9	0 41 22 33	0 54 1 55	0 40 13 41	1 48 6 54	13 4 10 40	10 25 9 24	12 34 0 35			
T 7	16 39 26 8	5 15 5 35	1 51 22 19	0 25 23 1	0 52 17 5	0 41 22 33	0 54 1 56	0 40 13 41	1 48 6 54	13 4 10 40	10 26 9 27	12 34 0 35			
W 8	16 22 27 57	5 4 5 5	2 3 22 14	0 22 22 56	0 53 17 1	0 41 22 33	0 54 1 57	0 40 13 41	1 48 6 54	13 5 10 40	10 27 9 31	12 34 0 35			
T 9	16 5 28 6	4 37 4 36	2 14 22 9	0 19 22 51	0 53 16 58	0 41 22 33	0 54 1 58	0 40 13 41	1 47 6 54	13 5 10 41	10 28 9 34	12 34 0 36			
F 10	15 48 26 36	3 55 4 9	2 25 22 2	0 16 22 46	0 54 16 54	0 42 22 33	0 54 2 0	0 40 13 42	1 47 6 53	13 5 10 42	10 29 9 37	12 34 0 36			
S 11	15 30 23 42	3 1 3 42	2 36 21 56	0 13 22 40	0 54 16 50	0 42 22 33	0 54 2 1	0 40 13 42	1 47 6 53	13 5 10 43	10 30 9 40	12 34 0 36			
S 12	15 12 19 40	1 59 3 17	2 46 21 48	0 10 22 35	0 55 16 46	0 42 22 33	0 53 2 2	0 40 13 42	1 47 6 53	13 5 10 43	10 32 9 43	12 34 0 36			
M13	14 54 14 49	0 52 2 54	2 57 21 40	0 7 22 29	0 55 16 42	0 42 22 33	0 53 2 3	0 40 13 42	1 47 6 53	13 6 10 44	10 33 9 47	12 34 0 36			
T 14	14 36 9 28	0s16 2 32	3 8 21 31	0 4 22 23	0 56 16 38	0 42 22 33	0 53 2 4	0 40 13 42	1 47 6 53	13 6 10 44	10 34 9 50	12 33 0 36			
W15	14 17 3 50	1 22 2 13	3 18 21 22	0 1 22 16	0 56 16 34	0 42 22 33	0 53 2 5	0 40 13 43	1 47 6 53	13 6 10 43	10 35 9 53	12 33 0 36			
T 16	13 58 1s51	2 24 1 55	3 28 21 12	0n 2 22 10	0 57 16 31	0 42 22 34	0 53 2 7	0 40 13 43	1 47 6 52	13 6 10 43	10 36 9 56	12 33 0 36			
F 17	13 39 7 25	3 19 1 40	3 37 21 1	0 4 22 4	0 57 16 27	0 42 22 34	0 53 2 8	0 40 13 43	1 47 6 52	13 7 10 43	10 37 9 59	12 33 0 37			
S 18	13 20 12 41	4 5 1 27	3 47 20 50	0 7 21 57	0 58 16 23	0 42 22 34	0 53 2 9	0 40 13 44	1 47 6 52	13 7 10 43	10 38 10 2	12 32 0 37			
S 19	13 1 17 31	4 41 1 16	3 55 20 38	0 10 21 50	0 58 16 19	0 42 22 34	0 52 2 10	0 40 13 44	1 47 6 52	13 7 10 42	10 40 10 6	12 32 0 37			
M20	12 41 21 42	5 6 1 9	4 3 20 26	0 13 21 43	0 59 16 15	0 42 22 34	0 52 2 11	0 40 13 44	1 47 6 52	13 7 10 42	10 41 10 9	12 32 0 37			
T 21	12 21 25 3	5 17 1 4	4 10 20 13	0 16 21 36	0 59 16 11	0 42 22 34	0 52 2 13	0 40 13 45	1 47 6 51	13 8 10 42	10 42 10 12	12 31 0 37			
W22	12 1 27 19	5 14 1 2	4 16 19 59	0 18 21 29	1 0 16 7	0 43 22 34	0 52 2 14	0 40 13 45	1 47 6 51	13 8 10 42	10 43 10 15	12 31 0 37			
T 23	11 41 28 15	4 55 1 4	4 21 19 45	0 21 21 21	1 0 16 3	0 43 22 34	0 52 2 15	0 40 13 45	1 47 6 51	13 8 10 42	10 44 10 18	12 31 0 37			
F 24	11 21 27 41	4 22 1 9	4 25 19 30	0 24 21 14	1 1 15 59	0 43 22 35	0 52 2 16	0 40 13 46	1 47 6 51	13 8 10 42	10 45 10 21	12 30 0 37			
S 25	11 0 25 30	3 33 1 18	4 28 19 15	0 26 21 6	1 1 15 55	0 43 22 35	0 51 2 18	0 40 13 46	1 46 6 51	13 9 10 42	10 46 10 24	12 30 0 38			
S 26	10 39 21 46	2 31 1 31	4 29 18 59	0 29 20 58	1 2 15 51	0 43 22 35	0 51 2 19	0 39 13 46	1 46 6 50	13 9 10 42	10 48 10 28	12 29 0 38			
M27	10 18 16 40	1 18 1 47	4 28 18 43	0 31 20 50	1 2 15 47	0 43 22 35	0 51 2 20	0 39 13 47	1 46 6 50	13 9 10 42	10 49 10 31	12 29 0 38			
T 28	9 57 10 31	0n 2 6	4 26 18 26	0 34 20 42	1 3 15 43	0 43 22 35	0 51 2 22	0 39 13 47	1 46 6 50	13 9 10 42	10 50 10 34	12 29 0 38			
W29	9 36 3 42	1 23 2 29	4 22 18 8	0 36 20 34	1 3 15 39	0 43 22 35	0 51 2 23	0 39 13 47	1 46 6 50	13 10 10 42	10 51 10 37	12 28 0 38			
T 30	9 15 3n21	2 39 2 55	4 16 17 50	0 39 20 25	1 4 15 36	0 43 22 35	0 51 2 24	0 39 13 48	1 46 6 49	13 10 10 43	10 52 10 40	12 28 0 38			
F 31	8n53 10n13	3n44 3n24	4s8 17n32	0n41 20n17	1n4 15n32	0n43 22s36	0n50 2s26	0n39 13s48	1n46 6n49	13s10 10s43	10s53 10s43	12n27 0s38			

Julian Day Number = 2318443.5, Delta T = 53.64 sec
Ecliptic obliquity = 23°29'20", Nutation = 0°00'09", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'14", Lahiri = 18°46'15"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635
geocentric

SEPTEMBER 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 39 31	8 ^h 10'27	1 ^h 8'56	10°R39	14 ^h 29	4 ^h 53	20 ^h 14	26 ^h 13	7 ^h 41	12 ^h 5	27°R36	2°R12	1 ^h 40	18 ^h 35	4°R29	S 1
S 2	22 43 28	9° 8'40	16°26	9 ^h 40	15°42	5°30	20°27	26°13	7°44	12° 6	27 ^h 36	2 ^h 11	1°36	18°42	4 ^h 28	S 2
M 3	22 47 24	10° 6'56	0 ^h 11'38	8°41	16°56	6° 8	20°39	26°13	7°48	12° 8	27°35	2°11	1°33	18°48	4°27	M 3
T 4	22 51 21	11° 5'13	14°31	7°45	18° 9	6°46	20°52	26°14	7°51	12° 9	27°35	2°D11	1°30	18°55	4°25	T 4
W 5	22 55 18	12° 3'33	28° 3	6°52	19°23	7°24	21° 5	26°14	7°55	12°10	27°35	2°11	1°27	19° 2	4°24	W 5
T 6	22 59 14	13° 1'55	11 ^h 51'16	6° 3	20°37	8° 2	21°17	26°15	7°58	12°12	27°35	2°12	1°24	19° 8	4°22	T 6
F 7	23 3 11	14° 0'18	24°11	5°20	21°50	8°40	21°30	26°15	8° 2	12°13	27°35	2°13	1°20	19°15	4°21	F 7
S 8	23 7 7	14°58'44	6 ^h 15'2	4°44	23° 4	9°17	21°43	26°16	8° 5	12°14	27°35	2°14	1°17	19°22	4°19	S 8
S 9	23 11 4	15°57'12	19°19	4°16	24°18	9°55	21°55	26°17	8° 9	12°16	27°34	2°15	1°14	19°28	4°17	S 9
M10	23 15 0	16°55'42	1 ^h 11'35	3°57	25°32	10°33	22° 8	26°18	8°12	12°17	27°34	2°R15	1°11	19°35	4°15	M10
T 11	23 18 57	17°54'14	13°42	3°46	26°45	11°10	22°20	26°19	8°16	12°19	27°34	2°15	1° 8	19°42	4°14	T 11
W12	23 22 53	18°52'47	25°42	3°D45	27°59	11°48	22°33	26°20	8°20	12°20	27°33	2°13	1° 5	19°48	4°12	W12
T 13	23 26 50	19°51'23	7 ^h 13'36	3°54	29°13	12°25	22°45	26°21	8°23	12°22	27°33	2°11	1° 1	19°55	4°10	T 13
F 14	23 30 47	20°50'00	19°27	4°12	0 ^h 11'27	13° 3	22°57	26°22	8°27	12°23	27°33	2° 9	0°58	20° 2	4° 8	F 14
S 15	23 34 43	21°48'40	1 ^h 11'16	4°39	1°41	13°40	23°10	26°24	8°31	12°25	27°32	2° 5	0°55	20° 9	4° 6	S 15
S 16	23 38 40	22°47'21	13° 7	5°16	2°55	14°18	23°22	26°25	8°34	12°26	27°32	2° 2	0°52	20°15	4° 4	S 16
M17	23 42 36	23°46'04	25° 3	6° 1	4° 9	14°55	23°34	26°27	8°38	12°28	27°32	1°59	0°49	20°22	4° 2	M17
T 18	23 46 33	24°44'48	7 ^h 17'7	6°54	5°24	15°32	23°46	26°28	8°42	12°30	27°31	1°57	0°45	20°29	4° 0	T 18
W19	23 50 29	25°43'35	19°23	7°55	6°38	16°10	23°58	26°30	8°45	12°31	27°31	1°56	0°42	20°35	3°58	W19
T 20	23 54 26	26°42'23	1 ^h 13'56	9° 3	7°52	16°47	24°10	26°32	8°49	12°33	27°30	1°D56	0°39	20°42	3°55	T 20
F 21	23 58 22	27°41'13	14°50	10°17	9° 6	17°24	24°22	26°34	8°53	12°35	27°30	1°57	0°36	20°49	3°53	F 21
S 22	0 2 19	28°40'05	28° 9	11°37	10°20	18° 1	24°34	26°36	8°57	12°36	27°29	1°58	0°33	20°55	3°51	S 22
S 23	0 6 16	29°38'58	11 ^h 18'54	13° 2	11°35	18°38	24°46	26°38	9° 0	12°38	27°29	2° 0	0°30	21° 2	3°49	S 23
M24	0 10 12	0 ^h 13'53	26° 7	14°31	12°49	19°15	24°58	26°40	9° 4	12°40	27°28	2°R 1	0°26	21° 9	3°46	M24
T 25	0 14 9	1°36'50	10 ^h 14'45	16° 4	14° 4	19°52	25°10	26°43	9° 8	12°42	27°28	2° 1	0°23	21°15	3°44	T 25
W 26	0 18 5	2°35'49	25°43	17°40	15°18	20°29	25°21	26°45	9°12	12°43	27°27	1°59	0°20	21°22	3°41	W 26
T 27	0 22 2	3°34'49	10 ^h 17'54	19°18	16°32	21° 6	25°33	26°47	9°15	12°45	27°27	1°56	0°17	21°29	3°39	T 27
F 28	0 25 58	4°33'52	26° 8	20°59	17°47	21°43	25°44	26°50	9°19	12°47	27°26	1°52	0°14	21°36	3°36	F 28
S 29	0 29 55	5°32'57	11 ^h 18'14	22°41	19° 1	22°20	25°56	26°53	9°23	12°49	27°25	1°47	0°11	21°42	3°34	S 29
S 30	0 33 51	6 ^h 13'20'5	26 ^h 18'3	24 ^h 11'25	20 ^h 11'16	22 ^h 15'57	26 ^h 12'7	26 ^h 17'56	9 ^h 21'27	12 ^h 11'51	27 ^h 18'25	1 ^h 14'42	0 ^h 11'7	21 ^h 14'49	3 ^h 18'31	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	8n31	16n27 4n34	3n55 3s58	17n13 0n43	20n 8 1n 5	15n28 0n43	22s36 0n50	2s27 0n39	13s49 1n46	6n49 13s10	10s43 10s54	10s46 12n26	0s38			
S 2	8 9 21 39	5 5 4 28 3 46	16 53 0 46	19 59 1 5	15 24 0 44	22 36 0 50	2 28 0 39	13 49 1 46	6 49 13 11	10 43 10 56	10 50 12 26	0 38				
M 3	7 47 25 29	5 17 5 2 3 33	16 33 0 48	19 50 1 6	15 20 0 44	22 36 0 50	2 30 0 39	13 49 1 46	6 48 13 11	10 43 10 57	10 53 12 25	0 39				
T 4	7 25 27 43	5 10 5 38 3 17	16 13 0 50	19 41 1 6	15 16 0 44	22 36 0 50	2 31 0 39	13 50 1 46	6 48 13 11	10 43 10 58	10 56 12 25	0 39				
W 5	7 3 28 14	4 45 6 13 3 1	15 52 0 52	19 32 1 7	15 12 0 44	22 36 0 50	2 33 0 39	13 50 1 46	6 48 13 11	10 43 10 59	10 59 12 24	0 39				
T 6	6 41 27 6	4 6 6 47 2 43	15 31 0 54	19 23 1 7	15 8 0 44	22 37 0 50	2 34 0 39	13 51 1 46	6 48 13 12	10 43 11 0	11 2 12 24	0 39				
F 7	6 18 24 32	3 15 7 20 2 25	15 9 0 56	19 13 1 7	15 4 0 44	22 37 0 49	2 35 0 39	13 51 1 46	6 47 13 12	10 43 11 1	11 5 12 23	0 39				
S 8	5 56 20 47	2 16 7 51 2 5	14 47 0 58	19 4 1 8	15 0 0 44	22 37 0 49	2 37 0 39	13 52 1 46	6 47 13 12	10 42 11 2	11 8 12 22	0 39				
S 9	5 33 16 11	1 11 8 19 1 46	14 24 1 0	18 54 1 8	14 56 0 44	22 37 0 49	2 38 0 39	13 52 1 46	6 47 13 12	10 42 11 3	11 11 12 22	0 39				
M10	5 10 10 59	0 4 8 45 1 26	14 1 1 2	18 44 1 9	14 52 0 45	22 37 0 49	2 40 0 39	13 53 1 46	6 46 13 12	10 42 11 5	11 14 12 21	0 39				
T 11	4 47 5 27	1s 3 9 7 1 7	13 37 1 4	18 34 1 9	14 48 0 45	22 38 0 49	2 41 0 39	13 53 1 46	6 46 13 13	10 42 11 6	11 18 12 20	0 40				
W12	4 25 0s13	2 6 9 25 0 48	13 14 1 6	18 24 1 10	14 44 0 45	22 38 0 49	2 43 0 39	13 54 1 46	6 46 13 13	10 42 11 7	11 21 12 19	0 40				
T 13	4 2 5 49	3 3 9 39 0 29	12 49 1 7	18 14 1 10	14 40 0 45	22 38 0 48	2 44 0 39	13 54 1 46	6 46 13 13	10 43 11 8	11 24 12 19	0 40				
F 14	3 38 11 12	3 52 9 48 0 12	12 25 1 9	18 4 1 11	14 36 0 45	22 38 0 48	2 45 0 39	13 55 1 45	6 45 13 13	10 44 11 9	11 27 12 18	0 40				
S 15	3 15 16 10	4 30 9 54 0n 5	12 0 1 11	17 54 1 11	14 32 0 45	22 38 0 48	2 47 0 39	13 55 1 45	6 45 13 14	10 45 11 10	11 30 12 17	0 40				
S 16	2 52 20 32	4 58 9 55 0 20	11 35 1 12	17 43 1 12	14 28 0 45	22 38 0 48	2 48 0 39	13 56 1 45	6 45 13 14	10 46 11 11	11 33 12 16	0 40				
M17	2 29 24 7	5 12 9 52 0 35	11 9 1 14	17 33 1 12	14 24 0 45	22 39 0 48	2 50 0 39	13 56 1 45	6 44 13 14	10 47 11 13	11 36 12 15	0 40				
T 18	2 5 26 41	5 13 9 44 0 48	10 43 1 15	17 22 1 13	14 20 0 46	22 39 0 48	2 51 0 39	13 57 1 45	6 44 13 14	10 48 11 14	11 39 12 15	0 40				
W19	1 42 28 3	5 0 9 33 1 0	10 17 1 16	17 11 1 13	14 17 0 46	22 39 0 48	2 53 0 39	13 57 1 45	6 44 13 14	10 49 11 15	11 42 12 14	0 41				
T 20	1 19 28 1	4 33 9 17 1 11	9 50 1 18	17 0 1 14	14 13 0 46	22 39 0 47	2 54 0 39	13 58 1 45	6 44 13 15	10 49 11 16	11 45 12 13	0 41				
F 21	0 55 26 29	3 51 8 58 1 20	9 23 1 19	16 49 1 14	14 9 0 46	22 39 0 47	2 56 0 39	13 58 1 45	6 43 13 15	10 48 11 17	11 48 12 12	0 41				
S 22	0 32 23 26	2 55 8 35 1 28	8 56 1 20	16 39 1 14	14 5 0 46	22 40 0 47	2 57 0 39	13 59 1 45	6 43 13 15	10 48 11 18	11 51 12 11	0 41				
S 23	0 8 18 59	1 48 8 9 1 35	8 29 1 21	16 27 1 15	14 1 0 46	22 40 0 47	2 59 0 39	14 0 1 45	6 43 13 15	10 47 11 19	11 54 12 10	0 41				
M24	0s15 13 21	0 32 7 40 1 41	8 1 1 22	16 16 1 15	13 57 0 46	22 40 0 47	3 0 0 39	14 0 1 45	6 42 13 16	10 47 11 20	11 57 12 9	0 41				
T 25	0 39 6 49	0n48 7 8 1 46	7 34 1 23	16 5 1 16	13 53 0 46	22 40 0 47	3 2 0 39	14 1 1 45	6 42 13 16	10 47 11 22	12 1 12 8	0 41				
W 26	1 2 0n13	2 6 6 34 1 50	7 6 1 24	15 54 1 16	13 50 0 47	22 41 0 46	3 3 0 39	14 1 1 45	6 42 13 16	10 47 11 23	12 4 12 8	0 41				
T 27	1 26 7 20	3 17 5 58 1 52	6 37 1 25	15 42 1 17	13 46 0 47	22 41 0 46	3 5 0 39	14 2 1 45	6 41 13 16	10 49 11 24	12 7 12 7	0 41				
F 28	1 49 14 2	4 13 5 19 1 54	6 9 1 25	15 31 1 17	13 42 0 47	22 41 0 46	3 6 0 39	14 3 1 45	6 41 13 16	10 50 11 25	12 10 12 6	0 42				
S 29	2 13 19 51	4 52 4 40 1 55	5 40 1 26	15 19 1 18	13 38 0 47	22 41 0 46	3 8 0 39	14 3 1 45	6 41 13 17	10 52 11 26	12 13 12 5	0 42				
S 30	2s36 24n19	5n10 3n59	1n55 5n11	1n27 15n 8	1n18 13n35	0n47 22s41	0n46 3s 9	0n39 14s 4	1n45 6n40	13s17 10s53	11s27 12s16	12n 4 0s42				

Julian Day Number = 2318474.5, Delta T = 53.57 sec
Ecliptic obliquity = 23°29'20", Nutation = 0°00'08", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'18", Lahiri = 18°46'19"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635
geocentric

OCTOBER 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 37 48	7♂31'15	10♂29	26♂10	21♂31	23♂34	26♂19	26♂58	9♂30	12♂53	27°R24	1°R38	0♂ 4	21♂56	3°R29	M 1
T 2	0 41 44	8°30'27	24°29	27°55	22°45	24°10	26°30	27° 1	9°34	12°55	27♂23	1♂36	0° 1	22° 2	3♂26	T 2
W 3	0 45 41	9°29'41	8♂ 2	29°41	24° 0	24°47	26°41	27° 4	9°38	12°57	27°23	1°D35	29♂58	22° 9	3°23	W 3
T 4	0 49 38	10°28'58	21°10	1♂27	25°15	25°24	26°52	27° 8	9°42	12°59	27°22	1°35	29°55	22°16	3°21	T 4
F 5	0 53 34	11°28'17	3♂56	3°12	26°30	26° 0	27° 3	27°11	9°46	13° 1	27°21	1°37	29°51	22°22	3°18	F 5
S 6	0 57 31	12°27'39	16°25	4°58	27°44	26°37	27°14	27°14	9°49	13° 3	27°20	1°38	29°48	22°29	3°15	S 6
S 7	1 1 27	13°27'02	28°39	6°44	28°59	27°13	27°25	27°17	9°53	13° 5	27°20	1°R39	29°45	22°36	3°13	S 7
M 8	1 5 24	14°26'28	10♂43	8°29	0♂14	27°50	27°36	27°21	9°57	13° 7	27°19	1°39	29°42	22°42	3°10	M 8
T 9	1 9 20	15°25'56	22°40	10°14	1°29	28°26	27°47	27°24	10° 1	13° 9	27°18	1°36	29°39	22°49	3° 7	T 9
W10	1 13 17	16°25'26	4♂33	11°58	2°44	29° 2	27°58	27°28	10° 4	13°11	27°17	1°32	29°36	22°56	3° 4	W10
T 11	1 17 13	17°24'58	16°23	13°42	3°59	29°39	28° 8	27°32	10° 8	13°13	27°17	1°25	29°32	23° 3	3° 1	T 11
F 12	1 21 10	18°24'33	28°13	15°26	5°14	0♂15	28°19	27°36	10°12	13°15	27°16	1°17	29°29	23° 9	2°58	F 12
S 13	1 25 7	19°24'09	10♂ 4	17° 8	6°29	0°51	28°29	27°39	10°16	13°17	27°15	1° 7	29°26	23°16	2°55	S 13
S 14	1 29 3	20°23'47	21°59	18°50	7°44	1°27	28°39	27°43	10°19	13°19	27°14	0°58	29°23	23°23	2°52	S 14
M15	1 33 0	21°23'28	3♂58	20°32	8°59	2° 3	28°50	27°47	10°23	13°21	27°13	0°49	29°20	23°29	2°50	M15
T 16	1 36 56	22°23'10	16° 5	22°13	10°14	2°39	29° 0	27°52	10°27	13°23	27°12	0°41	29°17	23°36	2°47	T 16
W17	1 40 53	23°22'54	28°22	23°53	11°29	3°15	29°10	27°56	10°31	13°25	27°11	0°36	29°13	23°43	2°44	W17
T 18	1 44 49	24°22'39	10♂52	25°33	12°44	3°51	29°20	28° 0	10°34	13°28	27°10	0°32	29°10	23°49	2°41	T 18
F 19	1 48 46	25°22'27	23°41	27°12	13°59	4°27	29°29	28° 4	10°38	13°30	27° 9	0°D31	29° 7	23°56	2°38	F 19
S 20	1 52 42	26°22'16	6♂50	28°51	15°14	5° 3	29°39	28° 9	10°42	13°32	27° 9	0°32	29° 4	24° 3	2°35	S 20
S 21	1 56 39	27°22'06	20°25	0♂29	16°29	5°39	29°49	28°13	10°45	13°34	27° 8	0°33	29° 1	24°10	2°32	S 21
M22	2 0 36	28°21'59	4♂26	2° 6	17°44	6°15	29°58	28°18	10°49	13°36	27° 7	0°R33	28°57	24°16	2°29	M22
T 23	2 4 32	29°21'53	18°55	3°43	18°59	6°50	0♂ 8	28°23	10°53	13°38	27° 6	0°32	28°54	24°23	2°26	T 23
W24	2 8 29	0♂21'48	3♂48	5°20	20°15	7°26	0°17	28°27	10°56	13°41	27° 5	0°28	28°51	24°30	2°23	W24
T 25	2 12 25	1°21'46	18°59	6°56	21°30	8° 1	0°26	28°32	11° 0	13°43	27° 4	0°22	28°48	24°36	2°20	T 25
F 26	2 16 22	2°21'45	4♂19	8°31	22°45	8°37	0°35	28°37	11° 4	13°45	27° 3	0°13	28°45	24°43	2°17	F 26
S 27	2 20 18	3°21'46	19°36	10° 6	24° 0	9°12	0°44	28°42	11° 7	13°47	27° 2	0° 3	28°42	24°50	2°14	S 27
S 28	2 24 15	4°21'49	4♂38	11°40	25°15	9°48	0°53	28°47	11°11	13°49	27° 1	29♂54	28°38	24°56	2°11	S 28
M29	2 28 11	5°21'55	19°18	13°15	26°31	10°23	1° 2	28°52	11°14	13°52	27° 0	29°45	28°35	25° 3	2° 8	M29
T 30	2 32 8	6°22'02	3♂30	14°48	27°46	10°58	1°11	28°57	11°18	13°54	26°58	29°39	28°32	25°10	2° 5	T 30
W31	2 36 5	7♂22'12	17♂11	16♂21	29♂ 1	11♂34	1♂19	29♂ 2	11♂21	13♂56	26♂57	29♂35	28♂29	25♂17	2♂ 2	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	2s59 27n 8	5n 8	3n16 1n54	4n42 1n27	14n56 1n19	13n31 0n47	22s42 0n46	3s11 0n39	14s 4 1n45	6n40 13s17	10s55 11s28	12s19 12n 3	0s42			
T 2	3 23 28 9	4 47	2 33 1 52	4 13 1 28	14 44 1 19	13 27 0 48	22 42 0 46	3 12 0 39	14 5 1 45	6 40 13 17	10 56 11 29	12 22 12 2	0 42			
W 3	3 46 27 25	4 11	1 49 1 50	3 44 1 28	14 32 1 19	13 23 0 48	22 42 0 45	3 14 0 39	14 6 1 45	6 39 13 17	10 56 11 30	12 25 12 1	0 42			
T 4	4 10 25 9	3 22	1 4 1 48	3 15 1 28	14 20 1 20	13 20 0 48	22 42 0 45	3 15 0 39	14 6 1 45	6 39 13 17	10 56 11 32	12 28 12 0	0 42			
F 5	4 33 21 39	2 25	0 19 1 45	2 45 1 29	14 8 1 20	13 16 0 48	22 42 0 45	3 17 0 39	14 7 1 45	6 39 13 18	10 55 11 33	12 31 11 59	0 42			
S 6	4 56 17 15	1 22	0s26 1 41	2 15 1 29	13 56 1 21	13 13 0 48	22 43 0 45	3 18 0 39	14 7 1 45	6 38 13 18	10 55 11 34	12 34 11 58	0 42			
S 7	5 19 12 13	0 16	1 12 1 37	1 46 1 29	13 44 1 21	13 9 0 48	22 43 0 45	3 20 0 39	14 8 1 45	6 38 13 18	10 55 11 35	12 37 11 57	0 43			
M 8	5 42 6 49	0s49 1 57	1 33 1 16	1 29 13 32	1 22 13 5	0 48 22 43	0 45 3 21	0 39 14 9	1 45 6 38	13 18 10 55	11 36 12 40	11 56 0 43				
T 9	6 5 1 13	1 51 2 43	1 28 0 46	1 29 13 20	1 22 13 2	0 49 22 43	0 45 3 23	0 39 14 9	1 45 6 37	13 18 10 56	11 37 12 43	11 54 0 43				
W10	6 28 4s23	2 48 3 28	1 23 0 16	1 29 13 7	1 23 12 58	0 49 22 43	0 44 3 24	0 39 14 10	1 45 6 37	13 18 10 57	11 38 12 46	11 53 0 43				
T 11	6 51 9 48	3 38 4 14	1 18 0s14	1 29 12 55	1 23 12 55	0 49 22 44	0 44 3 26	0 39 14 11	1 44 6 37	13 19 11 4	11 39 12 49	11 52 0 43				
F 12	7 14 14 52	4 17 4 59	1 12 0 44	1 28 12 43	1 23 12 51	0 49 22 44	0 44 3 27	0 39 14 11	1 44 6 36	13 19 11 3	11 41 12 52	11 51 0 43				
S 13	7 37 19 23	4 46 5 44	1 6 1 14	1 28 12 30	1 24 12 48	0 49 22 44	0 44 3 28	0 39 14 12	1 44 6 36	13 19 11 6	11 42 12 55	11 50 0 43				
S 14	7 59 23 10	5 2 6 28	1 0 1 44	1 28 12 18	1 24 12 44	0 50 22 44	0 44 3 30	0 39 14 13	1 44 6 36	13 19 11 9	11 43 12 58	11 49 0 43				
M15	8 22 25 59	5 6 7 12	0 54 2 14	1 27 12 5	1 25 12 41	0 50 22 45	0 44 3 31	0 39 14 13	1 44 6 36	13 19 11 13	11 44 13 1	11 48 0 43				
T 16	8 44 27 39	4 55 7 56	0 48 2 44	1 27 11 52	1 25 12 38	0 50 22 45	0 44 3 33	0 39 14 14	1 44 6 35	13 19 11 15	11 45 13 4	11 47 0 43				
W17	9 6 28 0	4 31 8 39	0 41 3 14	1 26 11 40	1 26 12 34	0 50 22 45	0 43 3 34	0 39 14 14	1 44 6 35	13 19 11 17	11 46 13 7	11 46 0 44				
T 18	9 28 26 56	3 54 9 21	0 35 3 43	1 26 11 27	1 26 12 31	0 50 22 45	0 43 3 36	0 39 14 15	1 44 6 35	13 20 11 18	11 47 13 10	11 45 0 44				
F 19	9 50 24 26	3 4 10 3	0 28 4 13	1 25 11 14	1 27 12 28	0 50 22 45	0 43 3 37	0 39 14 16	1 44 6 34	13 20 11 19	11 48 13 13	11 44 0 44				
S 20	10 12 20 36	2 4 10 45	0 22 4 43	1 24 11 2	1 27 12 24	0 51 22 45	0 43 3 39	0 39 14 16	1 44 6 34	13 20 11 18	11 49 13 16	11 42 0 44				
S 21	10 33 15 34	0 54 11 26	0 15 5 13	1 23 10 49	1 27 12 21	0 51 22 46	0 43 3 40	0 39 14 17	1 44 6 34	13 20 11 18	11 51 13 19	11 41 0 44				
M22	10 55 9 35	0n21 12 6	0 8 5 42	1 23 10 36	1 28 12 18	0 51 22 46	0 43 3 42	0 39 14 18	1 44 6 33	13 20 11 18	11 52 13 22	11 40 0 44				
T 23	11 16 2 55	1 37 12 45	0 2 6 12	1 22 10 23	1 28 12 15	0 51 22 46	0 43 3 43	0 39 14 18	1 44 6 33	13 20 11 19	11 53 13 25	11 39 0 44				
W24	11 37 4n 5	2 48 13 24	0s 5 6 41	1 21 10 10	1 29 12 12	0 51 22 46	0 43 3 44	0 39 14 19	1 44 6 33	13 20 11 20	11 54 13 28	11 38 0 44				
T 25	11 58 10 58	3 48 14 2	0 12 7 10	1 20 9 57	1 29 12 9	0 52 22 46	0 42 3 46	0 39 14 20	1 44 6 32	13 20 11 22	11 55 13 31	11 37 0 44				
F 26	12 19 17 16	4 33 14 40	0 19 7 39	1 18 9 45	1 30 12 6	0 52 22 47	0 42 3 47	0 39 14 20	1 44 6 32	13 20 11 25	11 56 13 34	11 36 0 44				
S 27	12 40 22 27	4 58 15 16	0 25 8 8	1 17 9 32	1 30 12 3	0 52 22 47	0 42 3 49	0 39 14 21	1 44 6 32	13 20 11 28	11 57 13 36	11 35 0 44				
S 28	13 0 26 4	5 2 15 52	0 32 8 37	1 16 9 19	1 31 12 0	0 52 22 47	0 42 3 50	0 39 14 22	1 44 6 32	13 21 11 32	11 58 13 39	11 33 0 45				
M29	13 20 27 48	4 46 16 27	0 38 9 5	1 15 9 6	1 31 11 57	0 52 22 47	0 42 3 51	0 39 14 22	1 44 6 31	13 21 11 35	11 59 13 42	11 32 0 45				
T 30	13 40 27 39	4 12 17 2	0 45 9 33	1 13 8 53	1 31 11 54	0 53 22 47	0 42 3 53	0 39 14 23	1 44 6 31	13 21 11 37	12 0 13 45	11 31 0 45				
W31	14s 0 25n46	3n25 17s35	0s51 10s 2	1n12 8n40	1n32 11n51	0n53 22s47	0n42 3s54	0n39 14s24	1n44 6n31	13s21 11s39	12s 2 13s48	11n30 0s45				

Julian Day Number = 2318504.5, Delta T = 53.51 sec
Ecliptic obliquity = 23°29'20", Nutation = 0°00'08", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'23", Lahiri = 18°46'23"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1635

geocentric

NOVEMBER 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 40 1	8 ^m 22'23	0 ^h 23	17 ^m 54	0 ^m 17	12 ^m 9	1 ^m 27	29 ^m 7	11 ^m 25	13 ^m 58	26 ^h R56	29 ^h R33	28 ^h 26	25 ^h 23	1 ^h R59	T 1	
F 2	2 43 58	9°22'37	13°10	19°27	1°32	12°44	1°36	29°13	11°28	14° 1	26 ^h 55	29°D33	28°23	25°30	1 ^h 56	F 2	
S 3	2 47 54	10°22'53	25°35	20°59	2°47	13°19	1°44	29°18	11°32	14° 3	26°54	29°R33	28°19	25°37	1°53	S 3	
S 4	2 51 51	11°23'10	7 ^m 44	22°31	4° 3	13°54	1°52	29°23	11°35	14° 5	26°53	29 ^h 33	28°16	25°43	1°50	S 4	
M 5	2 55 47	12°23'30	19°42	24° 2	5°18	14°29	2° 0	29°29	11°38	14° 7	26°52	29°31	28°13	25°50	1°47	M 5	
T 6	2 59 44	13°23'51	1 ^h 34	25°33	6°33	15° 4	2° 7	29°35	11°42	14°10	26°51	29°26	28°10	25°57	1°44	T 6	
W 7	3 3 40	14°24'15	13°23	27° 4	7°49	15°38	2°15	29°40	11°45	14°12	26°50	29°19	28° 7	26° 3	1°41	W 7	
T 8	3 7 37	15°24'40	25°12	28°34	9° 4	16°13	2°23	29°46	11°49	14°14	26°49	29° 9	28° 3	26°10	1°38	T 8	
F 9	3 11 34	16°25'07	7 ^m 5	0 ^h 4	10°19	16°48	2°30	29°51	11°52	14°16	26°48	28°56	28° 0	26°17	1°35	F 9	
S 10	3 15 30	17°25'35	19° 1	1°34	11°35	17°22	2°37	29°57	11°55	14°19	26°47	28°42	27°57	26°24	1°32	S 10	
S 11	3 19 27	18°26'06	1 ^h 3	3° 3	12°50	17°57	2°44	0 ^h 3	11°58	14°21	26°45	28°27	27°54	26°30	1°29	S 11	
M12	3 23 23	19°26'38	13°11	4°32	14° 6	18°31	2°51	0° 9	12° 2	14°23	26°44	28°13	27°51	26°37	1°26	M12	
T 13	3 27 20	20°27'11	25°27	6° 1	15°21	19° 6	2°58	0°15	12° 5	14°25	26°43	28° 1	27°48	26°44	1°23	T 13	
W14	3 31 16	21°27'46	7 ^h 35	7°29	16°37	19°40	3° 4	0°21	12° 8	14°28	26°42	27°52	27°44	26°50	1°21	W14	
T 15	3 35 13	22°28'22	20°29	8°56	17°52	20°14	3°11	0°27	12°11	14°30	26°41	27°46	27°41	26°57	1°18	T 15	
F 16	3 39 9	23°28'59	3 ^h 19	10°23	19° 7	20°48	3°17	0°33	12°14	14°32	26°40	27°43	27°38	27° 4	1°15	F 16	
S 17	3 43 6	24°29'38	16°25	11°50	20°23	21°22	3°23	0°39	12°17	14°34	26°39	27°42	27°35	27°10	1°12	S 17	
S 18	3 47 3	25°30'17	29°51	13°15	21°38	21°56	3°29	0°45	12°20	14°37	26°38	27°42	27°32	27°17	1°10	S 18	
M19	3 50 59	26°30'58	13 ^h 40	14°40	22°54	22°30	3°35	0°51	12°23	14°39	26°36	27°41	27°28	27°24	1° 7	M19	
T 20	3 54 56	27°31'39	27°53	16° 4	24° 9	23° 4	3°41	0°58	12°26	14°41	26°35	27°39	27°25	27°31	1° 4	T 20	
W21	3 58 52	28°32'22	12 ^h 28	17°27	25°25	23°38	3°47	1° 4	12°29	14°43	26°34	27°35	27°22	27°37	1° 2	W21	
T 22	4 2 49	29°33'06	27°22	18°50	26°40	24°11	3°52	1°10	12°32	14°45	26°33	27°27	27°19	27°44	0°59	T 22	
F 23	4 6 45	0 ^h 33'51	12 ^h 28	20°10	27°56	24°45	3°57	1°17	12°35	14°48	26°32	27°17	27°16	27°51	0°57	F 23	
S 24	4 10 42	1°34'37	27°37	21°30	29°11	25°18	4° 2	1°23	12°38	14°50	26°31	27° 6	27°13	27°57	0°54	S 24	
S 25	4 14 38	2°35'25	12 ^h 38	22°47	0 ^h 27	25°52	4° 7	1°30	12°40	14°52	26°30	26°54	27° 9	28° 4	0°52	S 25	
M26	4 18 35	3°36'13	27°20	24° 3	1°42	26°25	4°12	1°36	12°43	14°54	26°29	26°43	27° 6	28°11	0°49	M26	
T 27	4 22 32	4°37'03	11 ^h 38	25°17	2°58	26°58	4°16	1°43	12°46	14°56	26°27	26°35	27° 3	28°18	0°47	T 27	
W28	4 26 28	5°37'55	25°26	26°28	4°13	27°31	4°21	1°49	12°48	14°58	26°26	26°29	27° 0	28°24	0°45	W28	
T 29	4 30 25	6°38'47	8 ^h 45	27°36	5°29	28° 4	4°25	1°56	12°51	15° 1	26°25	26°26	26°57	28°31	0°42	T 29	
F 30	4 34 21	7 ^h 39'41	21 ^h 37	28 ^h 41	6 ^h 44	28 ^h 37	4 ^h 29	2 ^h 2	12 ^h 54	15 ^h 3	26 ^h 24	26°D25	26 ^h 54	28 ^h 38	0 ^h 40	F 30	

Day	☉	☾	♂			♀			♂			♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	14s20	22n32	2n28	18s 8	0s58	10s29	1n11	8n26	1n32	11n48	0n53	22s48	0n42	3s55	0n39	14s24	1n44	6n30	13s21	11s39	12s 3	13s51	11n29	0s45				
F 2	14 39	18 17	1 26	18 39	1 4	10 57	1 9	8 13	1 33	11 45	0 53	22 48	0 41	3 57	0 39	14 25	1 44	6 30	13 21	11 39	12 4	13 54	11 28	0 45				
S 3	14 58	13 21	0 21	19 10	1 10	11 24	1 8	8 0	1 33	11 43	0 53	22 48	0 41	3 58	0 39	14 26	1 44	6 30	13 21	11 39	12 5	13 57	11 27	0 45				
S 4	15 17	8 1	0s43	19 40	1 16	11 51	1 6	7 47	1 34	11 40	0 54	22 48	0 41	3 59	0 39	14 27	1 44	6 30	13 21	11 39	12 6	14 0	11 26	0 45				
M 5	15 35	2 29	1 45	20 9	1 22	12 18	1 4	7 34	1 34	11 37	0 54	22 48	0 41	4 1	0 39	14 27	1 44	6 29	13 21	11 40	12 7	14 3	11 25	0 45				
T 6	15 54	3s 5	2 41	20 36	1 28	12 45	1 3	7 21	1 35	11 35	0 54	22 48	0 41	4 2	0 39	14 28	1 44	6 29	13 21	11 42	12 8	14 6	11 23	0 45				
W 7	16 12	8 31	3 30	21 3	1 33	13 11	1 1	7 8	1 35	11 32	0 54	22 48	0 41	4 3	0 39	14 28	1 44	6 29	13 21	11 44	12 9	14 9	11 22	0 45				
T 8	16 29	13 38	4 10	21 29	1 39	13 37	0 59	6 55	1 35	11 30	0 55	22 49	0 41	4 5	0 39	14 29	1 44	6 28	13 21	11 48	12 10	14 12	11 21	0 45				
F 9	16 47	18 17	4 39	21 54	1 44	14 2	0 57	6 42	1 36	11 27	0 55	22 49	0 41	4 6	0 39	14 30	1 44	6 28	13 21	11 52	12 12	14 14	11 20	0 46				
S 10	17 4	22 14	4 55	22 18	1 49	14 28	0 55	6 29	1 36	11 25	0 55	22 49	0 40	4 7	0 39	14 30	1 44	6 28	13 21	11 57	12 13	14 17	11 19	0 46				
S 11	17 21	25 17	4 59	22 40	1 54	14 52	0 54	6 15	1 37	11 23	0 55	22 49	0 40	4 8	0 39	14 31	1 44	6 28	13 21	12 2	12 14	14 20	11 18	0 46				
M12	17 38	27 13	4 50	23 2	1 58	15 17	0 52	6 2	1 37	11 20	0 55	22 49	0 40	4 10	0 39	14 32	1 44	6 27	13 21	12 7	12 15	14 23	11 17	0 46				
T 13	17 54	27 51	4 27	23 22	2 2	15 41	0 50	5 49	1 38	11 18	0 56	22 49	0 40	4 11	0 39	14 32	1 44	6 27	13 21	12 11	12 16	14 26	11 16	0 46				
W14	18 10	27 5	3 51	23 41	2 6	16 5	0 48	5 36	1 38	11 16	0 56	22 49	0 40	4 12	0 39	14 33	1 44	6 27	13 21	12 14	12 17	14 29	11 15	0 46				
T 15	18 26	24 56	3 3	23 59	2 10	16 28	0 46	5 23	1 39	11 14	0 56	22 49	0 40	4 13	0 39	14 34	1 44	6 27	13 21	12 16	12 18	14 32	11 14	0 46				
F 16	18 41	21 29	2 5	24 15	2 14	16 51	0 44	5 10	1 39	11 12	0 56	22 49	0 40	4 15	0 39	14 34	1 44	6 26	13 21	12 17	12 19	14 35	11 13	0 46				
S 17	18 56	16 53	0 59	24 31	2 17	17 13	0 41	4 57	1 39	11 10	0 57	22 49	0 40	4 16	0 39	14 35	1 44	6 26	13 21	12 18	12 20	14 38	11 12	0 46				
S 18	19 11	11 22	0n11	24 45	2 19	17 35	0 39	4 44	1 40	11 8	0 57	22 50	0 40	4 17	0 39	14 36	1 44	6 26	13 21	12 18	12 21	14 40	11 11	0 46				
M19	19 25	5 9	1 23	24 57	2 22	17 56	0 37	4 31	1 40	11 6	0 57	22 50	0 40	4 18	0 39	14 36	1 44	6 26	13 21	12 18	12 22	14 43	11 10	0 46				
T 20	19 39	1n29	2 32	25 9	2 24	18 17	0 35	4 18	1 41	11 4	0 57	22 50	0 39	4 19	0 39	14 37	1 44	6 26	13 21	12 19	12 24	14 46	11 9	0 46				
W21	19 53	8 12	3 33	25 18	2 25	18 38	0 33	4 5	1 41	11 2	0 58	22 50	0 39	4 20	0 39	14 38	1 44	6 25	13 21	12 20	12 25	14 49	11 8	0 46				
T 22	20 6	14 36	4 20	25 27	2 26	18 57	0 30	3 52	1 42	11 1	0 58	22 50	0 39	4 21	0 39	14 38	1 44	6 25	13 21	12 23	12 26	14 52	11 7	0 46				
F 23	20 19	20 13	4 50	25 34	2 27	19 17	0 28	3 39	1 42	10 59	0 58	22 50	0 39	4 22	0 39	14 39	1 44	6 25	13 21	12 26	12 27	14 55	11 6	0 47				
S 24	20 31	24 32	5 0	25 40	2 27	19 36	0 26	3 26	1 43	10 57	0 58	22 50	0 39	4 24	0 39	14 39	1 44	6 25	13 21	12 30	12 28	14 57	11 5	0 47				
S 25	20 43	27 8	4 49	25 44	2 27	19 54	0 24	3 13	1 43	10 56	0 59	22 50	0 39	4 25	0 39	14 40	1 44	6 25	13 21	12 34	12 29	15 0	11 4	0 47				
M26	20 55	27 46	4 19	25 46	2 25	20 12	0 21	3 0	1 43	10 54	0 59	22 50	0 39	4 26	0 40	14 41	1 44	6 24	13 21	12 38	12 30	15 3	11 3	0 47				
T 27	21 6	26 31	3 33	25 48	2 23	20 29	0 19	2 48	1 44	10 53	0 59	22 50	0 39	4 27	0 40	14 41	1 44	6 24	13 21	12 41	12 31	15 6	11 2	0 47				
W28	21 17	23 39	2 36	25 47	2 21	20 46	0 17	2 35	1 44	10 51	0 59	22 50	0 39	4 28	0 40	14 42	1 44	6 24	13 21	12 43	12 32	15 9	11 1	0 47				
T 29	21 28	19 35	1 32	25 45	2 17	21 2	0 14	2 22	1 45	10 50	1 0	22 50	0 39	4 29	0 40	14 43	1 44	6 24	13 20	12 44	12 33	15 12	11 1	0 47				
F 30	21s38	14n44	0n25	25s42	2s13	21s17	0n12	2n 9	1n45	10n49	1n 0	22s50	0n38	4s30	0n40	14s43	1n44	6n24	13s20	12s44	12s34	15s14	11n 0	0s47				

ASTRODIENST EPHEMERIS for the year 1635
geocentric

DECEMBER 1635 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 38 18	8°40'37	4♐ 6	29°42	8° 0	29♐10	4♐33	2♌ 9	12♌56	15♌ 5	26°R23	26°R25	26°50	28♌44	0°R38	S 1
S 2	4 42 14	9°41'33	16°17	0♌39	9°15	29°43	4°37	2°16	12°59	15° 7	26°22	26°25	26°47	28°51	0♌36	S 2
M 3	4 46 11	10°42'31	28°15	1°31	10°31	0♌16	4°40	2°22	13° 1	15° 9	26°21	26°23	26°44	28°58	0°33	M 3
T 4	4 50 7	11°43'30	10♌ 7	2°17	11°46	0°48	4°44	2°29	13° 4	15°11	26°20	26°20	26°41	29° 4	0°31	T 4
W 5	4 54 4	12°44'30	21°55	2°56	13° 2	1°21	4°47	2°36	13° 6	15°13	26°19	26°13	26°38	29°11	0°29	W 5
T 6	4 58 1	13°45'31	3♐46	3°29	14°17	1°53	4°50	2°43	13° 8	15°15	26°18	26° 4	26°34	29°18	0°27	T 6
F 7	5 1 57	14°46'33	15°42	3°53	15°33	2°25	4°53	2°50	13°11	15°17	26°16	25°52	26°31	29°25	0°25	F 7
S 8	5 5 54	15°47'36	27°45	4° 8	16°48	2°57	4°55	2°56	13°13	15°19	26°15	25°39	26°28	29°31	0°23	S 8
S 9	5 9 50	16°48'40	9♌57	4°R13	18° 4	3°29	4°58	3° 3	13°15	15°21	26°14	25°26	26°25	29°38	0°22	S 9
M10	5 13 47	17°49'45	22°18	4° 8	19°19	4° 1	5° 0	3°10	13°17	15°23	26°13	25°13	26°22	29°45	0°20	M10
T 11	5 17 43	18°50'51	4♌49	3°52	20°35	4°33	5° 2	3°17	13°19	15°25	26°12	25° 2	26°19	29°51	0°18	T 11
W12	5 21 40	19°51'57	17°31	3°23	21°50	5° 5	5° 4	3°24	13°21	15°27	26°11	24°53	26°15	29°58	0°16	W12
T 13	5 25 37	20°53'04	0♌23	2°44	23° 6	5°36	5° 5	3°31	13°23	15°29	26°10	24°48	26°12	0♌ 5	0°15	T 13
F 14	5 29 33	21°54'11	13°26	1°53	24°21	6° 8	5° 7	3°38	13°25	15°31	26° 9	24°45	26° 9	0°12	0°13	F 14
S 15	5 33 30	22°55'18	26°42	0°52	25°37	6°39	5° 8	3°45	13°27	15°33	26° 8	24°D44	26° 6	0°18	0°11	S 15
S 16	5 37 26	23°56'25	10♌11	29°42	26°52	7°10	5° 9	3°52	13°29	15°35	26° 7	24°45	26° 3	0°25	0°10	S 16
M17	5 41 23	24°57'33	23°56	28°25	28° 8	7°41	5°10	3°59	13°31	15°37	26° 6	24°R46	26° 0	0°32	0° 8	M17
T 18	5 45 19	25°58'41	7♐57	27° 4	29°23	8°12	5°11	4° 6	13°32	15°38	26° 5	24°45	25°56	0°38	0° 7	T 18
W19	5 49 16	26°59'48	22°14	25°41	0♌39	8°43	5°11	4°13	13°34	15°40	26° 4	24°42	25°53	0°45	0° 6	W19
T 20	5 53 12	28° 0'56	6♌45	24°20	1°54	9°14	5°12	4°20	13°36	15°42	26° 3	24°37	25°50	0°52	0° 4	T 20
F 21	5 57 9	29° 2'05	21°26	23° 2	3°10	9°44	5°R12	4°27	13°37	15°44	26° 2	24°30	25°47	0°59	0° 3	F 21
S 22	6 1 6	0♌ 3'13	6♐10	21°51	4°25	10°14	5°12	4°34	13°39	15°46	26° 1	24°21	25°44	1° 5	0° 2	S 22
S 23	6 5 2	1° 4'21	20°49	20°47	5°41	10°45	5°11	4°41	13°40	15°47	26° 1	24°12	25°40	1°12	0° 1	S 23
M24	6 8 59	2° 5'30	5♌17	19°53	6°56	11°15	5°11	4°48	13°42	15°49	26° 0	24° 4	25°37	1°19	0° 0	M24
T 25	6 12 55	3° 6'39	19°26	19° 9	8°11	11°45	5°10	4°55	13°43	15°51	25°59	23°57	25°34	1°25	29°Y59	T 25
W26	6 16 52	4° 7'47	3♐11	18°35	9°27	12°14	5°10	5° 2	13°45	15°52	25°58	23°53	25°31	1°32	29°58	W26
T 27	6 20 48	5° 8'57	16°31	18°12	10°42	12°44	5° 9	5° 9	13°46	15°54	25°57	23°51	25°28	1°39	29°57	T 27
F 28	6 24 45	6°10'06	29°27	17°59	11°58	13°14	5° 7	5°16	13°47	15°56	25°56	23°D51	25°25	1°46	29°56	F 28
S 29	6 28 41	7°11'15	12♐ 0	17°D56	13°13	13°43	5° 6	5°24	13°48	15°57	25°55	23°52	25°21	1°52	29°56	S 29
S 30	6 32 38	8°12'25	24°15	18° 1	14°29	14°12	5° 4	5°31	13°49	15°59	25°55	23°53	25°18	1°59	29°55	S 30
M31	6 36 35	9♌13'35	6♌17	18°15	15°34	14°41	5♐ 2	5°38	13°50	16° 0	25°54	23°R54	25°15	2♐ 6	29°Y54	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s48	9n24	0s41	25s37	2s 8	21s32	0n10	1n57	1n46	10n48	1n 0	22s50	0n38	4s31	0n40	14s44	1n44	6n24	13s20	12s44	12s36	15s17	10n59	0s47	
S 2	21 57	3 50	1 43	25 31	2 2	21 46	0 7	1 44	1 46	10 47	1 0	22 50	0 38	4 32	0 40	14 44	1 44	6 24	13 20	12 44	12 37	15 20	10 58	0 47	
M 3	22 6	1s45	2 40	25 24	1 55	21 59	0 5	1 31	1 47	10 46	1 1	22 50	0 38	4 33	0 40	14 45	1 44	6 23	13 20	12 45	12 38	15 23	10 57	0 47	
T 4	22 14	7 13	3 29	25 15	1 46	22 12	0 2	1 19	1 47	10 45	1 1	22 50	0 38	4 33	0 40	14 45	1 44	6 23	13 20	12 46	12 39	15 26	10 56	0 47	
W 5	22 22	12 25	4 10	25 4	1 37	22 25	0s 0	1 6	1 47	10 44	1 1	22 50	0 38	4 34	0 40	14 46	1 44	6 23	13 20	12 48	12 40	15 28	10 56	0 47	
T 6	22 30	17 10	4 39	24 53	1 26	22 36	0 2	0 54	1 48	10 43	1 1	22 50	0 38	4 35	0 40	14 47	1 45	6 23	13 20	12 51	12 41	15 31	10 55	0 47	
F 7	22 37	21 18	4 56	24 40	1 14	22 47	0 5	0 41	1 48	10 42	1 2	22 50	0 38	4 36	0 40	14 47	1 45	6 23	13 20	12 55	12 42	15 34	10 54	0 47	
S 8	22 44	24 35	5 1	24 26	1 1	22 57	0 7	0 29	1 49	10 41	1 2	22 50	0 38	4 37	0 40	14 48	1 45	6 23	13 20	13 0	12 43	15 37	10 53	0 47	
S 9	22 50	26 48	4 52	24 11	0 46	23 7	0 10	0 17	1 49	10 41	1 2	22 50	0 38	4 38	0 40	14 48	1 45	6 23	13 19	13 4	12 44	15 40	10 53	0 48	
M10	22 56	27 44	4 29	23 55	0 30	23 15	0 12	0 5	1 50	10 40	1 3	22 49	0 38	4 39	0 40	14 49	1 45	6 23	13 19	13 9	12 45	15 42	10 52	0 48	
T 11	23 1	27 16	3 53	23 38	0 12	23 23	0 14	0s 8	1 50	10 40	1 3	22 49	0 37	4 39	0 40	14 49	1 45	6 22	13 19	13 12	12 46	15 45	10 51	0 48	
W12	23 6	25 23	3 4	23 20	0n 6	23 31	0 17	0 20	1 51	10 39	1 3	22 49	0 37	4 40	0 40	14 50	1 45	6 22	13 19	13 15	12 47	15 48	10 51	0 48	
T 13	23 10	22 10	2 6	23 2	0 26	23 37	0 19	0 32	1 51	10 39	1 3	22 49	0 37	4 41	0 40	14 50	1 45	6 22	13 19	13 17	12 49	15 51	10 50	0 48	
F 14	23 14	17 47	1 0	22 43	0 45	23 43	0 21	0 44	1 52	10 38	1 4	22 49	0 37	4 42	0 40	14 51	1 45	6 22	13 19	13 18	12 50	15 53	10 50	0 48	
S 15	23 18	12 29	0n10	22 24	1 6	23 49	0 24	0 56	1 52	10 38	1 4	22 49	0 37	4 42	0 40	14 51	1 45	6 22	13 19	13 18	12 51	15 56	10 49	0 48	
S 16	23 21	6 30	1 22	22 4	1 25	23 53	0 26	1 8	1 52	10 38	1 4	22 49	0 37	4 43	0 40	14 52	1 45	6 22	13 18	13 18	12 52	15 59	10 48	0 48	
M17	23 24	0 8	2 29	21 44	1 44	23 57	0 28	1 20	1 53	10 38	1 4	22 49	0 37	4 44	0 40	14 52	1 45	6 22	13 18	13 18	12 53	16 2	10 48	0 48	
T 18	23 26	6n22	3 29	21 25	2 2	24 0	0 31	1 31	1 53	10 38	1 5	22 49	0 37	4 44	0 40	14 53	1 45	6 22	13 18	13 18	12 54	16 4	10 47	0 48	
W19	23 27	12 39	4 18	21 7	2 19	24 2	0 33	1 43	1 54	10 38	1 5	22 48	0 37	4 45	0 40	14 53	1 45	6 22	13 18	13 19	12 55	16 7	10 47	0 48	
T 20	23 28	18 22	4 51	20 49	2 33	24 3	0 35	1 55	1 54	10 38	1 5	22 48	0 37	4 46	0 40	14 54	1 45	6 22	13 18	13 21	12 56	16 10	10 46	0 48	
F 21	23 29	23 3	5 5	20 34	2 45	24 4	0 37	2 6	1 55	10 38	1 6	22 48	0 37	4 46	0 40	14 54	1 45	6 22	13 17	13 23	12 57	16 13	10 46	0 48	
S 22	23 29	26 17	4 59	20 21	2 54	24 4	0 39	2 18	1 55	10 39	1 6	22 48	0 37	4 47	0 40	14 55	1 45	6 22	13 17	13 26	12 58	16 15	10 45	0 48	
S 23	23 29	27 43	4 33	20 9	3 1	24 3	0 42	2 29	1 56	10 39	1 6	22 48	0 37	4 47	0 40	14 55	1 45	6 22	13 17	13 29	12 59	16 18	10 45	0 48	
M24	23 28	27 13	3 50	20 1	3 6	24 2	0 44	2 41	1 56	10 39	1 6	22 48	0 36	4 48	0 40	14 56	1 45	6 22	13 17	13 32	13 0	16 21	10 45	0 48	
T 25	23 27	24 57	2 54	19 55	3 8	24 0	0 46	2 52	1 57	10 40	1 7	22 47	0 36	4 48	0 40	14 56	1 45	6 22	13 17	13 34	13 1	16 23	10 44	0 48	
W26	23 25	21 15	1 49	19 52	3 8	23 57	0 48	3 3	1 57	10 41	1 7	22 47	0 36	4 49	0 40	14 57	1 45	6 22	13 16	13 35	13 2	16 26	10 44	0 48	
T 27	23 23	16 33	0 39	19 52	3 7	23 53	0 50	3 14	1 57	10 41	1 7	22 47	0 36	4 49	0 40	14 57	1 45	6 22	13 16	13 36	13 4	16 29	10 43	0 48	
F 28	23 21	11 13	0s30	19 53	3 4	23 48	0 52	3 25	1 58	10 42	1 7	22 47	0 36	4 50	0 40	14 58	1 45	6 22	13 16	13 36	13 5	16 32	10 43	0 48	
S 29	23 18	5 35	1 36	19 57	3 0	23 43	0 54	3 36	1 58	10 43	1 8	22 47	0 36	4 50	0 40	14 58	1 45	6 22	13 16	13 36	13 6	16 34	10 43	0 48	
S 30	23 14	0s 7	2 37	20 3	2 54	23 37	0 56	3 47	1 59	10 44	1 8	22 46	0 36	4 51	0 40	14 58	1 45	6 22	13 16	13 35	13 7	16 37	10 43	0 48	
M31	23s10	5s42	3s29	20s11	2n48	23s31	0s58	3s58	1n59	10n44	1n 8	22s46	0n36	4s51	0n41	14s59	1n45	6n22	13s15	13s35	13s 8	16s40	10n42	0s49	