



Astrodienst Ephemeris Tables for the year 1458

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 1458

geocentric

JANUARY 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 16 27	19°38'43	18°38	25°51	10°1	18°41	28°R59	22°31	23°R24	15°29	16°R52	15°R50	17°26	20°26	8°R39	S 1
M 2	7 20 24	20°39'48	13°58	26°38	11°14	19°27	28°54	22°37	23°22	15°30	16°51	15°43	17°23	20°33	8°37	M 2
T 3	7 24 21	21°40'52	26° 6	27°29	12°26	20°14	28°49	22°44	23°20	15°30	16°50	15°38	17°20	20°39	8°34	T 3
W 4	7 28 17	22°41'56	8°3	28°24	13°38	21° 1	28°44	22°50	23°18	15°30	16°48	15°36	17°17	20°46	8°32	W 4
T 5	7 32 14	23°42'59	19°53	29°22	14°51	21°48	28°39	22°57	23°16	15°30	16°47	15°D36	17°13	20°53	8°30	T 5
F 6	7 36 10	24°44'02	1°40	0°23	16° 3	22°35	28°34	23° 3	23°13	15°30	16°46	15°37	17°10	20°59	8°27	F 6
S 7	7 40 7	25°45'04	13°29	1°26	17°16	23°22	28°28	23° 9	23°11	15°30	16°44	15°38	17° 7	21° 6	8°25	S 7
S 8	7 44 3	26°46'05	25°25	2°32	18°28	24° 9	28°22	23°16	23° 9	15°R30	16°43	15°R39	17° 4	21°13	8°22	S 8
M 9	7 48 0	27°47'06	7°33	3°41	19°41	24°55	28°16	23°22	23° 7	15°30	16°42	15°38	17° 1	21°19	8°19	M 9
T 10	7 51 56	28°48'07	19°59	4°51	20°54	25°42	28°11	23°28	23° 4	15°30	16°40	15°36	16°57	21°26	8°16	T 10
W11	7 55 53	29°49'07	2°46	6° 4	22° 6	26°29	28° 4	23°34	23° 2	15°30	16°39	15°31	16°54	21°33	8°14	W11
T 12	7 59 50	0°50'06	15°59	7°18	23°19	27°16	27°58	23°40	23° 0	15°30	16°38	15°25	16°51	21°39	8°10	T 12
F 13	8 3 46	1°51'04	29°38	8°33	24°32	28° 4	27°52	23°46	22°57	15°30	16°36	15°18	16°48	21°46	8° 7	F 13
S 14	8 7 43	2°52'02	13°42	9°51	25°45	28°51	27°45	23°52	22°55	15°29	16°35	15°11	16°45	21°52	8° 4	S 14
S 15	8 11 39	3°52'58	28° 7	11° 9	26°58	29°38	27°39	23°58	22°52	15°29	16°33	15° 4	16°42	21°59	8° 1	S 15
M16	8 15 36	4°53'54	12°48	12°29	28°11	0°25	27°32	24° 4	22°50	15°29	16°32	14°59	16°38	22° 6	7°57	M16
T 17	8 19 32	5°54'48	27°36	13°50	29°23	1°12	27°25	24°10	22°48	15°29	16°30	14°56	16°35	22°12	7°54	T 17
W18	8 23 29	6°55'41	12°4	15°12	0°36	1°59	27°18	24°16	22°45	15°28	16°29	14°D54	16°32	22°19	7°50	W18
T 19	8 27 25	7°56'32	27° 6	16°35	1°49	2°46	27°11	24°22	22°43	15°28	16°28	14°55	16°29	22°26	7°47	T 19
F 20	8 31 22	8°57'22	11°35	18° 0	3° 3	3°33	27° 4	24°27	22°40	15°27	16°26	14°56	16°26	22°32	7°43	F 20
S 21	8 35 19	9°58'11	25°49	19°25	4°16	4°21	26°57	24°33	22°38	15°27	16°25	14°58	16°23	22°39	7°39	S 21
S 22	8 39 15	10°58'58	9°46	20°52	5°29	5° 8	26°49	24°39	22°35	15°27	16°23	14°R58	16°19	22°46	7°35	S 22
M23	8 43 12	11°59'43	23°26	22°19	6°42	5°55	26°42	24°44	22°32	15°26	16°22	14°58	16°16	22°52	7°31	M23
T 24	8 47 8	13° 0'27	6°49	23°47	7°55	6°42	26°35	24°50	22°30	15°26	16°20	14°56	16°13	22°59	7°28	T 24
W25	8 51 5	14° 1'09	19°58	25°16	9° 8	7°29	26°27	24°55	22°27	15°25	16°19	14°52	16°10	23° 6	7°23	W25
T 26	8 55 1	15° 1'50	2°52	26°46	10°21	8°17	26°19	25° 0	22°25	15°24	16°17	14°47	16° 7	23°12	7°19	T 26
F 27	8 58 58	16° 2'29	15°33	28°17	11°35	9° 4	26°12	25° 6	22°22	15°24	16°16	14°42	16° 3	23°19	7°15	F 27
S 28	9 2 54	17° 3'06	28° 2	29°49	12°48	9°51	26° 4	25°11	22°20	15°23	16°14	14°37	16° 0	23°25	7°11	S 28
S 29	9 6 51	18° 3'42	10°20	1°22	14° 1	10°38	25°56	25°16	22°17	15°22	16°13	14°33	15°57	23°32	7° 7	S 29
M30	9 10 48	19° 4'16	22°28	2°55	15°15	11°26	25°49	25°21	22°14	15°22	16°11	14°30	15°54	23°39	7° 2	M30
T 31	9 14 44	20° 4'49	4°27	4°30	16°28	12°13	25°41	25°26	22°12	15°21	16°10	14°28	15°51	23°45	6°58	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	22s 4	16n23	3s33	21s24	2n 3	20s 5	1n57	23s10	0s58	12n56	1n 9	22s11	1n 7	14n29	0n46	4s33
M 2	21 55	14 6	2 41	21 35	1 53	20 18	1 54	23 3	0 58	12 58	1 9	22 11	1 7	14 29	0 46	4 33
T 3	21 45	11 14	1 43	21 46	1 43	20 30	1 52	22 57	0 59	13 0	1 10	22 11	1 7	14 30	0 46	4 33
W 4	21 35	7 57	0 41	21 57	1 33	20 42	1 49	22 50	0 59	13 2	1 10	22 12	1 7	14 31	0 46	4 33
T 5	21 25	4 22	0n23	22 7	1 24	20 52	1 47	22 43	0 59	13 4	1 10	22 12	1 7	14 31	0 46	4 33
F 6	21 14	0 39	1 26	22 17	1 14	21 3	1 44	22 35	1 0	13 6	1 10	22 13	1 7	14 32	0 46	4 33
S 7	21 3	3s 7	2 25	22 26	1 4	21 13	1 41	22 28	1 0	13 8	1 10	22 13	1 7	14 33	0 46	4 33
S 8	20 52	6 47	3 18	22 34	0 55	21 22	1 39	22 20	1 0	13 11	1 11	22 13	1 7	14 34	0 46	4 33
M 9	20 40	10 13	4 4	22 42	0 45	21 31	1 36	22 12	1 0	13 13	1 11	22 13	1 7	14 34	0 46	4 33
T 10	20 27	13 18	4 39	22 49	0 36	21 39	1 33	22 3	1 1	13 15	1 11	22 14	1 7	14 35	0 46	4 33
W11	20 15	15 50	5 2	22 55	0 27	21 46	1 30	21 55	1 1	13 17	1 11	22 14	1 7	14 36	0 46	4 33
T 12	20 2	17 38	5 9	23 0	0 18	21 53	1 27	21 46	1 1	13 20	1 12	22 14	1 7	14 37	0 46	4 33
F 13	19 48	18 31	5 0	23 5	0 9	21 59	1 24	21 37	1 1	13 22	1 12	22 15	1 7	14 38	0 46	4 33
S 14	19 34	18 17	4 32	23 8	0 1	22 5	1 21	21 27	1 2	13 25	1 12	22 15	1 7	14 38	0 46	4 33
S 15	19 20	16 53	3 47	23 10	0s 8	22 10	1 18	21 18	1 2	13 27	1 12	22 15	1 7	14 39	0 46	4 32
M16	19 6	14 22	2 46	23 11	0 16	22 14	1 15	21 8	1 2	13 30	1 12	22 16	1 7	14 40	0 46	4 32
T 17	18 51	10 53	1 33	23 11	0 24	22 18	1 12	20 58	1 2	13 32	1 12	22 16	1 7	14 41	0 46	4 32
W18	18 36	6 43	0 14	23 9	0 31	22 21	1 9	20 47	1 3	13 35	1 13	22 16	1 7	14 42	0 46	4 32
T 19	18 20	2 10	1s 6	23 7	0 39	22 24	1 6	20 37	1 3	13 37	1 13	22 16	1 7	14 43	0 46	4 32
F 20	18 4	2n26	2 21	23 3	0 46	22 25	1 3	20 26	1 3	13 40	1 13	22 16	1 7	14 43	0 46	4 32
S 21	17 48	6 49	3 25	23 58	0 53	22 26	1 0	20 15	1 3	13 43	1 13	22 17	1 7	14 44	0 46	4 31
S 22	17 31	10 44	4 16	22 52	1 0	22 27	0 57	20 4	1 3	13 45	1 13	22 17	1 7	14 45	0 46	4 31
M23	17 15	13 59	4 51	22 44	1 6	22 27	0 54	19 52	1 3	13 48	1 13	22 17	1 7	14 46	0 46	4 31
T 24	16 58	16 25	5 10	22 35	1 12	22 26	0 50	19 41	1 4	13 51	1 14	22 17	1 7	14 47	0 46	4 31
W25	16 40	17 57	5 12	22 25	1 18	22 24	0 47	19 29	1 4	13 53	1 14	22 18	1 7	14 48	0 46	4 30
T 26	16 22	18 31	4 58	22 14	1 23	22 22	0 44	19 17	1 4	13 56	1 14	22 18	1 7	14 48	0 46	4 30
F 27	16 4	18 9	4 29	22 1	1 29	22 19	0 41	19 4	1 4	13 59	1 14	22 18	1 7	14 49	0 46	4 30
S 28	15 46	16 53	3 48	21 46	1 34	22 16	0 38	18 52	1 4	14 2	1 14	22 18	1 7	14 50	0 46	4 29
S 29	15 28	14 52	2 57	21 31	1 38	22 12	0 34	18 39	1 4	14 4	1 14	22 18	1 7	14 51	0 46	4 29
M30	15 9	12 12	1 58	21 14	1 43	22 7	0 31	18 26	1 5	14 7	1 14	22 18	1 7	14 52	0 46	4 29
T 31	14s50	9n 3	0s55	20s55	1s47	22s 1	0n28	18s13	1s 5	14n10	1n15	22s19	1n 7	14n53	0n46	4s28

Julian Day Number = 2253592.5, Delta T = 06m15s

Ecliptic obliquity = 23°30'25", Nutation = - 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°10'43", Lahiri = 16°17'44" Julian Calendar 1 Jan. 1458 == Greg. Calendar 10 Jan. 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

FEBRUARY 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	9 18 41	21° 5' 20"	16° 20'	6° 5'	17° 34'	13° 0'	25° 33'	25° 31'	22° 9'	15° 20'	16° 8'	14° 28'	15° 48'	23° 52'	6° 54'	W 1
T 2	9 22 37	22° 5' 49"	28° 8'	7° 42'	18° 55'	13° 48'	25° 25'	25° 36'	22° 6'	15° 19'	16° 7'	14° 29'	15° 44'	23° 59'	6° 49'	T 2
F 3	9 26 34	23° 6' 17"	9° 55'	9° 19'	20° 8'	14° 35'	25° 17'	25° 41'	22° 4'	15° 19'	16° 5'	14° 30'	15° 41'	24° 5'	6° 45'	F 3
S 4	9 30 30	24° 6' 44"	21° 45'	10° 57'	21° 21'	15° 22'	25° 9'	25° 46'	22° 1'	15° 18'	16° 4'	14° 32'	15° 38'	24° 12'	6° 40'	S 4
S 5	9 34 27	25° 7' 10"	3° 41'	12° 36'	22° 35'	16° 9'	25° 1'	25° 50'	21° 59'	15° 17'	16° 3'	14° 33'	15° 35'	24° 19'	6° 35'	S 5
M 6	9 38 23	26° 7' 33"	15° 48'	14° 16'	23° 48'	16° 57'	24° 54'	25° 55'	21° 56'	15° 16'	16° 1'	14° 34'	15° 32'	24° 25'	6° 31'	M 6
T 7	9 42 20	27° 7' 56"	28° 10'	15° 57'	25° 2'	17° 44'	24° 46'	26° 0'	21° 53'	15° 15'	16° 0'	14° 35'	15° 29'	24° 32'	6° 26'	T 7
W 8	9 46 16	28° 8' 17"	10° 53'	17° 39'	26° 15'	18° 31'	24° 38'	26° 4'	21° 51'	15° 14'	15° 58'	14° 34'	15° 25'	24° 39'	6° 21'	W 8
T 9	9 50 13	29° 8' 37"	24° 1'	19° 22'	27° 29'	19° 19'	24° 30'	26° 8'	21° 48'	15° 13'	15° 57'	14° 33'	15° 22'	24° 45'	6° 17'	T 9
F 10	9 54 10	0° 8' 55"	7° 34'	21° 6'	28° 42'	20° 6'	24° 22'	26° 13'	21° 45'	15° 12'	15° 55'	14° 32'	15° 19'	24° 52'	6° 12'	F 10
S 11	9 58 6	1° 9' 12"	21° 36'	22° 51'	29° 56'	20° 53'	24° 14'	26° 17'	21° 43'	15° 11'	15° 54'	14° 30'	15° 16'	24° 59'	6° 7'	S 11
S 12	10 2 3	2° 9' 27"	6° 3'	24° 37'	1° 10'	21° 41'	24° 6'	26° 21'	21° 40'	15° 10'	15° 53'	14° 28'	15° 13'	25° 5'	6° 3'	S 12
M13	10 5 59	3° 9' 40"	20° 51'	26° 24'	2° 23'	22° 28'	23° 59'	26° 25'	21° 38'	15° 9'	15° 51'	14° 27'	15° 9'	25° 12'	5° 58'	M13
T 14	10 9 56	4° 9' 52"	5° 53'	28° 12'	3° 37'	23° 15'	23° 51'	26° 29'	21° 35'	15° 8'	15° 50'	14° 26'	15° 6'	25° 18'	5° 53'	T 14
W15	10 13 52	5° 10' 02"	21° 1'	0° 1'	4° 50'	24° 3'	23° 43'	26° 33'	21° 33'	15° 6'	15° 48'	14° 26'	15° 3'	25° 25'	5° 48'	W15
T 16	10 17 49	6° 10' 09"	6° 5'	1° 52'	6° 4'	24° 50'	23° 36'	26° 37'	21° 30'	15° 5'	15° 47'	14° 27'	15° 0'	25° 32'	5° 43'	T 16
F 17	10 21 45	7° 10' 15"	20° 57'	3° 43'	7° 17'	25° 37'	23° 28'	26° 41'	21° 28'	15° 4'	15° 46'	14° 27'	14° 57'	25° 38'	5° 39'	F 17
S 18	10 25 42	8° 10' 19"	5° 31'	5° 35'	8° 31'	26° 24'	23° 21'	26° 44'	21° 25'	15° 3'	15° 44'	14° 28'	14° 54'	25° 45'	5° 34'	S 18
S 19	10 29 39	9° 10' 20"	19° 42'	7° 28'	9° 45'	27° 12'	23° 13'	26° 48'	21° 23'	15° 2'	15° 43'	14° 28'	14° 50'	25° 52'	5° 29'	S 19
M20	10 33 35	10° 10' 19"	3° 22'	9° 23'	10° 58'	27° 59'	23° 6'	26° 52'	21° 20'	15° 0'	15° 42'	14° 29'	14° 47'	25° 58'	5° 24'	M20
T 21	10 37 32	11° 10' 16"	16° 52'	11° 18'	12° 12'	28° 46'	22° 59'	26° 55'	21° 18'	14° 59'	15° 40'	14° 29'	14° 44'	26° 5'	5° 20'	T 21
W22	10 41 28	12° 10' 11"	29° 54'	13° 14'	13° 26'	29° 34'	22° 52'	26° 58'	21° 15'	14° 58'	15° 39'	14° 28'	14° 41'	26° 12'	5° 15'	W22
T 23	10 45 25	13° 10' 04"	12° 33'	15° 11'	14° 39'	0° 1'	22° 45'	27° 2'	21° 13'	14° 56'	15° 38'	14° 28'	14° 38'	26° 18'	5° 10'	T 23
F 24	10 49 21	14° 9' 54"	25° 3'	17° 9'	15° 53'	1° 8'	22° 38'	27° 5'	21° 11'	14° 55'	15° 36'	14° 28'	14° 34'	26° 25'	5° 5'	F 24
S 25	10 53 18	15° 9' 42"	7° 17'	19° 7'	17° 7'	1° 55'	22° 31'	27° 8'	21° 8'	14° 54'	15° 35'	14° 28'	14° 31'	26° 32'	5° 1'	S 25
S 26	10 57 14	16° 9' 28"	19° 21'	21° 6'	18° 20'	2° 42'	22° 24'	27° 11'	21° 6'	14° 52'	15° 34'	14° 28'	14° 28'	26° 38'	4° 56'	S 26
M27	11 1 11	17° 9' 12"	1° 18'	23° 5'	19° 34'	3° 30'	22° 18'	27° 14'	21° 4'	14° 51'	15° 33'	14° 29'	14° 25'	26° 45'	4° 51'	M27
T 28	11 5 8	18° 8' 53"	13° 10'	25° 4'	20° 47'	4° 17'	22° 11'	27° 17'	21° 1'	14° 50'	15° 32'	14° 29'	14° 22'	26° 52'	4° 47'	T 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
W 1	14s31	5n34	0n10	20s35	1s50	21s55	0n25	18s 0	1s 5	14n13	1n15	22s19	1n 7	14n54	0n46	4s28
T 2	14 11	1 53	1 15	20 14	1 54	21 49	0 22	17 46	1 5	14 15	1 15	22 19	1 7	14 54	0 46	4 28
F 3	13 51	1s51	2 16	19 51	1 57	21 41	0 19	17 32	1 5	14 18	1 15	22 19	1 7	14 55	0 46	4 27
S 4	13 31	5 32	3 12	19 27	1 59	21 33	0 15	17 19	1 5	14 21	1 15	22 19	1 7	14 56	0 46	4 27
S 5	13 11	9 1	4 0	19 1	2 2	21 24	0 12	17 4	1 5	14 24	1 15	22 19	1 7	14 57	0 46	4 27
M 6	12 51	12 11	4 38	18 34	2 4	21 15	0 9	16 50	1 5	14 26	1 15	22 19	1 7	14 58	0 46	4 26
T 7	12 30	14 52	5 4	18 5	2 5	21 5	0 6	16 36	1 5	14 29	1 15	22 19	1 7	14 59	0 46	4 26
W 8	12 9	16 55	5 16	17 35	2 6	20 55	0 3	16 21	1 5	14 32	1 15	22 20	1 7	15 0	0 46	4 25
T 9	11 48	18 10	5 13	17 4	2 7	20 43	0 0	16 6	1 5	14 35	1 15	22 20	1 7	15 0	0 46	4 25
F 10	11 27	18 26	4 52	16 31	2 7	20 32	0s 3	15 52	1 5	14 37	1 15	22 20	1 7	15 1	0 46	4 25
S 11	11 6	17 36	4 13	15 56	2 7	20 19	0 6	15 36	1 6	14 40	1 16	22 20	1 7	15 2	0 46	4 24
S 12	10 44	15 37	3 17	15 20	2 6	20 6	0 9	15 21	1 6	14 43	1 16	22 20	1 7	15 3	0 46	4 24
M13	10 22	12 34	2 7	14 43	2 5	19 53	0 12	15 6	1 6	14 45	1 16	22 20	1 8	15 4	0 46	4 23
T 14	10 1	8 39	0 47	14 4	2 4	19 38	0 15	14 50	1 6	14 48	1 16	22 20	1 8	15 5	0 46	4 23
W15	9 39	4 8	0s37	13 23	2 2	19 24	0 18	14 35	1 6	14 50	1 16	22 20	1 8	15 5	0 46	4 22
T 16	9 16	0n38	1 58	12 42	1 59	19 8	0 20	14 19	1 6	14 53	1 16	22 20	1 8	15 6	0 46	4 22
F 17	8 54	5 16	3 9	11 58	1 56	18 53	0 23	14 3	1 6	14 56	1 16	22 20	1 8	15 7	0 46	4 21
S 18	8 32	9 30	4 8	11 14	1 52	18 36	0 26	13 47	1 6	14 58	1 16	22 20	1 8	15 8	0 46	4 21
S 19	8 9	13 4	4 49	10 28	1 48	18 19	0 29	13 30	1 6	15 0	1 16	22 20	1 8	15 9	0 46	4 20
M20	7 47	15 48	5 12	9 41	1 44	18 2	0 31	13 14	1 6	15 3	1 16	22 20	1 8	15 9	0 46	4 20
T 21	7 24	17 35	5 18	8 52	1 38	17 44	0 34	12 58	1 6	15 5	1 16	22 20	1 8	15 10	0 46	4 19
W22	7 1	18 24	5 7	8 2	1 33	17 25	0 37	12 41	1 6	15 8	1 16	22 21	1 8	15 11	0 46	4 19
T 23	6 38	18 15	4 41	7 11	1 26	17 6	0 39	12 24	1 6	15 10	1 16	22 21	1 8	15 12	0 46	4 18
F 24	6 15	17 13	4 2	6 19	1 19	16 47	0 42	12 7	1 5	15 12	1 16	22 21	1 8	15 12	0 46	4 17
S 25	5 52	15 24	3 13	5 25	1 12	16 27	0 44	11 50	1 5	15 14	1 16	22 21	1 8	15 13	0 46	4 17
S 26	5 29	12 55	2 15	4 31	1 4	16 7	0 47	11 33	1 5	15 17	1 16	22 21	1 8	15 14	0 46	4 16
M27	5 5	9 55	1 13	3 36	0 55	15 46	0 49	11 16	1 5	15 19	1 16	22 21	1 8	15 15	0 46	4 16
T 28	4s42	6n31	0s 7	2s40	0s46	15s25	0s51	10s59	1s 5	15n21	1n16	22s21	1n 8	15n15	0n46	4s15

Julian Day Number = 2253623.5, Delta T = 06m15s

Ecliptic obliquity = 23°30'26", Nutation = - 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°10'48", Lahiri = 16°17'48" Julian Calendar 1 Feb. 1458 == Greg. Calendar 10 Feb. 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

MARCH 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 9 4	19°8'33"	24°58'	27°33'	22°28' 1	5°34' 4	22°R 5	27°19'	20°R59	14°R48	15°R30	14°R29	14°19'	26°58'	4°R42	W 1
T 2	11 13 1	20° 8'10"	6°46'	29° 2	23°15'	5°51'	21°58'	27°22'	20°57'	14°47'	15°29'	14°28'	14°15'	27° 5	4°38'	T 2
F 3	11 16 57	21° 7'46"	18°36'	1°0'	24°29'	6°38'	21°52'	27°25'	20°55'	14°45'	15°28'	14°27'	14°12'	27°11'	4°33'	F 3
S 4	11 20 54	22° 7'20"	0°12'29"	2°58'	25°42'	7°25'	21°46'	27°27'	20°53'	14°44'	15°27'	14°26'	14° 9	27°18'	4°29'	S 4
S 5	11 24 50	23° 6'51"	12°30'	4°53'	26°56'	8°12'	21°40'	27°29'	20°51'	14°42'	15°26'	14°25'	14° 6	27°25'	4°25'	S 5
M 6	11 28 47	24° 6'21"	24°40'	6°48'	28°10'	8°59'	21°35'	27°32'	20°49'	14°41'	15°25'	14°24'	14° 3	27°31'	4°20'	M 6
T 7	11 32 43	25° 5'50"	7°44'	8°40'	29°23'	9°46'	21°29'	27°34'	20°46'	14°39'	15°24'	14°23'	14° 0	27°38'	4°16'	T 7
W 8	11 36 40	26° 5'16"	19°44'	10°29'	0°37'	10°33'	21°24'	27°36'	20°44'	14°38'	15°23'	14°23'	13°56'	27°45'	4°12'	W 8
T 9	11 40 37	27° 4'41"	2°34'55"	12°16'	1°51'	11°20'	21°18'	27°38'	20°43'	14°36'	15°22'	14°D23	13°53'	27°51'	4° 7	T 9
F 10	11 44 33	28° 4'04"	16°10'	13°59'	3° 4	12° 7	21°13'	27°40'	20°41'	14°35'	15°20'	14°23'	13°50'	27°58'	4° 3	F 10
S 11	11 48 30	29° 3'25"	0°00'	15°38'	4°18'	12°54'	21° 8	27°42'	20°39'	14°33'	15°19'	14°24'	13°47'	28° 5	3°59'	S 11
S 12	11 52 26	0°00'	14°16'	17°13'	5°32'	13°41'	21° 3	27°43'	20°37'	14°31'	15°19'	14°25'	13°44'	28°11'	3°55'	S 12
M13	11 56 23	1° 2'01"	28°56'	18°44'	6°46'	14°28'	20°59'	27°45'	20°35'	14°30'	15°18'	14°26'	13°40'	28°18'	3°51'	M13
T 14	12 0 19	2° 1'17"	13°55'	20° 9	7°59'	15°15'	20°54'	27°46'	20°33'	14°28'	15°17'	14°R27	13°37'	28°25'	3°47'	T 14
W15	12 4 16	3° 0'30"	29° 6	21°29'	9°13'	16° 2	20°50'	27°48'	20°32'	14°27'	15°16'	14°26'	13°34'	28°31'	3°44'	W15
T 16	12 8 12	3°59'42"	14°19'	22°44'	10°27'	16°49'	20°46'	27°49'	20°30'	14°25'	15°15'	14°25'	13°31'	28°38'	3°40'	T 16
F 17	12 12 9	4°58'51"	29°25'	23°53'	11°40'	17°36'	20°42'	27°50'	20°28'	14°23'	15°14'	14°22'	13°28'	28°45'	3°36'	F 17
S 18	12 16 5	5°57'58"	14°14'	24°56'	12°54'	18°23'	20°38'	27°52'	20°27'	14°22'	15°13'	14°20'	13°25'	28°51'	3°33'	S 18
S 19	12 20 2	6°57'03"	28°40'	25°52'	14° 8	19° 9	20°34'	27°53'	20°25'	14°20'	15°12'	14°17'	13°21'	28°58'	3°29'	S 19
M20	12 23 59	7°56'06"	12°11'39"	26°42'	15°22'	19°56'	20°31'	27°54'	20°23'	14°19'	15°11'	14°14'	13°18'	29° 4	3°26'	M20
T 21	12 27 55	8°55'06"	26°10'	27°25'	16°35'	20°43'	20°27'	27°54'	20°22'	14°17'	15°11'	14°12'	13°15'	29°11'	3°22'	T 21
W22	12 31 52	9°54'04"	9°54'14"	28° 2	17°49'	21°29'	20°24'	27°55'	20°21'	14°15'	15°10'	14°D12	13°12'	29°18'	3°19'	W22
T 23	12 35 48	10°52'59"	21°55'	28°32'	19° 3	22°16'	20°21'	27°56'	20°19'	14°14'	15° 9	14°12'	13° 9	29°24'	3°16'	T 23
F 24	12 39 45	11°51'53"	4°12'17"	28°56'	20°16'	23° 3	20°19'	27°56'	20°18'	14°12'	15° 9	14°14'	13° 5	29°31'	3°13'	F 24
S 25	12 43 41	12°50'44"	16°24'	29°12'	21°30'	23°49'	20°16'	27°57'	20°17'	14°10'	15° 8	14°15'	13° 2	29°38'	3°10'	S 25
S 26	12 47 38	13°49'32"	28°20'	29°22'	22°44'	24°36'	20°14'	27°57'	20°15'	14° 9	15° 7	14°17'	12°59'	29°44'	3° 7	S 26
M27	12 51 34	14°48'19"	10°10'	29°R26	23°57'	25°22'	20°11'	27°57'	20°14'	14° 7	15° 7	14°R18	12°56'	29°51'	3° 4	M27
T 28	12 55 31	15°47'03"	21°58'	29°23'	25°11'	26° 9	20° 9	27°57'	20°13'	14° 5	15° 6	14°18'	12°53'	29°58'	3° 1	T 28
W29	12 59 28	16°45'45"	3°45'45"	29°14'	26°25'	26°55'	20° 7	27°R57	20°12'	14° 4	15° 5	14°16'	12°50'	0°45'	2°59'	W29
T 30	13 3 24	17°44'25"	15°36'	28°59'	27°38'	27°42'	20° 6	27°57'	20°11'	14° 2	15° 5	14°13'	12°46'	0°11'	2°56'	T 30
F 31	13 7 21	18°43'03"	27°43'10"	28°39'39"	28°35'52"	28°35'28"	20°10'	27°57'	20°10'	14°10'	15°10'	14°10'	12°43'	0°18'	2°54'	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	4s19	2n54	0n58	1s44	0s36	15s 3	0s53	10s41	1s 5	15n23	1n16	22s21	1n 8	15n16	0n46	4s15
T 2	3 55	0s51	2 1	0 47	0 26	14 41	0 56	10 24	1 5	15 25	1 16	22 21	1 8	15 17	0 46	4 14
F 3	3 32	4 33	2 59	0n10	0 16	14 18	0 58	10 6	1 5	15 27	1 16	22 21	1 8	15 17	0 46	4 13
S 4	3 8	8 6	3 49	1 7	0 4	13 56	1 0	9 49	1 5	15 29	1 15	22 21	1 8	15 18	0 46	4 13
S 5	2 44	11 21	4 30	2 3	0n 7	13 32	1 2	9 31	1 5	15 31	1 15	22 21	1 8	15 19	0 46	4 12
M 6	2 11	14 9	4 59	3 0	0 19	13 9	1 4	9 13	1 5	15 32	1 15	22 21	1 8	15 19	0 46	4 12
T 7	1 57	16 23	5 15	3 55	0 31	12 45	1 6	8 55	1 4	15 34	1 15	22 21	1 8	15 20	0 46	4 11
W 8	1 34	17 52	5 16	4 49	0 43	12 20	1 7	8 37	1 4	15 36	1 15	22 21	1 8	15 21	0 46	4 10
T 9	1 10	18 28	5 1	5 42	0 55	11 56	1 9	8 19	1 4	15 38	1 15	22 21	1 8	15 21	0 46	4 10
F 10	0 46	18 3	4 30	6 34	1 8	11 31	1 11	8 1	1 4	15 39	1 15	22 21	1 9	15 22	0 46	4 9
S 11	0 23	16 35	3 42	7 24	1 20	11 5	1 13	7 43	1 4	15 41	1 15	22 21	1 9	15 22	0 46	4 9
S 12	0n 1	14 3	2 40	8 12	1 32	10 40	1 14	7 25	1 4	15 42	1 15	22 21	1 9	15 23	0 46	4 8
M13	0 25	10 33	1 25	8 57	1 44	10 14	1 16	7 6	1 4	15 44	1 15	22 21	1 9	15 24	0 46	4 7
T 14	0 48	6 18	0 3	9 40	1 55	9 47	1 17	6 48	1 3	15 45	1 15	22 21	1 9	15 24	0 46	4 7
W15	1 12	1 35	1s20	10 21	2 6	9 21	1 19	6 30	1 3	15 46	1 15	22 21	1 9	15 25	0 46	4 6
T 16	1 36	3n14	2 38	10 59	2 16	8 54	1 20	6 11	1 3	15 47	1 15	22 21	1 9	15 25	0 46	4 5
F 17	1 59	7 48	3 44	11 33	2 26	8 27	1 21	5 53	1 3	15 49	1 14	22 21	1 9	15 26	0 46	4 5
S 18	2 23	11 48	4 33	12 5	2 35	8 0	1 22	5 34	1 3	15 50	1 14	22 21	1 9	15 26	0 46	4 4
S 19	2 46	14 59	5 4	12 33	2 43	7 33	1 23	5 16	1 2	15 51	1 14	22 21	1 9	15 27	0 46	4 3
M20	3 9	17 10	5 15	12 58	2 50	7 5	1 25	4 57	1 2	15 52	1 14	22 20	1 9	15 27	0 46	4 3
T 21	3 33	18 19	5 9	13 20	2 57	6 37	1 26	4 38	1 2	15 53	1 14	22 20	1 9	15 28	0 46	4 2
W22	3 56	18 26	4 46	13 38	3 2	6 9	1 26	4 20	1 2	15 54	1 14	22 20	1 9	15 28	0 45	4 2
T 23	4 19	17 36	4 10	13 53	3 6	5 41	1 27	4 1	1 1	15 55	1 14	22 20	1 9	15 28	0 45	4 1
F 24	4 42	15 58	3 23	14 4	3 9	5 13	1 28	3 42	1 1	15 55	1 14	22 20	1 9	15 29	0 45	4 0
S 25	5 5	13 37	2 28	14 11	3 10	4 44	1 29	3 24	1 1	15 56	1 14	22 20	1 9	15 29	0 45	4 0
S 26	5 28	10 44	1 27	14 15	3 11	4 16	1 29	3 5	1 1	15 57	1 13	22 20	1 9	15 30	0 45	3 59
M27	5 51	7 26	0 23	14 15	3 9	3 47	1 30	2 46	1 0	15 57	1 13	22 20	1 9	15 30	0 45	3 58
T 28	6 14	3 50	0n42	14 12	3 7	3 18	1 30	2 27	1 0	15 58	1 13	22 20	1 9	15 30	0 45	3 58
W29	6 36	0 6	1 45	14 5	3 3	2 49	1 31	2 9	1 0	15 58	1 13	22 20	1 9	15 31	0 45	3 57
T 30	6 59	3s39	2 43	13 54	2 57	2 20	1 31	1 50	1 0	15 59	1 13	22 20	1 9	15 31	0 45	3 56
F 31	7n21	7s17	3n34	13n40	2n50	1s51	1s32	1s31	0s59	15n59	1n13	22s20	1n 9	15n31	0n45	3s56

Julian Day Number = 2253651.5, Delta T = 06m15s

Ecliptic obliquity = 23°30'27", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°10'51", Lahiri = 16°17'52" Julian Calendar 1 March 1458 == Greg. Calendar 10 March 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

APRIL 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 11 17	19°41'39	9°33	28°R14	0°V 6	29°H14	20°R 3	27°R57	20°R 9	13°R59	15°R 4	14°R 2	12°R40	0°R24	2°R51	S 1	
S 2	13 15 14	20°40'14	21°43	27°V45	1°19	0°V 1	20°R 2	27°R57	20°R 8	13°R57	15°R 3	13°R55	12°37	0°31	2°R49	S 2	
M 3	13 19 10	21°38'46	4°3	27°12	2°33	0°47	20° 1	27°56	20° 7	13°56	15° 3	13°49	12°34	0°38	2°47	M 3	
T 4	13 23 7	22°37'17	16°34	26°35	3°47	1°33	20° 0	27°56	20° 6	13°54	15° 3	13°43	12°31	0°44	2°45	T 4	
W 5	13 27 3	23°35'46	29°20	25°57	5° 0	2°19	20° 0	27°55	20° 5	13°52	15° 2	13°39	12°27	0°51	2°43	W 5	
T 6	13 31 0	24°34'14	12°32	25°17	6°14	3° 5	19°59	27°54	20° 5	13°51	15° 2	13°36	12°24	0°58	2°41	T 6	
F 7	13 34 57	25°32'40	25°42	24°36	7°28	3°52	19°59	27°53	20° 4	13°49	15° 2	13°D36	12°21	1° 4	2°40	F 7	
S 8	13 38 53	26°31'04	9°22	23°54	8°41	4°38	19°D59	27°53	20° 4	13°48	15° 1	13°36	12°18	1°11	2°38	S 8	
S 9	13 42 50	27°29'27	23°24	23°14	9°55	5°24	19°59	27°52	20° 3	13°46	15° 1	13°37	12°15	1°18	2°36	S 9	
M10	13 46 46	28°27'48	7°H48	22°35	11° 9	6°10	20° 0	27°50	20° 2	13°44	15° 1	13°R38	12°11	1°24	2°35	M10	
T 11	13 50 43	29°26'07	22°31	21°57	12°22	6°56	20° 0	27°49	20° 2	13°43	15° 0	13°38	12° 8	1°31	2°34	T 11	
W12	13 54 39	0°R24'25	7°V28	21°23	13°36	7°42	20° 1	27°48	20° 2	13°41	15° 0	13°36	12° 5	1°37	2°33	W12	
T 13	13 58 36	1°22'41	22°33	20°51	14°49	8°28	20° 2	27°46	20° 1	13°40	15° 0	13°32	12° 2	1°44	2°32	T 13	
F 14	14 2 32	2°20'56	7°R35	20°23	16° 3	9°13	20° 3	27°45	20° 1	13°38	15° 0	13°26	11°59	1°51	2°31	F 14	
S 15	14 6 29	3°19'08	22°26	19°59	17°17	9°59	20° 4	27°43	20° 1	13°37	15° 0	13°18	11°56	1°57	2°30	S 15	
S 16	14 10 25	4°17'19	6°R58	19°39	18°30	10°45	20° 6	27°42	20° 1	13°35	15° 0	13°10	11°52	2° 4	2°29	S 16	
M17	14 14 22	5°15'28	21° 4	19°24	19°44	11°31	20° 7	27°40	20° 0	13°34	15° 0	13° 3	11°49	2°11	2°28	M17	
T 18	14 18 19	6°13'35	4°R42	19°13	20°58	12°16	20° 9	27°38	20° 0	13°32	15°D 0	12°57	11°46	2°17	2°28	T 18	
W19	14 22 15	7°11'41	17°51	19° 7	22°11	13° 2	20°11	27°36	20°D 0	13°31	15° 0	12°53	11°43	2°24	2°27	W19	
T 20	14 26 12	8° 9'44	0°R36	19°D 5	23°25	13°47	20°13	27°34	20° 0	13°29	15° 0	12°51	11°40	2°31	2°27	T 20	
F 21	14 30 8	9° 7'45	12°58	19° 9	24°38	14°33	20°16	27°32	20° 1	13°28	15° 0	12°D51	11°37	2°37	2°27	F 21	
S 22	14 34 5	10° 5'44	25° 4	19°17	25°52	15°18	20°18	27°30	20° 1	13°26	15° 0	12°52	11°33	2°44	2°D27	S 22	
S 23	14 38 1	11° 3'41	6°R59	19°29	27° 6	16° 4	20°21	27°28	20° 1	13°25	15° 0	12°R53	11°30	2°51	2°27	S 23	
M24	14 41 58	12° 1'37	18°47	19°47	28°19	16°49	20°24	27°25	20° 1	13°23	15° 0	12°53	11°27	2°57	2°27	M24	
T 25	14 45 54	12°59'31	0°R34	20° 8	29°33	17°34	20°27	27°23	20° 1	13°22	15° 0	12°51	11°24	3° 4	2°27	T 25	
W26	14 49 51	13°57'23	12°23	20°34	0°R46	18°20	20°30	27°20	20° 2	13°21	15° 1	12°47	11°21	3°11	2°28	W26	
T 27	14 53 48	14°55'13	24°18	21° 4	2° 0	19° 5	20°34	27°18	20° 2	13°19	15° 1	12°40	11°17	3°17	2°28	T 27	
F 28	14 57 44	15°53'02	6°R22	21°38	3°14	19°50	20°37	27°15	20° 3	13°18	15° 1	12°32	11°14	3°24	2°29	F 28	
S 29	15 1 41	16°50'49	18°35	22°16	4°27	20°35	20°41	27°12	20° 3	13°17	15° 1	12°21	11°11	3°31	2°30	S 29	
S 30	15 5 37	17°48'35	0°R59	22°V58	5°R41	21°V20	20°R45	27°R 9	20°R 4	13°R15	15°R 2	12°R 9	11°R 8	3°R37	2°R31	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
S 1	7n44	10s39	4n17	13n23	2n42	1s22	1s32	1s12	0s59	15n59	1n13	22s20	1n 9	15n31	0n45	3s55	1n45	25n43	9n49	6n18	6n49	1n17	5n16	5s36	
S 2	8 6	13 36	4 48	13 4	2 32	0 53	1 32	0 54	0 59	16 0	1 13	22 20	1 9	15 32	0 45	3 54	1 45	25 43	9 49	6 21	6 51	1 15	5 17	5 35	
M 3	8 28	16 0	5 6	12 41	2 20	0 23	1 32	0 35	0 58	16 0	1 12	22 20	1 10	15 32	0 45	3 54	1 45	25 43	9 48	6 23	6 52	1 13	5 19	5 34	
T 4	8 50	17 41	5 10	12 16	2 8	0n 6	1 32	0 16	0 58	16 0	1 12	22 20	1 10	15 32	0 45	3 53	1 45	25 43	9 48	6 25	6 53	1 11	5 20	5 33	
W 5	9 11	18 31	4 59	11 50	1 54	0 35	1 32	0n 3	0 58	16 0	1 12	22 20	1 10	15 32	0 45	3 53	1 45	25 43	9 48	6 27	6 54	1 9	5 21	5 33	
T 6	9 33	18 24	4 33	11 21	1 40	1 5	1 32	0 21	0 57	16 0	1 12	22 20	1 10	15 33	0 45	3 52	1 45	25 43	9 48	6 28	6 56	1 7	5 23	5 32	
F 7	9 54	17 17	3 51	10 52	1 24	1 34	1 32	0 40	0 57	16 0	1 12	22 20	1 10	15 33	0 45	3 51	1 45	25 42	9 48	6 28	6 57	1 5	5 24	5 31	
S 8	10 15	15 9	2 55	10 22	1 8	2 3	1 31	0 59	0 57	16 0	1 12	22 20	1 10	15 33	0 45	3 51	1 45	25 42	9 47	6 28	6 58	1 4	5 25	5 30	
S 9	10 37	12 4	1 48	9 51	0 52	2 33	1 31	1 17	0 56	15 59	1 12	22 20	1 10	15 33	0 45	3 50	1 45	25 42	9 47	6 27	6 59	1 2	5 27	5 30	
M10	10 58	8 11	0 32	9 21	0 35	3 2	1 31	1 36	0 56	15 59	1 11	22 20	1 10	15 33	0 45	3 50	1 45	25 42	9 47	6 27	7 0	1 0	5 28	5 29	
T 11	11 18	3 43	0s48	8 51	0 18	3 31	1 30	1 54	0 56	15 59	1 11	22 20	1 10	15 33	0 45	3 49	1 45	25 42	9 47	6 27	7 2	0 58	5 29	5 28	
W12	11 39	1n 3	2 5	8 22	0 1	4 0	1 30	2 13	0 55	15 59	1 11	22 20	1 10	15 33	0 45	3 48	1 45	25 42	9 47	6 28	7 3	0 56	5 30	5 27	
T 13	11 59	5 47	3 14	7 55	0s16	4 29	1 29	2 31	0 55	15 58	1 11	22 19	1 10	15 33	0 45	3 48	1 45	25 42	9 46	6 30	7 4	0 54	5 31	5 26	
F 14	12 19	10 8	4 10	7 29	0 33	4 58	1 29	2 50	0 54	15 58	1 11	22 19	1 10	15 33	0 45	3 47	1 45	25 42	9 46	6 32	7 5	0 52	5 32	5 26	
S 15	12 39	13 48	4 47	7 5	0 49	5 27	1 28	3 8	0 54	15 57	1 11	22 19	1 10	15 33	0 45	3 47	1 45	25 41	9 46	6 35	7 6	0 50	5 34	5 25	
S 16	12 59	16 31	5 6	6 43	1 4	5 56	1 27	3 27	0 54	15 56	1 11	22 19	1 10	15 33	0 45	3 46	1 45	25 41	9 46	6 38	7 8	0 48	5 35	5 24	
M17	13 19	18 9	5 4	6 24	1 19	6 25	1 26	3 45	0 53	15 56	1 10	22 19	1 10	15 33	0 45	3 45	1 45	25 41	9 46	6 41	7 9	0 47	5 36	5 23	
T 18	13 38	18 40	4 46	6 6	1 33	6 53	1 25	4 3	0 53	15 55	1 10	22 19	1 10	15 33	0 45	3 45	1 45	25 41	9 45	6 43	7 10	0 45	5 36	5 22	
W19	13 57	18 9	4 12	5 52	1 47	7 21	1 24	4 21	0 52	15 54	1 10	22 19	1 10	15 33	0 45	3 44	1 45	25 41	9 45	6 44	7 11	0 43	5 37	5 22	
T 20	14 16	16 42	3 27	5 40	1 59	7 50	1 23	4 39	0 52	15 53	1 10	22 19	1 10	15 33	0 44	3 44	1 45	25 41	9 45	6 45	7 13	0 41	5 38	5 21	
F 21	14 35	14 31	2 34	5 30	2 11	8 18	1 22	4 57	0 52	15 53	1 10	22 19	1 10	15 33	0 44	3 43	1 45	25 40	9 45	6 45	7 14	0 39	5 39	5 20	
S 22	14 53	11 43	1 34	5 23	2 21	8 46	1 21	5 15	0 51	15 52	1 10	22 19	1 10	15 33	0 44	3 43	1 45	25 40	9 45	6 45	7 15	0 37	5 40	5 19	
S 23	15 11	8 29	0 32	5 19	2 31	9 13	1 20	5 33	0 51	15 51	1 10	22 19	1 10	15 33	0 44	3 42	1 45	25 40	9 44	6 45	7 16	0 35	5 41	5 18	
M24	15 29	4 56	0n32	5 17	2 40	9 41	1 19	5 51	0 50	15 50	1 9	22 19	1 10	15 33	0 44	3 42	1 45	25 40	9 44	6 45	7 17	0 33	5 41	5 17	
T 25	15 47	1 12	1 33	5 18	2 48	10 8	1 17	6 9	0 50	15 48	1 9	22 19	1 10	15 33	0 44	3 41	1 45	25 39	9 44	6 45	7 19	0 31	5 42	5 17	
W26	16 4	2s35	2 31	5 21	2 55	10 35	1 16	6 27	0 49	15 47	1 9	22 19	1 10	15 33	0 44	3 41	1 45	25 39	9 44	6 47	7 20	0 30	5 43	5 16	
T 27	16 22	6 19	3 23	5 26	3 1	11 2	1 15	6 44	0 49	15 46	1 9	22 19	1 10	15 33	0 44	3 40	1 45	25 39	9 44	6 49	7 21	0 28	5 43	5 15	
F 28	16 38	9 49	4 5	5 34	3 7	11 29	1 13	7 2	0 48	15 45	1 9	22 19	1 10	15 32	0 44	3 40	1 45	25 39	9 43	6 53	7 22	0 26	5 44	5 14	
S 29	16 55	12 57	4 38	5 44	3 11	11 55	1 12	7 19	0 48	15 43	1 9	22 19	1 10	15 32	0 44	3 39	1 45	25 38	9 43	6 57	7 23	0 24	5 44	5 13	
S 30	17n11	15s34	4n57	5n56	3s15	12n21	1s10	7n37	0s47	15n42	1n 9	22s18	1n10	15n32	0n44	3s39	1n44	25n38	9n43	7n 1	7n25	0n22	5n45	5s12	

ASTRODIENST EPHEMERIS for the year 1458

geocentric

MAY 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 9 34	18°46'19	13°35	23°44	6°54	22°5	20°49	27°R 6	20°Ω 4	13°R14	15°Ω 2	11°R58	11°η 5	3°Δ44	2°η31	M 1
T 2	15 13 30	19°44'02	26°22	24°33	8° 8	22°50	20°53	27°R 4	20° 5	13°Δ13	15° 3	11°η48	11° 2	3°51	2°33	T 2
W 3	15 17 27	20°41'44	9°32	25°26	9°21	23°35	20°57	27° 0	20° 6	13°12	15° 3	11°39	10°58	3°57	2°34	W 3
T 4	15 21 23	21°39'25	22°33	26°22	10°35	24°20	21° 2	26°57	20° 7	13°10	15° 3	11°34	10°55	4° 4	2°35	T 4
F 5	15 25 20	22°37'05	5°58	27°21	11°49	25° 5	21° 7	26°54	20° 7	13° 9	15° 4	11°31	10°52	4°11	2°36	F 5
S 6	15 29 17	23°34'44	19°37	28°23	13° 2	25°50	21°11	26°51	20° 8	13° 8	15° 4	11°D30	10°49	4°17	2°38	S 6
S 7	15 33 13	24°32'22	3°31	29°28	14°16	26°34	21°16	26°48	20° 9	13° 7	15° 5	11°R30	10°46	4°24	2°40	S 7
M 8	15 37 10	25°29'58	17°41	0°37	15°29	27°19	21°22	26°44	20°10	13° 6	15° 5	11°30	10°42	4°31	2°41	M 8
T 9	15 41 6	26°27'34	2°Y 6	1°48	16°43	28° 4	21°27	26°41	20°11	13° 5	15° 6	11°28	10°39	4°37	2°43	T 9
W10	15 45 3	27°25'09	16°43	3° 2	17°57	28°48	21°32	26°37	20°12	13° 4	15° 7	11°25	10°36	4°44	2°45	W10
T 11	15 48 59	28°22'43	1°26	4°18	19°10	29°33	21°38	26°34	20°14	13° 3	15° 7	11°19	10°33	4°50	2°47	T 11
F 12	15 52 56	29°20'16	16°11	5°38	20°24	0°17	21°44	26°30	20°15	13° 2	15° 8	11°10	10°30	4°57	2°49	F 12
S 13	15 56 52	0°11'48	0°11'48	7° 0	21°37	1° 2	21°50	26°26	20°16	13° 1	15° 9	10°59	10°27	5° 4	2°52	S 13
S 14	16 0 49	1°15'19	15°11	8°25	22°51	1°46	21°56	26°23	20°17	13° 0	15° 9	10°48	10°23	5°10	2°54	S 14
M15	16 4 46	2°12'49	29°12	9°52	24° 5	2°30	22° 2	26°19	20°19	12°59	15°10	10°37	10°20	5°17	2°57	M15
T 16	16 8 42	3°10'17	12°48	11°22	25°18	3°14	22° 8	26°15	20°20	12°58	15°11	10°28	10°17	5°24	2°59	T 16
W17	16 12 39	4° 7'45	25°59	12°55	26°32	3°59	22°15	26°11	20°22	12°57	15°12	10°21	10°14	5°30	3° 2	W17
T 18	16 16 35	5° 5'11	8°24	14°30	27°45	4°43	22°21	26° 7	20°23	12°56	15°12	10°17	10°11	5°37	3° 5	T 18
F 19	16 20 32	6° 2'36	21° 9	16° 8	28°59	5°27	22°28	26° 3	20°25	12°55	15°13	10°15	10° 8	5°44	3° 8	F 19
S 20	16 24 28	6°59'59	3°η 16	17°48	0°12	6°11	22°35	25°59	20°26	12°54	15°14	10°14	10° 4	5°50	3°11	S 20
S 21	16 28 25	7°57'22	15°12	19°31	1°26	6°55	22°42	25°55	20°28	12°53	15°15	10°14	10° 1	5°57	3°14	S 21
M22	16 32 21	8°54'43	27° 1	21°17	2°40	7°38	22°49	25°51	20°30	12°53	15°16	10°13	9°58	6° 4	3°17	M22
T 23	16 36 18	9°52'04	8°Δ50	23° 4	3°53	8°22	22°56	25°47	20°31	12°52	15°17	10°11	9°55	6°10	3°20	T 23
W24	16 40 15	10°49'23	20°42	24°55	5° 7	9° 6	23° 4	25°43	20°33	12°51	15°18	10° 7	9°52	6°17	3°24	W24
T 25	16 44 11	11°46'42	2°Δ43	26°48	6°20	9°50	23°11	25°39	20°35	12°51	15°19	9°59	9°48	6°24	3°27	T 25
F 26	16 48 8	12°43'59	14°55	28°43	7°34	10°33	23°19	25°34	20°37	12°50	15°20	9°50	9°45	6°30	3°31	F 26
S 27	16 52 4	13°41'16	27°20	0°11'40	8°48	11°17	23°27	25°30	20°39	12°49	15°21	9°38	9°42	6°37	3°35	S 27
S 28	16 56 1	14°38'32	10°Δ 0	2°40	10° 1	12° 0	23°35	25°26	20°41	12°49	15°22	9°25	9°39	6°44	3°39	S 28
M29	16 59 57	15°35'47	22°54	4°41	11°15	12°44	23°43	25°22	20°43	12°48	15°23	9°13	9°36	6°50	3°43	M29
T 30	17 3 54	16°33'02	6°3 2	6°45	12°29	13°27	23°51	25°17	20°45	12°48	15°24	9° 1	9°33	6°57	3°47	T 30
W31	17 7 50	17°11'30	19°32	8°11'50	13°11'42	14°8'11	23°59	25°13	20°47	12°47	15°25	8°η52	9°η29	7°Δ 4	3°η51	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	17n27	17s29	5n 3	6n11	3s18	12n47	1s 9	7n54	0s47	15n41	1n 8	22s18	1n10	15n32	0n44	3s38	1n44
T 2	17 43	18 34	4 53	6 27	3 20	13 12	1 7	8 11	0 46	15 39	1 8	22 18	1 10	15 32	0 44	3 38	1 44
W 3	17 59	18 43	4 29	6 45	3 21	13 37	1 5	8 28	0 46	15 38	1 8	22 18	1 10	15 31	0 44	3 37	1 44
T 4	18 14	17 51	3 49	7 5	3 21	14 2	1 4	8 45	0 45	15 36	1 8	22 18	1 10	15 31	0 44	3 37	1 44
F 5	18 29	15 59	2 57	7 26	3 21	14 27	1 2	9 2	0 45	15 34	1 8	22 18	1 10	15 31	0 44	3 36	1 44
S 6	18 43	13 11	1 54	7 49	3 20	14 51	1 0	9 19	0 44	15 33	1 8	22 18	1 10	15 30	0 44	3 36	1 44
S 7	18 57	9 35	0 42	8 14	3 18	15 14	0 58	9 36	0 44	15 31	1 8	22 18	1 10	15 30	0 44	3 36	1 44
M 8	19 11	5 23	0s33	8 40	3 16	15 38	0 56	9 52	0 43	15 29	1 7	22 18	1 10	15 30	0 44	3 35	1 44
T 9	19 25	0 48	1 47	9 7	3 13	16 1	0 54	10 9	0 43	15 27	1 7	22 18	1 10	15 29	0 44	3 35	1 44
W10	19 38	3n53	2 55	9 36	3 9	16 23	0 52	10 25	0 42	15 25	1 7	22 18	1 10	15 29	0 44	3 34	1 44
T 11	19 51	8 23	3 52	10 6	3 4	16 46	0 50	10 41	0 42	15 23	1 7	22 18	1 10	15 28	0 44	3 34	1 44
F 12	20 4	12 21	4 33	10 37	3 0	17 7	0 48	10 58	0 41	15 21	1 7	22 18	1 10	15 28	0 44	3 34	1 44
S 13	20 16	15 32	4 57	11 9	2 54	17 29	0 46	11 14	0 41	15 19	1 7	22 18	1 10	15 28	0 44	3 33	1 44
S 14	20 28	17 42	5 0	11 42	2 48	17 50	0 44	11 30	0 40	15 17	1 7	22 17	1 10	15 27	0 44	3 33	1 44
M15	20 40	18 45	4 46	12 16	2 41	18 10	0 42	11 45	0 40	15 15	1 7	22 17	1 10	15 27	0 44	3 33	1 44
T 16	20 51	18 39	4 15	12 51	2 34	18 30	0 40	12 1	0 39	15 13	1 6	22 17	1 10	15 26	0 44	3 32	1 44
W17	21 2	17 33	3 32	13 26	2 26	18 49	0 38	12 17	0 38	15 11	1 6	22 17	1 10	15 26	0 44	3 32	1 44
T 18	21 12	15 34	2 39	14 2	2 18	19 8	0 35	12 32	0 38	15 9	1 6	22 17	1 10	15 25	0 43	3 32	1 44
F 19	21 23	12 55	1 39	14 39	2 10	19 27	0 33	12 47	0 37	15 6	1 6	22 17	1 10	15 25	0 43	3 31	1 44
S 20	21 32	9 46	0 37	15 15	2 1	19 45	0 31	13 2	0 37	15 4	1 6	22 17	1 10	15 24	0 43	3 31	1 44
S 21	21 42	6 15	0n26	15 53	1 51	20 2	0 29	13 17	0 36	15 1	1 6	22 17	1 10	15 24	0 43	3 31	1 44
M22	21 51	2 32	1 28	16 30	1 41	20 19	0 26	13 32	0 36	14 59	1 6	22 17	1 10	15 23	0 43	3 31	1 44
T 23	22 0	1s17	2 25	17 7	1 31	20 36	0 24	13 47	0 35	14 56	1 6	22 17	1 10	15 22	0 43	3 30	1 44
W24	22 8	5 4	3 17	17 44	1 21	20 51	0 22	14 2	0 34	14 54	1 5	22 17	1 10	15 22	0 43	3 30	1 44
T 25	22 16	8 41	4 0	18 21	1 10	21 7	0 19	14 16	0 34	14 51	1 5	22 17	1 10	15 21	0 43	3 30	1 44
F 26	22 23	12 0	4 33	18 58	0 59	21 21	0 17	14 30	0 33	14 49	1 5	22 16	1 10	15 21	0 43	3 30	1 43
S 27	22 30	14 51	4 54	19 34	0 48	21 35	0 15	14 45	0 33	14 46	1 5	22 16	1 9	15 20	0 43	3 29	1 43
S 28	22 37	17 3	5 0	20 9	0 37	21 49	0 12	14 59	0 32	14 43	1 5	22 16	1 9	15 19	0 43	3 29	1 43
M29	22 44	18 27	4 52	20 42	0 26	22 2	0 10	15 12	0 31	14 40	1 5	22 16	1 9	15 19	0 43	3 29	1 43
T 30	22 50	18 54	4 28	21 15	0 15	22 14	0 8	15 26	0 31	14 38	1 5	22 16	1 9	15 18	0 43	3 29	1 43
W31	22n55	18s19	3n50	21n46	0s 4	22n25	0s 5	15n40	0s30	14n35	1n 5	22s16	1n 9	15n17	0n43	3s29	1n43

Julian Day Number = 2253712.5, Delta T = 06m14s

Ecliptic obliquity = 23°30'26", Nutation = - 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°11'00", Lahiri = 16°18'00" Julian Calendar 1 May 1458 == Greg. Calendar 10 May 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

JUNE 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 11 47	18II2730	2≈52	10II58	14II56	14854	2407	25°R 9	20049	12°R47	15026	8°R46	9026	7010	3055	T 1
F 2	17 15 44	19°24'44	16°32	13° 6	16° 9	15°37	24°16	25° 4	20°51	12°46	15°28	8°42	9°23	7°17	3°59	F 2
S 3	17 19 40	20°21'57	0H21	15°16	17°23	16°20	24°24	25° 0	20°53	12°46	15°29	8°40	9°20	7°24	4° 4	S 3
S 4	17 23 37	21°19'11	14°18	17°26	18°37	17° 3	24°33	24°55	20°56	12°45	15°30	8°40	9°17	7°30	4° 8	S 4
M 5	17 27 33	22°16'24	28°23	19°37	19°50	17°46	24°42	24°51	20°58	12°45	15°31	8°40	9°14	7°37	4°13	M 5
T 6	17 31 30	23°13'36	12°V35	21°48	21° 4	18°29	24°51	24°47	21° 0	12°45	15°33	8°39	9°10	7°44	4°18	T 6
W 7	17 35 26	24°10'49	26°54	24° 0	22°18	19°12	25° 0	24°42	21° 3	12°44	15°34	8°36	9° 7	7°50	4°22	W 7
T 8	17 39 23	25° 8'02	11814	26°11	23°31	19°55	25° 9	24°38	21° 5	12°44	15°35	8°30	9° 4	7°57	4°27	T 8
F 9	17 43 19	26° 5'15	25°34	28°22	24°45	20°38	25°18	24°33	21° 8	12°44	15°36	8°22	9° 1	8° 4	4°32	F 9
S 10	17 47 16	27° 2'28	9II47	0032	25°59	21°21	25°27	24°29	21°10	12°44	15°38	8°12	8°58	8°10	4°37	S 10
S 11	17 51 13	27°59'41	23°48	2°41	27°13	22° 3	25°37	24°25	21°13	12°44	15°39	8° 1	8°54	8°17	4°42	S 11
M12	17 55 9	28°56'53	7033	4°49	28°26	22°46	25°46	24°20	21°15	12°44	15°41	7°50	8°51	8°24	4°48	M12
T 13	17 59 6	29°54'05	20°57	6°55	29°40	23°29	25°56	24°16	21°18	12°43	15°42	7°41	8°48	8°30	4°53	T 13
W14	18 3 2	0051'18	40 0	9° 1	0054	24°11	26° 6	24°11	21°21	12°43	15°43	7°35	8°45	8°37	4°58	W14
T 15	18 6 59	1°48'29	16°42	11° 4	2° 8	24°53	26°15	24° 7	21°23	12°D43	15°45	7°30	8°42	8°44	5° 4	T 15
F 16	18 10 55	2°45'41	29° 5	13° 6	3°21	25°36	26°25	24° 3	21°26	12°43	15°46	7°28	8°39	8°50	5° 9	F 16
S 17	18 14 52	3°42'52	11012	15° 6	4°35	26°18	26°35	23°58	21°29	12°43	15°48	7°D28	8°35	8°57	5°15	S 17
S 18	18 18 49	4°40'03	23° 8	17° 4	5°49	27° 0	26°45	23°54	21°32	12°43	15°49	7°29	8°32	9° 4	5°21	S 18
M19	18 22 45	5°37'14	4059	19° 0	7° 3	27°42	26°55	23°50	21°35	12°44	15°51	7°R29	8°29	9°10	5°26	M19
T 20	18 26 42	6°34'24	16°49	20°55	8°16	28°24	27° 6	23°46	21°37	12°44	15°52	7°29	8°26	9°17	5°32	T 20
W21	18 30 38	7°31'35	28°44	22°47	9°30	29° 6	27°16	23°41	21°40	12°44	15°54	7°26	8°23	9°24	5°38	W21
T 22	18 34 35	8°28'45	10048	24°38	10°44	29°48	27°26	23°37	21°43	12°44	15°55	7°22	8°20	9°30	5°44	T 22
F 23	18 38 31	9°25'55	23° 6	26°26	11°58	0030	27°37	23°33	21°46	12°44	15°57	7°15	8°16	9°37	5°50	F 23
S 24	18 42 28	10°23'05	5040	28°13	13°11	1°12	27°47	23°29	21°49	12°45	15°59	7° 7	8°13	9°44	5°57	S 24
S 25	18 46 24	11°20'16	18°32	29°57	14°25	1°54	27°58	23°25	21°52	12°45	16° 0	6°58	8°10	9°50	6° 3	S 25
M26	18 50 21	12°17'27	1043	10°40	15°39	2°36	28° 9	23°21	21°55	12°45	16° 2	6°48	8° 7	9°57	6° 9	M26
T 27	18 54 18	13°14'37	15°11	3°21	16°53	3°17	28°20	23°17	21°58	12°46	16° 4	6°40	8° 4	10° 4	6°15	T 27
W28	18 58 14	14°11'49	28°54	4°59	18° 7	3°59	28°30	23°13	22° 2	12°46	16° 5	6°33	8° 0	10°10	6°22	W28
T 29	19 2 11	15° 9'00	12049	6°36	19°20	4°40	28°41	23° 9	22° 5	12°46	16° 7	6°29	7°57	10°17	6°28	T 29
F 30	19 6 7	1606'12	26053	8011	20034	5022	28052	2305	2208	12047	1609	6027	7054	10024	6035	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	23n 0	16s42	2n57	22n16	0n 7	22n36	0s 3	15n53	0s29	14n32	1n 4	22s16	1n 9	15n17	0n43	3s29	1n43	25n25	9n37	8n18	8n 3	0s39	5n38	4s47	3s30	1s35	4s28
F 2	23 5	14 6	1 54	22 44	0 18	22 47	0 0	16 6	0 29	14 29	1 4	22 16	1 9	15 16	0 43	3 28	1 43	25 24	9 37	8 20	8 4	0 41	5 37	4 46	3 30	1s35	4s28
S 3	23 9	10 42	0 44	23 9	0 28	22 56	0n 2	16 19	0 28	14 26	1 4	22 16	1 9	15 15	0 43	3 28	1 43	25 24	9 37	8 20	8 6	0 43	5 36	4 46	3 30	1s35	4s28
S 4	23 13	6 39	0s30	23 32	0 38	23 5	0 4	16 32	0 27	14 23	1 4	22 16	1 9	15 14	0 43	3 28	1 43	25 23	9 36	8 20	8 7	0 45	5 36	4 45	3 30	1s35	4s28
M 5	23 17	2 13	1 43	23 53	0 47	23 14	0 7	16 45	0 27	14 20	1 4	22 16	1 9	15 14	0 43	3 28	1 43	25 23	9 36	8 20	8 8	0 47	5 35	4 44	3 30	1s35	4s28
T 6	23 20	2n23	2 50	24 12	0 56	23 21	0 9	16 58	0 26	14 17	1 4	22 15	1 9	15 13	0 43	3 28	1 43	25 22	9 36	8 21	8 9	0 49	5 34	4 44	3 30	1s35	4s28
W 7	23 23	6 52	3 46	24 27	1 5	23 28	0 11	17 10	0 25	14 14	1 4	22 15	1 9	15 12	0 43	3 28	1 43	25 21	9 36	8 22	8 10	0 51	5 32	4 43	3 30	1s35	4s28
T 8	23 25	10 59	4 29	24 40	1 13	23 35	0 14	17 22	0 25	14 11	1 4	22 15	1 9	15 11	0 43	3 28	1 43	25 21	9 36	8 24	8 12	0 52	5 31	4 42	3 30	1s35	4s28
F 9	23 27	14 26	4 55	24 50	1 20	23 40	0 16	17 34	0 24	14 7	1 4	22 15	1 9	15 10	0 43	3 28	1 43	25 20	9 36	8 27	8 13	0 54	5 30	4 41	3 30	1s35	4s28
S 10	23 28	17 0	5 2	24 57	1 27	23 45	0 19	17 46	0 24	14 4	1 4	22 15	1 9	15 9	0 43	3 28	1 43	25 20	9 36	8 31	8 14	0 56	5 29	4 41	3 30	1s35	4s28
S 11	23 29	18 31	4 51	25 1	1 33	23 49	0 21	17 58	0 23	14 1	1 3	22 15	1 8	15 9	0 43	3 28	1 43	25 19	9 35	8 35	8 15	0 58	5 28	4 40	3 30	1s35	4s28
M12	23 30	18 55	4 23	25 3	1 38	23 53	0 23	18 10	0 22	13 58	1 3	22 15	1 8	15 8	0 43	3 28	1 43	25 19	9 35	8 39	8 16	1 0	5 27	4 39	3 30	1s35	4s28
T 13	23 30	18 14	3 41	25 2	1 42	23 56	0 25	18 21	0 21	13 54	1 3	22 15	1 8	15 7	0 43	3 28	1 43	25 18	9 35	8 43	8 18	1 2	5 25	4 39	3 30	1s35	4s28
W14	23 30	16 35	2 48	24 58	1 46	23 58	0 28	18 32	0 21	13 51	1 3	22 15	1 8	15 6	0 43	3 28	1 43	25 18	9 35	8 45	8 19	1 4	5 24	4 38	3 30	1s35	4s28
T 15	23 30	14 9	1 48	24 51	1 49	23 59	0 30	18 43	0 20	13 47	1 3	22 15	1 8	15 5	0 43	3 28	1 43	25 17	9 35	8 47	8 20	1 6	5 23	4 37	3 30	1s35	4s28
F 16	23 29	11 8	0 45	24 42	1 51	24 0	0 32	18 54	0 19	13 44	1 3	22 14	1 8	15 4	0 43	3 28	1 42	25 16	9 35	8 47	8 21	1 8	5 21	4 37	3 30	1s35	4s28
S 17	23 27	7 42	0n20	24 31	1 53	24 0	0 34	19 5	0 19	13 40	1 3	22 14	1 8	15 3	0 43	3 28	1 42	25 16	9 35	8 47	8 22	1 10	5 20	4 36	3 30	1s35	4s28
S 18	23 25	4 0	1 23	24 17	1 53	23 59	0 36	19 15	0 18	13 37	1 3	22 14	1 8	15 2	0 43	3 28	1 42	25 15	9 35	8 47	8 24	1 12	5 18	4 35	3 30	1s35	4s28
M19	23 23	0 11	2 22	24 2	1 54	23 58	0 39	19 25	0 17	13 33	1 3	22 14	1 8	15 1	0 43	3 28	1 42	25 15	9 35	8 47	8 25	1 14	5 17	4 35	3 30	1s35	4s28
T 20	23 21	3s38	3 14	23 44	1 53	23 56	0 41	19 36	0 17	13 30	1 3	22 14	1 8	15 0	0 42	3 28	1 42	25 14	9 34	8 47	8 26	1 16	5 15	4 34	3 30	1s35	4s28
W21	23 18	7 20	3 59	23 25	1 52	23 53	0 43	19 45	0 16	13 26	1 3	22 14	1 7	14 59	0 42	3 28	1 42	25 14	9 34	8 48	8 27	1 17	5 14	4 33	3 30	1s35	4s28
T 22	23 14	10 46	4 34	23 4	1 50	23 49	0 45	19 55	0 15	13 22	1 3	22 14	1 7	14 58	0 42	3 29	1 42	25 13	9 34	8 50	8 28	1 19	5 12	4 33	3 30	1s35	4s28
F 23	23 10	13 49	4 56	22 41	1 47	23 45	0 47	20 5	0 14	13 19	1 3	22 14	1 7	14 57	0 42	3 29	1 42	25 12	9 34	8 52	8 29	1 21	5 11	4 32	3 30	1s35	4s28
S 24	23 6	16 18	5 5	22 17	1 44	23 40	0 49	20 14	0 14	13 15	1 2	22 14	1 7	14 57	0 42	3 29	1 42	25 12	9 34	8 55	8 31	1 23	5 9	4 32	3 30	1s35	4s28
S 25	23 1	18 2	4 59	21 51	1 41	23 34	0 51	20 23	0 13	13 11	1 2	22 14	1 7	14 55	0 42	3 29	1 42	25 11	9 34	8 59	8 32	1 25	5 7	4 31	3 30	1s35	4s28
M26	22 56	18 52	4 37	21 25	1 36	23 28	0 53	20 32	0 12	13 8	1 2	22 14	1 7	14 54	0 42	3 29	1 42	25 11	9 34	9 2	8 33	1 27	5 6	4 30	3 30	1s35	4s28
T 27	22 51	18 40	4 0	20 57	1 32	23 20	0 55	20 41	0 12	13 4	1 2	22 13	1 7	14 53	0 42	3 29	1 42	25 10	9 34	9 5	8 34	1 29	5 4	4 30	3 30	1s35	4s28
W28	22 45	17 22	3 8	20 28	1 26	23 13	0 56	20 50	0 11	13 0	1 2	22 13	1 7	14 52	0 42	3 30	1 42	25 10	9 34	9 8	8 35	1 31	5 2	4 29	3 30	1s35	4s28
T 29	22 39	15 2	2 4	19 59	1 21	23 4	0 58	20 58	0 10	12 56	1 2	22 13	1 7	14 51	0 42	3 30	1 42	25 9	9 34	9 10	8 37	1 33	5 0	4 28	3 30	1s35	4s28
F 30	22n32	11s47	0n51	19n28	1n15	22n55	1n 0	21n 6	0s 9	12n52	1n 2	22s13	1n 6	14n50	0n42	3s30	1n42	25n 8	9n34	9n10	8n38	1s35	4n58	4s28	3s30	1s35	4s28

ASTRODIENST EPHEMERIS for the year 1458

geocentric

JULY 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 10 4	17°32'5	11°11'	9°44	21°48	6°11	29°4	23°R 1	22°11	12°47	16°10	6°D26	7°51	10°30	6°42	S 1
S 2	19 14 0	18° 0'38	25°13	11°14	23° 2	6°44	29°15	22°57	22°14	12°48	16°12	6°D27	7°48	10°37	6°48	S 2
M 3	19 17 57	18°57'52	9°24	12°43	24°16	7°25	29°26	22°54	22°18	12°48	16°14	6°28	7°45	10°44	6°55	M 3
T 4	19 21 53	19°55'07	23°34	14°10	25°30	8° 7	29°37	22°50	22°21	12°49	16°15	6°R28	7°41	10°50	7° 2	T 4
W 5	19 25 50	20°52'23	7°8	15°34	26°44	8°48	29°48	22°46	22°24	12°50	16°17	6°27	7°38	10°57	7° 9	W 5
T 6	19 29 47	21°49'40	21°45	16°57	27°58	9°29	29°59	22°43	22°28	12°50	16°19	6°24	7°35	11° 4	7°16	T 6
F 7	19 33 43	22°46'58	5°11	18°18	29°11	10°10	0°11	22°39	22°31	12°51	16°21	6°19	7°32	11°10	7°23	F 7
S 8	19 37 40	23°44'16	19°28	19°36	0°25	10°50	0°23	22°36	22°34	12°52	16°22	6°13	7°29	11°17	7°30	S 8
S 9	19 41 36	24°41'36	3°3	20°52	1°39	11°31	0°35	22°32	22°38	12°52	16°24	6° 6	7°26	11°24	7°37	S 9
M10	19 45 33	25°38'56	16°24	22° 6	2°53	12°12	0°46	22°29	22°41	12°53	16°26	6° 0	7°22	11°30	7°44	M10
T 11	19 49 29	26°36'17	29°29	23°18	4° 7	12°53	0°58	22°26	22°45	12°54	16°28	5°54	7°19	11°37	7°51	T 11
W12	19 53 26	27°33'39	12°17	24°27	5°21	13°33	1°10	22°22	22°48	12°55	16°30	5°50	7°16	11°44	7°59	W12
T 13	19 57 22	28°31'02	24°48	25°34	6°35	14°14	1°21	22°19	22°52	12°56	16°32	5°48	7°13	11°50	8° 6	T 13
F 14	20 1 19	29°28'25	7°19	26°38	7°49	14°54	1°33	22°16	22°55	12°56	16°33	5°D47	7°10	11°57	8°13	F 14
S 15	20 5 16	0°25'49	19° 9	27°39	9° 3	15°35	1°45	22°13	22°59	12°57	16°35	5°48	7° 6	12° 4	8°21	S 15
S 16	20 9 12	1°23'13	1°4	28°38	10°17	16°15	1°57	22°10	23° 2	12°58	16°37	5°49	7° 3	12°10	8°28	S 16
M17	20 13 9	2°20'38	12°54	29°34	11°31	16°55	2° 9	22° 7	23° 6	12°59	16°39	5°51	7° 0	12°17	8°36	M17
T 18	20 17 5	3°18'04	24°45	0°27	12°45	17°35	2°21	22° 5	23° 9	13° 0	16°41	5°52	6°57	12°24	8°44	T 18
W19	20 21 2	4°15'31	6°14	1°16	13°59	18°15	2°33	22° 2	23°13	13° 1	16°43	5°R53	6°54	12°30	8°51	W19
T 20	20 24 58	5°12'58	18°44	2° 3	15°13	18°55	2°46	21°59	23°16	13° 2	16°45	5°52	6°51	12°37	8°59	T 20
F 21	20 28 55	6°10'27	1°3	2°45	16°27	19°35	2°58	21°57	23°20	13° 3	16°46	5°50	6°47	12°44	9° 7	F 21
S 22	20 32 51	7° 7'56	13°40	3°25	17°41	20°15	3°10	21°54	23°24	13° 5	16°48	5°46	6°44	12°50	9°14	S 22
S 23	20 36 48	8° 5'26	26°39	4° 0	18°55	20°55	3°22	21°52	23°27	13° 6	16°50	5°42	6°41	12°57	9°22	S 23
M24	20 40 45	9° 2'57	9°59	4°31	20° 9	21°35	3°35	21°50	23°31	13° 7	16°52	5°38	6°38	13° 4	9°30	M24
T 25	20 44 41	10° 0'29	23°42	4°58	21°23	22°14	3°47	21°47	23°35	13° 8	16°54	5°35	6°35	13°10	9°38	T 25
W26	20 48 38	10°58'02	7°45	5°20	22°37	22°54	3°59	21°45	23°38	13° 9	16°56	5°32	6°32	13°17	9°46	W26
T 27	20 52 34	11°55'36	22° 4	5°38	23°51	23°33	4°12	21°43	23°42	13°11	16°58	5°30	6°28	13°24	9°54	T 27
F 28	20 56 31	12°53'11	6°33	5°51	25° 5	24°13	4°24	21°41	23°46	13°12	17° 0	5°D30	6°25	13°30	10° 2	F 28
S 29	21 0 27	13°50'48	21° 7	5°59	26°19	24°52	4°37	21°39	23°49	13°13	17° 2	5°30	6°22	13°37	10°10	S 29
S 30	21 4 24	14°48'26	5°41	6°R 1	27°33	25°31	4°49	21°38	23°53	13°15	17° 4	5°31	6°19	13°44	10°18	S 30
M31	21 8 20	15°46'06	20°10	5°58	28°47	26°11	5°19	21°36	23°57	13°16	17° 5	5°19	6°16	13°50	10°26	M31

Day	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	22n25	7s50	0s25	18n57	1n 8	22n45	1n 2	21n14	0s 9	12n48	1n 2	22s13	1n 6	14n49	0n42	S 1
S 2	22 17	3 26	1 40	18 26	1 1	22 34	1 3	21 22	0 8	12 44	1 2	22 13	1 6	14 48	0 42	S 2
M 3	22 10	1n 9	2 48	17 53	0 53	22 23	1 5	21 30	0 7	12 40	1 2	22 13	1 6	14 47	0 42	M 3
T 4	22 1	5 40	3 47	17 21	0 45	22 11	1 6	21 37	0 6	12 36	1 2	22 13	1 6	14 46	0 42	T 4
W 5	21 53	9 50	4 31	16 48	0 37	21 59	1 8	21 44	0 6	12 32	1 2	22 13	1 6	14 45	0 42	W 5
T 6	21 44	13 26	4 59	16 15	0 28	21 46	1 9	21 51	0 5	12 28	1 2	22 13	1 6	14 44	0 42	T 6
F 7	21 35	16 14	5 9	15 42	0 19	21 32	1 11	21 58	0 4	12 24	1 2	22 13	1 5	14 43	0 42	F 7
S 8	21 25	18 5	5 1	15 8	0 10	21 18	1 12	22 5	0 3	12 20	1 2	22 13	1 5	14 42	0 42	S 8
S 9	21 15	18 52	4 36	14 35	0 0	21 3	1 14	22 11	0 3	12 16	1 2	22 13	1 5	14 40	0 42	S 9
M10	21 4	18 35	3 56	14 2	0s10	20 47	1 15	22 17	0 2	12 11	1 2	22 13	1 5	14 39	0 42	M10
T 11	20 54	17 19	3 5	13 29	0 20	20 31	1 16	22 23	0 1	12 7	1 1	22 13	1 5	14 38	0 42	T 11
W12	20 42	15 10	2 5	12 56	0 31	20 14	1 17	22 29	0 0	12 3	1 1	22 13	1 5	14 37	0 42	W12
T 13	20 31	12 21	1 0	12 23	0 41	19 56	1 18	22 35	0n 1	11 59	1 1	22 13	1 5	14 36	0 42	T 13
F 14	20 19	9 3	0n 7	11 51	0 52	19 39	1 19	22 40	0 1	11 54	1 1	22 12	1 4	14 35	0 42	F 14
S 15	20 7	5 25	1 12	11 20	1 4	19 20	1 20	22 46	0 2	11 50	1 1	22 12	1 4	14 34	0 42	S 15
S 16	19 54	1 37	2 14	10 49	1 15	19 1	1 21	22 51	0 3	11 46	1 1	22 12	1 4	14 32	0 42	S 16
M17	19 42	2s13	3 9	10 18	1 26	18 41	1 22	22 55	0 4	11 41	1 1	22 12	1 4	14 31	0 42	M17
T 18	19 28	5 57	3 56	9 49	1 38	18 21	1 23	23 0	0 4	11 37	1 1	22 12	1 4	14 30	0 42	T 18
W19	19 15	9 28	4 34	9 20	1 50	18 1	1 24	23 4	0 5	11 33	1 1	22 12	1 4	14 29	0 42	W19
T 20	19 1	12 39	5 0	8 53	2 2	17 40	1 24	23 9	0 6	11 28	1 1	22 12	1 4	14 28	0 42	T 20
F 21	18 47	15 20	5 12	8 27	2 14	17 18	1 25	23 13	0 7	11 24	1 1	22 12	1 3	14 26	0 42	F 21
S 22	18 33	17 22	5 10	8 1	2 25	16 56	1 25	23 17	0 8	11 19	1 1	22 12	1 3	14 25	0 42	S 22
S 23	18 18	18 35	4 53	7 38	2 37	16 33	1 26	23 20	0 8	11 15	1 1	22 12	1 3	14 24	0 42	S 23
M24	18 3	18 49	4 19	7 15	2 49	16 10	1 26	23 24	0 9	11 10	1 1	22 12	1 3	14 23	0 42	M24
T 25	17 47	17 58	3 30	6 55	3 1	15 47	1 27	23 27	0 10	11 6	1 1	22 12	1 3	14 22	0 42	T 25
W26	17 32	16 1	2 27	6 36	3 12	15 23	1 27	23 30	0 11	11 1	1 1	22 12	1 3	14 20	0 42	W26
T 27	17 16	13 2	1 13	6 19	3 23	14 59	1 27	23 33	0 12	10 57	1 1	22 13	1 2	14 19	0 42	T 27
F 28	17 0	9 13	0s 6	6 5	3 34	14 34	1 27	23 35	0 13	10 52	1 1	22 13	1 2	14 18	0 42	F 28
S 29	16 43	4 50	1 25	5 52	3 44	14 9	1 27	23 38	0 13	10 47	1 1	22 13	1 2	14 17	0 42	S 29
S 30	16 26	0 10	2 39	5 42	3 54	13 43	1 27	23 40	0 14	10 43	1 1	22 13	1 2	14 15	0 42	S 30
M31	16n 9	4n28	3s42	5n35	4s 3	13n18	1n27	23n42	0n15	10n38	1n 1	22s13	1n 2	14n14	0n42	M31

Julian Day Number = 2253773.5, Delta T = 06m14s

Ecliptic obliquity = 23°30'26, Nutation = -0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°11'08, Lahiri = 16°18'09 Julian Calendar 1 July 1458 == Greg. Calendar 10 July 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

AUGUST 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 12 17	16°43'48	48°29	5°R50	0°11	26°1150	5°115	21°R34	24°0	13°17	17°07	5°34	6°12	13°57	10°34	T 1
W 2	21 16 13	17°41'31	18°37	5°35	1°15	27°29	5°27	21°33	24°4	13°19	17°9	5°34	6°9	14°4	10°43	W 2
T 3	21 20 10	18°39'16	2°11	5°15	2°29	28°8	5°40	21°31	24°8	13°20	17°11	5°33	6°6	14°10	10°51	T 3
F 4	21 24 7	19°37'02	16°11	4°50	3°43	28°46	5°53	21°30	24°12	13°22	17°13	5°32	6°3	14°17	10°59	F 4
S 5	21 28 3	20°34'51	29°37	4°19	4°57	29°25	6°5	21°29	24°15	13°23	17°15	5°31	6°0	14°24	11°7	S 5
S 6	21 32 0	21°32'41	12°48	3°42	6°11	0°4	6°18	21°28	24°19	13°25	17°17	5°29	5°57	14°30	11°16	S 6
M 7	21 35 56	22°30'32	25°45	3°1	7°25	0°43	6°31	21°27	24°23	13°26	17°19	5°27	5°53	14°37	11°24	M 7
T 8	21 39 53	23°28'26	8°28	2°15	8°39	1°21	6°44	21°26	24°27	13°28	17°21	5°25	5°50	14°44	11°32	T 8
W 9	21 43 49	24°26'21	20°58	1°26	9°53	2°0	6°56	21°25	24°30	13°29	17°23	5°24	5°47	14°51	11°41	W 9
T 10	21 47 46	25°24'17	3°16	0°33	11°7	2°38	7°9	21°24	24°34	13°31	17°25	5°24	5°44	14°57	11°49	T 10
F 11	21 51 42	26°22'15	15°24	29°39	12°21	3°16	7°22	21°23	24°38	13°33	17°26	5°24	5°41	15°4	11°58	F 11
S 12	21 55 39	27°20'14	27°22	28°43	13°35	3°54	7°35	21°23	24°42	13°34	17°28	5°25	5°37	15°11	12°6	S 12
S 13	21 59 36	28°18'15	9°15	27°48	14°49	4°33	7°48	21°22	24°45	13°36	17°30	5°25	5°34	15°17	12°15	S 13
M14	22 3 32	29°16'18	21°4	26°54	16°3	5°11	8°1	21°22	24°49	13°38	17°32	5°26	5°31	15°24	12°23	M14
T 15	22 7 29	0°14'22	2°53	26°2	17°17	5°49	8°14	21°22	24°53	13°39	17°34	5°27	5°28	15°31	12°32	T 15
W16	22 11 25	1°12'27	14°48	25°14	18°31	6°26	8°27	21°21	24°57	13°41	17°36	5°27	5°25	15°37	12°40	W16
T 17	22 15 22	2°10'34	26°51	24°31	19°45	7°4	8°40	21°21	25°0	13°43	17°38	5°27	5°22	15°44	12°49	T 17
F 18	22 19 18	3°8'42	9°8	23°53	20°59	7°42	8°53	21°D21	25°4	13°45	17°40	5°R27	5°18	15°51	12°57	F 18
S 19	22 23 15	4°6'52	21°42	23°22	22°13	8°19	9°6	21°21	25°8	13°47	17°41	5°27	5°15	15°57	13°6	S 19
S 20	22 27 11	5°5'03	4°38	22°59	23°28	8°57	9°19	21°22	25°12	13°48	17°43	5°D27	5°12	16°4	13°15	S 20
M21	22 31 8	6°3'16	17°59	22°43	24°42	9°34	9°31	21°22	25°15	13°50	17°45	5°27	5°9	16°11	13°23	M21
T 22	22 35 5	7°1'30	1°46	22°D36	25°56	10°12	9°44	21°22	25°19	13°52	17°47	5°27	5°6	16°17	13°32	T 22
W23	22 39 1	7°59'46	15°57	22°38	27°10	10°49	9°57	21°23	25°23	13°54	17°49	5°27	5°3	16°24	13°40	W23
T 24	22 42 58	8°58'04	0°31	22°49	28°23	11°26	10°10	21°23	25°26	13°56	17°51	5°R28	4°59	16°31	13°49	T 24
F 25	22 46 54	9°56'23	15°20	23°9	29°37	12°3	10°23	21°24	25°30	13°58	17°52	5°28	4°56	16°37	13°58	F 25
S 26	22 50 51	10°54'44	0°19	23°38	0°51	12°40	10°36	21°25	25°34	14°0	17°54	5°27	4°53	16°44	14°6	S 26
S 27	22 54 47	11°53'08	15°17	24°16	2°5	13°17	10°49	21°26	25°37	14°2	17°56	5°27	4°50	16°51	14°15	S 27
M28	22 58 44	12°51'33	0°9	25°2	3°19	13°54	11°2	21°27	25°41	14°4	17°58	5°26	4°47	16°57	14°24	M28
T 29	23 2 40	13°50'00	14°46	25°56	4°33	14°30	11°15	21°28	25°45	14°6	18°0	5°25	4°43	17°4	14°32	T 29
W30	23 6 37	14°48'30	29°4	26°57	5°47	15°7	11°28	21°29	25°48	14°8	18°1	5°24	4°40	17°11	14°41	W30
T 31	23 10 34	15°47'02	13°0	28°06	7°1	15°43	11°41	21°30	25°52	14°10	18°03	5°D24	4°37	17°17	14°50	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n52	8n48	4s31	5n30	4s11	12n51	1n27	23n44	0n16	10n34	1n1	22s13	1n2	14n13	0n42	3s43
W 2	15 34	12 34	5 2	5 28	4 19	12 25	1 27	23 46	0 17	10 29	1 1	22 13	1 1	14 12	0 42	3 44
T 3	15 17	15 34	5 16	5 30	4 25	11 58	1 27	23 47	0 18	10 24	1 1	22 13	1 1	14 10	0 42	3 45
F 4	14 59	17 38	5 11	5 34	4 31	11 31	1 26	23 48	0 18	10 20	1 1	22 13	1 1	14 9	0 42	3 45
S 5	14 40	18 42	4 49	5 42	4 34	11 3	1 26	23 50	0 19	10 15	1 1	22 13	1 1	14 8	0 42	3 46
S 6	14 22	18 43	4 12	5 52	4 37	10 36	1 26	23 51	0 20	10 10	1 1	22 13	1 1	14 7	0 42	3 46
M 7	14 3	17 44	3 22	6 6	4 38	10 8	1 25	23 51	0 21	10 5	1 1	22 13	1 1	14 5	0 42	3 47
T 8	13 44	15 53	2 24	6 23	4 37	9 39	1 24	23 52	0 22	10 1	1 1	22 13	1 0	14 4	0 42	3 48
W 9	13 25	13 18	1 19	6 43	4 34	9 11	1 24	23 52	0 23	9 56	1 1	22 14	1 0	14 3	0 42	3 48
T 10	13 5	10 9	0 12	7 6	4 30	8 42	1 23	23 52	0 24	9 51	1 1	22 14	1 0	14 2	0 42	3 49
F 11	12 46	6 37	0n55	7 31	4 23	8 13	1 22	23 52	0 24	9 46	1 1	22 14	1 0	14 0	0 42	3 50
S 12	12 26	2 52	1 59	7 58	4 15	7 43	1 21	23 52	0 25	9 42	1 1	22 14	1 0	13 59	0 42	3 50
S 13	12 6	0s58	2 57	8 27	4 5	7 14	1 21	23 52	0 26	9 37	1 1	22 14	1 0	13 58	0 42	3 51
M14	11 46	4 44	3 47	8 56	3 53	6 44	1 20	23 51	0 27	9 32	1 1	22 14	0 59	13 57	0 42	3 52
T 15	11 25	8 19	4 28	9 27	3 39	6 14	1 19	23 51	0 28	9 27	1 1	22 14	0 59	13 55	0 42	3 52
W16	11 5	11 35	4 57	9 57	3 24	5 44	1 17	23 50	0 29	9 22	1 1	22 14	0 59	13 54	0 42	3 53
T 17	10 44	14 25	5 14	10 27	3 7	5 14	1 16	23 49	0 30	9 17	1 1	22 15	0 59	13 53	0 42	3 54
F 18	10 23	16 40	5 17	10 56	2 50	4 44	1 15	23 48	0 31	9 13	1 1	22 15	0 59	13 52	0 42	3 55
S 19	10 2	18 10	5 5	11 23	2 31	4 13	1 14	23 46	0 32	9 8	1 1	22 15	0 59	13 50	0 42	3 55
S 20	9 40	18 48	4 38	11 48	2 13	3 43	1 12	23 45	0 32	9 3	1 1	22 15	0 58	13 49	0 42	3 56
M21	9 19	18 25	3 54	12 11	1 54	3 12	1 11	23 43	0 33	8 58	1 1	22 15	0 58	13 48	0 42	3 57
T 22	8 57	16 57	2 57	12 32	1 35	2 41	1 9	23 41	0 34	8 53	1 1	22 16	0 58	13 47	0 42	3 58
W23	8 36	14 24	1 46	12 49	1 16	2 10	1 8	23 39	0 35	8 48	1 1	22 16	0 58	13 45	0 42	3 58
T 24	8 14	10 54	0 27	13 3	0 57	1 39	1 6	23 37	0 36	8 43	1 1	22 16	0 58	13 44	0 42	3 59
F 25	7 52	6 38	0s55	13 13	0 39	1 8	1 5	23 34	0 37	8 38	1 1	22 16	0 58	13 43	0 42	4 0
S 26	7 30	1 55	2 14	13 20	0 22	0 37	1 3	23 32	0 38	8 33	1 1	22 16	0 57	13 42	0 42	4 1
S 27	7 7	2n54	3 24	13 23	0 5	0 6	1 1	23 29	0 39	8 29	1 1	22 17	0 57	13 41	0 42	4 1
M28	6 45	7 30	4 19	13 23	0n10	0s25	0 59	23 26	0 40	8 24	1 1	22 17	0 57	13 39	0 42	4 2
T 29	6 23	11 35	4 57	13 18	0 25	0 56	0 57	23 23	0 41	8 19	1 2	22 17	0 57	13 38	0 42	4 3
W30	6 0	14 52	5 15	13 10	0 38	1 27	0 55	23 20	0 42	8 14	1 2	22 17	0 57	13 37	0 42	4 4
T 31	5n37	17n13	5s14	12n58	0n51	1s59	0n53	23n17	0n43	8n 9	1n 2	22s18	0n57	13n36	0n42	4s 5

Julian Day Number = 2253804.5, Delta T = 06m14s

Ecliptic obliquity = 23°30'26", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°11'12", Lahiri = 16°18'13" Julian Calendar 1 Aug. 1458 == Greg. Calendar 10 Aug. 1458

ASTRODIENST EPHEMERIS for the year 1458

geocentric

SEPTEMBER 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 14 30	16 ¹¹ 45'36	26 ¹¹ 35	29 ⁰² 21	8 ¹⁵ 15	16 ⁰² 20	11 ¹¹ 54	21 ¹⁷ 31	25 ⁰⁵ 55	14 ¹² 12	18 ⁰¹ 5	5 ¹¹ 24	4 ¹¹ 34	17 ¹² 24	14 ¹¹ 58	F 1
S 2	23 18 27	17 ¹⁴ 41'13	9 ⁰⁴ 48	0 ¹¹ 41	9 ²⁹	16 ⁵⁶	12 ⁰ 7	21 ⁰³ 33	25 ⁵⁹	14 ¹⁴	18 ⁰ 7	5 ²⁵	4 ³¹	17 ³¹	15 ⁰ 7	S 2
S 3	23 22 23	18 ⁴² 52	22 ⁴³	2 ⁰ 7	10 ⁴³	17 ³²	12 ²⁰	21 ³⁴	26 ²	14 ¹⁶	18 ⁰ 8	5 ²⁶	4 ²⁸	17 ³⁷	15 ¹⁶	S 3
M 4	23 26 20	19 ⁴¹ 32	5 ⁰² 22	3 ³⁷	11 ⁵⁷	18 ⁰ 8	12 ³³	21 ³⁶	26 ⁶	14 ¹⁸	18 ¹⁰	5 ²⁷	4 ²⁴	17 ⁴⁴	15 ²⁴	M 4
T 5	23 30 16	20 ⁴⁰ 15	17 ⁴⁷	5 ¹¹	13 ¹¹	18 ⁴⁴	12 ⁴⁶	21 ³⁸	26 ¹⁰	14 ²⁰	18 ¹²	5 ²⁸	4 ²¹	17 ⁵¹	15 ³³	T 5
W 6	23 34 13	21 ³⁹ 01	0 ¹¹ 1	6 ⁴⁹	14 ²⁵	19 ²⁰	12 ⁵⁹	21 ⁴⁰	26 ¹³	14 ²²	18 ¹³	5 ²⁹	4 ¹⁸	17 ⁵⁸	15 ⁴²	W 6
T 7	23 38 9	22 ³⁷ 48	12 ⁰ 6	8 ²⁹	15 ³⁹	19 ⁵⁶	13 ¹²	21 ⁴¹	26 ¹⁶	14 ²⁴	18 ¹⁵	5 ²⁹	4 ¹⁵	18 ⁰ 4	15 ⁵⁰	T 7
F 8	23 42 6	23 ³⁶ 37	24 ⁰ 4	10 ¹²	16 ⁵³	20 ³²	13 ²⁵	21 ⁴³	26 ²⁰	14 ²⁶	18 ¹⁷	5 ²⁸	4 ¹²	18 ¹¹	15 ⁵⁹	F 8
S 9	23 46 3	24 ³⁵ 28	5 ¹⁵ 57	11 ⁵⁷	18 ⁰ 7	21 ⁰ 7	13 ³⁸	21 ⁴⁶	26 ²³	14 ²⁸	18 ¹⁸	5 ²⁶	4 ⁰ 8	18 ¹⁸	16 ⁰ 8	S 9
S 10	23 49 59	25 ³⁴ 22	17 ⁴⁷	13 ⁴³	19 ²⁰	21 ⁴³	13 ⁵¹	21 ⁴⁸	26 ²⁷	14 ³⁰	18 ²⁰	5 ²³	4 ⁰ 5	18 ²⁴	16 ¹⁶	S 10
M 11	23 53 56	26 ³³ 17	29 ³⁶	15 ³⁰	20 ³⁴	22 ¹⁸	14 ⁰ 4	21 ⁵⁰	26 ³⁰	14 ³³	18 ²¹	5 ²⁰	4 ⁰ 2	18 ³¹	16 ²⁵	M 11
T 12	23 57 52	27 ³² 14	11 ¹¹ 27	17 ¹⁷	21 ⁴⁸	22 ⁵³	14 ¹⁶	21 ⁵²	26 ³³	14 ³⁵	18 ²³	5 ¹⁶	3 ⁵⁹	18 ³⁸	16 ³³	T 12
W 13	0 1 49	28 ³¹ 13	23 ²²	19 ⁰ 6	23 ⁰ 2	23 ²⁸	14 ²⁹	21 ⁵⁵	26 ³⁷	14 ³⁷	18 ²⁴	5 ¹³	3 ⁵⁶	18 ⁴⁴	16 ⁴²	W 13
T 14	0 5 45	29 ³⁰ 14	5 ¹⁷ 25	20 ⁵⁴	24 ¹⁶	24 ⁰ 3	14 ⁴²	21 ⁵⁸	26 ⁴⁰	14 ³⁹	18 ²⁶	5 ¹⁰	3 ⁵³	18 ⁵¹	16 ⁵⁰	T 14
F 15	0 9 42	0 ¹² 29'17	17 ³⁹	22 ⁴³	25 ³⁰	24 ³⁸	14 ⁵⁵	22 ⁰ 0	26 ⁴³	14 ⁴¹	18 ²⁷	5 ⁰ 8	3 ⁴⁹	18 ⁵⁸	16 ⁵⁹	F 15
S 16	0 13 38	1 ²⁸ 21	0 ¹³ 9	24 ³¹	26 ⁴⁴	25 ¹³	15 ⁰ 7	22 ⁰ 3	26 ⁴⁷	14 ⁴³	18 ²⁹	5 ⁰ D 7	3 ⁴⁶	19 ⁰ 4	17 ⁰ 8	S 16
S 17	0 17 35	2 ²⁷ 27	12 ⁵⁹	26 ¹⁹	27 ⁵⁷	25 ⁴⁷	15 ²⁰	22 ⁰ 6	26 ⁵⁰	14 ⁴⁶	18 ³⁰	5 ⁰ 8	3 ⁴³	19 ¹¹	17 ¹⁶	S 17
M 18	0 21 31	3 ²⁶ 35	26 ¹³	28 ⁰ 7	29 ¹¹	26 ²²	15 ³³	22 ⁰ 9	26 ⁵³	14 ⁴⁸	18 ³²	5 ⁰ 9	3 ⁴⁰	19 ¹⁸	17 ²⁵	M 18
T 19	0 25 28	4 ²⁵ 45	9 ¹⁵ 52	29 ⁵⁴	0 ¹¹ 25	26 ⁵⁶	15 ⁴⁶	22 ¹²	26 ⁵⁶	14 ⁵⁰	18 ³³	5 ¹⁰	3 ³⁷	19 ²⁴	17 ³³	T 19
W 20	0 29 25	5 ²⁴ 57	24 ⁰ 0	1 ¹² 41	1 ³⁹	27 ³⁰	15 ⁵⁸	22 ¹⁵	26 ⁵⁹	14 ⁵²	18 ³⁵	5 ¹²	3 ³⁴	19 ³¹	17 ⁴²	W 20
T 21	0 33 21	6 ²⁴ 10	8 ¹³ 33	3 ²⁷	2 ⁵³	28 ⁰ 5	16 ¹¹	22 ¹⁸	27 ⁰ 3	14 ⁵⁴	18 ³⁶	5 ⁰ R 12	3 ³⁰	19 ³⁸	17 ⁵⁰	T 21
F 22	0 37 18	7 ²³ 26	23 ²⁹	5 ¹³	4 ⁰ 6	28 ³⁹	16 ²³	22 ²¹	27 ⁰ 6	14 ⁵⁷	18 ³⁸	5 ¹¹	3 ²⁷	19 ⁴⁴	17 ⁵⁸	F 22
S 23	0 41 14	8 ²² 43	8 ¹⁷ 39	6 ⁵⁷	5 ²⁰	29 ¹²	16 ³⁶	22 ²⁵	27 ⁰ 9	14 ⁵⁹	18 ³⁹	5 ⁰ 8	3 ²⁴	19 ⁵¹	18 ⁰ 7	S 23
S 24	0 45 11	9 ²² 02	23 ⁵⁶	8 ⁴¹	6 ³⁴	29 ⁴⁶	16 ⁴⁸	22 ²⁸	27 ¹²	15 ⁰ 1	18 ⁴⁰	5 ⁰ 4	3 ²¹	19 ⁵⁸	18 ¹⁵	S 24
M 25	0 49 7	10 ²¹ 24	9 ¹⁸ 7	10 ²⁵	7 ⁴⁸	0 ¹² 20	17 ⁰ 1	22 ³²	27 ¹⁵	15 ⁰ 3	18 ⁴²	4 ⁵⁹	3 ¹⁸	20 ⁰ 5	18 ²³	M 25
T 26	0 53 4	11 ²⁰ 48	24 ⁰ 3	12 ⁰ 8	9 ⁰ 1	0 ⁵³	17 ¹³	22 ³⁵	27 ¹⁸	15 ⁰ 6	18 ⁴³	4 ⁵⁴	3 ¹⁴	20 ¹¹	18 ³²	T 26
W 27	0 57 0	12 ²⁰ 14	8 ¹¹ 37	13 ⁵⁰	10 ¹⁵	1 ²⁶	17 ²⁶	22 ³⁹	27 ²¹	15 ⁰ 8	18 ⁴⁴	4 ⁴⁹	3 ¹¹	20 ¹⁸	18 ⁴⁰	W 27
T 28	1 0 57	13 ¹⁹ 43	22 ⁴⁴	15 ³¹	11 ²⁹	2 ⁰ 0	17 ³⁸	22 ⁴³	27 ²⁴	15 ¹⁰	18 ⁴⁵	4 ⁴⁶	3 ⁰ 8	20 ²⁵	18 ⁴⁸	T 28
F 29	1 4 54	14 ¹⁹ 14	6 ⁰² 23	17 ¹²	12 ⁴²	2 ³³	17 ⁵⁰	22 ⁴⁷	27 ²⁶	15 ¹²	18 ⁴⁷	4 ⁴⁴	3 ⁰ 5	20 ³¹	18 ⁵⁶	F 29
S 30	1 8 50	15 ¹⁸ 47	19 ⁰³ 35	18 ¹² 52	13 ¹¹ 56	3 ⁰² 6	18 ¹¹ 2	22 ¹⁷ 50	27 ⁰² 29	15 ¹⁵	18 ⁰⁴ 48	4 ⁰ D 44	3 ¹¹ 2	20 ¹² 38	19 ¹¹ 5	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
F 1	5n14	18n32	4s56	12n42	1n 2	2s30	0n51	23n14	0n44	8n 4	1n 2	22s18	0n56	13n35	0n42	4s 5	1n39	24n35	9n38	9n33	9n52	3s37	2n12	4s 3	5n14	18n32	4s56
S 2	4 52	18 47	4 22	12 23	1 12	3 1	0 49	23 10	0 44	7 59	1 2	22 18	0 56	13 33	0 42	4 6	1 39	24 35	9 38	9 33	9 53	3 39	2 9	4 3	5n14	18n32	4s56
S 3	4 29	18 3	3 35	12 0	1 20	3 32	0 47	23 6	0 45	7 54	1 2	22 18	0 56	13 32	0 42	4 7	1 39	24 35	9 38	9 33	9 54	3 41	2 6	4 3	5n14	18n32	4s56
M 4	4 6	16 24	2 39	11 34	1 28	4 3	0 45	23 2	0 46	7 49	1 2	22 19	0 56	13 31	0 42	4 8	1 39	24 34	9 38	9 32	9 55	3 43	2 3	4 3	5n14	18n32	4s56
T 5	3 42	14 1	1 36	11 6	1 35	4 34	0 43	22 58	0 47	7 44	1 2	22 19	0 56	13 30	0 42	4 9	1 39	24 34	9 39	9 32	9 56	3 45	2 0	4 3	5n14	18n32	4s56
W 6	3 19	11 2	0 30	10 35	1 40	5 5	0 41	22 54	0 48	7 39	1 2	22 19	0 56	13 29	0 42	4 9	1 39	24 34	9 39	9 32	9 58	3 47	1 56	4 3	5n14	18n32	4s56
T 7	2 56	7 36	0n37	10 1	1 44	5 35	0 38	22 50	0 49	7 34	1 2	22 19	0 55	13 27	0 42	4 10	1 39	24 33	9 39	9 32	9 59	3 48	1 53	4 3	5n14	18n32	4s56
F 8	2 33	3 54	1 41	9 25	1 48	6 6	0 36	22 46	0 50	7 30	1 2	22 20	0 55	13 26	0 42	4 11	1 39	24 33	9 39	9 32	10 0	3 50	1 50	4 3	5n14	18n32	4s56
S 9	2 9	0 5	2 40	8 48	1 50	6 36	0 33	22 41	0 51	7 25	1 2	22 20	0 55	13 25	0 42	4 12	1 39	24 33	9 40	9 33	10 1	3 52	1 47	4 3	5n14	18n32	4s56
S 10	1 46	3s43	3 33	8 8	1 52	7 7	0 31	22 37	0 52	7 20	1 2	22 20	0 55	13 24	0 42	4 13	1 39	24 33	9 40	9 34	10 2	3 54	1 44	4 3	5n14	18n32	4s56
M 11	1 22	7 22	4 16	7 28	1 52	7 37	0 29	22 32	0 53	7 15	1 2	22 21	0 55	13 23	0 42	4 14	1 39	24 32	9 40	9 35	10 3	3 56	1 40	4 3	5n14	18n32	4s56
T 12	0 59	10 45	4 48	6 45	1 52	8 7	0 26	22 27	0 54	7 10	1 2	22 21	0 55	13 22	0 42	4 14	1 39	24 32	9 40	9 36	10 5	3 58	1 37	4 3	5n14	18n32	4s56
W 13	0 35	13 42	5 8	6 2	1 51	8 37	0 23	22 22	0 55	7 5	1 2	22 21	0 54	13 21	0 42	4 15	1 39	24 32	9 41	9 38	10 6	4 0	1 34	4 3	5n14	18n32	4s56
T 14	0 12	16 7	5 14	5 18	1 50	9 7	0 21	22 17	0 56	7 0	1 3	22 22	0 54	13 20	0 42	4 16	1 39	24 31	9 41	9 39	10 7	4 2	1 31	4 3	5n14	18n32	4s56
F 15	0s12	17 50	5 7	4 33	1 48	9 36	0 18	22 12	0 57	6 55	1 3	22 22	0 54	13 18	0 42	4 17	1 39	24 31	9 41	9 39	10 8	4 4	1 28	4 3	5n14	18n32	4s56
S 16	0 35	18 46	4 45	3 48	1 45	10 6	0 16	22 7	0 58	6 50	1 3	22 22	0 54	13 17	0 42	4 18	1 39	24 31	9 41	9 40	10 9	4 6	1 24	4 3	5n14	18n32	4s56
S 17	0 59	18 45	4 8	3 2	1 42	10 35	0 13	22 1	0 59	6 46	1 3	22 23	0 54	13 16	0 43	4 19	1 39	24 31	9 42	9 40	10 10	4 8	1 21	4 3	5n14	18n32	4s56
M 18	1 22	17 44	3 18	2 16	1 39	11 3	0 10	21 56	1 0	6 41	1 3	22 23	0 54	13 15	0 43	4 20	1 39	24 30	9 42	9 39	10 12	4 10	1 18	4 3	5n14	18n32	4s56
T 19	1 46	15 40	2 14	1 29	1 35	11 32	0 7	21 50	1 1	6 36	1 3	22 23	0 53	13 14	0 43	4 20	1 39	24 30	9 42	9 38	10 13	4 12	1 15	4 3	5n14	18n32	4s56
W 20	2 9	12 36	1 1	0 43	1 31	12 0	0 5	21 44	1 3	6 31	1 3	22 24	0 53	13 13	0 43	4 21	1 39	24 30	9 42	9 38	10 14	4 14	1 12	4 3	5n14	18n32	4s56
T 21	2 33	8 40	0s18	0s 4	1 26	12 28	0 2	21 39	1 4	6 26	1 3	22 24	0 53	13 12	0 43	4 22	1 39	24 30	9 43	9 38	10 15	4 16	1 8	4 3	5n14	18n32	4s56
F 22	2 56	4 6	1 38	0 50	1 21	12 56	0s 1	21 33	1 5	6 21	1 3	22 24	0 53	13 11	0 43	4 23	1 39	24 30	9 43	9 38	10 16	4 18	1 5	4 3	5n14	18n32	4s56
S 23	3 20	0n48	2 53	1 37	1 16	13 24	0 4	21 27	1 6	6 17	1 3	22 25	0 53	13 10	0 43	4 24	1 39	24 30	9 43	9 39	10 17	4 20	1 2	4 3	5n14	18n32	4s56
S 24	3 43	5 40	3 55	2 23	1 10	13 51	0 6	21 21	1 7	6 12	1 3	22 25	0 53	13 9	0 43	4 25	1 39	24 29	9 44	9 41	10 18	4 22	0 59	4 3	5n14	18n32	4s56
M 25	4 7	10 8	4 40	3 9	1 4	14 18	0 9	21 15	1 8	6 7	1 4	22 25	0 53	13 8	0 43	4 26	1 39	24 29	9 44	9 43	10 20	4 23	0 56	4 3	5n14	18n32	4s56
T 26	4 30	13 54	5 6	3 55	0 58	14 44	0 12	21 8	1 9	6 2	1 4	22 26	0 52	13 7	0 43	4 26	1 39	24 29	9 44	9 45	10 21	4 25	0 53	4 3	5n14	18n32	4s56
W 27	4 53	16 41	5 11	4 40	0 52	15 10	0 15	21 2	1 10	5 58	1 4	22 26	0 52	13 6	0 43	4 27	1 39	24 29	9 44	9 46	10 22	4 27	0 49	3 55	5n14	18n32	4s56
T 28	5 17	18 23	4 56	5 25	0 46	15 36	0 18	20 56	1 11	5 53	1 4	22 26	0 52	13 5	0 43	4 28	1 39	24 29	9 45	9 48	10 23	4 29	0 46	3 55	5n14	18n32	4s56
F 29	5 40	18 56	4 25	6 10	0 40	16 1	0 21	20 49	1 12	5 58	1 4	22 27	0 52	13 4	0 43	4 29	1 39	24 29	9 45	9 48	10 24	4 31	0 43	3 55	5n14	18n32	4s56
S 30	6s 3	18n26	3s41	6s54	0n33	16s26	0s24	20n43	1n13	5n43	1n 4	22s27	0n52	13n 3	0n43	4s30	1n39	24n29	9n45	9n48	10n25	4s33	0n40	3s55	5n14	18n32	4s56

ASTRODIENST EPHEMERIS for the year 1458

geocentric

OCTOBER 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 12 47	16♌18'22	2♈24	20♊31	15♍10	3♈38	18♏15	22♊54	27♈32	15♌17	18♈49	4♏44	2♏59	20♌45	19♏13	S 1
M 2	1 16 43	17°18'00	14°53	22°10	16°23	4°11	18°27	22°59	27°35	15°19	18°50	4°46	2°55	20°51	19°21	M 2
T 3	1 20 40	18°17'40	27° 7	23°48	17°37	4°43	18°39	23° 3	27°37	15°21	18°51	4°47	2°52	20°58	19°29	T 3
W 4	1 24 36	19°17'22	9♏10	25°25	18°50	5°16	18°51	23° 7	27°40	15°24	18°52	4°R47	2°49	21° 5	19°37	W 4
T 5	1 28 33	20°17'07	21° 5	27° 2	20° 4	5°48	19° 3	23°11	27°43	15°26	18°54	4°46	2°46	21°11	19°45	T 5
F 6	1 32 29	21°16'53	2♌56	28°38	21°18	6°20	19°15	23°16	27°45	15°28	18°55	4°42	2°43	21°18	19°53	F 6
S 7	1 36 26	22°16'42	14°46	0♍13	22°31	6°52	19°27	23°20	27°48	15°30	18°56	4°36	2°40	21°25	20° 1	S 7
S 8	1 40 22	23°16'33	26°35	1°48	23°45	7°23	19°39	23°25	27°50	15°32	18°57	4°28	2°36	21°31	20° 9	S 8
M 9	1 44 19	24°16'25	8♍27	3°23	24°58	7°55	19°51	23°29	27°53	15°35	18°58	4°18	2°33	21°38	20°17	M 9
T 10	1 48 16	25°16'20	20°22	4°57	26°12	8°26	20° 2	23°34	27°55	15°37	18°59	4° 8	2°30	21°45	20°24	T 10
W11	1 52 12	26°16'17	2♊23	6°30	27°25	8°57	20°14	23°39	27°58	15°39	19° 0	3°58	2°27	21°52	20°32	W11
T 12	1 56 9	27°16'15	14°30	8° 3	28°39	9°28	20°26	23°44	28° 0	15°41	19° 0	3°49	2°24	21°58	20°40	T 12
F 13	2 0 5	28°16'15	26°48	9°36	29°52	9°59	20°37	23°48	28° 2	15°44	19° 1	3°43	2°20	22° 5	20°47	F 13
S 14	2 4 2	29°16'17	9♊18	11° 8	1♊ 6	10°29	20°49	23°53	28° 5	15°46	19° 2	3°38	2°17	22°12	20°55	S 14
S 15	2 7 58	0♍16'20	22° 3	12°39	2°19	11° 0	21° 0	23°58	28° 7	15°48	19° 3	3°36	2°14	22°18	21° 2	S 15
M16	2 11 55	1°16'25	5♋ 9	14°10	3°33	11°30	21°11	24° 4	28° 9	15°50	19° 4	3°D36	2°11	22°25	21°10	M16
T 17	2 15 51	2°16'32	18°38	15°41	4°46	12° 0	21°23	24° 9	28°11	15°52	19° 5	3°36	2° 8	22°32	21°17	T 17
W18	2 19 48	3°16'40	2♋32	17°11	5°59	12°30	21°34	24°14	28°13	15°54	19° 5	3°R37	2° 5	22°38	21°25	W18
T 19	2 23 45	4°16'49	16°53	18°41	7°13	12°59	21°45	24°19	28°15	15°57	19° 6	3°36	2° 1	22°45	21°32	T 19
F 20	2 27 41	5°17'01	1♌38	20°10	8°26	13°29	21°56	24°25	28°17	15°59	19° 7	3°33	1°58	22°52	21°39	F 20
S 21	2 31 38	6°17'13	16°43	21°39	9°39	13°58	22° 7	24°30	28°19	16° 1	19° 7	3°28	1°55	22°58	21°46	S 21
S 22	2 35 34	7°17'28	2♌ 0	23° 7	10°53	14°27	22°18	24°35	28°21	16° 3	19° 8	3°20	1°52	23° 5	21°54	S 22
M23	2 39 31	8°17'44	17°17	24°35	12° 6	14°56	22°29	24°41	28°23	16° 5	19° 9	3°10	1°49	23°12	22° 1	M23
T 24	2 43 27	9°18'02	2♏23	26° 2	13°19	15°24	22°40	24°47	28°25	16° 7	19° 9	3° 0	1°45	23°18	22° 8	T 24
W25	2 47 24	10°18'22	17° 9	27°28	14°32	15°53	22°50	24°52	28°27	16° 9	19°10	2°51	1°42	23°25	22°15	W25
T 26	2 51 20	11°18'44	1♌27	28°54	15°45	16°21	23° 1	24°58	28°28	16°11	19°10	2°43	1°39	23°32	22°22	T 26
F 27	2 55 17	12°19'08	15°16	0♊20	16°59	16°49	23°11	25° 4	28°30	16°13	19°11	2°37	1°36	23°39	22°28	F 27
S 28	2 59 14	13°19'34	28°34	1°44	18°12	17°16	23°22	25° 9	28°31	16°16	19°11	2°34	1°33	23°45	22°35	S 28
S 29	3 3 10	14°20'01	11♌25	3° 8	19°25	17°44	23°32	25°15	28°33	16°18	19°12	2°D33	1°30	23°52	22°42	S 29
M30	3 7 7	15°20'31	23°54	4°31	20°38	18°11	23°42	25°21	28°35	16°20	19°12	2°34	1°26	23°59	22°48	M30
T 31	3 11 3	16♍21'02	6♏ 5	5♊53	21♊51	18♌38	23♏52	25♊27	28♌36	16♌22	19♌13	2°R34	1♏23	24♌ 5	22♏55	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	6s26	16n58	2s47	7s37	0n27	16s51	0s27	20n36	1n15	5n39	1n 4	22s27	0n52	13n 2	0n43	S 1
M 2	6 49	14 44	1 46	8 21	0 20	17 15	0 29	20 29	1 16	5 34	1 4	22 28	0 52	13 1	0 43	M 2
T 3	7 12	11 51	0 42	9 3	0 13	17 39	0 32	20 23	1 17	5 29	1 4	22 28	0 51	13 0	0 43	T 3
W 4	7 34	8 31	0n24	9 45	0 7	18 2	0 35	20 16	1 18	5 25	1 4	22 29	0 51	12 59	0 43	W 4
T 5	7 57	4 53	1 27	10 27	0s 0	18 25	0 38	20 9	1 19	5 20	1 5	22 29	0 51	12 59	0 43	T 5
F 6	8 19	1 4	2 26	11 7	0 7	18 48	0 41	20 2	1 20	5 16	1 5	22 29	0 51	12 58	0 43	F 6
S 7	8 42	2s47	3 19	11 48	0 14	19 10	0 44	19 55	1 21	5 11	1 5	22 30	0 51	12 57	0 43	S 7
S 8	9 4	6 31	4 2	12 27	0 20	19 31	0 47	19 48	1 23	5 6	1 5	22 30	0 51	12 56	0 43	S 8
M 9	9 26	10 0	4 36	13 6	0 27	19 52	0 49	19 41	1 24	5 2	1 5	22 30	0 51	12 55	0 43	M 9
T 10	9 48	13 7	4 57	13 44	0 34	20 12	0 52	19 34	1 25	4 57	1 5	22 31	0 50	12 54	0 43	T 10
W11	10 10	15 42	5 6	14 22	0 41	20 32	0 55	19 27	1 26	4 53	1 5	22 31	0 50	12 54	0 43	W11
T 12	10 32	17 38	5 1	14 59	0 47	20 51	0 58	19 20	1 27	4 48	1 6	22 31	0 50	12 53	0 43	T 12
F 13	10 53	18 47	4 42	15 35	0 54	21 10	1 1	19 13	1 29	4 44	1 6	22 32	0 50	12 52	0 43	F 13
S 14	11 15	19 2	4 9	16 10	1 0	21 28	1 3	19 6	1 30	4 40	1 6	22 32	0 50	12 51	0 43	S 14
S 15	11 36	18 21	3 24	16 44	1 6	21 46	1 6	18 59	1 31	4 35	1 6	22 33	0 50	12 50	0 43	S 15
M16	11 57	16 40	2 26	17 18	1 13	22 3	1 9	18 52	1 32	4 31	1 6	22 33	0 50	12 50	0 43	M16
T 17	12 18	14 2	1 19	17 50	1 19	22 19	1 11	18 44	1 34	4 27	1 6	22 33	0 49	12 49	0 43	T 17
W18	12 39	10 31	0 6	18 22	1 25	22 35	1 14	18 37	1 35	4 22	1 6	22 34	0 49	12 48	0 44	W18
T 19	12 59	6 16	1s10	18 53	1 31	22 50	1 17	18 30	1 36	4 18	1 7	22 34	0 49	12 48	0 44	T 19
F 20	13 19	1 33	2 24	19 23	1 36	23 5	1 19	18 23	1 37	4 14	1 7	22 34	0 49	12 47	0 44	F 20
S 21	13 39	3n23	3 29	19 52	1 42	23 19	1 22	18 16	1 39	4 10	1 7	22 35	0 49	12 46	0 44	S 21
S 22	13 59	8 8	4 19	20 20	1 47	23 32	1 24	18 8	1 40	4 5	1 7	22 35	0 49	12 46	0 44	S 22
M23	14 19	12 22	4 52	20 47	1 53	23 44	1 27	18 1	1 41	4 1	1 7	22 35	0 49	12 45	0 44	M23
T 24	14 38	15 45	5 3	21 13	1 57	23 56	1 29	17 54	1 43	3 57	1 7	22 36	0 49	12 45	0 44	T 24
W25	14 57	18 1	4 54	21 38	2 2	24 7	1 32	17 47	1 44	3 53	1 7	22 36	0 48	12 44	0 44	W25
T 26	15 16	19 4	4 26	22 2	2 7	24 18	1 34	17 39	1 45	3 49	1 8	22 36	0 48	12 43	0 44	T 26
F 27	15 35	18 56	3 44	22 24	2 11	24 28	1 36	17 32	1 47	3 45	1 8	22 37	0 48	12 43	0 44	F 27
S 28	15 53	17 44	2 50	22 46	2 15	24 37	1 38	17 25	1 48	3 41	1 8	22 37	0 48	12 42	0 44	S 28
S 29	16 11	15 39	1 50	23 6	2 18	24 45	1 40	17 18	1 50	3 37	1 8	22 37	0 48	12 42	0 44	S 29
M30	16 29	12 52	0 46	23 25	2 22	24 53	1 43	17 11	1 51	3 33	1 8	22 38	0 48	12 41	0 44	M30
T 31	16s46	9n36	0n19	23s43	2s24	25s 0	1s45	17n 4	1n52	3n29	1n 9	22s38	0n48	12n41	0n44	T 31

Julian Day Number = 2253865.5, Delta T = 06m13s
 Ecliptic obliquity = 23°30'27", Nutation = - 0°00'09", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 17°11'21", Lahiri = 16°18'21" Julian Calendar 1 Oct. 1458 == Greg. Calendar 10 Oct. 1458

ASTRODIENST EPHEMERIS for the year 1458
geocentric

NOVEMBER 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 15 0	17♏21'35	18♏3	7♏14	23♏4	19♏5	24♏2	25♏33	28♏37	16♏24	19♏13	2°R33	1♏20	24♏12	23♏1	W 1
T 2	3 18 56	18°22'10	29°55	8°34	24°17	19°31	24°12	25°39	28°39	16°26	19°13	2♏29	1°17	24°19	23°8	T 2
F 3	3 22 53	19°22'47	11♏43	9°53	25°30	19°57	24°22	25°45	28°40	16°28	19°13	2°23	1°14	24°25	23°14	F 3
S 4	3 26 49	20°23'25	23°32	11°10	26°43	20°23	24°32	25°51	28°41	16°29	19°14	2°14	1°11	24°32	23°20	S 4
S 5	3 30 46	21°24'05	5♏24	12°25	27°56	20°49	24°42	25°58	28°42	16°31	19°14	2°2	1°7	24°39	23°27	S 5
M 6	3 34 43	22°24'47	17°21	13°38	29°9	21°14	24°51	26°4	28°43	16°33	19°14	1°49	1°4	24°46	23°33	M 6
T 7	3 38 39	23°25'30	29°25	14°49	0♏21	21°39	25°1	26°10	28°45	16°35	19°14	1°34	1°1	24°52	23°39	T 7
W 8	3 42 36	24°26'14	11♏36	15°58	1°34	22°4	25°10	26°16	28°46	16°37	19°14	1°19	0°58	24°59	23°45	W 8
T 9	3 46 32	25°27'00	23°55	17°4	2°47	22°28	25°19	26°23	28°47	16°39	19°15	1°6	0°55	25°6	23°50	T 9
F 10	3 50 29	26°27'46	6♏23	18°6	4°0	22°52	25°28	26°29	28°47	16°41	19°15	0°56	0°51	25°12	23°56	F 10
S 11	3 54 25	27°28'34	19°1	19°5	5°12	23°16	25°37	26°36	28°48	16°43	19°15	0°48	0°48	25°19	24°2	S 11
S 12	3 58 22	28°29'23	1♏52	20°0	6°25	23°39	25°46	26°42	28°49	16°44	19°15	0°44	0°45	25°26	24°7	S 12
M13	4 2 18	29°30'13	14°58	20°49	7°38	24°2	25°55	26°49	28°50	16°46	19°15	0°42	0°42	25°32	24°13	M13
T 14	4 6 15	0♏31'04	28°21	21°33	8°50	24°25	26°4	26°55	28°50	16°48	19°15	0°42	0°39	25°39	24°18	T 14
W15	4 10 12	1°31'56	12♏5	22°11	10°3	24°48	26°12	27°2	28°51	16°50	19°15	0°42	0°36	25°46	24°24	W15
T 16	4 14 8	2°32'48	26°10	22°42	11°15	25°10	26°21	27°8	28°52	16°51	19°15	0°40	0°32	25°53	24°29	T 16
F 17	4 18 5	3°33'42	10♏36	23°5	12°27	25°31	26°29	27°15	28°52	16°53	19°14	0°37	0°29	25°59	24°34	F 17
S 18	4 22 1	4°34'36	25°21	23°20	13°40	25°53	26°37	27°22	28°53	16°55	19°14	0°31	0°26	26°6	24°39	S 18
S 19	4 25 58	5°35'31	10♏20	23°R25	14°52	26°14	26°45	27°28	28°53	16°56	19°14	0°22	0°23	26°13	24°44	S 19
M20	4 29 54	6°36'27	25°23	23°20	16°4	26°34	26°53	27°35	28°53	16°58	19°14	0°10	0°20	26°19	24°49	M20
T 21	4 33 51	7°37'23	10♏21	23°3	17°16	26°55	27°1	27°42	28°54	16°59	19°14	29♏58	0°17	26°26	24°54	T 21
W22	4 37 47	8°38'21	25°4	22°36	18°28	27°15	27°9	27°49	28°54	17°1	19°13	29°47	0°13	26°33	24°58	W22
T 23	4 41 44	9°39'20	9♏25	21°57	19°40	27°34	27°16	27°55	28°54	17°3	19°13	29°37	0°10	26°39	25°3	T 23
F 24	4 45 41	10°40'20	23°18	21°7	20°52	27°53	27°23	28°2	28°54	17°4	19°13	29°30	0°7	26°46	25°7	F 24
S 25	4 49 37	11°41'21	6♏43	20°7	22°4	28°12	27°31	28°9	28°54	17°6	19°12	29°26	0°4	26°53	25°12	S 25
S 26	4 53 34	12°42'23	19°40	18°58	23°16	28°30	27°38	28°16	28°R54	17°7	19°12	29°24	0°1	27°0	25°16	S 26
M27	4 57 30	13°43'26	2♏13	17°41	24°28	28°48	27°45	28°23	28°54	17°8	19°11	29°D24	29♏57	27°6	25°20	M27
T 28	5 1 27	14°44'30	14°27	16°20	25°39	29°5	27°52	28°30	28°54	17°10	19°11	29°R24	29°54	27°13	25°24	T 28
W29	5 5 23	15°45'35	26°27	14°57	26°51	29°22	27°58	28°37	28°54	17°11	19°11	29°23	29°51	27°20	25°28	W29
T 30	5 9 20	16♏46'41	8♏19	13♏35	28♏2	29♏38	28♏5	28♏44	28♏54	17♏13	19♏10	29♏21	29♏48	27♏26	25♏32	T 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
W 1	17s 4	5n59	1n21	24s 0	2s27	25s 6	1s47	16n57	1n54	3n25	1n 9	22s38	0n48	12n41	0n44	4s56	1n40	24n31	9n56	10n36	11n 2	5s35	0s54	4s 1			
T 2	17 21	2 10	2 20	24 15	2 29	25 11	1 48	16 50	1 55	3 22	1 9	22 39	0 48	12 40	0 44	4 57	1 40	24 31	9 57	10 37	11 3	5 37	0 57	4 1			
F 3	17 37	1s43	3 12	24 29	2 31	25 16	1 50	16 43	1 57	3 18	1 9	22 39	0 47	12 40	0 44	4 57	1 40	24 31	9 57	10 39	11 4	5 39	0 59	4 1			
S 4	17 54	5 31	3 55	24 41	2 32	25 20	1 52	16 36	1 58	3 14	1 9	22 39	0 47	12 39	0 44	4 58	1 40	24 31	9 57	10 42	11 5	5 41	1 2	4			
S 5	18 10	9 8	4 29	24 52	2 32	25 23	1 54	16 29	2 0	3 11	1 9	22 40	0 47	12 39	0 44	4 59	1 40	24 32	9 58	10 47	11 6	5 43	1 5	4 1			
M 6	18 26	12 25	4 50	25 1	2 32	25 26	1 56	16 23	2 1	3 7	1 10	22 40	0 47	12 39	0 44	4 59	1 40	24 32	9 58	10 52	11 8	5 45	1 7	4 1			
T 7	18 41	15 12	4 59	25 9	2 32	25 28	1 57	16 16	2 3	3 3	1 10	22 40	0 47	12 38	0 44	5 0	1 40	24 32	9 58	10 57	11 9	5 47	1 10	4 1			
W 8	18 56	17 22	4 55	25 16	2 31	25 28	1 59	16 9	2 4	3 0	1 10	22 40	0 47	12 38	0 44	5 1	1 40	24 33	9 59	11 2	11 10	5 49	1 12	4 1			
T 9	19 11	18 46	4 37	25 20	2 29	25 29	2 0	16 3	2 6	2 56	1 10	22 41	0 47	12 38	0 44	5 2	1 40	24 33	9 59	11 7	11 11	5 51	1 15	4 2			
F 10	19 25	19 16	4 5	25 24	2 26	25 28	2 1	15 56	2 7	2 53	1 10	22 41	0 47	12 37	0 45	5 2	1 40	24 33	9 59	11 10	11 12	5 53	1 17	4 2			
S 11	19 39	18 50	3 21	25 25	2 22	25 27	2 3	15 50	2 9	2 49	1 11	22 41	0 47	12 37	0 45	5 3	1 40	24 34	10 0	11 13	11 13	5 55	1 19	4 2			
S 12	19 53	17 26	2 26	25 25	2 17	25 25	2 4	15 44	2 11	2 46	1 11	22 42	0 46	12 37	0 45	5 3	1 40	24 34	10 0	11 15	11 14	5 57	1 22	4 2			
M13	20 6	15 5	1 22	25 23	2 12	25 22	2 5	15 37	2 12	2 43	1 11	22 42	0 46	12 37	0 45	5 4	1 40	24 34	10 1	11 15	11 15	5 59	1 24	4 2			
T 14	20 19	11 53	0 12	25 19	2 5	25 19	2 6	15 31	2 14	2 40	1 11	22 42	0 46	12 36	0 45	5 5	1 40	24 35	10 1	11 15	11 17	6 1	1 26	4 2			
W15	20 32	7 58	1s 0	25 14	1 57	25 14	2 7	15 25	2 15	2 36	1 11	22 42	0 46	12 36	0 45	5 5	1 40	24 35	10 1	11 16	11 18	6 3	1 29	4 2			
T 16	20 44	3 31	2 10	25 6	1 48	25 9	2 8	15 19	2 17	2 33	1 12	22 43	0 46	12 36	0 45	5 6	1 40	24 35	10 2	11 16	11 19	6 5	1 31	4 3			
F 17	20 56	1n14	3 14	24 57	1 38	25 4	2 9	15 13	2 19	2 30	1 12	22 43	0 46	12 36	0 45	5 7	1 40	24 36	10 2	11 17	11 20	6 7	1 33	4 3			
S 18	21 7	6 1	4 6	24 46	1 26	24 57	2 10	15 8	2 20	2 27	1 12	22 43	0 46	12 36	0 45	5 7	1 40	24 36	10 2	11 19	11 21	6 8	1 35	4 3			
S 19	21 18	10 29	4 42	24 33	1 13	24 50	2 10	15 2	2 22	2 24	1 12	22 43	0 46	12 36	0 45	5 8	1 40	24 36	10 3	11 23	11 22	6 10	1 37	4 3			
M20	21 28	14 19	4 59	24 18	0 58	24 42	2 11	14 57	2 24	2 21	1 13	22 43	0 46	12 36	0 45	5 8	1 40	24 37	10 3	11 27	11 23	6 12	1 39	4 3			
T 21	21 39	17 11	4 55	24 1	0 42	24 33	2 11	14 51	2 25	2 18	1 13	22 44	0 46	12 36	0 45	5 9	1 40	24 37	10 3	11 31	11 24	6 14	1 41	4 4			
W22	21 48	18 53	4 32	23 42	0 24	24 24	2 11	14 46	2 27	2 15	1 13	22 44	0 45	12 36	0 45	5 9	1 40	24 38	10 4	11 35	11 26	6 16	1 43	4 4			
T 23	21 58	19 19	3 52	23 21	0 6	24 14	2 12	14 41	2 29	2 13	1 13	22 44	0 45	12 36	0 45	5 10	1 40	24 38	10 4	11 38	11 27	6 18	1 45	4 4			
F 24	22 7	18 33	2 59	22 59	0n14	24 3	2 12	14 36	2 31	2 10	1 13	22 44	0 45	12 36	0 45	5 11	1 41	24 39	10 4	11 41	11 28	6 20	1 47	4 4			
S 25	22 15	16 45	1 57	22 34	0 34	23 52	2 12	14 31	2 33	2 7	1 14	22 44	0 45	12 36	0 45	5 11	1 41	24 39	10 5	11 42	11 29	6 22	1 49	4 4			
S 26	22 23	14 9	0 51	22 9	0 54	23 40	2 12	14 26	2 34	2 5	1 14	22 45	0 45	12 36	0 45	5 12	1 41	24 39	10 5	11 43	11 30	6 24	1 51	4 4			
M27	22 31	10 57	0n15	21 42	1 14	23 27	2 12	14 22	2 36	2 2	1 14	22 45	0 45	12 36	0 45	5 12	1 41	24 40	10 6	11 43	11 31	6 26	1 53	4 5			
T 28	22 38	7 21	1 19	21 15	1 34	23 13	2 11	14 18	2 38	1 59	1 14	22 45	0 45	12 36	0 45	5 13	1 41	24 40	10 6	11 43	11 32	6 28	1 55	4 5			
W29	22 45	3 32	2 18	20 49	1 52	22 59	2 11	14 13	2 40	1 57	1 15	22 45	0 45	12 36	0 45	5 13	1 41	24 41	10 6	11 43	11 33	6 30	1 56	4 5			
T 30	22s51	0s23	3n11	20s23	2n 8	22s45	2s11	14n 9	2n42	1n55	1n15	22s45	0n45	12n36	0n45	5s14	1n41	24n41	10n 7	11n44	11n34	6s32	1s58	4s 5			

ASTRODIENST EPHEMERIS for the year 1458

geocentric

DECEMBER 1458 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 13 16	17 ⁴⁷ 47'47"	20 ⁴⁸ 8	12 ¹⁹ 17	29 ³¹ 14	29 ⁰² 54	28 ¹¹ 11	28 ⁴⁷ 51	28 ⁵³ R53	17 ¹⁴ 14	19 ⁰⁹ 9	29 ⁰⁹ R16	29 ⁰⁴ 45	27 ⁴³ 33	25 ³⁶ 36	F 1
S 2	5 17 13	18 ⁴⁸ 55	1 ¹⁸ 58	11 ⁴⁷ 4	0 ⁰⁰ 25	0 ⁰⁰ 9	28 ¹⁷	28 ⁵⁷	28 ⁵³	17 ¹⁵	19 ⁰⁹ 9	29 ⁰⁹ 9	29 ⁴²	27 ⁴⁰	25 ³⁹	S 2
S 3	5 21 10	19 ⁵⁰ 0'3	13 ⁵⁴	10° 0	1°36	0°24	28°24	29° 4	28°53	17°17	19° 8	28°59	29°38	27°46	25°43	S 3
M 4	5 25 6	20 ⁵¹ 1'2	25 ⁵⁷	9° 4	2°48	0°39	28°30	29°11	28°52	17°18	19° 8	28°47	29°35	27°53	25°46	M 4
T 5	5 29 3	21 ⁵² 2'2	8 ⁴⁷ 10	8°20	3°59	0°53	28°35	29°18	28°52	17°19	19° 7	28°34	29°32	28° 0	25°50	T 5
W 6	5 32 59	22 ⁵³ 3'2	20°34	7°46	5°10	1° 6	28°41	29°26	28°51	17°20	19° 6	28°21	29°29	28° 7	25°53	W 6
T 7	5 36 56	23 ⁵⁴ 4'2	3 ³¹ 9	7°22	6°21	1°19	28°46	29°33	28°51	17°21	19° 6	28° 9	29°26	28°13	25°56	T 7
F 8	5 40 52	24 ⁵⁵ 5'3	15°55	7°10	7°31	1°31	28°52	29°40	28°50	17°22	19° 5	28° 0	29°23	28°20	25°59	F 8
S 9	5 44 49	25 ⁵⁷ 0'4	28°52	7°D 7	8°42	1°42	28°57	29°47	28°49	17°23	19° 4	27°53	29°19	28°27	26° 2	S 9
S 10	5 48 46	26°58'16	12 ⁰⁰ 9	7°14	9°53	1°53	29° 2	29°54	28°49	17°25	19° 3	27°49	29°16	28°33	26° 4	S 10
M 11	5 52 42	27°59'27	25°19	7°30	11° 3	2° 4	29° 7	0 ⁰³ 1	28°48	17°26	19° 3	27°D48	29°13	28°40	26° 7	M 11
T 12	5 56 39	29° 0'38	8 ⁴⁸ 50	7°53	12°14	2°14	29°11	0° 8	28°47	17°27	19° 2	27°49	29°10	28°47	26°10	T 12
W 13	6 0 35	0 ⁰³ 1'49	22°34	8°23	13°24	2°23	29°16	0°15	28°46	17°28	19° 1	27°49	29° 7	28°53	26°12	W 13
T 14	6 4 32	1° 3'00	6 ⁴⁹ 31	9° 0	14°34	2°32	29°20	0°22	28°45	17°28	19° 0	27°R49	29° 3	29° 0	26°14	T 14
F 15	6 8 28	2° 4'10	20°42	9°42	15°44	2°40	29°24	0°29	28°44	17°29	18°59	27°48	29° 0	29° 7	26°16	F 15
S 16	6 12 25	3° 5'21	5 ⁴⁸ 6	10°30	16°54	2°47	29°28	0°36	28°43	17°30	18°58	27°44	28°57	29°14	26°18	S 16
S 17	6 16 21	4° 6'31	19°38	11°22	18° 3	2°54	29°32	0°43	28°42	17°31	18°57	27°38	28°54	29°20	26°20	S 17
M 18	6 20 18	5° 7'41	4 ⁴⁹ 14	12°18	19°13	3° 0	29°36	0°50	28°40	17°32	18°56	27°30	28°51	29°27	26°22	M 18
T 19	6 24 15	6° 8'51	18°47	13°18	20°22	3° 5	29°39	0°57	28°39	17°33	18°55	27°21	28°48	29°34	26°24	T 19
W 20	6 28 11	7°10'00	3 ⁵⁰ 11	14°21	21°32	3°10	29°42	1° 4	28°38	17°33	18°54	27°13	28°44	29°40	26°25	W 20
T 21	6 32 8	8°11'10	17°18	15°26	22°41	3°14	29°45	1°11	28°37	17°34	18°53	27° 6	28°41	29°47	26°27	T 21
F 22	6 36 4	9°12'19	1 ⁵¹ 3	16°34	23°50	3°17	29°48	1°18	28°35	17°35	18°52	27° 0	28°38	29°54	26°28	F 22
S 23	6 40 1	10°13'28	14°26	17°45	24°58	3°20	29°51	1°25	28°34	17°35	18°51	26°57	28°35	0 ⁰⁴ 1	26°29	S 23
S 24	6 43 57	11°14'37	27°24	18°57	26° 7	3°21	29°54	1°32	28°32	17°36	18°50	26°D57	28°32	0° 7	26°31	S 24
M 25	6 47 54	12°15'46	10 ⁰⁰ 9	20°12	27°15	3°23	29°56	1°39	28°31	17°37	18°49	26°57	28°29	0°14	26°32	M 25
T 26	6 51 50	13°16'55	22°18	21°28	28°24	3°R23	29°58	1°46	28°29	17°37	18°48	26°59	28°25	0°21	26°32	T 26
W 27	6 55 47	14°18'03	4 ⁴⁹ 22	22°45	29°32	3°22	0 ⁰⁴ 0	1°53	28°28	17°38	18°47	27° 0	28°22	0°27	26°33	W 27
T 28	6 59 44	15°19'12	16°17	24° 4	0 ⁰⁴ 40	3°21	0° 2	2° 0	28°26	17°38	18°46	27°R 1	28°19	0°34	26°34	T 28
F 29	7 3 40	16°20'20	28° 8	25°24	1°47	3°19	0° 4	2° 7	28°24	17°38	18°44	27° 0	28°16	0°41	26°34	F 29
S 30	7 7 37	17°21'29	10 ⁰¹ 8	26°45	2°55	3°17	0° 5	2°14	28°23	17°39	18°43	26°57	28°13	0°47	26°35	S 30
S 31	7 11 33	18 ²² 3'6	21 ¹⁸ 57	28 ⁴⁷ 8	4 ⁴⁸ 2	3 ¹⁸ 13	0 ⁰⁵ 6	2 ⁰³ 21	28 ⁰² 21	17 ⁴⁰ 39	18 ⁰⁴ 42	26 ⁰⁵ 53	28 ⁰⁸ 9	0 ⁰⁴ 54	26 ³⁵ 35	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
F 1	22s57	4s16	3n55	19s59	2n22	22s29	2s10	14n 5	2n44	1n52	1n15	22s45	0n45	12n36	0n45	5s14	1n41	24n42	10n 7	11n46	11n36	6s34	2s 0	4s 5			
S 2	23 2	7 59	4 29	19 37	2 34	22 13	2 9	14 2	2 46	1 50	1 15	22 46	0 45	12 36	0 45	5 14	1 41	24 42	10 7	11 48	11 37	6 36	2 2	4 6			
S 3	23 7	11 25	4 52	19 18	2 44	21 57	2 9	13 58	2 48	1 48	1 16	22 46	0 45	12 36	0 46	5 15	1 41	24 43	10 8	11 52	11 38	6 38	2 3	4 6			
M 4	23 11	14 25	5 1	19 3	2 51	21 40	2 8	13 55	2 49	1 46	1 16	22 46	0 44	12 37	0 46	5 15	1 41	24 43	10 8	11 56	11 39	6 40	2 5	4 6			
T 5	23 15	16 50	4 58	18 51	2 56	21 22	2 7	13 52	2 51	1 44	1 16	22 46	0 44	12 37	0 46	5 16	1 41	24 44	10 8	12 0	11 40	6 41	2 6	4 6			
W 6	23 19	18 31	4 40	18 43	2 59	21 4	2 6	13 49	2 53	1 42	1 16	22 46	0 44	12 37	0 46	5 16	1 41	24 44	10 9	12 5	11 41	6 43	2 8	4 7			
T 7	23 22	19 20	4 8	18 38	3 0	20 45	2 4	13 46	2 55	1 40	1 17	22 46	0 44	12 37	0 46	5 16	1 41	24 45	10 9	12 9	11 42	6 45	2 9	4 7			
F 8	23 25	19 11	3 24	18 37	3 0	20 25	2 3	13 44	2 57	1 38	1 17	22 46	0 44	12 38	0 46	5 17	1 41	24 46	10 9	12 12	11 43	6 47	2 10	4 7			
S 9	23 27	18 2	2 28	18 39	2 57	20 6	2 2	13 41	2 59	1 36	1 17	22 46	0 44	12 38	0 46	5 17	1 41	24 46	10 10	12 15	11 45	6 49	2 12	4 7			
S 10	23 28	15 54	1 23	18 43	2 54	19 45	2 0	13 39	3 2	1 34	1 17	22 46	0 44	12 38	0 46	5 18	1 41	24 47	10 10	12 16	11 46	6 51	2 13	4 7			
M11	23 30	12 55	0 13	18 50	2 49	19 24	1 59	13 37	3 4	1 33	1 18	22 46	0 44	12 39	0 46	5 18	1 41	24 47	10 10	12 16	11 47	6 53	2 14	4 8			
T 12	23 30	9 11	0s59	19 0	2 44	19 3	1 57	13 36	3 6	1 31	1 18	22 47	0 44	12 39	0 46	5 18	1 41	24 48	10 10	12 16	11 48	6 55	2 15	4 8			
W13	23 30	4 56	2 9	19 11	2 37	18 41	1 55	13 34	3 8	1 29	1 18	22 47	0 44	12 39	0 46	5 19	1 42	24 48	10 11	12 16	11 49	6 57	2 17	4 8			
T 14	23 30	0 20	3 12	19 23	2 31	18 18	1 53	13 33	3 10	1 28	1 19	22 47	0 44	12 40	0 46	5 19	1 42	24 49	10 11	12 16	11 50	6 59	2 18	4 8			
F 15	23 29	4n20	4 5	19 37	2 23	17 56	1 51	13 32	3 12	1 27	1 19	22 47	0 44	12 40	0 46	5 19	1 42	24 49	10 11	12 16	11 51	7 1	2 19	4 8			
S 16	23 28	8 49	4 43	19 51	2 15	17 32	1 49	13 31	3 14	1 25	1 19	22 47	0 44	12 40	0 46	5 19	1 42	24 50	10 12	12 18	11 52	7 3	2 20	4 9			
S 17	23 27	12 50	5 3	20 6	2 7	17 9	1 46	13 31	3 16	1 24	1 19	22 47	0 44	12 41	0 46	5 20	1 42	24 51	10 12	12 20	11 53	7 5	2 21	4 9			
M18	23 24	16 4	5 4	20 22	1 59	16 45	1 44	13 31	3 18	1 23	1 20	22 47	0 43	12 41	0 46	5 20	1 42	24 51	10 12	12 23	11 55	7 7	2 22	4 9			
T 19	23 22	18 18	4 45	20 38	1 50	16 20	1 41	13 31	3 20	1 22	1 20	22 47	0 43	12 42	0 46	5 20	1 42	24 52	10 13	12 26	11 56	7 9	2 23	4 9			
W20	23 19	19 20	4 8	20 54	1 42	15 55	1 38	13 31	3 23	1 21	1 20	22 47	0 43	12 42	0 46	5 20	1 42	24 52	10 13	12 28	11 57	7 10	2 23	4 10			
T 21	23 15	19 8	3 17	21 10	1 33	15 30	1 36	13 32	3 25	1 20	1 20	22 47	0 43	12 43	0 46	5 21	1 42	24 53	10 13	12 31	11 58	7 12	2 24	4 10			
F 22	23 11	17 47	2 15	21 26	1 24	15 4	1 33	13 32	3 27	1 19	1 21	22 47	0 43	12 43	0 46	5 21	1 42	24 54	10 13	12 33	11 59	7 14	2 25	4 10			
S 23	23 7	15 29	1 7	21 41	1 15	14 38	1 30	13 34	3 29	1 18	1 21	22 47	0 43	12 44	0 46	5 21	1 42	24 54	10 14	12 34	12 0	7 16	2 26	4 10			
S 24	23 2	12 27	0n 2	21 56	1 7	14 12	1 27	13 35	3 31	1 17	1 21	22 47	0 43	12 44	0 46	5 21	1 42	24 55	10 14	12 34	12 1	7 18	2 26	4 10			
M25	22 56	8 55	1 10	22 11	0 58	13 46	1 23	13 37	3 33	1 16	1 22	22 47	0 43	12 45	0 46	5 21	1 42	24 55	10 14	12 34	12 2	7 20	2 27	4 11			
T 26	22 51	5 6	2 13	22 25	0 49	13 19	1 20	13 38	3 36	1 16	1 22	22 47	0 43	12 46	0 46	5 21	1 42	24 56	10 14	12 33	12 3	7 22	2 27	4 11			
W27	22 44	1 9	3 9	22 38	0 41	12 52	1 16	13 41	3 38	1 15	1 22	22 47	0 43	12 46	0 46	5 22	1 42	24 57	10 15	12 33	12 4	7 24	2 28	4 11			
T 28	22 37	2s48	3 56	22 50	0 32	12 24	1 13	13 43	3 40	1 15	1 22	22 47	0 43	12 47	0 47	5 22	1 42	24 57	10 15	12 33	12 6	7 26	2 28	4 11			
F 29	22 30	6 36	4 32	23 2	0 24	11 56	1 9	13 46	3 42	1 14	1 23	22 47	0 43	12 47	0 47	5 22	1 43	24 58	10 15	12 33	12 7	7 28	2 29	4 11			
S 30	22 23	10 9	4 57	23 12	0 16	11 29	1 5	13 49	3 44	1 14	1 23	22 47	0 43	12 48	0 47	5 22	1 43	24 58	10 15	12 34	12 8	7 30	2 29	4 12			
S 31	22s15	13s20	5n 9	23s22	0n 8	11s 0	1s 1	13n52	3n46	1n14	1n23	22s46	0n43	12n49	0n47	5s22	1n43	24n59	10n16	12n35	12n 9	7s32	2s29	4s12			