



Astrodienst Ephemeris Tables for the year 1614

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 1614
geocentric

JANUARY 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 41 48	10°35'34	9°14	27°35	20°45	28°29	24°6	24°43	28°18	28°41	4°53	1°26	0°41	7°7	28°1	W 1
T 2	6 45 44	11°36'43	22°54	29°12	21°56	29°14	24°13	24°46	28°16	28°41	4°52	1°22	0°38	7°13	28°6	T 2
F 3	6 49 41	12°37'53	6°44	0°36	23°8	29°59	24°19	24°50	28°13	28°41	4°52	1°21	0°34	7°20	28°10	F 3
S 4	6 53 38	13°39'03	20°43	1°57	24°20	0°34	24°26	24°54	28°11	28°41	4°51	1°21	0°31	7°27	28°15	S 4
S 5	6 57 34	14°40'12	4°52	3°14	25°31	1°29	24°32	24°58	28°8	28°41	4°51	1°21	0°28	7°33	28°20	S 5
M 6	7 1 31	15°41'22	19°10	4°27	26°43	2°15	24°39	25°2	28°6	28°41	4°51	1°20	0°25	7°40	28°25	M 6
T 7	7 5 27	16°42'32	3°33	5°36	27°54	3°0	24°45	25°6	28°4	28°40	4°51	1°16	0°22	7°47	28°30	T 7
W 8	7 9 24	17°43'42	18°0	6°39	29°5	3°46	24°51	25°10	28°1	28°40	4°50	1°10	0°19	7°53	28°35	W 8
T 9	7 13 20	18°44'51	2°33	7°36	0°16	4°31	24°56	25°15	27°59	28°40	4°50	1°1	0°15	8°0	28°40	T 9
F 10	7 17 17	19°46'00	16°38	8°26	1°27	5°16	25°2	25°19	27°56	28°39	4°50	0°49	0°12	8°7	28°45	F 10
S 11	7 21 13	20°47'09	0°38	9°7	2°38	6°2	25°7	25°24	27°54	28°39	4°50	0°36	0°9	8°13	28°50	S 11
S 12	7 25 10	21°48'17	14°18	9°39	3°49	6°48	25°13	25°28	27°52	28°39	4°50	0°24	0°6	8°20	28°55	S 12
M13	7 29 7	22°49'24	27°36	10°2	5°0	7°33	25°18	25°33	27°49	28°38	4°50	0°13	0°3	8°27	29°0	M13
T 14	7 33 3	23°50'30	10°31	10°14	6°11	8°19	25°23	25°38	27°47	28°38	4°49	0°4	29°59	8°33	29°5	T 14
W15	7 37 0	24°51'36	23°3	10°R15	7°21	9°4	25°28	25°42	27°45	28°37	4°49	29°58	29°56	8°40	29°10	W15
T 16	7 40 56	25°52'40	5°17	10°5	8°31	9°50	25°32	25°47	27°43	28°37	4°49	29°54	29°53	8°47	29°16	T 16
F 17	7 44 53	26°53'44	17°17	9°43	9°42	10°36	25°37	25°52	27°41	28°36	4°49	29°53	29°50	8°53	29°21	F 17
S 18	7 48 49	27°54'46	29°8	9°9	10°52	11°22	25°41	25°57	27°38	28°36	4°49	29°53	29°47	9°0	29°26	S 18
S 19	7 52 46	28°55'48	10°55	8°25	12°2	12°7	25°45	26°3	27°36	28°35	4°49	29°53	29°44	9°6	29°31	S 19
M20	7 56 42	29°56'48	22°45	7°31	13°11	12°53	25°49	26°8	27°34	28°34	4°49	29°51	29°40	9°13	29°36	M20
T 21	8 0 39	0°57'47	4°42	6°29	14°21	13°39	25°53	26°13	27°32	28°34	4°49	29°48	29°37	9°20	29°41	T 21
W22	8 4 36	1°58'46	16°51	5°20	15°30	14°25	25°57	26°18	27°30	28°33	4°49	29°41	29°34	9°26	29°46	W22
T 23	8 8 32	2°59'43	29°15	4°8	16°40	15°11	26°0	26°24	27°28	28°32	4°49	29°32	29°31	9°33	29°51	T 23
F 24	8 12 29	4°0'39	11°58	2°53	17°49	15°57	26°3	26°29	27°26	28°31	4°50	29°21	29°28	9°40	29°56	F 24
S 25	8 16 25	5°1'34	24°59	1°38	18°58	16°43	26°6	26°35	27°24	28°31	4°50	29°8	29°25	9°46	0°1	S 25
S 26	8 20 22	6°2'27	8°17	0°25	20°7	17°29	26°9	26°40	27°23	28°30	4°50	28°54	29°21	9°53	0°6	S 26
M27	8 24 18	7°3'20	21°51	29°17	21°15	18°15	26°12	26°46	27°21	28°29	4°50	28°42	29°18	10°0	0°11	M27
T 28	8 28 15	8°4'12	5°37	28°14	22°24	19°1	26°15	26°52	27°19	28°28	4°50	28°31	29°15	10°6	0°16	T 28
W29	8 32 11	9°5'02	19°32	27°18	23°32	19°47	26°17	26°58	27°17	28°27	4°50	28°24	29°12	10°13	0°21	W29
T 30	8 36 8	10°5'52	3°33	26°29	24°40	20°33	26°19	27°4	27°15	28°26	4°51	28°19	29°9	10°20	0°26	T 30
F 31	8 40 5	11°6'40	17°36	25°38	25°48	21°39	26°21	27°9	27°14	28°25	4°51	28°17	29°6	10°26	0°31	F 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
W 1	23s 4	11n50	4n 0	22s20	1s42	16s16	1s44	24s 6	0s38	8s11	1n17	4s13	2s18	23n43	0n14	1n47
T 2	22 59	5 43	3 9	21 55	1 35	15 51	1 43	24 7	0 38	8 13	1 17	4 12	2 18	23 43	0 14	1 47
F 3	22 53	0s44	2 7	21 30	1 28	15 25	1 41	24 8	0 39	8 15	1 17	4 10	2 18	23 43	0 14	1 47
S 4	22 47	7 15	0 56	21 3	1 19	15 0	1 39	24 9	0 39	8 17	1 17	4 8	2 18	23 43	0 14	1 48
S 5	22 41	13 28	0s19	20 36	1 10	14 34	1 37	24 9	0 40	8 20	1 18	4 6	2 17	23 43	0 14	1 48
M 6	22 34	19 3	1 33	20 9	0 59	14 7	1 35	24 9	0 40	8 22	1 18	4 5	2 17	23 43	0 14	1 48
T 7	22 27	23 33	2 42	19 41	0 48	13 40	1 32	24 8	0 41	8 24	1 18	4 3	2 17	23 43	0 14	1 48
W 8	22 19	26 36	3 40	19 13	0 35	13 13	1 30	24 8	0 41	8 26	1 18	4 1	2 17	23 43	0 14	1 48
T 9	22 11	27 53	4 24	18 46	0 22	12 46	1 27	24 7	0 42	8 28	1 18	3 59	2 17	23 43	0 14	1 48
F 10	22 2	27 16	4 52	18 19	0 7	12 18	1 25	24 6	0 43	8 29	1 19	3 57	2 16	23 43	0 14	1 48
S 11	21 53	24 57	5 1	17 53	0n 8	11 50	1 22	24 4	0 43	8 31	1 19	3 55	2 16	23 43	0 14	1 49
S 12	21 43	21 13	4 52	17 29	0 25	11 22	1 19	24 3	0 44	8 33	1 19	3 53	2 16	23 43	0 14	1 49
M13	21 33	16 31	4 27	17 6	0 42	10 53	1 17	24 1	0 44	8 35	1 19	3 51	2 16	23 43	0 14	1 49
T 14	21 23	11 11	3 50	16 46	1 0	10 24	1 14	23 58	0 45	8 36	1 19	3 49	2 16	23 43	0 14	1 49
W15	21 12	5 33	3 2	16 28	1 18	9 55	1 11	23 56	0 45	8 38	1 20	3 47	2 16	23 43	0 14	1 50
T 16	21 1	0n10	2 6	16 13	1 36	9 26	1 7	23 53	0 46	8 39	1 20	3 45	2 15	23 43	0 14	1 50
F 17	20 49	5 47	1 6	16 1	1 54	8 56	1 4	23 50	0 46	8 41	1 20	3 43	2 15	23 43	0 14	1 50
S 18	20 37	11 8	0 4	15 53	2 12	8 27	1 1	23 47	0 47	8 42	1 20	3 41	2 15	23 43	0 14	1 50
S 19	20 25	16 3	0n58	15 48	2 29	7 57	0 57	23 43	0 47	8 43	1 21	3 38	2 15	23 42	0 14	1 51
M20	20 12	20 24	1 58	15 46	2 45	7 27	0 54	23 40	0 48	8 45	1 21	3 36	2 15	23 42	0 14	1 51
T 21	19 59	23 57	2 53	15 48	2 59	6 57	0 50	23 36	0 48	8 46	1 21	3 34	2 15	23 42	0 14	1 51
W22	19 46	26 30	3 41	15 53	3 12	6 26	0 46	23 31	0 49	8 47	1 21	3 32	2 14	23 42	0 14	1 52
T 23	19 32	27 49	4 20	16 0	3 22	5 56	0 43	23 27	0 49	8 48	1 22	3 29	2 14	23 42	0 14	1 52
F 24	19 18	27 43	4 47	16 9	3 30	5 25	0 39	23 22	0 50	8 49	1 22	3 27	2 14	23 42	0 14	1 52
S 25	19 3	26 5	4 59	16 21	3 35	4 55	0 35	23 17	0 50	8 50	1 22	3 25	2 14	23 42	0 14	1 53
S 26	18 48	23 0	4 56	16 34	3 38	4 24	0 31	23 11	0 51	8 51	1 22	3 22	2 14	23 42	0 14	1 53
M27	18 33	18 36	4 36	16 47	3 38	3 53	0 26	23 6	0 51	8 51	1 22	3 20	2 14	23 42	0 14	1 53
T 28	18 17	13 11	4 0	17 2	3 36	3 22	0 22	23 0	0 52	8 52	1 23	3 17	2 14	23 42	0 14	1 54
W29	18 1	7 3	3 10	17 16	3 32	2 51	0 18	22 54	0 52	8 53	1 23	3 15	2 13	23 42	0 14	1 54
T 30	17 45	0 32	2 7	17 31	3 27	2 20	0 14	22 47	0 53	8 53	1 23	3 13	2 13	23 42	0 14	1 55
F 31	17s29	6s 3	0n56	17s46	3n19	1s49	0s 9	22s41	0s53	8s54	1n23	3s10	2s13	23n42	0n14	1n55

Julian Day Number = 2310561.5, Delta T = 72.41 sec
Ecliptic obliquity = 23°29'29", Nutation = - 0°00'08", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'11", Lahiri = 18°28'11"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614

geocentric

FEBRUARY 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 44 1	12° 7'28"	11° 41'	25° 16'	26° 56'	22° 36'	26° 23'	27° 15'	27° 12'	28° 24'	4° 51'	28° 17'	29° 2'	10° 33'	0° 36'	S 1
S 2	8 47 58	13° 8'15"	15° 46'	24° 53'	28° 3'	22° 52'	26° 25'	27° 22'	27° 11'	28° 23'	4° 52'	28° 17'	28° 59'	10° 40'	0° 41'	S 2
M 3	8 51 54	14° 9'01"	29° 51'	24° 37'	29° 10'	23° 38'	26° 26'	27° 28'	27° 9'	28° 22'	4° 52'	28° 16'	28° 56'	10° 46'	0° 46'	M 3
T 4	8 55 51	15° 9'46"	13° 54'	24° 29'	0° 17'	24° 24'	26° 27'	27° 34'	27° 8'	28° 21'	4° 52'	28° 13'	28° 53'	10° 53'	0° 51'	T 4
W 5	8 59 47	16° 10'30"	27° 55'	24° 29'	1° 24'	25° 11'	26° 28'	27° 40'	27° 6'	28° 20'	4° 53'	28° 7'	28° 50'	11° 0'	0° 56'	W 5
T 6	9 3 44	17° 11'12"	11° 50'	24° 36'	2° 31'	25° 57'	26° 29'	27° 46'	27° 5'	28° 19'	4° 53'	27° 59'	28° 46'	11° 6'	1° 1'	T 6
F 7	9 7 41	18° 11'54"	25° 38'	24° 50'	3° 37'	26° 44'	26° 30'	27° 53'	27° 3'	28° 18'	4° 53'	27° 48'	28° 43'	11° 13'	1° 5'	F 7
S 8	9 11 37	19° 12'34"	9° 13'	25° 9'	4° 43'	27° 30'	26° 30'	27° 59'	27° 2'	28° 16'	4° 54'	27° 36'	28° 40'	11° 19'	1° 10'	S 8
S 9	9 15 34	20° 13'13"	22° 34'	25° 35'	5° 49'	28° 16'	26° 31'	28° 6'	27° 1'	28° 15'	4° 54'	27° 24'	28° 37'	11° 26'	1° 15'	S 9
M10	9 19 30	21° 13'50"	5° 38'	26° 5'	6° 55'	29° 3'	26° 31'	28° 12'	27° 0'	28° 14'	4° 55'	27° 13'	28° 34'	11° 33'	1° 20'	M10
T 11	9 23 27	22° 14'26"	18° 23'	26° 41'	8° 0'	29° 49'	26° 31'	28° 19'	26° 58'	28° 13'	4° 55'	27° 5'	28° 31'	11° 39'	1° 25'	T 11
W12	9 27 23	23° 14'59"	0° 51'	27° 20'	9° 5'	0° 36'	26° 30'	28° 25'	26° 57'	28° 11'	4° 56'	26° 59'	28° 27'	11° 46'	1° 30'	W12
T 13	9 31 20	24° 15'31"	13° 3'	28° 4'	10° 10'	1° 22'	26° 30'	28° 32'	26° 56'	28° 10'	4° 56'	26° 56'	28° 24'	11° 53'	1° 34'	T 13
F 14	9 35 16	25° 16'02"	25° 2'	28° 52'	11° 14'	2° 9'	26° 29'	28° 38'	26° 55'	28° 9'	4° 57'	26° 54'	28° 21'	11° 59'	1° 39'	F 14
S 15	9 39 13	26° 16'30"	6° 53'	29° 44'	12° 19'	2° 55'	26° 28'	28° 45'	26° 54'	28° 7'	4° 57'	26° 55'	28° 18'	12° 6'	1° 44'	S 15
S 16	9 43 9	27° 16'57"	18° 41'	0° 38'	13° 22'	3° 42'	26° 27'	28° 52'	26° 53'	28° 6'	4° 58'	26° 56'	28° 15'	12° 13'	1° 48'	S 16
M17	9 47 6	28° 17'22"	0° 31'	1° 35'	14° 26'	4° 28'	26° 26'	28° 59'	26° 52'	28° 5'	4° 59'	26° 56'	28° 12'	12° 19'	1° 53'	M17
T 18	9 51 3	29° 17'45"	12° 28'	2° 36'	15° 29'	5° 15'	26° 25'	29° 6'	26° 52'	28° 3'	4° 59'	26° 55'	28° 8'	12° 26'	1° 58'	T 18
W19	9 54 59	0° 18'06"	24° 38'	3° 38'	16° 32'	6° 2'	26° 23'	29° 12'	26° 51'	28° 2'	5° 0'	26° 52'	28° 5'	12° 33'	2° 2'	W19
T 20	9 58 56	1° 18'25"	7° 6'	4° 44'	17° 35'	6° 48'	26° 21'	29° 19'	26° 50'	28° 1'	5° 1'	26° 46'	28° 2'	12° 39'	2° 7'	T 20
F 21	10 2 52	2° 18'42"	19° 54'	5° 51'	18° 37'	7° 35'	26° 19'	29° 26'	26° 49'	27° 59'	5° 1'	26° 39'	27° 59'	12° 46'	2° 11'	F 21
S 22	10 6 49	3° 18'57"	3° 4'	7° 1'	19° 39'	8° 22'	26° 17'	29° 33'	26° 49'	27° 58'	5° 2'	26° 30'	27° 56'	12° 53'	2° 16'	S 22
S 23	10 10 45	4° 19'10"	16° 37'	8° 12'	20° 40'	9° 8'	26° 15'	29° 40'	26° 48'	27° 56'	5° 3'	26° 21'	27° 52'	12° 59'	2° 20'	S 23
M24	10 14 42	5° 19'21"	0° 31'	9° 25'	21° 41'	9° 55'	26° 12'	29° 47'	26° 48'	27° 55'	5° 4'	26° 12'	27° 49'	13° 6'	2° 25'	M24
T 25	10 18 38	6° 19'30"	14° 42'	10° 41'	22° 42'	10° 42'	26° 10'	29° 55'	26° 47'	27° 53'	5° 4'	26° 5'	27° 46'	13° 12'	2° 29'	T 25
W26	10 22 35	7° 19'38"	29° 4'	11° 57'	23° 42'	11° 28'	26° 7'	0° 16'	26° 47'	27° 52'	5° 5'	26° 0'	27° 43'	13° 19'	2° 33'	W26
T 27	10 26 32	8° 19'44"	13° 32'	13° 16'	24° 41'	12° 15'	26° 4'	0° 9'	26° 46'	27° 50'	5° 6'	25° 57'	27° 40'	13° 26'	2° 38'	T 27
F 28	10 30 28	9° 19'48"	27° 59'	14° 36'	25° 41'	13° 22'	26° 1'	0° 16'	26° 46'	27° 49'	5° 7'	25° 56'	27° 37'	13° 32'	2° 42'	F 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
S 1	17s12	12s22	0s18	18s 0	3n11	1s18	0s 4	22s34	0s54	8s54	1n24	3s 8	2s13	23n42	0n14	1n56
S 2	16 55	18 3	1 31	18 14	3 1	0 47	0n 0	22 27	0 54	8 55	1 24	3 5	2 13	23 42	0 14	1 56
M 3	16 37	22 45	2 39	18 27	2 51	0 15	0 5	22 19	0 55	8 55	1 24	3 2	2 13	23 42	0 14	1 56
T 4	16 19	26 6	3 37	18 39	2 40	0n16	0 10	22 11	0 55	8 55	1 24	3 0	2 13	23 42	0 14	1 57
W 5	16 1	27 50	4 21	18 50	2 29	0 47	0 15	22 4	0 56	8 55	1 25	2 57	2 12	23 42	0 14	1 57
T 6	15 43	27 47	4 50	19 0	2 17	1 18	0 19	21 55	0 56	8 55	1 25	2 55	2 12	23 42	0 14	1 58
F 7	15 25	26 0	5 2	19 10	2 5	1 49	0 24	21 47	0 57	8 55	1 25	2 52	2 12	23 42	0 14	1 58
S 8	15 6	22 44	4 56	19 18	1 53	2 20	0 30	21 38	0 57	8 55	1 25	2 49	2 12	23 42	0 14	1 59
S 9	14 47	18 20	4 34	19 25	1 41	2 51	0 35	21 30	0 58	8 55	1 26	2 47	2 12	23 42	0 14	1 59
M10	14 27	13 9	3 58	19 31	1 29	3 22	0 40	21 20	0 58	8 55	1 26	2 44	2 12	23 42	0 14	2 0
T 11	14 8	7 31	3 10	19 36	1 17	3 52	0 45	21 11	0 58	8 55	1 26	2 41	2 12	23 42	0 14	2 0
W12	13 48	1 43	2 14	19 40	1 5	4 23	0 51	21 2	0 59	8 54	1 26	2 39	2 12	23 42	0 14	2 1
T 13	13 28	4n 2	1 13	19 43	0 54	4 53	0 56	20 52	0 59	8 54	1 26	2 36	2 12	23 42	0 14	2 2
F 14	13 8	9 33	0 10	19 44	0 42	5 24	1 1	20 42	1 0	8 54	1 27	2 33	2 11	23 42	0 14	2 2
S 15	12 47	14 41	0n53	19 44	0 31	5 54	1 7	20 31	1 0	8 53	1 27	2 30	2 11	23 42	0 14	2 3
S 16	12 27	19 15	1 54	19 43	0 21	6 24	1 12	20 21	1 1	8 53	1 27	2 28	2 11	23 42	0 14	2 3
M17	12 6	23 4	2 50	19 41	0 10	6 54	1 18	20 10	1 1	8 52	1 27	2 25	2 11	23 42	0 14	2 4
T 18	11 45	25 58	3 39	19 37	0 0	7 24	1 24	19 59	1 1	8 51	1 28	2 22	2 11	23 42	0 14	2 4
W19	11 23	27 42	4 19	19 32	0s10	7 53	1 29	19 48	1 2	8 50	1 28	2 19	2 11	23 42	0 14	2 5
T 20	11 2	28 6	4 48	19 26	0 19	8 23	1 35	19 37	1 2	8 50	1 28	2 16	2 11	23 42	0 14	2 6
F 21	10 40	27 1	5 4	19 18	0 28	8 52	1 41	19 25	1 3	8 49	1 28	2 13	2 11	23 41	0 14	2 6
S 22	10 19	24 26	5 4	19 9	0 37	9 21	1 47	19 14	1 3	8 48	1 28	2 11	2 11	23 41	0 14	2 7
S 23	9 57	20 27	4 47	18 59	0 45	9 50	1 53	19 2	1 3	8 47	1 29	2 8	2 11	23 41	0 14	2 7
M24	9 35	15 16	4 13	18 48	0 54	10 18	1 58	18 50	1 4	8 46	1 29	2 5	2 11	23 41	0 14	2 8
T 25	9 13	9 10	3 23	18 35	1 1	10 46	2 4	18 37	1 4	8 44	1 29	2 2	2 11	23 41	0 14	2 9
W26	8 50	2 31	2 20	18 21	1 9	11 14	2 10	18 25	1 4	8 43	1 29	1 59	2 11	23 41	0 14	2 9
T 27	8 28	4s20	1 7	18 5	1 16	11 42	2 16	18 12	1 5	8 42	1 30	1 56	2 11	23 41	0 14	2 10
F 28	8s 5	10s57	0s11	17s48	1s23	12n 9	2n22	17s59	1s 5	8s40	1n30	1s53	2s10	23n41	0n14	2n11

Julian Day Number = 2310592.5, Delta T = 72.32 sec

Ecliptic obliquity = 23°29'30", Nutation = - 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°21'15", Lahiri = 18°28'16"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614

geocentric

MARCH 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 34 25	10 ¹¹ 19'50	12 ¹¹ 23	15 ¹¹ 57	26 ¹¹ 39	13 ¹¹ 49	25 ¹¹ R57	0 ¹¹ Y23	26 ¹¹ R46	27 ¹¹ R47	5 ¹¹ 8	25 ¹¹ Y57	27 ¹¹ Y33	13 ¹¹ 839	2 ¹¹ 46	S 1
S 2	10 38 21	11 ¹¹ 19'51	26 ¹¹ 40	17 ¹¹ 20	27 ¹¹ 38	14 ¹¹ 35	25 ¹¹ 54	0 ¹¹ 30	26 ¹¹ II46	27 ¹¹ II45	5 ¹¹ 8	25 ¹¹ 58	27 ¹¹ 30	13 ¹¹ 46	2 ¹¹ 51	S 2
M 3	10 42 18	12 ¹¹ 19'50	10 ¹¹ 47	18 ¹¹ 45	28 ¹¹ 36	15 ¹¹ 22	25 ¹¹ 50	0 ¹¹ 38	26 ¹¹ 46	27 ¹¹ 44	5 ¹¹ 9	25 ¹¹ R59	27 ¹¹ 27	13 ¹¹ 52	2 ¹¹ 55	M 3
T 4	10 46 14	13 ¹¹ 19'48	24 ¹¹ 44	20 ¹¹ 10	29 ¹¹ 33	16 ¹¹ 9	25 ¹¹ 46	0 ¹¹ 45	26 ¹¹ 45	27 ¹¹ 42	5 ¹¹ 10	25 ¹¹ 59	27 ¹¹ 24	13 ¹¹ 59	2 ¹¹ 59	T 4
W 5	10 50 11	14 ¹¹ 19'44	8 ¹¹ 39	21 ¹¹ 37	0 ¹¹ 830	16 ¹¹ 56	25 ¹¹ 42	0 ¹¹ 52	26 ¹¹ D45	27 ¹¹ 41	5 ¹¹ 11	25 ¹¹ 56	27 ¹¹ 21	14 ¹¹ 6	3 ¹¹ 3	W 5
T 6	10 54 7	15 ¹¹ 19'39	22 ¹¹ 4	23 ¹¹ 6	1 ¹¹ 26	17 ¹¹ 43	25 ¹¹ 38	1 ¹¹ 0	26 ¹¹ 45	27 ¹¹ 39	5 ¹¹ 12	25 ¹¹ 52	27 ¹¹ 17	14 ¹¹ 12	3 ¹¹ 7	T 6
F 7	10 58 4	16 ¹¹ 19'32	5 ¹¹ 26	24 ¹¹ 35	2 ¹¹ 22	18 ¹¹ 29	25 ¹¹ 33	1 ¹¹ 7	26 ¹¹ 46	27 ¹¹ 37	5 ¹¹ 13	25 ¹¹ 46	27 ¹¹ 14	14 ¹¹ 19	3 ¹¹ 11	F 7
S 8	11 2 1	17 ¹¹ 19'23	18 ¹¹ 36	26 ¹¹ 6	3 ¹¹ 17	19 ¹¹ 16	25 ¹¹ 29	1 ¹¹ 14	26 ¹¹ 46	27 ¹¹ 36	5 ¹¹ 14	25 ¹¹ 39	27 ¹¹ 11	14 ¹¹ 26	3 ¹¹ 15	S 8
S 9	11 5 57	18 ¹¹ 19'12	1 ¹¹ 33	27 ¹¹ 38	4 ¹¹ 11	20 ¹¹ 3	25 ¹¹ 24	1 ¹¹ 22	26 ¹¹ 46	27 ¹¹ 34	5 ¹¹ 15	25 ¹¹ 33	27 ¹¹ 8	14 ¹¹ 32	3 ¹¹ 19	S 9
M10	11 9 54	19 ¹¹ 18'59	14 ¹¹ 16	29 ¹¹ 12	5 ¹¹ 5	20 ¹¹ 50	25 ¹¹ 19	1 ¹¹ 29	26 ¹¹ 46	27 ¹¹ 33	5 ¹¹ 16	25 ¹¹ 27	27 ¹¹ 5	14 ¹¹ 39	3 ¹¹ 23	M10
T 11	11 13 50	20 ¹¹ 18'44	26 ¹¹ 45	0 ¹¹ 47	5 ¹¹ 58	21 ¹¹ 37	25 ¹¹ 14	1 ¹¹ 37	26 ¹¹ 46	27 ¹¹ 31	5 ¹¹ 17	25 ¹¹ 22	27 ¹¹ 2	14 ¹¹ 46	3 ¹¹ 27	T 11
W12	11 17 47	21 ¹¹ 18'27	9 ¹¹ Y 2	2 ¹¹ 22	6 ¹¹ 51	22 ¹¹ 24	25 ¹¹ 9	1 ¹¹ 44	26 ¹¹ 47	27 ¹¹ 29	5 ¹¹ 18	25 ¹¹ 19	26 ¹¹ 58	14 ¹¹ 52	3 ¹¹ 31	W12
T 13	11 21 43	22 ¹¹ 18'08	21 ¹¹ 7	4 ¹¹ 0	7 ¹¹ 42	23 ¹¹ 10	25 ¹¹ 3	1 ¹¹ 51	26 ¹¹ 47	27 ¹¹ 28	5 ¹¹ 19	25 ¹¹ D17	26 ¹¹ 55	14 ¹¹ 59	3 ¹¹ 34	T 13
F 14	11 25 40	23 ¹¹ 17'46	3 ¹¹ 8	5 ¹¹ 38	8 ¹¹ 34	23 ¹¹ 57	24 ¹¹ 58	1 ¹¹ 59	26 ¹¹ 48	27 ¹¹ 26	5 ¹¹ 20	25 ¹¹ 18	26 ¹¹ 52	15 ¹¹ 6	3 ¹¹ 38	F 14
S 15	11 29 36	24 ¹¹ 17'23	14 ¹¹ 52	7 ¹¹ 18	9 ¹¹ 24	24 ¹¹ 44	24 ¹¹ 52	2 ¹¹ 6	26 ¹¹ 48	27 ¹¹ 24	5 ¹¹ 21	25 ¹¹ 19	26 ¹¹ 49	15 ¹¹ 12	3 ¹¹ 42	S 15
S 16	11 33 33	25 ¹¹ 16'57	26 ¹¹ 40	8 ¹¹ 59	10 ¹¹ 13	25 ¹¹ 31	24 ¹¹ 47	2 ¹¹ 14	26 ¹¹ 49	27 ¹¹ 23	5 ¹¹ 22	25 ¹¹ 21	26 ¹¹ 46	15 ¹¹ 19	3 ¹¹ 45	S 16
M17	11 37 30	26 ¹¹ 16'29	8 ¹¹ II30	10 ¹¹ 41	11 ¹¹ 2	26 ¹¹ 18	24 ¹¹ 41	2 ¹¹ 21	26 ¹¹ 49	27 ¹¹ 21	5 ¹¹ 23	25 ¹¹ 22	26 ¹¹ 43	15 ¹¹ 26	3 ¹¹ 49	M17
T 18	11 41 26	27 ¹¹ 15'59	20 ¹¹ 26	12 ¹¹ 24	11 ¹¹ 50	27 ¹¹ 5	24 ¹¹ 35	2 ¹¹ 29	26 ¹¹ 50	27 ¹¹ 19	5 ¹¹ 24	25 ¹¹ 24	26 ¹¹ 39	15 ¹¹ 32	3 ¹¹ 52	T 18
W19	11 45 23	28 ¹¹ 15'27	2 ¹¹ 35	14 ¹¹ 9	12 ¹¹ 37	27 ¹¹ 51	24 ¹¹ 29	2 ¹¹ 36	26 ¹¹ 51	27 ¹¹ 18	5 ¹¹ 25	25 ¹¹ R24	26 ¹¹ 36	15 ¹¹ 39	3 ¹¹ 56	W19
T 20	11 49 19	29 ¹¹ 14'52	15 ¹¹ 0	15 ¹¹ 55	13 ¹¹ 23	28 ¹¹ 38	24 ¹¹ 22	2 ¹¹ 44	26 ¹¹ 51	27 ¹¹ 16	5 ¹¹ 27	25 ¹¹ 23	26 ¹¹ 33	15 ¹¹ 45	3 ¹¹ 59	T 20
F 21	11 53 16	0 ¹¹ Y14'15	27 ¹¹ 47	17 ¹¹ 42	14 ¹¹ 8	29 ¹¹ 25	24 ¹¹ 16	2 ¹¹ 51	26 ¹¹ 52	27 ¹¹ 14	5 ¹¹ 28	25 ¹¹ 20	26 ¹¹ 30	15 ¹¹ 52	4 ¹¹ 2	F 21
S 22	11 57 12	1 ¹¹ 13'36	10 ¹¹ 857	19 ¹¹ 31	14 ¹¹ 52	0 ¹¹ Y12	24 ¹¹ 10	2 ¹¹ 59	26 ¹¹ 53	27 ¹¹ 13	5 ¹¹ 29	25 ¹¹ 17	26 ¹¹ 27	15 ¹¹ 59	4 ¹¹ 6	S 22
S 23	12 1 9	2 ¹¹ 12'54	24 ¹¹ 34	21 ¹¹ 21	15 ¹¹ 35	0 ¹¹ 59	24 ¹¹ 3	3 ¹¹ 7	26 ¹¹ 54	27 ¹¹ 11	5 ¹¹ 30	25 ¹¹ 14	26 ¹¹ 23	16 ¹¹ 5	4 ¹¹ 9	S 23
M24	12 5 5	3 ¹¹ 12'10	8 ¹¹ II35	23 ¹¹ 12	16 ¹¹ 17	1 ¹¹ 45	23 ¹¹ 56	3 ¹¹ 14	26 ¹¹ 55	27 ¹¹ 9	5 ¹¹ 31	25 ¹¹ 11	26 ¹¹ 20	16 ¹¹ 12	4 ¹¹ 12	M24
T 25	12 9 2	4 ¹¹ 11'24	22 ¹¹ 59	25 ¹¹ 5	16 ¹¹ 58	2 ¹¹ 32	23 ¹¹ 49	3 ¹¹ 22	26 ¹¹ 56	27 ¹¹ 8	5 ¹¹ 32	25 ¹¹ 8	26 ¹¹ 17	16 ¹¹ 19	4 ¹¹ 15	T 25
W26	12 12 59	5 ¹¹ 10'35	7 ¹¹ 41	26 ¹¹ 59	17 ¹¹ 38	3 ¹¹ 19	23 ¹¹ 43	3 ¹¹ 29	26 ¹¹ 57	27 ¹¹ 6	5 ¹¹ 34	25 ¹¹ 6	26 ¹¹ 14	16 ¹¹ 25	4 ¹¹ 18	W26
T 27	12 16 55	6 ¹¹ 9'45	22 ¹¹ 32	28 ¹¹ 55	18 ¹¹ 17	4 ¹¹ 6	23 ¹¹ 36	3 ¹¹ 37	26 ¹¹ 58	27 ¹¹ 5	5 ¹¹ 35	25 ¹¹ D 6	26 ¹¹ 11	16 ¹¹ 32	4 ¹¹ 21	T 27
F 28	12 20 52	7 ¹¹ 8'52	7 ¹¹ II26	0 ¹¹ Y51	18 ¹¹ 54	4 ¹¹ 53	23 ¹¹ 29	3 ¹¹ 44	26 ¹¹ 59	27 ¹¹ 3	5 ¹¹ 36	25 ¹¹ 6	26 ¹¹ 8	16 ¹¹ 39	4 ¹¹ 24	F 28
S 29	12 24 48	8 ¹¹ 7'58	22 ¹¹ 15	2 ¹¹ 49	19 ¹¹ 30	5 ¹¹ 39	23 ¹¹ 22	3 ¹¹ 52	27 ¹¹ 1	27 ¹¹ 1	5 ¹¹ 37	25 ¹¹ 7	26 ¹¹ 4	16 ¹¹ 45	4 ¹¹ 27	S 29
S 30	12 28 45	9 ¹¹ 7'02	6 ¹¹ Y52	4 ¹¹ 49	20 ¹¹ 5	6 ¹¹ 26	23 ¹¹ 14	3 ¹¹ 59	27 ¹¹ 2	27 ¹¹ 0	5 ¹¹ 38	25 ¹¹ 8	26 ¹¹ 1	16 ¹¹ 52	4 ¹¹ 30	S 30
M31	12 32 41	10 ¹¹ Y 6'04	21 ¹¹ Y14	6 ¹¹ Y49	20 ¹¹ 838	7 ¹¹ Y13	23 ¹¹ 5 7	4 ¹¹ Y 7	27 ¹¹ II 3	26 ¹¹ II58	5 ¹¹ Y40	25 ¹¹ Y 9	25 ¹¹ Y58	16 ¹¹ Y59	4 ¹¹ Y33	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	decl	lat
S 1	7s43	16s59	1s28	17s30	1s29	12n36	2n28	17s46	1s 6	8s39	1n30	1s50	2s10	23n41	0n14	2n11	1n25	1s46	15s54	10n 3	10n38	17n20	13s10	6n35			
S 2	7 20	22 1	2 38	17 11	1 35	13 3	2 34	17 32	1 6	8 38	1 30	1 47	2 10	23 41	0 14	2 12	1 25	1 45	15 54	10 3	10 36	17 23	13 9	6 35			
M 3	6 57	25 43	3 39	16 50	1 40	13 30	2 40	17 19	1 6	8 36	1 30	1 44	2 10	23 41	0 14	2 12	1 25	1 45	15 54	10 4	10 35	17 26	13 8	6 36			
T 4	6 34	27 48	4 25	16 28	1 46	13 56	2 46	17 5	1 6	8 34	1 30	1 42	2 10	23 41	0 14	2 13	1 25	1 44	15 53	10 3	10 34	17 29	13 6	6 36			
W 5	6 11	28 8	4 56	16 4	1 50	14 22	2 53	16 51	1 7	8 33	1 31	1 39	2 10	23 41	0 14	2 14	1 25	1 44	15 53	10 2	10 33	17 31	13 5	6 36			
T 6	5 48	26 46	5 9	15 39	1 55	14 47	2 59	16 37	1 7	8 31	1 31	1 36	2 10	23 41	0 14	2 14	1 25	1 43	15 53	10 1	10 32	17 34	13 4	6 36			
F 7	5 24	23 53	5 5	15 13	1 59	15 12	3 5	16 23	1 7	8 29	1 31	1 33	2 10	23 41	0 14	2 15	1 25	1 42	15 53	9 59	10 31	17 37	13 3	6 37			
S 8	5 1	19 48	4 46	14 46	2 2	15 37	3 11	16 9	1 8	8 27	1 31	1 30	2 10	23 41	0 14	2 16	1 25	1 42	15 52	9 56	10 30	17 40	13 2	6 37			
S 9	4 38	14 51	4 11	14 17	2 6	16 2	3 17	15 54	1 8	8 26	1 31	1 27	2 10	23 41	0 14	2 16	1 25	1 41	15 52	9 54	10 28	17 43	13 1	6 37			
M10	4 14	9 21	3 25	13 47	2 8	16 26	3 23	15 40	1 8	8 24	1 32	1 24	2 10	23 41	0 14	2 17	1 25	1 41	15 52	9 52	10 27	17 45	12 59	6 38			
T 11	3 51	3 35	2 29	13 15	2 11	16 49	3 29	15 25	1 9	8 22	1 32	1 21	2 10	23 41	0 14	2 18	1 25	1 40	15 52	9 50	10 26	17 48	12 58	6 38			
W12	3 27	2n15	1 28	12 43	2 13	17 13	3 35	15 10	1 9	8 20	1 32	1 18	2 10	23 41	0 14	2 18	1 25	1 40	15 51	9 49	10 25	17 51	12 57	6 38			
T 13	3 4	7 54	0 23	12 9	2 14	17 35	3 41	14 55	1 9	8 18	1 32	1 15	2 10	23 41	0 14	2 19	1 25	1 39	15 51	9 48	10 24	17 54	12 56	6 39			
F 14	2 40	13 13	0n42	11 34	2 15	17 58	3 47	14 39	1 9	8 15	1 32	1 12	2 10	23 41	0 14	2 20	1 25	1 39	15 51	9 48	10 23	17 56	12 55	6 39			
S 15	2 16	18 1	1 45	10 57	2 16	18 20	3 53	14 24	1 10	8 13	1 32	1 9	2 10	23 41	0 14	2 20	1 26	1 38	15 51	9 49	10 22	17 59	12 54	6 39			
S 16	1 53	22 6	2 44	10 19	2 16	18 41	3 59	14 8	1 10	8 11	1 32	1 6	2 10	23 41	0 14	2 21	1 26	1 37	15 50	9 49	10 20	18 2	12 52	6 40			
M17	1 29	25 19	3 35	9 40	2 16	19 3	4 5	13 53	1 10	8 9	1 33	1 3	2 10	23 41	0 14	2 22	1 26	1 37	15 50	9 50	10 19	18 5	12 51	6 40			
T 18	1 5	27 26	4 18	9 0	2 15	19 23	4 11	13 37	1 10	8 6	1 33	1 0	2 10	23 41	0 14	2 22	1 26	1 36	15 50	9 51	10 18	18 7	12 50	6 40			
W19	0 42	28 18	4 50	8 18	2 14	19 43	4 16	13 21	1 11	8 4	1 33	0 57	2 10	23 41	0 14	2 23	1 26	1 36	15 50	9 51	10 17	18 10	12 49	6 41			
T 20	0 18	27 46	5 9	7 35	2 12	20 3	4 22	13 5	1 11	8 2	1 33	0 54	2 10	23 41	0 14	2 24	1 26	1 35	15 49	9 50	10 16	18 13	12 48	6 41			
F 21	0n 6	25 47	5 14	6 51	2 10	20 22	4 28	12 49	1 11	7 59	1 33	0 51	2 10	23 41	0 14	2 24	1 26	1 35	15 49	9 50	10 15	18 16	12 47	6 42			
S 22	0 29	22 22	5 3	6 6	2 7	20 41	4 33	12 32	1 11	7 57	1 33	0 48	2 10	23 41	0 14	2 25	1 26	1 34	15 49	9 48	10 14	18 18	12 46	6 42			
S 23	0 53	17 40	4 34	5 20	2 4	20 59	4 39	12 16	1 11	7 54	1 33	0 45	2 10	23 42	0 14	2 26	1 26	1 34	15 49	9 47	10 12	18 21	12 44	6 42			
M24	1 17	11 54	3 49	4 32	2 0	21 17	4 44	11 59	1 12	7 52	1 33	0 42	2 10	23 42	0 14	2 26	1 26	1 33	15 49	9 46	10 11	18 24	12 43	6 43			
T 25	1 40	5 22	2 48	3 44	1 56	21 34	4 50	11 43	1 12	7 49	1 33	0 39	2 10	23 42	0 14	2 27	1 26	1 32	15 48	9 45	10 10	18 27	12 42	6 43			
W26	2 4	1s36	1 35	2 54	1 51	21 50	4 55	11 26	1 12	7 46	1 34	0 36	2 10	23 42	0 14	2 28	1 26	1 32	15 48	9 44	10 9	18 29	12 41	6 43			
T 27	2 27	8 34	0 14	2 3	1 46	22 6	5 0	11 9	1 12	7 44	1 34	0 33	2 10	23 42	0 14	2 28	1 26	1 31	15 48	9 44	10 8	18 32	12 40	6 44			
F 28	2 51	15 5	1s 8	1 11	1 40	22 22	5 5	10 52	1 12	7 41	1 34	0 30	2 10	23 42	0 14	2 29	1 26	1 31	15 48	9 44	10 7	18 35	12 39	6 44			
S 29	3 14	20 42	2 25	0 18	1 34	22 37	5 10	10 35	1 12	7 38	1 34	0 27	2 10	23 42	0 14	2 30	1 26	1 30	15 48	9 44	10 5	18 38	12 38	6 45			
S 30	3 37	24 58	3 31	0n35	1 27	22 51	5 15	10 18	1 13	7 36	1 34	0 24	2 10	23 42	0 14	2 30	1 26	1 30	15 48	9 45	10 4	18 40	12 37	6 45			
M31	4n 1	27s34	4s23	1n30	1s19	23n 5	5n19	10s 0	1s13	7s33	1n34	0s21	2s10	23n42	0n14	2n31	1n26	1s29	15s47	9n45	10n 3	18n43	12s36	6n46			

ASTRODIENST EPHEMERIS for the year 1614
geocentric

APRIL 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 38	11°5'05"	5°17'	8°51'	21°10'	8°0'	23°R 0	4°14'	27°II 5	26°R56	5°841	25°R10	25°55'	17°8 5	4°36'	T 1
W 2	12 40 34	12° 4'04"	19° 1'	10°54'	21°40'	8°46'	22°52'	4°22'	27° 6	26°R55	5°42'	25°Y10	25°52'	17°12'	4°38'	W 2
T 3	12 44 31	13° 3'01"	2°26'	12°58'	22° 9'	9°33'	22°45'	4°29'	27° 7	26°53'	5°43'	25° 9'	25°49'	17°19'	4°41'	T 3
F 4	12 48 28	14° 1'56"	15°33'	15° 2'	22°37'	10°20'	22°37'	4°37'	27° 9	26°52'	5°45'	25° 8'	25°45'	17°25'	4°43'	F 4
S 5	12 52 24	15° 0'49"	28°24'	17° 7'	23° 2'	11° 7'	22°30'	4°44'	27°11	26°50'	5°46'	25° 7'	25°42'	17°32'	4°46'	S 5
S 6	12 56 21	15°59'41"	11°0'	19°13'	23°26'	11°53'	22°22'	4°52'	27°12	26°49'	5°47'	25° 5'	25°39'	17°39'	4°48'	S 6
M 7	13 0 17	16°58'30"	23°24'	21°19'	23°48'	12°40'	22°15'	4°59'	27°14	26°47'	5°49'	25° 4'	25°36'	17°45'	4°51'	M 7
T 8	13 4 14	17°57'18"	5°37'	23°25'	24° 9'	13°26'	22° 7'	5° 6'	27°16	26°46'	5°50'	25° 3'	25°33'	17°52'	4°53'	T 8
W 9	13 8 10	18°56'04"	17°41'	25°31'	24°27'	14°13'	21°59'	5°14'	27°17	26°44'	5°51'	25° 3'	25°29'	17°59'	4°55'	W 9
T 10	13 12 7	19°54'48"	29°37'	27°37'	24°43'	15° 0'	21°52'	5°21'	27°19	26°43'	5°53'	25°D 3	25°26'	18° 5'	4°57'	T 10
F 11	13 16 3	20°53'30"	11°28'	29°41'	24°58'	15°46'	21°44'	5°29'	27°21	26°41'	5°54'	25° 3'	25°23'	18°12'	5° 0'	F 11
S 12	13 20 0	21°52'09"	23°16'	1°45'	25°10'	16°33'	21°36'	5°36'	27°23	26°40'	5°55'	25° 4'	25°20'	18°19'	5° 2'	S 12
S 13	13 23 56	22°50'47"	5°II 4	3°47'	25°20'	17°19'	21°29'	5°43'	27°25	26°38'	5°56'	25° 4'	25°17'	18°25'	5° 4'	S 13
M14	13 27 53	23°49'23"	16°55'	5°47'	25°28'	18° 6'	21°21'	5°50'	27°27	26°37'	5°58'	25° 4'	25°14'	18°32'	5° 5'	M14
T 15	13 31 50	24°47'56"	28°53'	7°45'	25°34'	18°52'	21°13'	5°58'	27°29	26°35'	5°59'	25°R 4	25°10'	18°38'	5° 7'	T 15
W16	13 35 46	25°46'28"	11°16'	9°41'	25°38'	19°39'	21° 6'	6° 5'	27°31	26°34'	6° 1'	25° 4'	25° 7'	18°45'	5° 9'	W16
T 17	13 39 43	26°44'57"	23°24'	11°33'	25°R39	20°25'	20°58'	6°12'	27°33	26°32'	6° 2'	25°D 4	25° 4'	18°52'	5°11'	T 17
F 18	13 43 39	27°43'24"	6°II 6	13°23'	25°37'	21°12'	20°50'	6°19'	27°35	26°31'	6° 3'	25° 4'	25° 1'	18°58'	5°12'	F 18
S 19	13 47 36	28°41'49"	19°11'	15°10'	25°33'	21°58'	20°43'	6°27'	27°37	26°30'	6° 5'	25° 4'	24°58'	19° 5'	5°14'	S 19
S 20	13 51 32	29°40'11"	2°II 42	16°53'	25°27'	22°45'	20°35'	6°34'	27°40	26°28'	6° 6'	25° 5'	24°55'	19°12'	5°16'	S 20
M21	13 55 29	0°38'32"	16°39'	18°33'	25°19'	23°31'	20°28'	6°41'	27°42	26°27'	6° 7'	25° 5'	24°51'	19°18'	5°17'	M21
T 22	13 59 25	1°36'50"	1°3'	20° 8'	25° 7'	24°17'	20°20'	6°48'	27°44	26°26'	6° 9'	25° 6'	24°48'	19°25'	5°18'	T 22
W23	14 3 22	2°35'06"	15°49'	21°40'	24°54'	25° 3'	20°13'	6°55'	27°47	26°24'	6°10'	25° 6'	24°45'	19°32'	5°20'	W23
T 24	14 7 19	3°33'21"	0°II 51	23° 7'	24°38'	25°50'	20° 6'	7° 2'	27°49	26°23'	6°11'	25°R 6	24°42'	19°38'	5°21'	T 24
F 25	14 11 15	4°31'33"	16° 1'	24°30'	24°19'	26°36'	19°58'	7° 9'	27°51	26°22'	6°13'	25° 6'	24°39'	19°45'	5°22'	F 25
S 26	14 15 12	5°29'44"	1°17'10	25°49'	23°58'	27°22'	19°51'	7°16'	27°54	26°21'	6°14'	25° 5'	24°35'	19°52'	5°23'	S 26
S 27	14 19 8	6°27'54"	16° 8'	27° 4'	23°35'	28° 8'	19°44'	7°23'	27°56	26°20'	6°15'	25° 4'	24°32'	19°58'	5°24'	S 27
M28	14 23 5	7°26'02"	0°348	28°14'	23°10'	28°54'	19°37'	7°30'	27°59	26°18'	6°17'	25° 2'	24°29'	20° 5'	5°25'	M28
T 29	14 27 1	8°24'09"	15° 5'	29°19'	22°43'	29°41'	19°30'	7°37'	28° 2	26°17'	6°18'	25° 1'	24°26'	20°12'	5°26'	T 29
W30	14 30 58	9°22'14"	28°356	0°II 20	22°814	0°Y27	19°23	7°Y44	28°II 4	26°R16	6°20	25°Y 0	24°Y23	20°818	5°27	W30

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
T 1	4n24	28s21	4s58	2n25	1s12	23n18	5n24	9s43	1s13	7s30	1n34	0s18	2s10	23n42	0n14	2n32	1n26	1s29	15s47	9n45	10n 2	18n46	12s35	6n46	
W 2	4 47	27 20	5 15	3 21	1 3	23 30	5 28	9 26	1 13	7 28	1 34	0 15	2 10	23 42	0 14	2 32	1 26	1 28	15 47	9 45	10 1	18 48	12 34	6 46	
T 3	5 10	24 45	5 14	4 18	0 55	23 42	5 32	9 8	1 13	7 25	1 34	0 12	2 10	23 42	0 14	2 33	1 26	1 28	15 47	9 45	10 0	18 51	12 33	6 47	
F 4	5 33	20 56	4 57	5 14	0 45	23 53	5 36	8 50	1 13	7 22	1 34	0 10	2 10	23 42	0 14	2 33	1 26	1 27	15 47	9 45	9 58	18 54	12 32	6 47	
S 5	5 56	16 12	4 25	6 11	0 36	24 3	5 40	8 33	1 13	7 19	1 34	0 7	2 10	23 42	0 14	2 34	1 26	1 27	15 47	9 44	9 57	18 56	12 31	6 48	
S 6	6 18	10 51	3 41	7 9	0 26	24 13	5 44	8 15	1 13	7 16	1 34	0 4	2 11	23 42	0 14	2 35	1 26	1 26	15 47	9 44	9 56	18 59	12 30	6 48	
M 7	6 41	5 11	2 47	8 6	0 15	24 22	5 47	7 57	1 13	7 13	1 34	0 1	2 11	23 42	0 14	2 35	1 26	1 25	15 46	9 43	9 55	19 2	12 29	6 49	
T 8	7 4	0n37	1 46	9 3	0 5	24 30	5 50	7 39	1 14	7 11	1 34	0n 2	2 11	23 42	0 14	2 36	1 26	1 25	15 46	9 43	9 54	19 4	12 28	6 49	
W 9	7 26	6 19	0 41	9 59	0n 6	24 37	5 53	7 21	1 14	7 8	1 34	0 5	2 11	23 42	0 14	2 37	1 26	1 24	15 46	9 43	9 53	19 7	12 27	6 49	
T 10	7 48	11 45	0n25	10 55	0 17	24 44	5 55	7 3	1 14	7 5	1 34	0 8	2 11	23 42	0 14	2 37	1 25	1 24	15 46	9 43	9 52	19 10	12 26	6 50	
F 11	8 10	16 44	1 30	11 49	0 28	24 49	5 57	6 45	1 14	7 2	1 34	0 11	2 11	23 42	0 14	2 38	1 25	1 23	15 46	9 43	9 50	19 12	12 25	6 50	
S 12	8 32	21 4	2 30	12 43	0 39	24 54	5 59	6 27	1 14	6 59	1 34	0 13	2 11	23 42	0 14	2 38	1 25	1 23	15 46	9 43	9 49	19 15	12 24	6 51	
S 13	8 54	24 33	3 25	13 35	0 50	24 58	6 1	6 9	1 14	6 56	1 34	0 16	2 11	23 42	0 14	2 39	1 25	1 22	15 46	9 43	9 48	19 18	12 23	6 51	
M14	9 16	27 0	4 10	14 26	1 1	25 1	6 2	5 51	1 14	6 54	1 34	0 19	2 11	23 42	0 14	2 39	1 25	1 22	15 46	9 43	9 47	19 20	12 22	6 52	
T 15	9 37	28 14	4 45	15 15	1 12	25 4	6 3	5 33	1 14	6 51	1 34	0 22	2 11	23 42	0 14	2 40	1 25	1 21	15 46	9 43	9 46	19 23	12 21	6 52	
W16	9 59	28 9	5 8	16 2	1 22	25 5	6 3	5 14	1 14	6 48	1 34	0 25	2 11	23 42	0 14	2 40	1 25	1 21	15 46	9 43	9 45	19 26	12 21	6 53	
T 17	10 20	26 40	5 18	16 47	1 32	25 5	6 3	4 56	1 14	6 45	1 34	0 28	2 11	23 42	0 14	2 41	1 25	1 20	15 45	9 43	9 43	19 28	12 20	6 53	
F 18	10 41	23 49	5 12	17 30	1 41	25 4	6 3	4 38	1 14	6 42	1 34	0 30	2 11	23 42	0 14	2 42	1 25	1 20	15 45	9 43	9 42	19 31	12 19	6 54	
S 19	11 2	19 41	4 50	18 11	1 50	25 2	6 2	4 19	1 14	6 40	1 34	0 33	2 12	23 42	0 14	2 42	1 25	1 19	15 45	9 43	9 41	19 33	12 18	6 54	
S 20	11 23	14 27	4 12	18 49	1 59	24 59	6 0	4 1	1 14	6 37	1 34	0 36	2 12	23 42	0 14	2 43	1 25	1 19	15 45	9 44	9 40	19 36	12 17	6 55	
M21	11 43	8 19	3 18	19 24	2 6	24 55	5 58	3 43	1 14	6 34	1 33	0 39	2 12	23 42	0 14	2 43	1 25	1 19	15 45	9 44	9 39	19 39	12 16	6 55	
T 22	12 4	1 34	2 10	19 57	2 13	24 50	5 55	3 24	1 14	6 31	1 33	0 41	2 12	23 42	0 14	2 44	1 25	1 18	15 45	9 44	9 38	19 41	12 16	6 56	
W23	12 24	5s27	0 51	20 28	2 20	24 43	5 52	3 6	1 14	6 29	1 33	0 44	2 12	23 43	0 14	2 44	1 25	1 18	15 45	9 44	9 36	19 44	12 15	6 56	
T 24	12 44	12 17	0s32	20 56	2 25	24 35	5 48	2 47	1 14	6 26	1 33	0 47	2 12	23 43	0 14	2 45	1 25	1 17	15 45	9 44	9 35	19 46	12 14	6 57	
F 25	13 3	18 29	1 54	21 21	2 30	24 26	5 44	2 29	1 14	6 23	1 33	0 49	2 12	23 43	0 14	2 45	1 25	1 17	15 45	9 44	9 34	19 49	12 13	6 57	
S 26	13 23	23 29	3 7	21 44	2 33	24 16	5 39	2 10	1 14	6 21	1 33	0 52	2 12	23 43	0 14	2 46	1 25	1 16	15 45	9 44	9 33	19 52	12 13	6 58	
S 27	13 42	26 51	4 7	22 5	2 36	24 5	5 33	1 52	1 13	6 18	1 33	0 55	2 12	23 43	0 14	2 46	1 25	1 16	15 45	9 43	9 32	19 54	12 12	6 58	
M28	14 1	28 18	4 49	22 22	2 38	23 52	5 26	1 33	1 13	6 16	1 33	0 57	2 13	23 43	0 14	2 46	1 25	1 15	15 45	9 43	9 31	19 57	12 11	6 58	
T 29	14 20	27 48	5 12	22 38	2 39	23 38	5 19	1 15	1 13	6 13	1 33	1 0	2 13	23 43	0 14	2 47	1 25	1 15	15 45	9 42	9 29	19 59	12 10	6 59	
W30	14n39	25s34	5s16	22n51	2n39	23n23	5n12	0s56	1s13	6s11	1n32	1n 2	2s13	23n43	0n14	2n47	1n25	1s14	15s45	9n42	9n28	20n 2	12s10	6n59	

ASTRODIENST EPHEMERIS for the year 1614
geocentric

MAY 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 34 55	10♌20'18	12♋22	1♊16	21♈43	1♊13	19♈16	7♊50	28♊7	26♈15	6♌21	25♈0	24♊20	20♌25	5♋28	T 1
F 2	14 38 51	11°18'20	25°24	2°7	21♌10	1°59	19♌10	7°57	28°10	26♌14	6°22	25♊0	24°16	20°32	5°28	F 2
S 3	14 42 48	12°16'21	8♌6	2°54	20°37	2°45	19°3	8°4	28°12	26°13	6°24	25°1	24°13	20°38	5°29	S 3
S 4	14 46 44	13°14'20	20°30	3°35	20°1	3°31	18°57	8°10	28°15	26°12	6°25	25°3	24°10	20°45	5°29	S 4
M 5	14 50 41	14°12'18	2♊41	4°12	19°25	4°16	18°50	8°17	28°18	26°11	6°26	25°4	24°7	20°52	5°30	M 5
T 6	14 54 37	15°10'15	14°42	4°43	18°49	5°2	18°44	8°24	28°21	26°10	6°28	25°5	24°4	20°58	5°30	T 6
W 7	14 58 34	16°8'10	26°36	5°10	18°11	5°48	18°38	8°30	28°24	26°9	6°29	25°R 6	24°0	21°5	5°30	W 7
T 8	15 2 30	17°6'04	8♌26	5°32	17°33	6°34	18°32	8°37	28°26	26°8	6°30	25°5	23°57	21°12	5°31	T 8
F 9	15 6 27	18°3'56	20°14	5°48	16°56	7°20	18°26	8°43	28°29	26°7	6°32	25°3	23°54	21°18	5°31	F 9
S 10	15 10 23	19°1'47	2♊2	6°0	16°18	8°5	18°20	8°49	28°32	26°6	6°33	25°0	23°51	21°25	5°31	S 10
S 11	15 14 20	19°59'37	13°53	6°6	15°41	8°51	18°14	8°56	28°35	26°6	6°34	24°56	23°48	21°32	5°R31	S 11
M12	15 18 17	20°57'25	25°49	6°R 8	15°5	9°37	18°9	9°2	28°38	26°5	6°36	24°52	23°45	21°38	5°31	M12
T 13	15 22 13	21°55'11	7♌51	6°5	14°29	10°22	18°3	9°8	28°41	26°4	6°37	24°48	23°41	21°45	5°31	T 13
W14	15 26 10	22°52'56	20°3	5°57	13°55	11°8	17°58	9°14	28°44	26°3	6°38	24°44	23°38	21°52	5°31	W14
T 15	15 30 6	23°50'39	2♌28	5°45	13°22	11°53	17°53	9°20	28°47	26°2	6°40	24°41	23°35	21°58	5°30	T 15
F 16	15 34 3	24°48'21	15°9	5°29	12°50	12°39	17°48	9°27	28°51	26°2	6°41	24°39	23°32	22°5	5°30	F 16
S 17	15 37 59	25°46'01	28°9	5°9	12°20	13°24	17°43	9°33	28°54	26°1	6°42	24°D39	23°29	22°12	5°30	S 17
S 18	15 41 56	26°43'39	11♌32	4°46	11°52	14°9	17°39	9°38	28°57	26°0	6°44	24°39	23°26	22°18	5°29	S 18
M19	15 45 53	27°41'16	25°19	4°19	11°26	14°55	17°34	9°44	29°0	26°0	6°45	24°41	23°22	22°25	5°29	M19
T 20	15 49 49	28°38'51	9♌32	3°50	11°1	15°40	17°30	9°50	29°3	25°59	6°46	24°42	23°19	22°32	5°28	T 20
W21	15 53 46	29°36'25	24°9	3°19	10°39	16°25	17°26	9°56	29°7	25°59	6°47	24°R43	23°16	22°38	5°28	W21
T 22	15 57 42	0♊33'57	9♌6	2°47	10°20	17°10	17°22	10°2	29°10	25°58	6°49	24°42	23°13	22°45	5°27	T 22
F 23	16 1 39	1°31'28	24°17	2°13	10°2	17°55	17°18	10°7	29°13	25°58	6°50	24°40	23°10	22°52	5°26	F 23
S 24	16 5 35	2°28'58	9♌31	1°39	9°47	18°40	17°14	10°13	29°16	25°57	6°51	24°36	23°6	22°58	5°25	S 24
S 25	16 9 32	3°26'27	24°39	1°6	9°35	19°25	17°10	10°18	29°20	25°57	6°53	24°30	23°3	23°5	5°24	S 25
M26	16 13 28	4°23'56	9♌32	0°33	9°25	20°10	17°7	10°24	29°23	25°56	6°54	24°25	23°0	23°12	5°23	M26
T 27	16 17 25	5°21'23	24°1	0°1	9°17	20°55	17°4	10°29	29°26	25°56	6°55	24°19	22°57	23°18	5°22	T 27
W28	16 21 22	6°18'50	8♌2	29♌32	9°12	21°40	17°1	10°35	29°30	25°56	6°56	24°15	22°54	23°25	5°21	W28
T 29	16 25 18	7°16'15	21°34	29°5	9°9	22°25	16°58	10°40	29°33	25°56	6°57	24°12	22°51	23°32	5°20	T 29
F 30	16 29 15	8°13'40	4♌39	28°40	9°D 8	23°10	16°55	10°45	29°37	25°55	6°59	24°D10	22°47	23°38	5°19	F 30
S 31	16 33 11	9♊11'04	17♌19	28♌19	9♌10	23♊54	16♌53	10♊50	29♊40	25♊55	7♌0	24♊11	22♊44	23♌45	5♋17	S 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
T 1	14n57	21s58	5s 2 23n 2	2n38 23n 6	5n 3 0s38	1s13 6s 8	1n32	1n 5 2s13	23n43	0n14	2n48	1n25	1s14 15s45	9n42	9n27	20n 5 12s 9 7n 0
F 2	15 15	17 22	4 33 23 10	2 36 22 49	4 54 0 20	1 13 6 6	1 32	1 7 2 13	23 43	0 14 2 48	1 25	1 14 15 45	9 42	9 26	20 7 12 9	7 0
S 3	15 33	12 8	3 52 23 16	2 32 22 30	4 44 0 1	1 13 6 3	1 32	1 10 2 13	23 43	0 14 2 48	1 25	1 13 15 45	9 42	9 25	20 10 12 8	7 1
S 4	15 51	6 31	3 0 23 20	2 28 22 11	4 34 0n17	1 13 6 1	1 32	1 12 2 13	23 43	0 14 2 49	1 25	1 13 15 45	9 43	9 24	20 12 12 7	7 1
M 5	16 8	0 47	2 1 23 22	2 23 21 50	4 23 0 36	1 12 5 59	1 32	1 15 2 14	23 43	0 14 2 49	1 25	1 12 15 45	9 43	9 22	20 15 12 7	7 2
T 6	16 25	4n56	0 57 23 22	2 16 21 29	4 12 0 54	1 12 5 57	1 31	1 17 2 14	23 43	0 14 2 50	1 25	1 12 15 45	9 44	9 21	20 17 12 6	7 2
W 7	16 42	10 25	0n 8 23 19	2 9 21 7	4 0 1 12	1 12 5 54	1 31	1 20 2 14	23 43	0 14 2 50	1 25	1 12 15 45	9 44	9 20	20 20 12 6	7 3
T 8	16 59	15 30	1 13 23 15	2 0 20 44	3 47 1 31	1 12 5 52	1 31	1 22 2 14	23 43	0 14 2 50	1 25	1 11 15 45	9 44	9 19	20 22 12 5	7 3
F 9	17 15	20 0	2 14 23 8	1 51 20 21	3 34 1 49	1 12 5 50	1 31	1 25 2 14	23 43	0 14 2 51	1 25	1 11 15 45	9 43	9 18	20 25 12 5	7 4
S 10	17 31	23 42	3 10 23 0	1 40 19 57	3 21 2 7	1 12 5 48	1 31	1 27 2 14	23 43	0 14 2 51	1 25	1 11 15 45	9 42	9 16	20 27 12 4	7 4
S 11	17 47	26 26	3 57 22 49	1 28 19 34	3 7 2 25	1 11 5 46	1 31	1 29 2 14	23 43	0 14 2 51	1 25	1 10 15 45	9 41	9 15	20 30 12 4	7 5
M12	18 2	28 0	4 34 22 37	1 16 19 9	2 54 2 44	1 11 5 44	1 30	1 32 2 15	23 43	0 14 2 51	1 25	1 10 15 45	9 39	9 14	20 32 12 3	7 5
T 13	18 17	28 15	5 0 22 23	1 2 18 45	2 39 3 2	1 11 5 42	1 30	1 34 2 15	23 43	0 14 2 52	1 25	1 9 15 45	9 37	9 13	20 35 12 3	7 6
W14	18 32	27 8	5 12 22 8	0 48 18 21	2 25 3 20	1 11 5 41	1 30	1 36 2 15	23 43	0 14 2 52	1 25	1 9 15 45	9 36	9 12	20 37 12 2	7 6
T 15	18 46	24 41	5 10 21 51	0 32 17 58	2 11 3 38	1 11 5 39	1 30	1 38 2 15	23 43	0 14 2 52	1 25	1 9 15 45	9 35	9 11	20 40 12 2	7 7
F 16	19 1	21 0	4 54 21 32	0 16 17 34	1 57 3 56	1 10 5 37	1 30	1 41 2 15	23 43	0 14 2 53	1 25	1 8 15 46	9 34	9 10	20 42 12 1	7 7
S 17	19 15	16 14	4 24 21 12	0s 0 17 12	1 42 4 14	1 10 5 36	1 29	1 43 2 15	23 43	0 14 2 53	1 25	1 8 15 46	9 34	9 8	20 45 12 1	7 8
S 18	19 28	10 33	3 34 20 51	0 17 16 49	1 28 4 31	1 10 5 34	1 29	1 45 2 16	23 43	0 14 2 53	1 25	1 8 15 46	9 34	9 7	20 47 12 1	7 8
M19	19 41	4 13	2 34 20 29	0 34 16 28	1 14 4 49	1 9 5 33	1 29	1 47 2 16	23 43	0 14 2 53	1 25	1 7 15 46	9 35	9 6	20 50 12 0	7 9
T 20	19 54	2s32	1 22 20 7	0 52 16 7	1 0 5 7	1 9 5 31	1 29	1 49 2 16	23 43	0 14 2 53	1 25	1 7 15 46	9 35	9 5	20 52 12 0	7 9
W21	20 7	9 20	0 3 19 44	1 9 15 47	0 46 5 25	1 9 5 30	1 28	1 51 2 16	23 43	0 14 2 54	1 24	1 7 15 46	9 36	9 4	20 55 12 0	7 10
T 22	20 19	15 47	1s18 19 20	1 27 15 28	0 33 5 42	1 9 5 28	1 28	1 53 2 16	23 43	0 14 2 54	1 24	1 7 15 46	9 35	9 2	20 57 11 59	7 10
F 23	20 31	21 22	2 34 18 57	1 44 15 10	0 19 6 0	1 8 5 27	1 28	1 55 2 17	23 44	0 14 2 54	1 24	1 6 15 46	9 34	9 1	21 0 11 59	7 11
S 24	20 42	25 33	3 40 18 34	2 1 14 53	0 7 6 17	1 8 5 26	1 28	1 57 2 17	23 44	0 14 2 54	1 24	1 6 15 46	9 33	9 0	21 2 11 59	7 11
S 25	20 53	27 52	4 29 18 12	2 17 14 37	0s 6 6 34	1 8 5 25	1 27	1 59 2 17	23 44	0 14 2 54	1 24	1 6 15 46	9 31	8 59	21 5 11 59	7 11
M26	21 4	28 8	5 0 17 50	2 32 14 22	0 18 6 52	1 7 5 24	1 27	2 1 2 17	23 44	0 14 2 54	1 24	1 5 15 47	9 29	8 58	21 7 11 58	7 12
T 27	21 15	26 26	5 10 17 29	2 46 14 9	0 30 7 9	1 7 5 23	1 27	2 3 2 17	23 44	0 14 2 54	1 24	1 5 15 47	9 27	8 56	21 10 11 58	7 12
W28	21 25	23 9	5 1 17 10	3 0 13 56	0 42 7 26	1 7 5 22	1 27	2 5 2 18	23 44	0 14 2 55	1 24	1 5 15 47	9 25	8 55	21 12 11 58	7 13
T 29	21 34	18 41	4 36 16 52	3 12 13 45	0 53 7 43	1 6 5 21	1 26	2 7 2 18	23 44	0 14 2 55	1 24	1 5 15 47	9 24	8 54	21 14 11 58	7 13
F 30	21 44	13 30	3 56 16 36	3 23 13 34	1 3 8 0	1 6 5 20	1 26	2 9 2 18	23 44	0 14 2 55	1 24	1 4 15 47	9 24	8 53	21 17 11 58	7 14
S 31	21n53	7s53	3s 6 16n22	3s33 13n25	1s14 8n17	1s 6 5s19	1n26	2n11 2s18	23n44	0n14 2n55	1n24	1s 4 15s47	9n24	8n52	21n19 11s58	7n14

Julian Day Number = 2310681.5, Delta T = 72.07 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'27, Lahiri = 18°28'28Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614

geocentric

JUNE 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 8	10Ⅱ 8'28	29♂39	28°R 2	9♂14	24♂39	16°R50	10♂55	29Ⅱ43	25°R55	7♂ 1	24♂12	22♂41	23♂52	5°R16	S 1
M 2	16 41 4	11° 5'51	11♂45	27♂48	9°20	25°24	16♂48	11° 0	29°47	25♂55	7° 2	24°13	22°38	23°58	5♂14	M 2
T 3	16 45 1	12° 3'14	23°40	27°39	9°29	26° 8	16°46	11° 5	29°50	25°54	7° 3	24°R14	22°35	24° 5	5°13	T 3
W 4	16 48 57	13° 0'35	5♂29	27°33	9°40	26°53	16°45	11°10	29°54	25°54	7° 4	24°13	22°32	24°12	5°11	W 4
T 5	16 52 54	13°57'57	17°16	27°D32	9°52	27°37	16°43	11°15	29°57	25°54	7° 6	24°10	22°28	24°18	5°10	T 5
F 6	16 56 51	14°55'17	29° 4	27°36	10° 7	28°21	16°41	11°19	0♂ 1	25°54	7° 7	24° 5	22°25	24°25	5° 8	F 6
S 7	17 0 47	15°52'38	10Ⅱ56	27°44	10°24	29° 6	16°40	11°24	0° 4	25°D54	7° 8	23°58	22°22	24°32	5° 6	S 7
S 8	17 4 44	16°49'57	22°53	27°56	10°42	29°50	16°39	11°29	0° 8	25°54	7° 9	23°49	22°19	24°38	5° 4	S 8
M 9	17 8 40	17°47'16	4♂57	28°13	11° 3	0♂34	16°38	11°33	0°11	25°54	7°10	23°40	22°16	24°45	5° 3	M 9
T 10	17 12 37	18°44'34	17° 9	28°35	11°25	1°18	16°37	11°37	0°15	25°54	7°11	23°30	22°12	24°52	5° 1	T 10
W11	17 16 33	19°41'51	29°31	29° 1	11°49	2° 2	16°37	11°42	0°18	25°55	7°12	23°20	22° 9	24°58	4°59	W11
T 12	17 20 30	20°39'08	12♂ 5	29°32	12°14	2°46	16°37	11°46	0°22	25°55	7°13	23°13	22° 6	25° 5	4°57	T 12
F 13	17 24 26	21°36'24	24°51	0Ⅱ 7	12°41	3°30	16°D36	11°50	0°26	25°55	7°14	23° 7	22° 3	25°12	4°55	F 13
S 14	17 28 23	22°33'39	7♂53	0°46	13° 9	4°14	16°36	11°54	0°29	25°55	7°15	23° 4	22° 0	25°18	4°52	S 14
S 15	17 32 20	23°30'53	21°12	1°29	13°39	4°58	16°37	11°58	0°33	25°55	7°16	23°D 3	21°57	25°25	4°50	S 15
M16	17 36 16	24°28'06	4♂51	2°17	14°11	5°41	16°37	12° 2	0°36	25°56	7°17	23° 4	21°53	25°32	4°48	M16
T 17	17 40 13	25°25'19	18°52	3° 9	14°44	6°25	16°37	12° 6	0°40	25°56	7°18	23°R 4	21°50	25°38	4°46	T 17
W18	17 44 9	26°22'31	3♂15	4° 5	15°18	7° 9	16°38	12°10	0°44	25°56	7°19	23° 4	21°47	25°45	4°43	W18
T 19	17 48 6	27°19'43	17°56	5° 4	15°53	7°52	16°39	12°13	0°47	25°57	7°20	23° 2	21°44	25°52	4°41	T 19
F 20	17 52 2	28°16'54	2♂53	6° 8	16°29	8°35	16°40	12°17	0°51	25°57	7°21	22°57	21°41	25°58	4°38	F 20
S 21	17 55 59	29°14'05	17°57	7°16	17° 7	9°19	16°41	12°20	0°54	25°58	7°22	22°50	21°38	26° 5	4°36	S 21
S 22	17 59 55	0♂11'16	3♂ 0	8°27	17°46	10° 2	16°43	12°24	0°58	25°58	7°23	22°41	21°34	26°12	4°33	S 22
M23	18 3 52	1° 8'26	17°51	9°42	18°26	10°45	16°44	12°27	1° 2	25°58	7°24	22°31	21°31	26°18	4°31	M23
T 24	18 7 49	2° 5'36	2♂22	11° 1	19° 7	11°29	16°46	12°30	1° 5	25°59	7°25	22°22	21°28	26°25	4°28	T 24
W25	18 11 45	3° 2'46	16°27	12°23	19°49	12°12	16°48	12°33	1° 9	26° 0	7°26	22°13	21°25	26°32	4°25	W25
T 26	18 15 42	3°59'57	0♂ 4	13°49	20°32	12°55	16°50	12°36	1°12	26° 0	7°26	22° 7	21°22	26°38	4°23	T 26
F 27	18 19 38	4°57'07	13°13	15°19	21°16	13°38	16°53	12°39	1°16	26° 1	7°27	22° 3	21°18	26°45	4°20	F 27
S 28	18 23 35	5°54'17	25°55	16°52	22° 1	14°21	16°55	12°42	1°20	26° 1	7°28	22° 1	21°15	26°52	4°17	S 28
S 29	18 27 31	6°51'28	8♂17	18°29	22°46	15° 3	16°58	12°45	1°23	26° 2	7°29	22°D 0	21°12	26°58	4°14	S 29
M30	18 31 28	7♂48'39	20♂22	20Ⅱ 9	23♂33	15♂46	17♂ 1	12♂47	1♂27	26♂ 3	7♂30	22°R 1	21♂ 9	27♂ 5	4♂11	M30

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	22n 1	2s 7	2s 9	16n 9	3s42	13n17	1s24	8n33	1s 5	5s19	1n26	2n13	2s18	23n44	0n14	2n55	1n24	1s 4	15s47	9n24	8n51	21n22	11s58	7n15	
M 2	22 9	3n38	1 7	15 59	3 50	13 10	1 33	8 50	1 5	5 18	1 25	2 14	2 19	23 44	0 14	2 55	1 24	1 4	15 48	9 25	8 49	21 24	11 58	7 15	
T 3	22 17	9 10	0 3	15 51	3 56	13 4	1 42	9 7	1 4	5 18	1 25	2 16	2 19	23 44	0 14	2 55	1 24	1 4	15 48	9 25	8 48	21 27	11 58	7 15	
W 4	22 25	14 20	1n 0	15 45	4 1	12 59	1 51	9 23	1 4	5 17	1 25	2 18	2 19	23 44	0 14	2 55	1 24	1 3	15 48	9 25	8 47	21 29	11 57	7 16	
T 5	22 32	18 58	2 1	15 41	4 5	12 55	1 59	9 39	1 4	5 17	1 25	2 19	2 19	23 44	0 14	2 55	1 24	1 3	15 48	9 24	8 46	21 31	11 57	7 16	
F 6	22 38	22 52	2 56	15 39	4 7	12 53	2 7	9 56	1 3	5 17	1 24	2 21	2 20	23 44	0 14	2 55	1 24	1 3	15 48	9 22	8 45	21 34	11 57	7 17	
S 7	22 44	25 50	3 44	15 40	4 9	12 51	2 14	10 12	1 3	5 16	1 24	2 23	2 20	23 44	0 14	2 55	1 24	1 3	15 48	9 19	8 43	21 36	11 57	7 17	
S 8	22 50	27 40	4 22	15 42	4 9	12 50	2 21	10 28	1 2	5 16	1 24	2 24	2 20	23 44	0 14	2 55	1 24	1 3	15 49	9 16	8 42	21 39	11 58	7 17	
M 9	22 56	28 13	4 49	15 47	4 8	12 49	2 28	10 44	1 2	5 16	1 24	2 26	2 20	23 44	0 14	2 55	1 24	1 3	15 49	9 12	8 41	21 41	11 58	7 18	
T 10	23 1	27 24	5 3	15 53	4 6	12 50	2 35	10 59	1 1	5 16	1 23	2 27	2 20	23 44	0 14	2 55	1 24	1 2	15 49	9 9	8 40	21 43	11 58	7 18	
W11	23 5	25 14	5 3	16 1	4 3	12 52	2 41	11 15	1 1	5 16	1 23	2 29	2 21	23 44	0 14	2 55	1 24	1 2	15 49	9 5	8 39	21 46	11 58	7 19	
T 12	23 10	21 50	4 49	16 12	4 0	12 54	2 46	11 31	1 1	5 16	1 23	2 30	2 21	23 44	0 14	2 54	1 24	1 2	15 49	9 2	8 38	21 48	11 58	7 19	
F 13	23 14	17 21	4 20	16 23	3 55	12 57	2 52	11 46	1 0	5 16	1 22	2 31	2 21	23 44	0 14	2 54	1 24	1 2	15 50	9 0	8 36	21 50	11 58	7 19	
S 14	23 17	11 59	3 37	16 37	3 49	13 1	2 57	12 1	1 0	5 17	1 22	2 33	2 21	23 44	0 14	2 54	1 24	1 2	15 50	8 59	8 35	21 53	11 58	7 20	
S 15	23 20	5 58	2 42	16 52	3 43	13 5	3 2	12 17	0 59	5 17	1 22	2 34	2 22	23 44	0 14	2 54	1 24	1 2	15 50	8 59	8 34	21 55	11 58	7 20	
M16	23 23	0s28	1 36	17 8	3 36	13 10	3 6	12 32	0 59	5 17	1 22	2 35	2 22	23 44	0 14	2 54	1 23	1 2	15 50	8 59	8 33	21 57	11 59	7 20	
T 17	23 25	7 4	0 22	17 25	3 28	13 16	3 10	12 46	0 58	5 18	1 21	2 37	2 22	23 44	0 14	2 54	1 23	1 2	15 50	8 59	8 32	22 0	11 59	7 21	
W18	23 27	13 28	0s54	17 44	3 20	13 22	3 14	13 1	0 58	5 18	1 21	2 38	2 22	23 44	0 14	2 54	1 23	1 2	15 51	8 59	8 30	22 2	11 59	7 21	
T 19	23 28	19 16	2 9	18 4	3 11	13 29	3 17	13 16	0 57	5 19	1 21	2 39	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 58	8 29	22 4	11 59	7 21	
F 20	23 29	23 58	3 15	18 24	3 1	13 36	3 21	13 30	0 57	5 20	1 20	2 40	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 57	8 28	22 7	11 59	7 22	
S 21	23 29	27 5	4 9	18 45	2 51	13 44	3 24	13 45	0 56	5 20	1 20	2 41	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 54	8 27	22 9	12 0	7 22	
S 22	23 29	28 13	4 45	19 7	2 41	13 52	3 26	13 59	0 55	5 21	1 20	2 42	2 23	23 44	0 14	2 53	1 23	1 1	15 52	8 51	8 26	22 11	12 0	7 22	
M23	23 29	27 17	5 2	19 29	2 30	14 0	3 29	14 13	0 55	5 22	1 20	2 43	2 24	23 44	0 14	2 53	1 23	1 1	15 52	8 47	8 24	22 14	12 0	7 23	
T 24	23 28	24 31	4 58	19 51	2 19	14 9	3 31	14 27	0 54	5 23	1 19	2 44	2 24	23 44	0 14	2 52	1 23	1 1	15 52	8 43	8 23	22 16	12 1	7 23	
W25	23 27	20 20	4 36	20 14	2 7	14 18	3 33	14 41	0 54	5 24	1 19	2 45	2 24	23 44	0 14	2 52	1 23	1 1	15 52	8 40	8 22	22 18	12 1	7 23	
T 26	23 26	15 12	3 59	20 36	1 55	14 28	3 35	14 54	0 53	5 25	1 19	2 46	2 25	23 44	0 14	2 52	1 23	1 1	15 53	8 38	8 21	22 20	12 1	7 23	
F 27	23 24	9 33	3 11	20 58	1 43	14 38	3 36	15 8	0 53	5 26	1 19	2 47	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 36	8 20	22 23	12 2	7 24	
S 28	23 22	3 40	2 14	21 20	1 31	14 48	3 38	15 21	0 52	5 27	1 18	2 48	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 36	8 19	22 25	12 2	7 24	
S 29	23 19	2n11	1 12	21 41	1 18	14 58	3 39	15 34	0 51	5 29	1 18	2 49	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 35	8 17	22 27	12 3	7 24	
M30	23n16	7n50	0s 9	22n 2	1s 6	15n 9	3s40	15n47	0s51	5s30	1n18	2n50	2s26	23n43	0n14	2n51	1n23	1s 1	15s54	8n36	8n16	22n30	12s 3	7n24	

ASTRODIENST EPHEMERIS for the year 1614

geocentric

JULY 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 25	8°45'51	28°16	21°52	24°20	16°29	17°4	12°50	1°30	26°4	7°30	22°R 0	21°Y 6	27°812	4°R 8	T 1
W 2	18 39 21	9°43'03	14° 5	23°39	25° 8	17°11	17° 7	12°52	1°34	26° 4	7°31	21°Y58	21° 3	27°18	4° 6	W 2
T 3	18 43 18	10°40'15	25°53	25°29	25°57	17°54	17°10	12°55	1°38	26° 5	7°32	21°54	20°59	27°25	4° 3	T 3
F 4	18 47 14	11°37'27	7°II43	27°21	26°46	18°36	17°14	12°57	1°41	26° 6	7°32	21°47	20°56	27°32	4° 0	F 4
S 5	18 51 11	12°34'40	19°40	29°17	27°36	19°19	17°17	12°59	1°45	26° 7	7°33	21°38	20°53	27°38	3°56	S 5
S 6	18 55 7	13°31'54	1°46	1°14	28°27	20° 1	17°21	13° 1	1°48	26° 8	7°34	21°26	20°50	27°45	3°53	S 6
M 7	18 59 4	14°29'07	14° 2	3°15	29°19	20°43	17°25	13° 3	1°52	26° 9	7°34	21°13	20°47	27°52	3°50	M 7
T 8	19 3 0	15°26'21	26°28	5°17	0°II11	21°25	17°29	13° 5	1°55	26°10	7°35	21° 0	20°44	27°58	3°47	T 8
W 9	19 6 57	16°23'35	9°II 6	7°21	1° 4	22° 7	17°33	13° 7	1°59	26°11	7°36	20°48	20°40	28° 5	3°44	W 9
T 10	19 10 54	17°20'49	21°54	9°26	1°57	22°49	17°38	13° 8	2° 2	26°12	7°36	20°37	20°37	28°12	3°41	T 10
F 11	19 14 50	18°18'04	4°II55	11°33	2°51	23°31	17°43	13°10	2° 6	26°13	7°37	20°30	20°34	28°18	3°38	F 11
S 12	19 18 47	19°15'18	18° 7	13°40	3°45	24°13	17°47	13°11	2° 9	26°14	7°37	20°25	20°31	28°25	3°34	S 12
S 13	19 22 43	20°12'33	1°432	15°48	4°40	24°55	17°52	13°13	2°13	26°15	7°38	20°22	20°28	28°32	3°31	S 13
M14	19 26 40	21° 9'48	15°12	17°56	5°35	25°36	17°57	13°14	2°16	26°16	7°38	20°22	20°24	28°38	3°28	M14
T 15	19 30 36	22° 7'03	29° 6	20° 5	6°31	26°18	18° 3	13°15	2°20	26°17	7°39	20°22	20°21	28°45	3°25	T 15
W16	19 34 33	23° 4'19	13°II16	22°13	7°27	26°59	18° 8	13°16	2°23	26°19	7°39	20°21	20°18	28°52	3°21	W16
T 17	19 38 29	24° 1'34	27°41	24°20	8°24	27°41	18°13	13°17	2°27	26°20	7°40	20°18	20°15	28°58	3°18	T 17
F 18	19 42 26	24°58'51	12°717	26°27	9°21	28°22	18°19	13°18	2°30	26°21	7°40	20°13	20°12	29° 5	3°15	F 18
S 19	19 46 23	25°56'07	27° 1	28°32	10°18	29° 3	18°25	13°19	2°33	26°22	7°41	20° 5	20° 9	29°12	3°11	S 19
S 20	19 50 19	26°53'24	11°344	0°II37	11°16	29°44	18°31	13°20	2°37	26°24	7°41	19°55	20° 5	29°19	3° 8	S 20
M21	19 54 16	27°50'42	26°19	2°40	12°15	0°II25	18°37	13°20	2°40	26°25	7°41	19°44	20° 2	29°25	3° 5	M21
T 22	19 58 12	28°48'01	10°38	4°42	13°14	1° 6	18°43	13°21	2°44	26°26	7°42	19°33	19°59	29°32	3° 1	T 22
W23	20 2 9	29°45'20	24°37	6°43	14°13	1°47	18°50	13°21	2°47	26°28	7°42	19°23	19°56	29°39	2°58	W23
T 24	20 6 5	0°42'40	8°II10	8°42	15°12	2°28	18°56	13°21	2°50	26°29	7°42	19°16	19°53	29°45	2°55	T 24
F 25	20 10 2	1°40'01	21°18	10°40	16°12	3° 8	19° 3	13°21	2°53	26°31	7°43	19°11	19°50	29°52	2°51	F 25
S 26	20 13 58	2°37'23	4°Y 2	12°36	17°13	3°49	19°10	13°R21	2°57	26°32	7°43	19° 8	19°46	29°59	2°48	S 26
S 27	20 17 55	3°34'46	16°25	14°30	18°13	4°29	19°17	13°21	3° 0	26°34	7°43	19°D 7	19°43	0°II 5	2°44	S 27
M28	20 21 52	4°32'10	28°32	16°23	19°14	5°10	19°24	13°21	3° 3	26°35	7°43	19°R 7	19°40	0°12	2°41	M28
T 29	20 25 48	5°29'36	10°827	18°15	20°15	5°50	19°31	13°21	3° 6	26°37	7°44	19° 7	19°37	0°19	2°38	T 29
W30	20 29 45	6°27'03	22°18	20° 4	21°17	6°30	19°38	13°20	3°10	26°38	7°44	19° 6	19°34	0°25	2°34	W30
T 31	20 33 41	7°12'431	4°II 7	21°52	22°II19	7°II10	19°46	13°Y20	3°13	26°40	7°44	19°Y 3	19°Y30	0°II32	2°31	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n12	13n 8	0n54	22n21	0s54	15n20	3s41	16n 0	0s50	5s31	1n17	2n50	2s26	23n43	0n14	2n50
W 2	23 8	17 55	1 54	22 39	0 41	15 31	3 41	16 13	0 50	5 33	1 17	2 51	2 26	23 43	0 14	2 50
T 3	23 4	22 0	2 49	22 56	0 29	15 42	3 41	16 25	0 49	5 34	1 17	2 52	2 26	23 43	0 14	2 49
F 4	22 59	25 13	3 37	23 11	0 17	15 53	3 42	16 37	0 48	5 36	1 17	2 52	2 27	23 43	0 14	2 49
S 5	22 54	27 20	4 15	23 25	0 5	16 4	3 42	16 50	0 48	5 38	1 16	2 53	2 27	23 43	0 14	2 49
S 6	22 48	28 12	4 43	23 36	0n 7	16 16	3 41	17 2	0 47	5 39	1 16	2 54	2 27	23 43	0 14	2 48
M 7	22 42	27 41	4 58	23 45	0 18	16 27	3 41	17 14	0 46	5 41	1 16	2 54	2 28	23 43	0 14	2 48
T 8	22 36	25 47	4 59	23 52	0 29	16 38	3 40	17 25	0 46	5 43	1 16	2 54	2 28	23 43	0 14	2 48
W 9	22 29	22 36	4 45	23 56	0 39	16 50	3 40	17 37	0 45	5 45	1 15	2 55	2 28	23 43	0 14	2 47
T 10	22 22	18 17	4 17	23 58	0 48	17 1	3 39	17 48	0 44	5 47	1 15	2 55	2 28	23 43	0 15	2 47
F 11	22 14	13 4	3 35	23 56	0 57	17 13	3 38	17 59	0 44	5 49	1 15	2 56	2 29	23 43	0 15	2 46
S 12	22 6	7 11	2 41	23 53	1 6	17 24	3 37	18 10	0 43	5 51	1 15	2 56	2 29	23 43	0 15	2 46
S 13	21 58	0 53	1 38	23 46	1 13	17 35	3 36	18 21	0 42	5 53	1 14	2 56	2 29	23 43	0 15	2 45
M14	21 49	5s35	0 27	23 37	1 20	17 46	3 34	18 32	0 42	5 55	1 14	2 56	2 29	23 43	0 15	2 45
T 15	21 40	11 54	0s46	23 24	1 26	17 57	3 33	18 42	0 41	5 57	1 14	2 57	2 30	23 43	0 15	2 44
W16	21 31	17 44	1 58	23 10	1 31	18 8	3 31	18 53	0 40	6 0	1 14	2 57	2 30	23 43	0 15	2 44
T 17	21 21	22 40	3 3	22 52	1 36	18 19	3 29	19 3	0 39	6 2	1 13	2 57	2 30	23 43	0 15	2 43
F 18	21 11	26 15	3 58	22 33	1 40	18 29	3 27	19 13	0 39	6 4	1 13	2 57	2 31	23 43	0 15	2 43
S 19	21 0	28 4	4 37	22 11	1 43	18 39	3 25	19 22	0 38	6 7	1 13	2 57	2 31	23 43	0 15	2 42
S 20	20 49	27 55	4 58	21 46	1 45	18 49	3 23	19 32	0 37	6 9	1 13	2 57	2 31	23 43	0 15	2 42
M21	20 38	25 49	4 59	21 20	1 47	18 59	3 21	19 41	0 36	6 12	1 12	2 57	2 31	23 43	0 15	2 41
T 22	20 27	22 6	4 41	20 52	1 47	19 9	3 19	19 51	0 36	6 14	1 12	2 57	2 32	23 42	0 15	2 41
W23	20 15	17 13	4 6	20 22	1 48	19 18	3 16	20 0	0 35	6 17	1 12	2 57	2 32	23 42	0 15	2 40
T 24	20 3	11 36	3 19	19 51	1 47	19 28	3 14	20 8	0 34	6 20	1 12	2 57	2 32	23 42	0 15	2 39
F 25	19 50	5 38	2 22	19 18	1 46	19 36	3 11	20 17	0 33	6 22	1 11	2 56	2 33	23 42	0 15	2 39
S 26	19 37	0n24	1 19	18 44	1 44	19 45	3 8	20 26	0 33	6 25	1 11	2 56	2 33	23 42	0 15	2 38
S 27	19 24	6 15	0 14	18 8	1 42	19 53	3 6	20 34	0 32	6 28	1 11	2 56	2 33	23 42	0 15	2 38
M28	19 10	11 45	0n50	17 32	1 39	20 1	3 3	20 42	0 31	6 31	1 11	2 55	2 33	23 42	0 15	2 37
T 29	18 56	16 45	1 51	16 55	1 36	20 9	3 0	20 50	0 30	6 34	1 10	2 55	2 34	23 42	0 15	2 36
W30	18 42	21 4	2 46	16 16	1 32	20 16	2 57	20 58	0 29	6 37	1 10	2 55	2 34	23 42	0 15	2 36
T 31	18n28	24n32	3n35	15n38	1n27	20n23	2s54	21n 5	0s28	6s40	1n10	2n54	2s34	23n42	0n15	2n35

Julian Day Number = 2310742.5, Delta T = 71.90 sec
 Ecliptic obliquity = 23°29'30, Nutation = - 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°21'36, Lahiri = 18°28'36Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614

geocentric

AUGUST 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 37 38	8♌22'00	16♊1	23♏39	23♊21	7♊50	19♌53	13°R19	3♌16	26♏41	7♌44	18°R58	19♏27	0♊39	2°R28	F 1
S 2	20 41 34	9°19'31	28° 4	25°24	24°23	8°30	20° 1	13°Y19	3°19	26°43	7°44	18°Y50	19°24	0°45	2°24	S 2
S 3	20 45 31	10°17'03	10♌18	27° 7	25°26	9°10	20° 9	13°18	3°22	26°45	7°44	18°39	19°21	0°52	2°21	S 3
M 4	20 49 27	11°14'36	22°45	28°49	26°29	9°49	20°17	13°17	3°25	26°46	7°45	18°28	19°18	0°59	2°18	M 4
T 5	20 53 24	12°12'10	5♌27	0♏29	27°32	10°29	20°25	13°16	3°28	26°48	7°45	18°16	19°15	1° 5	2°14	T 5
W 6	20 57 21	13° 9'46	18°23	2° 8	28°36	11° 9	20°33	13°15	3°31	26°50	7°45	18° 6	19°11	1°12	2°11	W 6
T 7	21 1 17	14° 7'22	1♏32	3°45	29°39	11°48	20°41	13°14	3°34	26°51	7°R45	17°57	19° 8	1°19	2° 8	T 7
F 8	21 5 14	15° 5'00	14°53	5°21	0♌43	12°27	20°50	13°12	3°37	26°53	7°45	17°50	19° 5	1°25	2° 4	F 8
S 9	21 9 10	16° 2'39	28°26	6°55	1°48	13° 6	20°58	13°11	3°40	26°55	7°45	17°46	19° 2	1°32	2° 1	S 9
S 10	21 13 7	17° 0'19	12♌7	8°28	2°52	13°45	21° 7	13° 9	3°43	26°57	7°45	17°D44	18°59	1°39	1°58	S 10
M 11	21 17 3	17°58'00	25°58	9°59	3°57	14°24	21°16	13° 8	3°45	26°58	7°45	17°45	18°56	1°45	1°55	M 11
T 12	21 21 0	18°55'42	9♌56	11°28	5° 2	15° 3	21°25	13° 6	3°48	27° 0	7°44	17°45	18°52	1°52	1°52	T 12
W 13	21 24 56	19°53'25	24° 3	12°56	6° 7	15°42	21°34	13° 4	3°51	27° 2	7°44	17°R45	18°49	1°59	1°49	W 13
T 14	21 28 53	20°51'09	8♌16	14°23	7°12	16°20	21°43	13° 2	3°54	27° 4	7°44	17°44	18°46	2° 6	1°45	T 14
F 15	21 32 50	21°48'55	22°33	15°48	8°17	16°59	21°52	13° 0	3°56	27° 6	7°44	17°41	18°43	2°12	1°42	F 15
S 16	21 36 46	22°46'41	6♌53	17°11	9°23	17°37	22° 1	12°58	3°59	27° 8	7°44	17°35	18°40	2°19	1°39	S 16
S 17	21 40 43	23°44'29	21°10	18°32	10°29	18°15	22°11	12°56	4° 2	27°10	7°44	17°28	18°36	2°26	1°36	S 17
M 18	21 44 39	24°42'18	5♌19	19°52	11°35	18°53	22°20	12°54	4° 4	27°12	7°44	17°19	18°33	2°32	1°33	M 18
T 19	21 48 36	25°40'08	19°16	21°11	12°41	19°31	22°30	12°52	4° 7	27°14	7°43	17°11	18°30	2°39	1°30	T 19
W 20	21 52 32	26°38'00	2♏56	22°27	13°48	20° 9	22°39	12°49	4° 9	27°16	7°43	17° 4	18°27	2°46	1°27	W 20
T 21	21 56 29	27°35'53	16°17	23°42	14°55	20°47	22°49	12°47	4°12	27°18	7°43	16°58	18°24	2°52	1°24	T 21
F 22	22 0 25	28°33'48	29°17	24°54	16° 2	21°25	22°59	12°44	4°14	27°20	7°42	16°54	18°21	2°59	1°22	F 22
S 23	22 4 22	29°31'45	11°Y57	26° 5	17° 9	22° 2	23° 9	12°41	4°17	27°22	7°42	16°D53	18°17	3° 6	1°19	S 23
S 24	22 8 19	0♏29'43	24°18	27°14	18°16	22°40	23°19	12°38	4°19	27°24	7°42	16°53	18°14	3°12	1°16	S 24
M 25	22 12 15	1°27'44	6♌25	28°20	19°23	23°17	23°29	12°36	4°21	27°26	7°41	16°54	18°11	3°19	1°13	M 25
T 26	22 16 12	2°25'46	18°22	29°25	20°31	23°54	23°40	12°33	4°24	27°28	7°41	16°55	18° 8	3°26	1°11	T 26
W 27	22 20 8	3°23'50	0♊13	0♌27	21°39	24°31	23°50	12°30	4°26	27°30	7°41	16°R56	18° 5	3°32	1° 8	W 27
T 28	22 24 5	4°21'56	12° 4	1°26	22°46	25° 8	24° 0	12°26	4°28	27°32	7°40	16°56	18° 2	3°39	1° 5	T 28
F 29	22 28 1	5°20'04	24° 0	2°23	23°55	25°45	24°11	12°23	4°30	27°34	7°40	16°54	17°58	3°46	1° 3	F 29
S 30	22 31 58	6°18'15	6♌5	3°17	25° 3	26°21	24°22	12°20	4°33	27°36	7°39	16°50	17°55	3°52	1° 0	S 30
S 31	22 35 54	7♏16'27	18♌24	4♌8	26♌11	26♊58	24♌32	12°Y17	4♌35	27♏38	7♌39	16°Y45	17°Y52	3♊59	0♌58	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	lat	lat
F 1	18n13	26n58	4n14	14n58	1n23	20n29	2s50	21n13	0s28	6s43	1n10	2n54	2s35	23n42	0n15	2n34	1n22	1s 6	16s 3	7n26	7n38	23n39	12s24	7n27
S 2	17 58	28 12	4 43	14 18	1 18	20 35	2 47	21 20	0 27	6 46	1 10	2 53	2 35	23 42	0 15	2 34	1 22	1 6	16 3	7 23	7 37	23 41	12 24	7 27
S 3	17 42	28 4	4 59	13 37	1 12	20 41	2 44	21 27	0 26	6 49	1 9	2 53	2 35	23 42	0 15	2 33	1 22	1 6	16 4	7 20	7 35	23 43	12 25	7 27
M 4	17 26	26 31	5 1	12 57	1 6	20 46	2 40	21 34	0 25	6 52	1 9	2 52	2 35	23 42	0 15	2 32	1 22	1 6	16 4	7 15	7 34	23 45	12 26	7 27
T 5	17 10	23 37	4 49	12 15	1 0	20 51	2 37	21 40	0 24	6 56	1 9	2 51	2 36	23 42	0 15	2 32	1 22	1 7	16 4	7 11	7 33	23 47	12 27	7 26
W 6	16 54	19 30	4 22	11 34	0 53	20 56	2 34	21 47	0 23	6 59	1 9	2 51	2 36	23 42	0 15	2 31	1 22	1 7	16 4	7 7	7 32	23 49	12 28	7 26
T 7	16 38	14 23	3 40	10 52	0 46	21 0	2 30	21 53	0 22	7 2	1 8	2 50	2 36	23 42	0 15	2 30	1 22	1 7	16 5	7 3	7 31	23 51	12 29	7 26
F 8	16 21	8 31	2 46	10 11	0 39	21 3	2 26	21 59	0 22	7 6	1 8	2 49	2 36	23 41	0 15	2 29	1 22	1 8	16 5	7 1	7 29	23 53	12 29	7 26
S 9	16 4	2 10	1 41	9 29	0 32	21 6	2 23	22 5	0 21	7 9	1 8	2 49	2 37	23 41	0 15	2 29	1 22	1 8	16 5	6 59	7 28	23 55	12 30	7 26
S 10	15 46	4s20	0 30	8 47	0 24	21 9	2 19	22 10	0 20	7 13	1 8	2 48	2 37	23 41	0 15	2 28	1 22	1 8	16 6	6 59	7 27	23 57	12 31	7 26
M11	15 29	10 44	0s44	8 6	0 16	21 11	2 15	22 16	0 19	7 16	1 8	2 47	2 37	23 41	0 15	2 27	1 22	1 8	16 6	6 59	7 26	23 59	12 32	7 26
T 12	15 11	16 40	1 56	7 24	0 8	21 12	2 12	22 21	0 18	7 20	1 7	2 46	2 38	23 41	0 15	2 26	1 22	1 9	16 6	6 59	7 24	24 1	12 33	7 25
W13	14 53	21 45	3 2	6 43	0s 0	21 13	2 8	22 26	0 17	7 23	1 7	2 45	2 38	23 41	0 15	2 26	1 22	1 9	16 7	6 59	7 23	24 3	12 34	7 25
T 14	14 35	25 37	3 57	6 2	0 9	21 14	2 4	22 31	0 16	7 27	1 7	2 44	2 38	23 41	0 15	2 25	1 22	1 9	16 7	6 58	7 22	24 5	12 35	7 25
F 15	14 16	27 54	4 37	5 21	0 17	21 14	2 0	22 36	0 15	7 30	1 7	2 43	2 38	23 41	0 15	2 24	1 22	1 10	16 7	6 57	7 21	24 7	12 35	7 25
S 16	13 57	28 19	5 0	4 40	0 26	21 14	1 56	22 41	0 14	7 34	1 7	2 42	2 39	23 41	0 15	2 23	1 22	1 10	16 8	6 55	7 20	24 9	12 36	7 25
S 17	13 38	26 51	5 5	4 0	0 35	21 13	1 52	22 45	0 13	7 38	1 6	2 41	2 39	23 41	0 15	2 23	1 22	1 10	16 8	6 52	7 18	24 11	12 37	7 24
M18	13 19	23 41	4 51	3 20	0 44	21 11	1 48	22 49	0 12	7 41	1 6	2 40	2 39	23 41	0 15	2 22	1 22	1 11	16 8	6 49	7 17	24 13	12 38	7 24
T 19	12 59	19 11	4 20	2 41	0 53	21 9	1 44	22 53	0 11	7 45	1 6	2 39	2 39	23 41	0 15	2 21	1 22	1 11	16 8	6 46	7 16	24 15	12 39	7 24
W20	12 40	13 46	3 34	2 3	1 3	21 7	1 40	22 57	0 10	7 49	1 6	2 38	2 39	23 41	0 15	2 20	1 21	1 11	16 9	6 43	7 15	24 17	12 40	7 24
T 21	12 20	7 50	2 37	1 25	1 12	21 4	1 36	23 1	0 9	7 53	1 6	2 36	2 40	23 41	0 15	2 19	1 21	1 12	16 9	6 41	7 14	24 19	12 41	7 23
F 22	12 0	1 43	1 33	0 47	1 21	21 0	1 32	23 5	0 8	7 56	1 6	2 35	2 40	23 41	0 15	2 19	1 21	1 12	16 9	6 39	7 12	24 21	12 41	7 23
S 23	11 40	4n19	0 27	0 10	1 31	20 56	1 28	23 8	0 7	8 0	1 5	2 34	2 40	23 41	0 15	2 18	1 21	1 13	16 10	6 39	7 11	24 23	12 42	7 23
S 24	11 19	10 4	0n40	0s26	1 40	20 51	1 24	23 11	0 6	8 4	1 5	2 33	2 40	23 40	0 15	2 17	1 21	1 13	16 10	6 39	7 10	24 25	12 43	7 22
M25	10 59	15 19	1 44	1 1	1 49	20 46	1 20	23 14	0 5	8 8	1 5	2 31	2 41	23 40	0 15	2 16	1 21	1 13	16 10	6 39	7 9	24 27	12 44	7 22
T 26	10 38	19 56	2 42	1 35	1 59	20 40	1 16	23 17	0 4	8 12	1 5	2 30	2 41	23 40	0 15	2 15	1 21	1 14	16 10	6 40	7 8	24 29	12 45	7 22
W27	10 17	23 43	3 33	2 8	2 8	20 33	1 12	23 20	0 3	8 16	1 5	2 28	2 41	23 40	0 15	2 15	1 21	1 14	16 11	6 40	7 6	24 31	12 46	7 22
T 28	9 56	26 30	4 15	2 40	2 17	20 26	1 8	23 22	0 2	8 20	1 4	2 27	2 41	23 40	0 15	2 14	1 21	1 14	16 11	6 40	7 5	24 33	12 47	7 21
F 29	9 35	28 7	4 46	3 11	2 26	20 19	1 4	23 24	0 1	8 24	1 4	2 26	2 41	23 40	0 15	2 13	1 21	1 15	16 11	6 39	7 4	24 34	12 48	7 21
S 30	9 13	28 25	5 5	3 41	2 35	20 11	1 0	23 27	0n 0	8 28	1 4	2 24	2 42	23 40	0 15	2 12	1 21	1 15	16 12	6 38	7 3	24 36	12 48	7 21
S 31	8n52	27n20	5n10	4s 9	2s44	20n 2	0s56	23n29	0n 1	8s32	1n 4	2n23	2s42	23n40	0n15	2n11	1n21	1s16	16s12	6n36	7n 1	24n38	12s49	7n20

ASTRODIENST EPHEMERIS for the year 1614

geocentric

SEPTEMBER 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 39 51	8♍14'41	0♈59	4♌56	27♏20	27♏34	24♌43	12°R13	4♏37	27♏40	7°R39	16°R39	17°Y49	4♏6	0°R55	M 1
T 2	22 43 48	9°12'57	13°53	5°40	28°28	28°10	24°54	12°Y10	4°39	27°42	7♏38	16°Y33	17°46	4°13	0°53	T 2
W 3	22 47 44	10°11'15	27° 5	6°21	29°37	28°46	25° 5	12° 6	4°41	27°45	7°37	16°27	17°42	4°19	0°51	W 3
T 4	22 51 41	11° 9'35	10♍34	6°58	0♈46	29°22	25°16	12° 2	4°43	27°47	7°37	16°22	17°39	4°26	0°48	T 4
F 5	22 55 37	12° 7'56	24°19	7°30	1°55	29°58	25°27	11°59	4°44	27°49	7°36	16°18	17°36	4°33	0°46	F 5
S 6	22 59 34	13° 6'19	8♌17	7°59	3° 4	0♏34	25°38	11°55	4°46	27°51	7°36	16°16	17°33	4°39	0°44	S 6
S 7	23 3 30	14° 4'44	22°24	8°22	4°14	1° 9	25°49	11°51	4°48	27°53	7°35	16°D16	17°30	4°46	0°42	S 7
M 8	23 7 27	15° 3'11	6♍36	8°40	5°23	1°44	26° 1	11°47	4°50	27°55	7°35	16°17	17°27	4°53	0°40	M 8
T 9	23 11 23	16° 1'40	20°50	8°53	6°33	2°19	26°12	11°43	4°51	27°58	7°34	16°19	17°23	4°59	0°38	T 9
W10	23 15 20	17° 0'10	5♌ 5	9° 0	7°43	2°54	26°23	11°39	4°53	28° 0	7°33	16°20	17°20	5° 6	0°36	W10
T 11	23 19 17	17°58'41	19°16	9°R 1	8°53	3°29	26°35	11°35	4°55	28° 2	7°33	16°R21	17°17	5°13	0°34	T 11
F 12	23 23 13	18°57'15	3♏24	8°55	10° 3	4° 4	26°46	11°31	4°56	28° 4	7°32	16°20	17°14	5°19	0°32	F 12
S 13	23 27 10	19°55'50	17°25	8°43	11°13	4°38	26°58	11°27	4°58	28° 6	7°31	16°18	17°11	5°26	0°31	S 13
S 14	23 31 6	20°54'27	1♌17	8°23	12°23	5°13	27°10	11°22	4°59	28° 9	7°31	16°15	17° 8	5°33	0°29	S 14
M15	23 35 3	21°53'05	15° 0	7°57	13°33	5°47	27°22	11°18	5° 1	28°11	7°30	16°11	17° 4	5°39	0°27	M15
T 16	23 38 59	22°51'45	28°30	7°23	14°44	6°21	27°33	11°14	5° 2	28°13	7°29	16° 8	17° 1	5°46	0°26	T 16
W17	23 42 56	23°50'27	11♌45	6°43	15°54	6°55	27°45	11° 9	5° 3	28°15	7°28	16° 5	16°58	5°53	0°24	W17
T 18	23 46 52	24°49'11	24°46	5°55	17° 5	7°28	27°57	11° 5	5° 5	28°18	7°28	16° 2	16°55	6° 0	0°23	T 18
F 19	23 50 49	25°47'57	7°Y31	5° 2	18°16	8° 2	28° 9	11° 0	5° 6	28°20	7°27	16° 1	16°52	6° 6	0°21	F 19
S 20	23 54 46	26°46'45	20° 1	4° 4	19°27	8°35	28°21	10°56	5° 7	28°22	7°26	16°D 1	16°48	6°13	0°20	S 20
S 21	23 58 42	27°45'35	2♌16	3° 1	20°38	9° 8	28°33	10°51	5° 8	28°24	7°25	16° 2	16°45	6°20	0°19	S 21
M22	0 2 39	28°44'27	14°21	1°55	21°49	9°41	28°45	10°47	5° 9	28°26	7°24	16° 3	16°42	6°26	0°18	M22
T 23	0 6 35	29°43'21	26°16	0°48	23° 0	10°14	28°58	10°42	5°10	28°29	7°23	16° 4	16°39	6°33	0°16	T 23
W24	0 10 32	0♌42'18	8♏ 8	29♍40	24°12	10°46	29°10	10°38	5°11	28°31	7°23	16° 6	16°36	6°40	0°15	W24
T 25	0 14 28	1°41'17	19°59	28°35	25°23	11°18	29°22	10°33	5°12	28°33	7°22	16° 7	16°33	6°46	0°14	T 25
F 26	0 18 25	2°40'19	1♏54	27°34	26°35	11°50	29°35	10°28	5°13	28°35	7°21	16°R 7	16°29	6°53	0°14	F 26
S 27	0 22 21	3°39'22	13°59	26°37	27°47	12°22	29°47	10°24	5°14	28°38	7°20	16° 7	16°26	7° 0	0°13	S 27
S 28	0 26 18	4°38'29	26°17	25°48	28°58	12°54	29°59	10°19	5°14	28°40	7°19	16° 6	16°23	7° 6	0°12	S 28
M29	0 30 15	5°37'37	8♈53	25° 7	0♍10	13°26	0♍12	10°14	5°15	28°42	7°18	16° 5	16°20	7°13	0°11	M29
T 30	0 34 11	6♌36'47	21♈50	24♍35	1♍22	13♏57	0♍24	10°Y 9	5♏16	28♍44	7♏17	16°Y 4	16°Y17	7♏20	0♌11	T 30

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	decl lat	
M 1	8n30	24n52	5n 0	4s36	2s53	19n53	0s52	23n30	0n 2	8s36	1n 4	2n21	2s42	23n40	0n15	2n10
T 2	8 8	21 6	4 36	5 2	3 1	19 43	0 48	23 32	0 3	8 40	1 4	2 20	2 42	23 40	0 15	2 9
W 3	7 46	16 12	3 56	5 25	3 10	19 33	0 44	23 34	0 4	8 45	1 4	2 18	2 42	23 40	0 15	2 9
T 4	7 24	10 26	3 2	5 47	3 17	19 22	0 40	23 35	0 5	8 49	1 3	2 16	2 43	23 40	0 15	2 8
F 5	7 2	4 3	1 57	6 7	3 25	19 11	0 36	23 36	0 7	8 53	1 3	2 15	2 43	23 40	0 15	2 7
S 6	6 39	2s38	0 44	6 25	3 32	18 59	0 33	23 37	0 8	8 57	1 3	2 13	2 43	23 40	0 15	2 6
S 7	6 17	9 15	0s33	6 40	3 38	18 47	0 29	23 38	0 9	9 1	1 3	2 12	2 43	23 40	0 16	2 5
M 8	5 54	15 28	1 49	6 52	3 44	18 34	0 25	23 39	0 10	9 6	1 3	2 10	2 43	23 40	0 16	2 4
T 9	5 31	20 52	2 58	7 2	3 49	18 20	0 21	23 39	0 11	9 10	1 3	2 8	2 43	23 40	0 16	2 3
W10	5 9	25 4	3 56	7 9	3 53	18 6	0 17	23 40	0 12	9 14	1 2	2 6	2 44	23 40	0 16	2 2
T 11	4 46	27 42	4 39	7 12	3 57	17 52	0 13	23 40	0 14	9 18	1 2	2 5	2 44	23 40	0 16	2 2
F 12	4 23	28 32	5 6	7 12	3 59	17 37	0 10	23 40	0 15	9 23	1 2	2 3	2 44	23 40	0 16	2 1
S 13	4 0	27 32	5 13	7 8	4 0	17 21	0 6	23 40	0 16	9 27	1 2	2 1	2 44	23 40	0 16	2 0
S 14	3 37	24 50	5 3	7 1	4 0	17 5	0 2	23 40	0 17	9 31	1 2	1 59	2 44	23 40	0 16	1 59
M15	3 14	20 45	4 35	6 49	3 59	16 49	0n 1	23 40	0 18	9 36	1 2	1 58	2 44	23 39	0 16	1 58
T 16	2 50	15 39	3 52	6 33	3 56	16 32	0 5	23 40	0 20	9 40	1 2	1 56	2 44	23 39	0 16	1 57
W17	2 27	9 54	2 58	6 12	3 51	16 14	0 8	23 39	0 21	9 44	1 2	1 54	2 45	23 39	0 16	1 56
T 18	2 4	3 50	1 54	5 47	3 44	15 56	0 12	23 39	0 22	9 49	1 1	1 52	2 45	23 39	0 16	1 55
F 19	1 40	2n16	0 47	5 18	3 36	15 38	0 15	23 38	0 23	9 53	1 1	1 50	2 45	23 39	0 16	1 55
S 20	1 17	8 11	0n22	4 45	3 25	15 19	0 19	23 37	0 25	9 58	1 1	1 48	2 45	23 39	0 16	1 54
S 21	0 54	13 40	1 29	4 9	3 13	14 59	0 22	23 36	0 26	10 2	1 1	1 47	2 45	23 39	0 16	1 53
M22	0 30	18 34	2 30	3 30	2 58	14 40	0 25	23 35	0 27	10 6	1 1	1 45	2 45	23 39	0 16	1 52
T 23	0 7	22 40	3 24	2 48	2 43	14 19	0 28	23 34	0 28	10 11	1 1	1 43	2 45	23 39	0 16	1 51
W24	0s17	25 49	4 10	2 5	2 25	13 59	0 32	23 33	0 30	10 15	1 1	1 41	2 45	23 39	0 16	1 50
T 25	0 40	27 50	4 44	1 22	2 6	13 38	0 35	23 32	0 31	10 20	1 1	1 39	2 45	23 39	0 16	1 49
F 26	1 4	28 36	5 7	0 40	1 47	13 16	0 38	23 30	0 32	10 24	1 0	1 37	2 45	23 39	0 16	1 48
S 27	1 27	28 0	5 16	0n 1	1 27	12 54	0 41	23 29	0 34	10 29	1 0	1 35	2 45	23 39	0 16	1 48
S 28	1 51	26 2	5 12	0 40	1 6	12 32	0 44	23 27	0 35	10 33	1 0	1 33	2 45	23 39	0 16	1 47
M29	2 14	22 46	4 52	1 15	0 46	12 10	0 46	23 25	0 37	10 38	1 0	1 32	2 45	23 39	0 16	1 46
T 30	2s38	18n19	4n17	1n45	0s26	11n47	0n49	23n23	0n38	10s42	1n 0	1n30	2s45	23n39	0n16	1n45

Julian Day Number = 2310804.5, Delta T = 71.73 sec

Ecliptic obliquity = 23°29'31", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°21'44", Lahiri = 18°28'45"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614
geocentric

OCTOBER 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 38 8	7♂36'00	5♂10	24°R14	2♂34	14♂28	0♂37	10°R 5	5♂16	28♂46	7°R16	16°R 2	16°Y13	7♂26	0°R10	W 1
T 2	0 42 4	8°35'15	18°53	24♂ 3	3°47	14°59	0°50	10°Y 0	5°17	28°49	7♂15	16°Y 1	16°10	7°33	0°R 9	T 2
F 3	0 46 1	9°34'33	2♂57	24°D 2	4°59	15°29	1° 2	9°55	5°17	28°51	7°14	16° 1	16° 7	7°40	0° 9	F 3
S 4	0 49 57	10°33'52	17°18	24°13	6°11	16° 0	1°15	9°50	5°18	28°53	7°13	16°D 1	16° 4	7°47	0° 9	S 4
S 5	0 53 54	11°33'13	1♂52	24°33	7°24	16°30	1°28	9°46	5°18	28°55	7°12	16° 1	16° 1	7°53	0° 8	S 5
M 6	0 57 50	12°32'36	16°32	25° 4	8°36	17° 0	1°40	9°41	5°18	28°57	7°11	16° 1	15°58	8° 0	0° 8	M 6
T 7	1 1 47	13°32'02	1♂11	25°44	9°49	17°29	1°53	9°36	5°19	29° 0	7°10	16° 2	15°54	8° 7	0° 8	T 7
W 8	1 5 44	14°31'29	15°45	26°32	11° 1	17°58	2° 6	9°31	5°19	29° 2	7° 9	16° 2	15°51	8°13	0° 8	W 8
T 9	1 9 40	15°30'58	0♂ 7	27°28	12°14	18°28	2°19	9°27	5°19	29° 4	7° 8	16° 2	15°48	8°20	0°D 8	T 9
F 10	1 13 37	16°30'29	14°16	28°32	13°27	18°56	2°32	9°22	5°19	29° 6	7° 7	16° 2	15°45	8°27	0° 8	F 10
S 11	1 17 33	17°30'01	28° 9	29°41	14°40	19°25	2°45	9°17	5°R19	29° 8	7° 6	16° 2	15°42	8°33	0° 8	S 11
S 12	1 21 30	18°29'35	11♂46	0♂56	15°53	19°53	2°58	9°13	5°19	29°10	7° 5	16° 2	15°39	8°40	0° 8	S 12
M13	1 25 26	19°29'11	25° 7	2°16	17° 6	20°21	3°11	9° 8	5°19	29°13	7° 4	16° 2	15°35	8°47	0° 8	M13
T 14	1 29 23	20°28'49	8♂13	3°39	18°19	20°49	3°24	9° 3	5°19	29°15	7° 3	16° 3	15°32	8°54	0° 9	T 14
W15	1 33 19	21°28'28	21° 5	5° 6	19°32	21°16	3°37	8°59	5°19	29°17	7° 2	16° 3	15°29	9° 0	0° 9	W15
T 16	1 37 16	22°28'09	3°Y44	6°36	20°45	21°44	3°50	8°54	5°18	29°19	7° 1	16° 4	15°26	9° 7	0°10	T 16
F 17	1 41 12	23°27'52	16°11	8° 9	21°59	22°10	4° 3	8°50	5°18	29°21	7° 0	16°R 4	15°23	9°14	0°10	F 17
S 18	1 45 9	24°27'37	28°28	9°43	23°12	22°37	4°16	8°45	5°18	29°23	6°59	16° 4	15°19	9°20	0°11	S 18
S 19	1 49 6	25°27'24	10♂35	11°19	24°26	23° 3	4°29	8°41	5°17	29°25	6°58	16° 3	15°16	9°27	0°12	S 19
M20	1 53 2	26°27'14	22°34	12°56	25°39	23°29	4°42	8°36	5°17	29°27	6°56	16° 2	15°13	9°34	0°12	M20
T 21	1 56 59	27°27'05	4♂27	14°33	26°53	23°55	4°55	8°32	5°17	29°29	6°55	16° 0	15°10	9°40	0°13	T 21
W22	2 0 55	28°26'59	16°18	16°12	28° 6	24°20	5° 8	8°28	5°16	29°31	6°54	15°58	15° 7	9°47	0°14	W22
T 23	2 4 52	29°26'54	28° 9	17°51	29°20	24°45	5°21	8°23	5°15	29°33	6°53	15°56	15° 4	9°54	0°15	T 23
F 24	2 8 48	0♂26'52	10♂ 3	19°31	0♂34	25°10	5°34	8°19	5°15	29°35	6°52	15°55	15° 0	10° 0	0°16	F 24
S 25	2 12 45	1°26'52	22° 5	21°10	1°48	25°34	5°48	8°15	5°14	29°37	6°51	15°54	14°57	10° 7	0°17	S 25
S 26	2 16 41	2°26'54	4♂20	22°50	3° 2	25°58	6° 1	8°11	5°13	29°39	6°50	15°D54	14°54	10°14	0°18	S 26
M27	2 20 38	3°26'58	16°52	24°30	4°15	26°21	6°14	8° 7	5°13	29°41	6°49	15°54	14°51	10°21	0°20	M27
T 28	2 24 35	4°27'05	29°44	26° 9	5°29	26°45	6°27	8° 3	5°12	29°43	6°47	15°55	14°48	10°27	0°21	T 28
W29	2 28 31	5°27'13	13♂ 1	27°49	6°44	27° 7	6°40	7°59	5°11	29°45	6°46	15°57	14°45	10°34	0°22	W29
T 30	2 32 28	6°27'24	26°44	29°28	7°58	27°30	6°54	7°55	5°10	29°47	6°45	15°58	14°41	10°41	0°24	T 30
F 31	2 36 24	7♂27'36	10♂54	1♂ 7	9♂12	27♂52	7♂ 7	7°Y51	5♂ 9	29♂49	6♂44	15°R59	14°Y38	10♂47	0°25	F 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
W 1	3s 1	12n51	3n28	2n11	0s 7	11n23	0n52	23n21	0n39	10s47	1n 0	1n28	2s45	23n39	0n16	1n44	1n21	1s29	16s19	6n19	6n24	25n34	13s12	7n 7			
T 2	3 25	6 38	2 25	2 32	0n11	11 0	0 55	23 19	0 41	10 51	1 0	1 26	2 46	23 39	0 16	1 43	1 21	1 29	16 19	6 19	6 22	25 35	13 13	7 6			
F 3	3 48	0s 4	1 12	2 48	0 28	10 36	0 57	23 17	0 42	10 56	1 0	1 24	2 46	23 39	0 16	1 42	1 21	1 30	16 19	6 19	6 21	25 37	13 14	7 6			
S 4	4 11	6 55	0s 7	2 58	0 44	10 11	1 0	23 15	0 44	11 0	1 0	1 22	2 46	23 39	0 16	1 41	1 22	1 30	16 19	6 19	6 20	25 39	13 14	7 5			
S 5	4 35	13 30	1 27	3 3	0 58	9 47	1 2	23 13	0 45	11 5	1 0	1 20	2 46	23 39	0 16	1 41	1 22	1 31	16 19	6 19	6 19	25 40	13 15	7 5			
M 6	4 58	19 23	2 41	3 3	1 10	9 22	1 5	23 11	0 47	11 9	0 59	1 18	2 46	23 39	0 16	1 40	1 22	1 31	16 19	6 19	6 18	25 42	13 15	7 4			
T 7	5 21	24 7	3 45	2 57	1 22	8 56	1 7	23 8	0 48	11 14	0 59	1 17	2 46	23 39	0 16	1 39	1 22	1 32	16 19	6 19	6 16	25 43	13 16	7 4			
W 8	5 44	27 16	4 34	2 47	1 31	8 31	1 9	23 6	0 49	11 18	0 59	1 15	2 46	23 39	0 16	1 38	1 22	1 32	16 20	6 19	6 15	25 45	13 16	7 3			
T 9	6 7	28 35	5 5	2 32	1 40	8 5	1 11	23 4	0 51	11 23	0 59	1 13	2 46	23 39	0 16	1 37	1 22	1 32	16 20	6 19	6 14	25 47	13 17	7 3			
F 10	6 30	27 59	5 17	2 13	1 46	7 39	1 14	23 1	0 53	11 27	0 59	1 11	2 45	23 39	0 16	1 36	1 22	1 33	16 20	6 19	6 13	25 48	13 17	7 2			
S 11	6 53	25 38	5 10	1 50	1 52	7 13	1 16	22 59	0 54	11 32	0 59	1 9	2 45	23 39	0 16	1 35	1 22	1 33	16 20	6 19	6 11	25 50	13 18	7 2			
S 12	7 16	21 52	4 46	1 24	1 56	6 46	1 18	22 56	0 56	11 36	0 59	1 7	2 45	23 39	0 16	1 35	1 22	1 34	16 20	6 19	6 10	25 52	13 18	7 1			
M13	7 38	17 2	4 7	0 55	1 59	6 20	1 19	22 53	0 57	11 41	0 59	1 6	2 45	23 39	0 16	1 34	1 22	1 34	16 20	6 19	6 9	25 53	13 19	7 0			
T 14	8 1	11 31	3 15	0 24	2 1	5 53	1 21	22 51	0 59	11 45	0 59	1 4	2 45	23 39	0 16	1 33	1 22	1 34	16 20	6 20	6 8	25 55	13 19	7 0			
W15	8 23	5 36	2 14	0s10	2 2	5 25	1 23	22 48	1 0	11 50	0 59	1 2	2 45	23 39	0 16	1 32	1 22	1 35	16 20	6 20	6 7	25 56	13 20	6 59			
T 16	8 46	0n27	1 8	0 45	2 2	4 58	1 25	22 45	1 2	11 54	0 59	1 0	2 45	23 40	0 16	1 31	1 22	1 35	16 20	6 20	6 5	25 58	13 20	6 59			
F 17	9 8	6 24	0n 1	1 22	2 2	4 30	1 26	22 43	1 4	11 59	0 59	0 59	2 45	23 40	0 16	1 31	1 22	1 36	16 20	6 20	6 4	25 59	13 20	6 58			
S 18	9 30	12 1	1 8	2 1	2 0	4 3	1 28	22 40	1 5	12 3	0 59	0 57	2 45	23 40	0 16	1 30	1 22	1 36	16 20	6 20	6 3	26 1	13 21	6 58			
S 19	9 52	17 7	2 12	2 40	1 58	3 35	1 29	22 37	1 7	12 7	0 58	0 55	2 45	23 40	0 17	1 29	1 22	1 36	16 20	6 20	6 2	26 3	13 21	6 57			
M20	10 14	21 29	3 9	3 21	1 55	3 7	1 30	22 34	1 9	12 12	0 58	0 54	2 45	23 40	0 17	1 28	1 22	1 37	16 20	6 19	6 0	26 4	13 21	6 57			
T 21	10 35	24 57	3 57	4 2	1 52	2 39	1 32	22 32	1 10	12 16	0 58	0 52	2 45	23 40	0 17	1 27	1 22	1 37	16 21	6 18	5 59	26 6	13 22	6 56			
W22	10 57	27 20	4 35	4 43	1 48	2 10	1 33	22 29	1 12	12 21	0 58	0 50	2 45	23 40	0 17	1 27	1 22	1 38	16 21	6 18	5 58	26 7	13 22	6 56			
T 23	11 18	28 30	5 1	5 25	1 44	1 42	1 34	22 26	1 14	12 25	0 58	0 49	2 45	23 40	0 17	1 26	1 22	1 38	16 21	6 17	5 57	26 9	13 22	6 55			
F 24	11 39	28 20	5 14	6 7	1 39	1 14	1 35	22 23	1 16	12 30	0 58	0 47	2 45	23 40	0 17	1 25	1 22	1 38	16 21	6 16	5 55	26 10	13 23	6 55			
S 25	12 0	26 50	5 14	6 49	1 34	0 45	1 36	22 21	1 18	12 34	0 58	0 46	2 44	23 40	0 17	1 24	1 22	1 39	16 21	6 16	5 54	26 12	13 23	6 54			
S 26	12 21	24 4	5 0	7 31	1 29	0 16	1 37	22 18	1 19	12 39	0 58	0 44	2 44	23 40	0 17	1 24	1 22	1 39	16 21	6 16	5 53	26 13	13 23	6 54			
M27	12 42	20 7	4 31	8 13	1 24	0s12	1 37	22 15	1 21	12 43	0 58	0 43	2 44	23 40	0 17	1 23	1 22	1 39	16 21	6 16	5 52	26 15	13 23	6 53			
T 28	13 2	15 9	3 48	8 55	1 18	0 41	1 38	22 13	1 23	12 47	0 58	0 41	2 44	23 40	0 17	1 22	1 22	1 40	16 21	6 17	5 51	26 16	13 24	6 53			
W29	13 22	9 20	2 52	9 36	1 12	1 10	1 39	22 10	1 25	12 52	0 58	0 40	2 44	23 40	0 17	1 21	1 22	1 40	16 21	6 17	5 49	26 18	13 24	6 52			
T 30	13 42	2 53	1 44	10 17	1 6	1 39	1 39	22 7	1 27	12 56	0 58	0 38	2 44	23 40	0 17	1 21	1 22	1 40	16 21	6 18	5 48	26 19	13 24	6 52			
F 31	14s 2	3s54	0n28	10s57	0n59	2s 7	1n40	22n 5	1n29	13s 0	0n58	0n37	2s44	23n40	0n17	1n20	1n22	1s41	16s21	6n18	5n47	26n21	13s24	6n51			

Julian Day Number = 2310834.5, Delta T = 71.64 sec
Ecliptic obliquity = 23°29'31", Nutation = - 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'48", Lahiri = 18°28'49"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1614

geocentric

NOVEMBER 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 21	8♈27°51	25♊28	2♈45	10♈26	28♈13	7♈20	7°R47	5°R 8	29♈51	6°R43	15°R59	14°V35	10♈54	0°27	S 1
S 2	2 44 17	9°28'07	10♈21	4°24	11°40	28°35	7°33	7°V44	5°27	29°52	6°42	15°V57	14°32	11° 1	0°29	S 2
M 3	2 48 14	10°28'26	25°25	6° 1	12°55	28°55	7°46	7°40	5° 6	29°54	6°41	15°55	14°29	11° 7	0°30	M 3
T 4	2 52 10	11°28'46	10°23'31	7°39	14° 9	29°16	8° 0	7°37	5° 4	29°56	6°40	15°51	14°25	11°14	0°32	T 4
W 5	2 56 7	12°29'07	25°28	9°16	15°23	29°35	8°13	7°33	5° 3	29°58	6°38	15°47	14°22	11°21	0°34	W 5
T 6	3 0 4	13°29'30	10°23'11	10°53	16°38	29°55	8°26	7°30	5° 2	29°59	6°37	15°44	14°19	11°28	0°36	T 6
F 7	3 4 0	14°29'55	24°32	12°30	17°52	0♈14	8°39	7°27	5° 1	0♈ 1	6°36	15°41	14°16	11°34	0°38	F 7
S 8	3 7 57	15°30'21	8°30	14° 6	19° 7	0°32	8°52	7°23	4°59	0° 3	6°35	15°40	14°13	11°41	0°40	S 8
S 9	3 11 53	16°30'48	22° 4	15°43	20°21	0°50	9° 6	7°20	4°58	0° 5	6°34	15°D40	14°10	11°48	0°42	S 9
M10	3 15 50	17°31'16	5°15	17°18	21°36	1° 8	9°19	7°17	4°56	0° 6	6°33	15°41	14° 6	11°54	0°44	M10
T 11	3 19 46	18°31'46	18° 6	18°54	22°50	1°25	9°32	7°14	4°55	0° 8	6°32	15°42	14° 3	12° 1	0°47	T 11
W12	3 23 43	19°32'17	0°V41	20°29	24° 5	1°41	9°45	7°11	4°53	0° 9	6°31	15°44	14° 0	12° 8	0°49	W12
T 13	3 27 39	20°32'49	13° 3	22° 4	25°20	1°57	9°58	7° 8	4°52	0°11	6°30	15°R45	13°57	12°14	0°51	T 13
F 14	3 31 36	21°33'23	25°14	23°39	26°34	2°13	10°11	7° 6	4°50	0°13	6°28	15°45	13°54	12°21	0°54	F 14
S 15	3 35 33	22°33'58	7°18	25°13	27°49	2°27	10°24	7° 3	4°48	0°14	6°27	15°42	13°50	12°28	0°56	S 15
S 16	3 39 29	23°34'34	19°16	26°47	29° 4	2°42	10°37	7° 1	4°46	0°16	6°26	15°38	13°47	12°35	0°59	S 16
M17	3 43 26	24°35'12	1°II10	28°21	0°M19	2°56	10°50	6°58	4°45	0°17	6°25	15°32	13°44	12°41	1° 1	M17
T 18	3 47 22	25°35'52	13° 2	29°55	1°34	3° 9	11° 3	6°56	4°43	0°19	6°24	15°25	13°41	12°48	1° 4	T 18
W19	3 51 19	26°36'33	24°53	1°29	2°48	3°21	11°16	6°54	4°41	0°20	6°23	15°17	13°38	12°55	1° 7	W19
T 20	3 55 15	27°37'15	6°24	3° 3	4° 3	3°33	11°29	6°52	4°39	0°21	6°22	15° 8	13°35	13° 1	1°10	T 20
F 21	3 59 12	28°37'59	18°41	4°36	5°18	3°45	11°42	6°49	4°37	0°23	6°21	15° 1	13°31	13° 8	1°13	F 21
S 22	4 3 9	29°38'45	0°24	6°10	6°33	3°56	11°55	6°48	4°35	0°24	6°20	14°55	13°28	13°15	1°15	S 22
S 23	4 7 5	0°23'32	12°57	7°43	7°48	4° 6	12° 8	6°46	4°33	0°25	6°19	14°51	13°25	13°22	1°18	S 23
M24	4 11 2	1°40'20	25°23	9°16	9° 3	4°15	12°21	6°44	4°31	0°27	6°18	14°49	13°22	13°28	1°21	M24
T25	4 14 58	2°41'10	8°19	10°49	10°18	4°24	12°34	6°42	4°29	0°28	6°17	14°D49	13°19	13°35	1°25	T25
W26	4 18 55	3°42'01	21°16	12°22	11°33	4°32	12°47	6°41	4°27	0°29	6°16	14°50	13°16	13°42	1°28	W26
T27	4 22 51	4°42'54	4°25	13°55	12°48	4°40	12°59	6°39	4°25	0°31	6°15	14°51	13°12	13°48	1°31	T27
F 28	4 26 48	5°43'48	18°52	15°28	14° 3	4°47	13°12	6°38	4°23	0°32	6°14	14°R52	13° 9	13°55	1°34	F 28
S 29	4 30 44	6°44'44	3°M22	17° 1	15°18	4°53	13°25	6°37	4°21	0°33	6°13	14°50	13° 6	14° 2	1°37	S 29
S 30	4 34 41	7°45'40	18°M17	18°23	16°M34	4°25	13°37	6°V36	4°21	0°34	6°12	14°V46	13°V 3	14°II 8	1°41	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
S 1	14s21	10s41	0s52	11s38	0n53	2s36	1n40	22n 2	1n31	13s 5	0n58	0n36	2s43	23n40	0n17	1n19	1n22	1s41	16s21	6n18	5n46	26n22	13s24	6n51					
S 2	14 41	17 1	2 10	12 17	0 46	3 5	1 40	22 0	1 33	13 9	0 58	0 34	2 43	23 40	0 17	1 19	1 22	1 41	16 21	6 17	5 44	26 24	13 25	6 50					
M 3	15 0	22 24	3 20	12 56	0 40	3 34	1 41	21 58	1 35	13 13	0 58	0 33	2 43	23 40	0 17	1 18	1 22	1 42	16 20	6 16	5 43	26 25	13 25	6 50					
T 4	15 19	26 18	4 16	13 34	0 33	4 3	1 41	21 55	1 37	13 18	0 58	0 32	2 43	23 41	0 17	1 17	1 22	1 42	16 20	6 15	5 42	26 26	13 25	6 49					
W 5	15 37	28 19	4 54	14 12	0 26	4 31	1 41	21 53	1 39	13 22	0 58	0 31	2 43	23 41	0 17	1 16	1 22	1 42	16 20	6 14	5 41	26 28	13 25	6 49					
T 6	15 55	28 17	5 12	14 49	0 20	5 0	1 41	21 51	1 41	13 26	0 58	0 29	2 43	23 41	0 17	1 16	1 22	1 42	16 20	6 12	5 39	26 29	13 25	6 48					
F 7	16 13	26 20	5 10	15 25	0 13	5 28	1 41	21 49	1 43	13 30	0 58	0 28	2 42	23 41	0 17	1 15	1 22	1 43	16 20	6 11	5 38	26 31	13 25	6 48					
S 8	16 31	22 49	4 49	16 0	0 6	5 57	1 41	21 47	1 45	13 35	0 58	0 27	2 42	23 41	0 17	1 15	1 23	1 43	16 20	6 11	5 37	26 32	13 25	6 47					
S 9	16 49	18 10	4 12	16 35	0s 0	6 25	1 40	21 45	1 47	13 39	0 58	0 26	2 42	23 41	0 17	1 14	1 23	1 43	16 20	6 11	5 36	26 34	13 25	6 47					
M10	17 6	12 46	3 24	17 9	0 7	6 54	1 40	21 43	1 49	13 43	0 57	0 25	2 42	23 41	0 17	1 13	1 23	1 44	16 20	6 11	5 35	26 35	13 25	6 46					
T 11	17 23	6 57	2 25	17 42	0 14	7 22	1 40	21 42	1 51	13 47	0 57	0 24	2 42	23 41	0 17	1 13	1 23	1 44	16 20	6 12	5 33	26 36	13 25	6 46					
W12	17 39	0 58	1 21	18 14	0 20	7 50	1 39	21 40	1 53	13 52	0 57	0 23	2 42	23 41	0 17	1 12	1 23	1 44	16 20	6 12	5 32	26 38	13 25	6 46					
T 13	17 56	4n56	0 15	18 45	0 27	8 17	1 39	21 39	1 56	13 56	0 57	0 22	2 41	23 41	0 17	1 11	1 23	1 44	16 20	6 13	5 31	26 39	13 25	6 45					
F 14	18 12	10 35	0n52	19 16	0 33	8 45	1 38	21 37	1 58	14 0	0 57	0 21	2 41	23 41	0 17	1 11	1 23	1 45	16 20	6 13	5 30	26 40	13 25	6 45					
S 15	18 27	15 47	1 55	19 45	0 40	9 12	1 37	21 36	2 0	14 4	0 57	0 21	2 41	23 41	0 17	1 10	1 23	1 45	16 20	6 12	5 28	26 42	13 25	6 44					
S 16	18 42	20 20	2 52	20 14	0 46	9 40	1 36	21 35	2 2	14 8	0 57	0 20	2 41	23 41	0 17	1 10	1 23	1 45	16 19	6 10	5 27	26 43	13 25	6 44					
M17	18 57	24 3	3 41	20 41	0 52	10 7	1 36	21 34	2 5	14 12	0 57	0 19	2 40	23 42	0 17	1 9	1 23	1 45	16 19	6 8	5 26	26 45	13 25	6 43					
T 18	19 12	26 44	4 21	21 8	0 58	10 34	1 35	21 33	2 7	14 16	0 57	0 18	2 40	23 42	0 17	1 9	1 23	1 45	16 19	6 5	5 25	26 46	13 24	6 43					
W19	19 26	28 13	4 49	21 33	1 4	11 0	1 34	21 33	2 9	14 20	0 57	0 18	2 40	23 42	0 17	1 8	1 23	1 46	16 19	6 2	5 23	26 47	13 24	6 42					
T 20	19 40	28 24	5 5	21 57	1 10	11 27	1 33	21 32	2 12	14 24	0 57	0 17	2 40	23 42	0 17	1 8	1 23	1 46	16 19	5 59	5 22	26 49	13 24	6 42					
F 21	19 54	27 16	5 8	22 21	1 16	11 53	1 32	21 32	2 14	14 28	0 57	0 16	2 40	23 42	0 17	1 7	1 23	1 46	16 19	5 56	5 21	26 50	13 24	6 42					
S 22	20 7	24 52	4 57	22 43	1 21	12 19	1 30	21 31	2 16	14 32	0 57	0 16	2 39	23 42	0 17	1 7	1 23	1 46	16 19	5 53	5 20	26 51	13 24	6 41					
S 23	20 20	21 19	4 32	23 4	1 26	12 44	1 29	21 31	2 19	14 36	0 57	0 15	2 39	23 42	0 17	1 6	1 23	1 46	16 18	5 52	5 18	26 52	13 24	6 41					
M24	20 32	16 46	3 55	23 24	1 32	13 9	1 28	21 31	2 21	14 40	0 57	0 15	2 39	23 42	0 17	1 6	1 23	1 46	16 18	5 51	5 17	26 54	13 23	6 40					
T25	20 45	11 23	3 5	23 43	1 37	13 34	1 27	21 32	2 24	14 44	0 57	0 14	2 39	23 42	0 17	1 5	1 23	1 47	16 18	5 51	5 16	26 55	13 23	6 40					
W26	20 56	5 22	2 4	24 0	1 41	13 59	1 25	21 32	2 26	14 48	0 57	0 14	2 38	23 42	0 17	1 5	1 23	1 47	16 18	5 52	5 15	26 56	13 23	6 39					
T27	21 8	1s 6	0 54	24 16	1 46	14 23	1 24	21 33	2 29	14 52	0 57	0 14	2 38	23 42	0 17	1 4	1 23	1 47	16 18	5 52	5 13	26 58	13 22	6 39					
F 28	21 18	7 44	0s22	24 31	1 50	14 47	1 22	21 34	2 31	14 55	0 57	0 13	2 38	23 42	0 17	1 4	1 23	1 47	16 18	5 52	5 12	26 59	13 22	6 39					
S 29	21 29	14 12	1 38	24 45	1 54	15 11	1 21	21 35	2 34	14 59	0 57	0 13	2 38	23 43	0 17	1 3	1 23	1 47	16 17	5 52	5 11	27 0	13 22	6 38					
S 30	21s39	20s 1	2s49	24s57	1s58	15s34	1n19	21n36	2n37	15s 3	0n57	0n13	2s37	23n43	0n17	1n 3	1n24	1s47	16s17	5n50	5n10	27n 1	13s22	6n38					

ASTRODIENST EPHEMERIS for the year 1614
geocentric

DECEMBER 1614 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 38 38	8°46'38	3°29	20°6	17°49	5°3	13°50	6°R35	4°R16	0°35	6°R11	14°R40	13°Y 0	14°II15	1°44	M 1
T 2	4 42 34	9°47'37	18°49	21°39	19°4	5°6	14°3	6°Y34	4°R14	0°36	6°R10	14°Y32	12°56	14°22	1°48	T 2
W 3	4 46 31	10°48'38	4°5	23°11	20°19	5°9	14°15	6°33	4°12	0°37	6°9	14°23	12°53	14°29	1°51	W 3
T 4	4 50 27	11°49'38	19°7	24°43	21°34	5°12	14°28	6°32	4°9	0°38	6°9	14°14	12°50	14°35	1°55	T 4
F 5	4 54 24	12°50'40	3°45	26°15	22°49	5°13	14°40	6°32	4°7	0°39	6°8	14°7	12°47	14°42	1°58	F 5
S 6	4 58 20	13°51'42	17°56	27°47	24°5	5°R14	14°53	6°31	4°5	0°40	6°7	14°1	12°44	14°49	2°2	S 6
S 7	5 2 17	14°52'44	1°36	29°19	25°20	5°14	15°5	6°31	4°2	0°41	6°6	13°58	12°41	14°55	2°5	S 7
M 8	5 6 13	15°53'47	14°49	0°50	26°35	5°13	15°17	6°31	4°0	0°42	6°5	13°D58	12°37	15°2	2°9	M 8
T 9	5 10 10	16°54'51	27°38	2°20	27°50	5°12	15°29	6°31	3°57	0°43	6°4	13°58	12°34	15°9	2°13	T 9
W10	5 14 7	17°55'54	10°Y 6	3°50	29°6	5°9	15°42	6°D31	3°55	0°43	6°3	13°R59	12°31	15°16	2°17	W10
T 11	5 18 3	18°56'58	22°19	5°20	0°21	5°6	15°54	6°31	3°52	0°44	6°3	13°58	12°28	15°22	2°21	T 11
F 12	5 22 0	19°58'03	4°B 21	6°48	1°36	5°2	16°6	6°31	3°50	0°45	6°2	13°56	12°25	15°29	2°24	F 12
S 13	5 25 56	20°59'08	16°16	8°16	2°51	4°57	16°18	6°31	3°47	0°46	6°1	13°51	12°22	15°36	2°28	S 13
S 14	5 29 53	22°0'14	28°8	9°42	4°7	4°51	16°30	6°32	3°45	0°46	6°0	13°44	12°18	15°42	2°32	S 14
M15	5 33 49	23°1'20	9°II59	11°7	5°22	4°45	16°42	6°32	3°42	0°47	6°0	13°33	12°15	15°49	2°36	M15
T 16	5 37 46	24°2'26	21°51	12°30	6°37	4°37	16°53	6°33	3°40	0°48	5°59	13°20	12°12	15°56	2°40	T 16
W17	5 41 42	25°3'33	3°B 45	13°51	7°53	4°29	17°5	6°34	3°37	0°48	5°58	13°6	12°9	16°3	2°44	W17
T 18	5 45 39	26°4'40	15°42	15°10	9°8	4°20	17°17	6°35	3°35	0°49	5°58	12°52	12°6	16°9	2°49	T 18
F 19	5 49 36	27°5'48	27°45	16°26	10°23	4°10	17°29	6°36	3°32	0°49	5°57	12°39	12°3	16°16	2°53	F 19
S 20	5 53 32	28°6'56	9°Q 54	17°39	11°38	4°0	17°40	6°37	3°30	0°50	5°56	12°28	11°59	16°23	2°57	S 20
S 21	5 57 29	29°8'05	22°11	18°48	12°54	3°48	17°52	6°38	3°27	0°50	5°56	12°20	11°56	16°29	3°1	S 21
M22	6 1 25	0°9'14	4°II 40	19°52	14°9	3°36	18°3	6°39	3°25	0°51	5°55	12°15	11°53	16°36	3°5	M22
T 23	6 5 22	1°10'24	17°23	20°51	15°25	3°23	18°14	6°41	3°22	0°51	5°54	12°13	11°50	16°43	3°10	T 23
W24	6 9 18	2°11'34	0°A 25	21°45	16°40	3°9	18°26	6°42	3°19	0°51	5°54	12°D12	11°47	16°49	3°14	W24
T 25	6 13 15	3°12'44	13°49	22°31	17°55	2°54	18°37	6°44	3°17	0°51	5°53	12°R12	11°43	16°56	3°18	T 25
F 26	6 17 11	4°13'55	27°37	23°10	19°11	2°39	18°48	6°46	3°14	0°52	5°53	12°11	11°40	17°3	3°23	F 26
S 27	6 21 8	5°15'07	11°II52	23°41	20°26	2°22	18°59	6°47	3°12	0°52	5°52	12°9	11°37	17°10	3°27	S 27
S 28	6 25 5	6°16'18	26°33	24°2	21°41	2°5	19°10	6°49	3°9	0°52	5°52	12°4	11°34	17°16	3°32	S 28
M29	6 29 1	7°17'30	11°A 34	24°R12	22°57	1°48	19°21	6°51	3°6	0°52	5°51	11°56	11°31	17°23	3°36	M29
T 30	6 32 58	8°18'42	26°48	24°12	24°12	1°30	19°32	6°54	3°4	0°52	5°51	11°45	11°28	17°30	3°41	T 30
W31	6 36 54	9°19'55	12°B 4	24°B 0	25°27	1°Q 11	19°M 43	6°Y 56	3°B 1	0°53	5°50	11°Y 33	11°Y 24	17°II36	3°45	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	21s49	24s40	3s50	25s 8	2s 1	15s56	1n17	21n37	2n39	15s 7	0n57	0n13	2s37	23n43	0n17	1n 3
T 2	21 58	27 35	4 35	25 18	2 4	16 19	1 16	21 39	2 42	15 11	0 57	0 13	2 37	23 43	0 17	1 2
W 3	22 7	28 26	5 0	25 26	2 7	16 41	1 14	21 41	2 44	15 14	0 57	0 13	2 37	23 43	0 17	1 2
T 4	22 15	27 8	5 4	25 33	2 10	17 2	1 12	21 43	2 47	15 18	0 57	0 13	2 36	23 43	0 17	1 2
F 5	22 23	24 0	4 47	25 38	2 12	17 23	1 10	21 45	2 50	15 22	0 57	0 13	2 36	23 43	0 17	1 1
S 6	22 31	19 31	4 14	25 42	2 14	17 44	1 8	21 47	2 52	15 25	0 57	0 13	2 36	23 43	0 17	1 1
S 7	22 38	14 8	3 26	25 45	2 15	18 4	1 6	21 50	2 55	15 29	0 57	0 13	2 36	23 43	0 17	1 1
M 8	22 45	8 17	2 29	25 45	2 16	18 24	1 4	21 53	2 58	15 32	0 57	0 13	2 35	23 43	0 18	1 0
T 9	22 51	2 16	1 26	25 45	2 17	18 43	1 2	21 56	3 1	15 36	0 58	0 13	2 35	23 43	0 18	1 0
W10	22 57	3n41	0 21	25 43	2 17	19 1	1 0	21 59	3 3	15 39	0 58	0 13	2 35	23 44	0 18	1 0
T 11	23 2	9 23	0n44	25 39	2 16	19 19	0 58	22 2	3 6	15 43	0 58	0 14	2 35	23 44	0 18	0 59
F 12	23 7	14 40	1 46	25 34	2 15	19 37	0 56	22 6	3 9	15 46	0 58	0 14	2 34	23 44	0 18	0 59
S 13	23 11	19 20	2 43	25 27	2 13	19 54	0 54	22 10	3 11	15 50	0 58	0 14	2 34	23 44	0 18	0 59
S 14	23 15	23 14	3 32	25 19	2 11	20 10	0 51	22 14	3 14	15 53	0 58	0 15	2 34	23 44	0 18	0 59
M15	23 18	26 8	4 11	25 9	2 8	20 26	0 49	22 18	3 17	15 56	0 58	0 15	2 34	23 44	0 18	0 59
T 16	23 21	27 54	4 40	24 58	2 4	20 41	0 47	22 23	3 20	16 0	0 58	0 16	2 33	23 44	0 18	0 58
W17	23 24	28 43	4 56	24 45	2 0	20 56	0 45	22 27	3 22	16 3	0 58	0 16	2 33	23 44	0 18	0 58
T 18	23 26	27 32	5 0	24 31	1 55	21 10	0 42	22 32	3 25	16 6	0 58	0 17	2 33	23 44	0 18	0 58
F 19	23 28	25 24	4 50	24 16	1 48	21 24	0 40	22 37	3 28	16 10	0 58	0 17	2 32	23 44	0 18	0 58
S 20	23 29	22 6	4 27	24 0	1 41	21 37	0 38	22 42	3 30	16 13	0 58	0 18	2 32	23 44	0 18	0 58
S 21	23 29	17 48	3 52	23 42	1 33	21 49	0 35	22 47	3 33	16 16	0 58	0 19	2 32	23 44	0 18	0 58
M22	23 29	12 41	3 4	23 24	1 24	22 0	0 33	22 53	3 35	16 19	0 58	0 20	2 32	23 45	0 18	0 58
T 23	23 29	6 57	2 7	23 5	1 14	22 11	0 30	22 58	3 38	16 22	0 58	0 20	2 31	23 45	0 18	0 57
W24	23 28	0 47	1 2	22 46	1 3	22 22	0 28	23 4	3 40	16 25	0 58	0 21	2 31	23 45	0 18	0 57
T 25	23 27	5s35	0s 9	22 26	0 50	22 31	0 25	23 10	3 43	16 28	0 58	0 22	2 31	23 45	0 18	0 57
F 26	23 25	11 54	1 21	22 6	0 36	22 40	0 23	23 16	3 45	16 31	0 58	0 23	2 31	23 45	0 18	0 57
S 27	23 23	17 48	2 30	21 46	0 22	22 48	0 20	23 22	3 48	16 34	0 58	0 24	2 30	23 45	0 18	0 57
S 28	23 21	22 51	3 31	21 27	0 6	22 56	0 18	23 28	3 50	16 37	0 58	0 25	2 30	23 45	0 18	0 57
M29	23 17	26 30	4 19	21 8	0n11	23 3	0 16	23 34	3 52	16 40	0 58	0 26	2 30	23 45	0 18	0 57
T 30	23 14	28 17	4 50	20 51	0 29	23 9	0 13	23 41	3 55	16 43	0 58	0 27	2 30	23 45	0 18	0 57
W31	23s10	27s55	5s 0	20s34	0n48	23s14	0n11	23n47	3n57	16s46	0n59	0n28	2s29	23n45	0n18	0n57

Julian Day Number = 2310895.5, Delta T = 71.47 sec
Ecliptic obliquity = 23°29'30", Nutation = - 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'57", Lahiri = 18°28'57"Greg. Calendar