



Astrodienst Ephemeris Tables for the year 1516

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 1516
geocentric

JANUARY 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 16 15	19°33'14	10°29	24°R31	19°23	9°44	14°R 3	13°56	26°9	18°52	0°16	4°R54	5°39	10°Y23	12°30	T 1
W 2	7 20 11	20°34'22	24°11	23°18	20°39	10°26	13°55	14° 2	26° 9	18°54	0°18	4°52	5°36	10°30	12°35	W 2
T 3	7 24 8	21°35'29	7°341	22° 2	21°54	11° 9	13°47	14° 8	26°10	18°56	0°20	4°51	5°32	10°37	12°41	T 3
F 4	7 28 5	22°36'36	20°55	20°44	23°10	11°51	13°39	14°14	26°10	18°58	0°22	4°50	5°29	10°43	12°47	F 4
S 5	7 32 1	23°37'42	3°54	19°27	24°25	12°33	13°31	14°20	26°11	19° 0	0°24	4°D49	5°26	10°50	12°53	S 5
S 6	7 35 58	24°38'47	16°36	18°14	25°41	13°16	13°24	14°26	26°11	19° 2	0°26	4°49	5°23	10°57	12°58	S 6
M 7	7 39 54	25°39'51	29° 3	17° 5	26°56	13°58	13°16	14°32	26°12	19° 4	0°28	4°50	5°20	11° 4	13° 4	M 7
T 8	7 43 51	26°40'54	11°16	16° 3	28°11	14°40	13° 8	14°38	26°12	19° 7	0°30	4°51	5°17	11°10	13°10	T 8
W 9	7 47 47	27°41'56	23°18	15° 9	29°27	15°23	13° 1	14°43	26°13	19° 9	0°32	4°52	5°13	11°17	13°15	W 9
T 10	7 51 44	28°42'58	5°Y13	14°24	0°42	16° 5	12°53	14°49	26°14	19°11	0°34	4°53	5°10	11°24	13°21	T 10
F 11	7 55 40	29°43'58	17° 5	13°47	1°58	16°48	12°46	14°55	26°15	19°13	0°36	4°53	5° 7	11°30	13°26	F 11
S 12	7 59 37	0°44'56	28°58	13°20	3°13	17°30	12°38	15° 1	26°15	19°15	0°37	4°R53	5° 4	11°37	13°32	S 12
S 13	8 3 34	1°45'54	10°857	13° 1	4°28	18°13	12°31	15° 6	26°16	19°17	0°39	4°53	5° 1	11°44	13°38	S 13
M14	8 7 30	2°46'50	23° 6	12°51	5°44	18°56	12°24	15°12	26°17	19°20	0°41	4°53	4°58	11°50	13°43	M14
T 15	8 11 27	3°47'46	5°1131	12°D49	6°59	19°38	12°17	15°17	26°18	19°22	0°43	4°53	4°54	11°57	13°49	T 15
W16	8 15 23	4°48'40	18°14	12°54	8°14	20°21	12°10	15°22	26°19	19°24	0°45	4°D53	4°51	12° 4	13°54	W16
T 17	8 19 20	5°49'32	1°19	13° 7	9°29	21° 4	12° 3	15°28	26°20	19°26	0°47	4°53	4°48	12°11	14° 0	T 17
F 18	8 23 16	6°50'24	14°46	13°26	10°45	21°46	11°56	15°33	26°22	19°28	0°49	4°53	4°45	12°17	14° 5	F 18
S 19	8 27 13	7°51'14	28°35	13°51	12° 0	22°29	11°49	15°38	26°23	19°31	0°51	4°R53	4°42	12°24	14°10	S 19
S 20	8 31 9	8°52'03	12°43	14°22	13°15	23°12	11°43	15°43	26°24	19°33	0°52	4°53	4°38	12°31	14°16	S 20
M21	8 35 6	9°52'50	27° 5	14°58	14°30	23°55	11°37	15°49	26°25	19°35	0°54	4°53	4°35	12°37	14°21	M21
T 22	8 39 3	10°53'37	11°38	15°39	15°46	24°37	11°30	15°54	26°27	19°37	0°56	4°52	4°32	12°44	14°26	T 22
W23	8 42 59	11°54'22	26°14	16°23	17° 1	25°20	11°24	15°59	26°28	19°40	0°58	4°51	4°29	12°51	14°32	W23
T 24	8 46 56	12°55'06	10°47	17°12	18°16	26° 3	11°18	16° 3	26°30	19°42	0°59	4°51	4°26	12°58	14°37	T 24
F 25	8 50 52	13°55'49	25°12	18° 4	19°31	26°46	11°13	16° 8	26°31	19°44	1° 1	4°50	4°23	13° 4	14°42	F 25
S 26	8 54 49	14°56'31	9°27	18°59	20°46	27°29	11° 7	16°13	26°33	19°47	1° 3	4°D49	4°19	13°11	14°47	S 26
S 27	8 58 45	15°57'12	23°27	19°58	22° 2	28°12	11° 1	16°18	26°34	19°49	1° 4	4°49	4°16	13°18	14°53	S 27
M28	9 2 42	16°57'52	7°13	20°59	23°17	28°55	10°56	16°22	26°36	19°51	1° 6	4°50	4°13	13°24	14°58	M28
T 29	9 6 38	17°58'31	20°45	22° 3	24°32	29°38	10°51	16°27	26°37	19°53	1° 8	4°51	4°10	13°31	15° 3	T 29
W30	9 10 35	18°59'09	4°1	23° 9	25°47	0°21	10°46	16°31	26°39	19°56	1° 9	4°52	4° 7	13°38	15° 8	W30
T 31	9 14 32	19°59'45	17°3	24°17	27°2	1°4	10°541	16°36	26°Y41	19°58	1°11	4°53	4° 4	13°Y45	15°13	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s 4	17s50	4n17	18s38	2n41	22s57	0s52	21s58	0n 0	23n 2	0n16	21s 5	1n27	9n38	0s31	15s36
W 2	21 55	19 56	3 26	18 36	2 55	22 48	0 54	22 5	0s 0	23 3	0 16	21 6	1 27	9 38	0 31	15 35
T 3	21 46	20 52	2 25	18 37	3 7	22 38	0 56	22 11	0 1	23 4	0 17	21 6	1 28	9 38	0 31	15 34
F 4	21 36	20 37	1 16	18 39	3 17	22 27	0 57	22 18	0 2	23 4	0 17	21 7	1 28	9 39	0 31	15 34
S 5	21 26	19 15	0 5	18 43	3 24	22 16	0 59	22 24	0 3	23 5	0 17	21 8	1 28	9 39	0 31	15 33
S 6	21 15	16 56	1 s 5	18 48	3 29	22 4	1 1	22 30	0 3	23 6	0 17	21 8	1 28	9 39	0 31	15 32
M 7	21 4	13 52	2 10	18 54	3 32	21 51	1 3	22 36	0 4	23 7	0 17	21 9	1 28	9 39	0 31	15 32
T 8	20 52	10 16	3 9	19 2	3 32	21 38	1 4	22 42	0 5	23 8	0 17	21 10	1 28	9 39	0 31	15 31
W 9	20 40	6 18	3 58	19 10	3 29	21 24	1 6	22 47	0 5	23 9	0 17	21 10	1 28	9 40	0 31	15 30
T 10	20 28	2 8	4 36	19 19	3 25	21 9	1 7	22 52	0 6	23 10	0 17	21 11	1 28	9 40	0 31	15 30
F 11	20 16	2n 4	5 2	19 28	3 20	20 54	1 9	22 58	0 7	23 11	0 18	21 11	1 28	9 40	0 31	15 29
S 12	20 2	6 13	5 16	19 38	3 13	20 38	1 10	23 2	0 8	23 12	0 18	21 12	1 28	9 41	0 31	15 28
S 13	19 49	10 9	5 16	19 48	3 5	20 21	1 12	23 7	0 8	23 12	0 18	21 13	1 28	9 41	0 31	15 28
M14	19 35	13 44	5 1	19 58	2 56	20 4	1 13	23 11	0 9	23 13	0 18	21 13	1 28	9 41	0 31	15 27
T 15	19 21	16 48	4 33	20 8	2 46	19 46	1 14	23 16	0 10	23 14	0 18	21 14	1 28	9 42	0 31	15 26
W16	19 7	19 9	3 51	20 18	2 36	19 28	1 15	23 20	0 11	23 15	0 18	21 14	1 28	9 42	0 31	15 26
T 17	18 52	20 34	2 56	20 27	2 25	19 9	1 17	23 23	0 12	23 15	0 18	21 15	1 28	9 43	0 31	15 25
F 18	18 37	20 52	1 49	20 36	2 14	18 50	1 18	23 27	0 12	23 16	0 18	21 15	1 28	9 43	0 31	15 24
S 19	18 21	19 56	0 35	20 45	2 3	18 30	1 19	23 30	0 13	23 17	0 18	21 16	1 28	9 44	0 31	15 24
S 20	18 5	17 44	0n43	20 52	1 52	18 9	1 20	23 33	0 14	23 17	0 19	21 16	1 28	9 44	0 31	15 23
M21	17 49	14 24	2 0	21 0	1 40	17 49	1 21	23 36	0 15	23 18	0 19	21 17	1 28	9 45	0 31	15 22
T 22	17 33	10 9	3 10	21 6	1 29	17 27	1 22	23 39	0 15	23 19	0 19	21 17	1 28	9 45	0 31	15 22
W23	17 16	5 18	4 8	21 12	1 18	17 5	1 22	23 41	0 16	23 19	0 19	21 18	1 28	9 46	0 31	15 21
T 24	16 59	0 10	4 49	21 17	1 7	16 43	1 23	23 44	0 17	23 20	0 19	21 18	1 28	9 46	0 31	15 20
F 25	16 41	4s56	5 12	21 21	0 56	16 20	1 24	23 46	0 18	23 21	0 19	21 19	1 28	9 47	0 31	15 19
S 26	16 24	9 41	5 16	21 24	0 46	15 56	1 24	23 47	0 19	23 21	0 19	21 19	1 28	9 47	0 31	15 19
S 27	16 6	13 50	5 0	21 26	0 36	15 33	1 25	23 49	0 20	23 22	0 19	21 19	1 29	9 48	0 31	15 18
M28	15 47	17 10	4 28	21 26	0 25	15 8	1 26	23 50	0 20	23 22	0 19	21 20	1 29	9 49	0 31	15 17
T 29	15 29	19 30	3 41	21 26	0 15	14 44	1 26	23 51	0 21	23 23	0 19	21 20	1 29	9 49	0 31	15 17
W30	15 10	20 44	2 43	21 25	0 6	14 19	1 26	23 52	0 22	23 23	0 20	21 21	1 29	9 50	0 30	15 16
T 31	14s51	20s48	1n37	21s22	0s 4	13s53	1s27	23s53	0s23	23n24	0n20	21s21	1n29	9n50	0s30	15s15

Julian Day Number = 2274776.5, Delta T = 256.21 sec
Ecliptic obliquity = 23°30'02, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 17°59'13, Lahiri = 17°06'14 Julian Calendar 1 Jan. 1516 == Greg. Calendar 11 Jan. 1516

ASTRODIENST EPHEMERIS for the year 1516

geocentric

FEBRUARY 1516 JC

00:00 UT

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

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	14s32	19s46	0n28	21s19	0s13	13s28	1s27	23s53	0s24	23n24	0n20	21s21	1n29	9n51	0s30	15s14	0s25	19s20	4n10	19n 5	19n18	1n 2	16s17	6n23			
S 2	14 12	17 45	0s42	21 14	0 21	13 1	1 27	23 53	0 25	23 25	0 20	21 22	1 29	9 52	0 30	15 14	0 25	19 20	4 10	19 5	19 19	1 4	16 16	6 23			
S 3	13 53	14 56	1 49	21 8	0 30	12 35	1 27	23 53	0 25	23 25	0 20	21 22	1 29	9 53	0 30	15 13	0 25	19 20	4 10	19 6	19 20	1 6	16 15	6 24			
M 4	13 33	11 29	2 49	21 0	0 38	12 8	1 27	23 53	0 26	23 25	0 20	21 22	1 29	9 53	0 30	15 12	0 25	19 20	4 10	19 6	19 20	1 8	16 14	6 24			
T 5	13 13	7 36	3 41	20 52	0 46	11 41	1 27	23 52	0 27	23 26	0 20	21 23	1 29	9 54	0 30	15 12	0 25	19 20	4 10	19 7	19 21	1 11	16 13	6 24			
W 6	12 52	3 28	4 23	20 42	0 54	11 13	1 27	23 51	0 28	23 26	0 20	21 23	1 29	9 55	0 30	15 11	0 25	19 20	4 10	19 8	19 22	1 13	16 12	6 25			
T 7	12 31	0n45	4 53	20 31	1 1	10 46	1 27	23 50	0 29	23 27	0 20	21 23	1 29	9 56	0 30	15 10	0 25	19 20	4 10	19 9	19 23	1 15	16 11	6 25			
F 8	12 11	4 56	5 10	20 18	1 8	10 18	1 27	23 49	0 30	23 27	0 20	21 24	1 29	9 56	0 30	15 9	0 25	19 20	4 10	19 9	19 23	1 18	16 10	6 26			
S 9	11 50	8 56	5 14	20 4	1 15	9 49	1 27	23 48	0 31	23 27	0 20	21 24	1 29	9 57	0 30	15 9	0 25	19 19	4 10	19 10	19 24	1 20	16 10	6 26			
S 10	11 29	12 37	5 4	19 49	1 21	9 21	1 26	23 46	0 31	23 28	0 20	21 24	1 30	9 58	0 30	15 8	0 25	19 19	4 10	19 11	19 25	1 22	16 9	6 26			
M 11	11 7	15 50	4 41	19 33	1 27	8 52	1 26	23 44	0 32	23 28	0 20	21 24	1 30	9 59	0 30	15 7	0 25	19 19	4 10	19 11	19 26	1 25	16 8	6 27			
T 12	10 46	18 25	4 5	19 15	1 33	8 23	1 25	23 42	0 33	23 28	0 21	21 25	1 30	10 0	0 30	15 7	0 25	19 19	4 10	19 11	19 26	1 27	16 7	6 27			
W 13	10 24	20 11	3 16	18 56	1 38	7 54	1 25	23 39	0 34	23 28	0 21	21 25	1 30	10 1	0 30	15 6	0 25	19 19	4 10	19 10	19 27	1 29	16 6	6 27			
T 14	10 2	20 56	2 15	18 36	1 43	7 24	1 24	23 37	0 35	23 29	0 21	21 25	1 30	10 1	0 30	15 5	0 25	19 19	4 10	19 10	19 28	1 32	16 5	6 28			
F 15	9 40	20 32	1 6	18 14	1 47	6 55	1 24	23 34	0 36	23 29	0 21	21 25	1 30	10 2	0 30	15 5	0 25	19 19	4 10	19 10	19 29	1 34	16 4	6 28			
S 16	9 18	18 52	0n10	17 51	1 52	6 25	1 23	23 31	0 37	23 29	0 21	21 25	1 30	10 3	0 30	15 4	0 25	19 19	4 10	19 9	19 29	1 36	16 3	6 29			
S 17	8 56	15 59	1 27	17 26	1 55	5 55	1 22	23 27	0 38	23 29	0 21	21 26	1 30	10 4	0 30	15 3	0 25	19 19	4 10	19 10	19 30	1 39	16 2	6 29			
M 18	8 33	12 1	2 40	17 0	1 59	5 25	1 21	23 24	0 39	23 29	0 21	21 26	1 30	10 5	0 30	15 2	0 25	19 19	4 10	19 10	19 31	1 41	16 1	6 30			
T 19	8 11	7 14	3 44	16 33	2 2	4 54	1 20	23 20	0 39	23 30	0 21	21 26	1 30	10 6	0 30	15 2	0 25	19 19	4 10	19 11	19 32	1 43	16 0	6 30			
W 20	7 48	1 59	4 32	16 5	2 5	4 24	1 19	23 16	0 40	23 30	0 21	21 26	1 30	10 7	0 30	15 1	0 25	19 19	4 10	19 12	19 32	1 46	16 0	6 30			
T 21	7 25	3s21	5 2	15 35	2 7	3 53	1 18	23 12	0 41	23 30	0 21	21 26	1 30	10 8	0 30	15 0	0 25	19 19	4 10	19 14	19 33	1 48	15 59	6 31			
F 22	7 3	8 26	5 11	15 3	2 9	3 23	1 17	23 7	0 42	23 30	0 21	21 26	1 31	10 9	0 30	15 0	0 25	19 19	4 10	19 15	19 34	1 50	15 58	6 31			
S 23	6 40	12 55	4 59	14 31	2 10	2 52	1 16	23 2	0 43	23 30	0 21	21 27	1 31	10 10	0 30	14 59	0 25	19 19	4 10	19 16	19 34	1 53	15 57	6 32			
S 24	6 17	16 34	4 30	13 57	2 11	2 21	1 15	22 57	0 44	23 30	0 21	21 27	1 31	10 11	0 30	14 58	0 25	19 19	4 10	19 16	19 35	1 55	15 56	6 32			
M 25	5 53	19 11	3 46	13 22	2 12	1 50	1 14	22 52	0 45	23 30	0 21	21 27	1 31	10 12	0 30	14 58	0 25	19 19	4 10	19 16	19 36	1 57	15 55	6 33			
T 26	5 30	20 40	2 50	12 45	2 12	1 19	1 12	22 47	0 46	23 30	0 21	21 27	1 31	10 13	0 30	14 57	0 25	19 19	4 10	19 16	19 37	2 0	15 54	6 33			
W 27	5 7	20 59	1 47	12 7	2 12	0 48	1 11	22 41	0 47	23 30	0 21	21 27	1 31	10 14	0 30	14 56	0 25	19 19	4 11	19 16	19 37	2 2	15 53	6 34			
T 28	4 44	20 11	0 40	11 27	2 11	0 17	1 10	22 35	0 48	23 30	0 22	21 27	1 31	10 15	0 30	14 56	0 25	19 19	4 11	19 16	19 38	2 4	15 52	6 34			
F 29	4s20	18s24	0s28	10s47	2s10	0n14	1s 8	22s29	0s49	23n30	0n22	21s27	1n31	10n16	0s30	14s55	0s25	19s19	4n11	19n16	19n39	2n 7	15s51	6n35			

ASTRODIENST EPHEMERIS for the year 1516
geocentric

APRIL 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 15 1	20°37'13	6°54	8°55	12°39	15°33	11°39	18°R13	29°32	21°58	1°R54	1°R29	0°50	20°34	18°33	T 1
W 2	13 18 58	21°35'50	18°45	10°24	13°52	16°17	11°45	18°11	29°35	22° 0	1°54	1°15	0°46	20°41	18°34	W 2
T 3	13 22 54	22°34'25	0°37	11°48	15° 5	17° 1	11°52	18°10	29°39	22° 1	1°53	1° 1	0°43	20°48	18°35	T 3
F 4	13 26 51	23°32'58	12°31	13° 7	16°19	17°45	11°58	18° 8	29°42	22° 2	1°53	0°47	0°40	20°55	18°36	F 4
S 5	13 30 47	24°31'30	24°27	14°22	17°32	18°29	12° 5	18° 7	29°46	22° 4	1°53	0°35	0°37	21° 1	18°37	S 5
S 6	13 34 44	25°29'59	6°29	15°31	18°45	19°13	12°12	18° 5	29°49	22° 5	1°52	0°25	0°34	21° 8	18°38	S 6
M 7	13 38 41	26°28'26	18°38	16°36	19°59	19°58	12°19	18° 3	29°53	22° 6	1°52	0°17	0°31	21°15	18°39	M 7
T 8	13 42 37	27°26'51	0°57	17°35	21°12	20°42	12°26	18° 1	29°56	22° 7	1°51	0°13	0°27	21°21	18°39	T 8
W 9	13 46 34	28°25'14	13°30	18°29	22°25	21°26	12°34	17°59	29°59	22° 9	1°51	0°11	0°24	21°28	18°40	W 9
T 10	13 50 30	29°23'35	26°22	19°17	23°38	22°10	12°41	17°57	0° 3	22°10	1°51	0°11	0°21	21°35	18°40	T 10
F 11	13 54 27	0°21'53	9°36	20° 1	24°51	22°54	12°49	17°55	0° 6	22°11	1°50	0°11	0°18	21°42	18°41	F 11
S 12	13 58 23	1°20'10	23°16	20°38	26° 4	23°38	12°57	17°53	0°10	22°12	1°50	0°10	0°15	21°48	18°41	S 12
S 13	14 2 20	2°18'24	7°23	21°10	27°17	24°22	13° 5	17°50	0°13	22°13	1°49	0° 7	0°12	21°55	18°41	S 13
M14	14 6 16	3°16'37	21°58	21°37	28°30	25° 6	13°13	17°48	0°17	22°14	1°48	0° 1	0° 8	22° 2	18°41	M14
T 15	14 10 13	4°14'47	6°56	21°58	29°43	25°50	13°21	17°45	0°20	22°15	1°48	29°53	0° 5	22° 9	18°41	T 15
W16	14 14 10	5°12'55	22° 9	22°14	0°56	26°34	13°29	17°43	0°24	22°16	1°47	29°43	0° 2	22°15	18°R42	W16
T 17	14 18 6	6°11'02	7°29	22°24	2° 9	27°18	13°38	17°40	0°27	22°17	1°46	29°32	29°59	22°22	18°41	T 17
F 18	14 22 3	7° 9'07	22°42	22°R29	3°21	28° 2	13°46	17°37	0°31	22°18	1°46	29°22	29°56	22°29	18°41	F 18
S 19	14 25 59	8° 7'10	7°38	22°29	4°34	28°46	13°55	17°35	0°34	22°19	1°45	29°13	29°52	22°35	18°41	S 19
S 20	14 29 56	9° 5'12	22°10	22°24	5°47	29°30	14° 3	17°32	0°37	22°20	1°44	29° 7	29°49	22°42	18°41	S 20
M21	14 33 52	10° 3'13	6°31	22°13	6°59	0°14	14°12	17°29	0°41	22°20	1°43	29° 3	29°46	22°49	18°40	M21
T 22	14 37 49	11° 1'12	19°46	21°59	8°12	0°58	14°21	17°26	0°44	22°21	1°43	29° 1	29°43	22°56	18°40	T 22
W23	14 41 45	11°59'10	2°52	21°40	9°25	1°41	14°30	17°22	0°48	22°22	1°42	29°D 1	29°40	23° 2	18°39	W23
T 24	14 45 42	12°57'07	15°34	21°17	10°37	2°25	14°39	17°19	0°51	22°23	1°41	29°R 1	29°37	23° 9	18°39	T 24
F 25	14 49 39	13°55'02	27°56	20°51	11°50	3° 9	14°49	17°16	0°54	22°23	1°40	29° 0	29°33	23°16	18°38	F 25
S 26	14 53 35	14°52'56	10°4	20°21	13° 2	3°53	14°58	17°13	0°58	22°24	1°39	28°58	29°30	23°22	18°37	S 26
S 27	14 57 32	15°50'48	22° 2	19°50	14°14	4°37	15° 8	17° 9	1° 1	22°25	1°38	28°53	29°27	23°29	18°36	S 27
M28	15 1 28	16°48'39	3°55	19°17	15°27	5°21	15°17	17° 6	1° 5	22°25	1°37	28°45	29°24	23°36	18°36	M28
T 29	15 5 25	17°46'29	15°46	18°42	16°39	6° 4	15°27	17° 2	1° 8	22°26	1°36	28°35	29°21	23°43	18°35	T 29
W30	15 9 21	18°44'18	27°38	18° 7	17°51	6°48	15°37	16°59	1°11	22°26	1°35	28°23	29°17	23°49	18°33	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	8n 4	1s26	4s33	16n32	2n 8	15n43	0n 3	17s29	1s20	23n22	0n23	21s25	1n34	10n53	0s29	14s38	0s26	19s18	4n12	19n53	20n 1	3n22	15s25	6n52	
W 2	8 26	2n51	4 53	17 8	2 16	16 8	0 6	17 17	1 21	23 22	0 23	21 25	1 34	10 54	0 29	14 37	0 26	19 18	4 12	19 56	20 2	3 24	15 24	6 53	
T 3	8 48	7 2	5 0	17 41	2 23	16 32	0 8	17 5	1 22	23 21	0 23	21 25	1 34	10 55	0 29	14 37	0 26	19 18	4 12	19 59	20 3	3 26	15 23	6 53	
F 4	9 10	10 58	4 54	18 12	2 30	16 56	0 11	16 52	1 23	23 21	0 23	21 24	1 34	10 57	0 29	14 36	0 26	19 18	4 12	20 2	20 4	3 29	15 22	6 54	
S 5	9 32	14 30	4 35	18 40	2 36	17 20	0 14	16 39	1 24	23 20	0 23	21 24	1 34	10 58	0 29	14 36	0 26	19 18	4 12	20 5	20 4	3 31	15 22	6 54	
S 6	9 53	17 27	4 3	19 5	2 40	17 43	0 17	16 26	1 25	23 19	0 23	21 24	1 34	10 59	0 29	14 36	0 26	19 18	4 12	20 7	20 5	3 34	15 21	6 55	
M 7	10 14	19 41	3 20	19 28	2 44	18 5	0 19	16 13	1 26	23 19	0 23	21 24	1 34	11 0	0 29	14 35	0 26	19 18	4 12	20 8	20 6	3 36	15 20	6 55	
T 8	10 35	21 2	2 28	19 47	2 47	18 28	0 22	16 0	1 27	23 18	0 23	21 24	1 34	11 1	0 29	14 35	0 26	19 18	4 12	20 9	20 6	3 38	15 20	6 56	
W 9	10 56	21 22	1 27	20 4	2 49	18 49	0 25	15 47	1 28	23 18	0 23	21 23	1 34	11 3	0 29	14 34	0 26	19 18	4 12	20 10	20 7	3 41	15 19	6 57	
T 10	11 17	20 36	0 20	20 19	2 50	19 10	0 27	15 34	1 29	23 17	0 23	21 23	1 34	11 4	0 29	14 34	0 26	19 18	4 12	20 10	20 8	3 43	15 18	6 57	
F 11	11 38	18 41	0n50	20 30	2 49	19 31	0 30	15 20	1 30	23 16	0 23	21 23	1 35	11 5	0 29	14 34	0 26	19 17	4 12	20 10	20 8	3 45	15 18	6 58	
S 12	11 58	15 40	1 59	20 39	2 48	19 51	0 33	15 6	1 31	23 16	0 23	21 23	1 35	11 6	0 29	14 33	0 26	19 17	4 12	20 10	20 9	3 48	15 17	6 58	
S 13	12 18	11 39	3 3	20 45	2 45	20 11	0 36	14 53	1 32	23 15	0 24	21 22	1 35	11 8	0 29	14 33	0 26	19 17	4 12	20 11	20 10	3 50	15 16	6 59	
M14	12 38	6 50	3 57	20 49	2 41	20 30	0 38	14 39	1 33	23 14	0 24	21 22	1 35	11 9	0 29	14 33	0 26	19 17	4 12	20 12	20 10	3 52	15 16	7 0	
T 15	12 58	1 29	4 37	20 49	2 36	20 48	0 41	14 25	1 34	23 13	0 24	21 22	1 35	11 10	0 29	14 32	0 26	19 17	4 12	20 14	20 11	3 55	15 15	7 0	
W16	13 18	4s 3	4 58	20 48	2 30	21 6	0 44	14 11	1 35	23 12	0 24	21 21	1 35	11 11	0 29	14 32	0 26	19 17	4 12	20 16	20 12	3 57	15 15	7 1	
T 17	13 37	9 21	4 57	20 43	2 23	21 24	0 46	13 56	1 36	23 12	0 24	21 21	1 35	11 12	0 29	14 32	0 26	19 17	4 12	20 18	20 12	3 59	15 14	7 1	
F 18	13 56	14 2	4 36	20 36	2 14	21 41	0 49	13 42	1 37	23 11	0 24	21 21	1 35	11 14	0 29	14 32	0 26	19 17	4 12	20 20	20 13	4 2	15 14	7 2	
S 19	14 15	17 45	3 56	20 26	2 4	21 57	0 51	13 28	1 38	23 10	0 24	21 21	1 35	11 15	0 29	14 31	0 26	19 17	4 12	20 22	20 14	4 4	15 13	7 2	
S 20	14 34	20 15	3 2	20 14	1 53	22 13	0 54	13 13	1 39	23 9	0 24	21 20	1 35	11 16	0 29	14 31	0 26	19 17	4 12	20 23	20 14	4 7	15 13	7 3	
M21	14 52	21 24	1 58	20 0	1 41	22 28	0 57	12 58	1 40	23 8	0 24	21 20	1 35	11 17	0 29	14 31	0 26	19 17	4 12	20 24	20 15	4 9	15 12	7 4	
T 22	15 10	21 14	0 49	19 44	1 28	22 42	0 59	12 44	1 41	23 7	0 24	21 20	1 35	11 18	0 29	14 31	0 26	19 17	4 12	20 24	20 16	4 11	15 11	7 4	
W23	15 28	19 54	0s20	19 25	1 14	22 56	1 2	12 29	1 41	23 6	0 24	21 19	1 35	11 20	0 29	14 30	0 26	19 17	4 12	20 24	20 16	4 14	15 11	7 5	
T 24	15 46	17 35	1 26	19 5	0 59	23 9	1 4	12 14	1 42	23 5	0 24	21 19	1 35	11 21	0 29	14 30	0 26	19 17	4 12	20 24	20 17	4 16	15 11	7 5	
F 25	16 3	14 31	2 27	18 43	0 43	23 22	1 7	11 59	1 43	23 4	0 24	21 19	1 35	11 22	0 29	14 30	0 26	19 17	4 12	20 25	20 18	4 18	15 10	7 6	
S 26	16 21	10 53	3 19	18 19	0 27	23 34	1 9	11 44	1 44	23 3	0 24	21 18	1 35	11 23	0 29	14 30	0 26	19 18	4 12	20 25	20 18	4 21	15 10	7 6	
S 27	16 37	6 52	4 2	17 54	0 10	23 45	1 11	11 29	1 45	23 2	0 24	21 18	1 35	11 24	0 29	14 30	0 26	19 18	4 12	20 26	20 19	4 23	15 9	7 7	
M28	16 54	2 38	4 34	17 28	0s 7	23 55	1 14	11 13	1 46	23 1	0 24	21 18	1 35	11 26	0 29	14 29	0 26	19 18	4 12	20 28	20 20	4 26	15 9	7 8	
T 29	17 10	1n42	4 54	17 2	0 25	24 5	1 16	10 58	1 47	23 0	0 24	21 17	1 35	11 27	0 29	14 29	0 26	19 18	4 12	20 30	20 20	4 28	15 8	7 8	
W30	17n27	5n58	5s 1	16n36	0s42	24n15	1n18	10s43	1s48	22n59	0n24	21s17	1n35	11n28	0s29	14s29	0s26	19s18	4n12	20n32	20n21	4n30	15s 8	7n 9	

ASTRODIENST EPHEMERIS for the year 1516
geocentric

MAY 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	15 13 18	19°8'42"05	9°8'32	17°R32	19°II 3	7°H32	15°547	16°R55	1°B15	22°227	1°R34	28°R10	29°514	23°Y56	18°R32	T 1
F 2	15 17 14	20°39'51	21°30	16°B57	20°16	8°15	15°57	16°A51	1°18	22°27	1°B33	27°58	29°11	24°3	18°B31	F 2
S 3	15 21 11	21°37'36	3°II34	16°24	21°28	8°59	16°7	16°48	1°21	22°28	1°32	27°47	29°8	24°10	18°30	S 3
S 4	15 25 8	22°35'19	15°45	15°52	22°40	9°43	16°17	16°44	1°25	22°28	1°31	27°38	29°5	24°16	18°28	S 4
M 5	15 29 4	23°33'01	28°4	15°23	23°52	10°26	16°27	16°40	1°28	22°28	1°30	27°31	29°2	24°23	18°27	M 5
T 6	15 33 1	24°30'42	10°533	14°56	25°4	11°10	16°38	16°36	1°31	22°29	1°29	27°28	28°58	24°30	18°25	T 6
W 7	15 36 57	25°28'21	23°14	14°33	26°16	11°53	16°48	16°32	1°34	22°29	1°28	27°D26	28°55	24°36	18°24	W 7
T 8	15 40 54	26°25'58	6°Ω11	14°13	27°28	12°36	16°59	16°28	1°37	22°29	1°27	27°26	28°52	24°43	18°22	T 8
F 9	15 44 40	27°23'34	19°25	13°57	28°39	13°20	17°9	16°24	1°41	22°30	1°25	27°27	28°49	24°50	18°21	F 9
S 10	15 48 47	28°21'09	3°III1	13°45	29°51	14°3	17°20	16°20	1°44	22°30	1°24	27°R27	28°46	24°57	18°19	S 10
S 11	15 52 43	29°18'41	16°59	13°37	1°53	3	14°46	17°31	1°47	22°30	1°23	27°26	28°43	25°3	18°17	S 11
M12	15 56 40	0°II16'13	1°A20	13°D33	2°14	15°30	17°42	16°12	1°50	22°30	1°22	27°22	28°39	25°10	18°15	M12
T 13	16 0 37	1°13'43	16°1	13°34	3°26	16°13	17°53	16°8	1°53	22°30	1°21	27°17	28°36	25°17	18°13	T 13
W14	16 4 33	2°11'12	0°III58	13°40	4°37	16°56	18°4	16°4	1°56	22°30	1°19	27°10	28°33	25°23	18°11	W14
T 15	16 8 30	3°8'39	16°1	13°49	5°49	17°39	18°15	15°59	2°0	22°30	1°18	27°2	28°30	25°30	18°9	T 15
F 16	16 12 26	4°6'06	1°A2	14°4	7°0	18°22	18°26	15°55	2°3	22°R30	1°17	26°54	28°27	25°37	18°7	F 16
S 17	16 16 23	5°3'31	15°52	14°23	8°12	19°5	18°37	15°51	2°6	22°30	1°15	26°47	28°23	25°44	18°4	S 17
S 18	16 20 19	6°0'56	0°B21	14°46	9°23	19°48	18°49	15°46	2°9	22°30	1°14	26°43	28°20	25°50	18°2	S 18
M19	16 24 16	6°58'20	14°26	15°13	10°34	20°31	19°0	15°42	2°12	22°30	1°13	26°40	28°17	25°57	18°0	M19
T 20	16 28 12	7°55'43	28°3	15°45	11°45	21°14	19°12	15°38	2°15	22°30	1°11	26°D39	28°14	26°4	17°57	T 20
W21	16 32 9	8°53'05	11°A14	16°21	12°56	21°56	19°23	15°33	2°18	22°30	1°10	26°40	28°11	26°11	17°55	W21
T 22	16 36 6	9°50'27	24°0	17°1	14°7	22°39	19°35	15°29	2°20	22°30	1°9	26°41	28°8	26°17	17°52	T 22
F 23	16 40 2	10°47'48	6°H26	17°45	15°18	23°22	19°46	15°25	2°23	22°30	1°7	26°R42	28°4	26°24	17°50	F 23
S 24	16 43 59	11°45'09	18°36	18°33	16°29	24°4	19°58	15°20	2°26	22°29	1°6	26°42	28°1	26°31	17°47	S 24
S 25	16 47 55	12°42'29	0°Y36	19°24	17°40	24°47	20°10	15°16	2°29	22°29	1°4	26°40	27°58	26°37	17°44	S 25
M26	16 51 52	13°39'49	12°29	20°20	18°51	25°29	20°22	15°11	2°32	22°29	1°3	26°37	27°55	26°44	17°42	M26
T 27	16 55 48	14°37'08	24°21	21°19	20°1	26°11	20°34	15°7	2°35	22°28	1°1	26°31	27°52	26°51	17°39	T 27
W28	16 59 45	15°34'27	6°B14	22°21	21°12	26°54	20°46	15°3	2°37	22°28	1°0	26°25	27°49	26°58	17°36	W28
T 29	17 3 41	16°31'45	18°12	23°27	22°23	27°36	20°58	14°58	2°40	22°28	0°59	26°18	27°45	27°4	17°33	T 29
F 30	17 7 38	17°29'03	0°II17	24°37	23°33	28°18	21°10	14°54	2°43	22°27	0°57	26°11	27°42	27°11	17°30	F 30
S 31	17 11 35	18°II26'20	12°II31	25°B50	24°543	29°H0	21°522	14°A49	2°B45	22°27	0°B56	26°54	27°539	27°Y18	17°B27	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
T 1	17n42	10n 2	4s56	16n 9	0s59	24n23	1n20	10s27	1s49	22n58	0n24	21s17	1n35	11n29	0s29	14s29	0s26	19s18	4n12	20n35	20n22	4n33	15s 8	7n 9
F 2	17 58	13 44	4 37	15 43	1 17	24 31	1 23	10 12	1 50	22 57	0 24	21 16	1 35	11 30	0 29	14 29	0 26	19 18	4 12	20 37	20 22	4 35	15 7	7 10
S 3	18 13	16 54	4 5	15 18	1 33	24 38	1 25	9 56	1 51	22 56	0 24	21 16	1 35	11 31	0 29	14 29	0 26	19 18	4 12	20 40	20 23	4 37	15 7	7 10
S 4	18 28	19 23	3 23	14 53	1 49	24 45	1 27	9 40	1 52	22 54	0 24	21 15	1 35	11 32	0 29	14 29	0 26	19 18	4 12	20 41	20 24	4 40	15 6	7 11
M 5	18 43	20 59	2 30	14 30	2 5	24 50	1 29	9 25	1 53	22 53	0 24	21 15	1 35	11 34	0 29	14 29	0 27	19 18	4 12	20 43	20 24	4 42	15 6	7 11
T 6	18 57	21 36	1 29	14 9	2 19	24 55	1 31	9 9	1 54	22 52	0 24	21 15	1 35	11 35	0 29	14 28	0 27	19 18	4 12	20 43	20 25	4 45	15 6	7 12
W 7	19 11	21 8	0 22	13 49	2 33	25 0	1 33	8 53	1 55	22 51	0 24	21 14	1 35	11 36	0 29	14 28	0 27	19 18	4 12	20 44	20 26	4 47	15 6	7 12
T 8	19 24	19 32	0n47	13 31	2 45	25 3	1 35	8 37	1 55	22 49	0 25	21 14	1 35	11 37	0 29	14 28	0 27	19 18	4 12	20 44	20 26	4 49	15 5	7 13
F 9	19 38	16 51	1 55	13 15	2 57	25 6	1 36	8 21	1 56	22 48	0 25	21 14	1 35	11 38	0 29	14 28	0 27	19 18	4 12	20 43	20 27	4 52	15 5	7 13
S 10	19 51	13 12	2 58	13 2	3 7	25 8	1 38	8 5	1 57	22 47	0 25	21 13	1 35	11 39	0 29	14 28	0 27	19 18	4 12	20 43	20 28	4 54	15 5	7 14
S 11	20 3	8 44	3 53	12 50	3 17	25 10	1 40	7 50	1 58	22 46	0 25	21 13	1 35	11 40	0 29	14 28	0 27	19 18	4 12	20 44	20 28	4 56	15 4	7 14
M12	20 16	3 40	4 35	12 41	3 25	25 11	1 42	7 34	1 59	22 44	0 25	21 12	1 35	11 41	0 29	14 28	0 27	19 18	4 12	20 44	20 29	4 59	15 4	7 15
T 13	20 28	1s43	5 0	12 35	3 32	25 11	1 43	7 17	2 0	22 43	0 25	21 12	1 35	11 42	0 29	14 28	0 27	19 18	4 12	20 45	20 30	5 1	15 4	7 15
W14	20 39	7 4	5 5	12 31	3 38	25 10	1 45	7 1	2 1	22 41	0 25	21 12	1 35	11 43	0 29	14 28	0 27	19 18	4 12	20 47	20 30	5 4	15 4	7 16
T 15	20 50	12 4	4 49	12 29	3 43	25 8	1 46	6 45	2 2	22 40	0 25	21 11	1 35	11 45	0 29	14 28	0 27	19 18	4 12	20 48	20 31	5 6	15 4	7 16
F 16	21 1	16 17	4 13	12 30	3 46	25 6	1 48	6 29	2 2	22 38	0 25	21 11	1 35	11 46	0 29	14 28	0 27	19 18	4 12	20 50	20 32	5 8	15 3	7 17
S 17	21 12	19 25	3 21	12 33	3 49	25 3	1 49	6 13	2 3	22 37	0 25	21 10	1 35	11 47	0 29	14 28	0 27	19 18	4 12	20 51	20 32	5 11	15 3	7 17
S 18	21 22	21 13	2 17	12 38	3 51	25 0	1 50	5 57	2 4	22 35	0 25	21 10	1 35	11 48	0 29	14 28	0 27	19 18	4 11	20 52	20 33	5 13	15 3	7 18
M19	21 32	21 38	1 5	12 45	3 51	24 56	1 51	5 41	2 5	22 34	0 25	21 9	1 35	11 49	0 29	14 28	0 27	19 18	4 11	20 53	20 33	5 15	15 3	7 18
T 20	21 41	20 44	0s 8	12 55	3 51	24 51	1 52	5 25	2 6	22 32	0 25	21 9	1 35	11 50	0 29	14 28	0 27	19 18	4 11	20 53	20 34	5 18	15 3	7 18
W21	21 50	18 42	1 18	13 6	3 50	24 45	1 53	5 8	2 6	22 31	0 25	21 9	1 35	11 51	0 29	14 28	0 27	19 18	4 11	20 53	20 35	5 20	15 3	7 19
T 22	21 59	15 47	2 22	13 19	3 48	24 39	1 54	4 52	2 7	22 29	0 25	21 8	1 35	11 52	0 29	14 29	0 27	19 18	4 11	20 52	20 35	5 23	15 3	7 19
F 23	22 7	12 14	3 18	13 34	3 45	24 32	1 55	4 36	2 8	22 27	0 25	21 8	1 35	11 53	0 29	14 29	0 27	19 19	4 11	20 52	20 36	5 25	15 3	7 20
S 24	22 15	8 15	4 4	13 51	3 41	24 24	1 56	4 20	2 9	22 26	0 25	21 7	1 35	11 54	0 29	14 29	0 27	19 19	4 11	20 52	20 37	5 27	15 3	7 20
S 25	22 23	4 0	4 38	14 9	3 37	24 15	1 57	4 4	2 10	22 24	0 25	21 7	1 35	11 55	0 29	14 29	0 27	19 19	4 11	20 53	20 37	5 30	15 2	7 20
M26	22 30	0n21	5 0	14 29	3 31	24 6	1 57	3 48	2 10	22 22	0 25	21 7	1 35	11 56	0 29	14 29	0 27	19 19	4 11	20 53	20 38	5 32	15 2	7 21
T 27	22 37	4 40	5 9	14 50	3 25	23 57	1 58	3 31	2 11	22 21	0 25	21 6	1 34	11 57	0 29	14 29	0 27	19 19	4 11	20 54	20 39	5 34	15 2	7 21
W28	22 43	8 50	5 4	15 12	3 19	23 46	1 58	3 15	2 12	22 19	0 26	21 6	1 34	11 57	0 29	14 29	0 27	19 19	4 11	20 55	20 39	5 37	15 2	7 22
T 29	22 49	12 42	4 47	15 36	3 12	23 35	1 59	2 59	2 13	22 17	0 26	21 5	1 34	11 58	0 29	14 29	0 27	19 19	4 11	20 57	20 40	5 39	15 2	7 22
F 30	22 55	16 5	4 16	16 0	3 4	23 24	1 59	2 43	2 13	22 15	0 26	21 5	1 34	11 59	0 29	14 30	0 27	19 19	4 11	20 58	20 40	5 42	15 2	7 22
S 31	23n 0	18n49	3s34	16n25	2s56	23n11	1n59	2s27	2s14	22n13	0n26	21s 4	1n34	12n 0	0s29	14s30	0s27	19s19	4n11	20n59	20n41	5n44	15s 2	7n23

ASTRODIENST EPHEMERIS for the year 1516

geocentric

AUGUST 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 16 1	17 ⁰ 40'25	20 ¹¹ 30	14 ¹¹ 30	3 ⁴ 33	7 ⁸ 45	4 ⁰ 47	11 ¹ R47	4 ¹ R12	21 ¹ R12	29 ¹ R32	25 ¹ R32	24 ⁰ 22	4 ⁸ 15	13 ¹ R57	F 1
S 2	21 19 58	18 ⁰ 38'10	4 ⁴ 52	15 ⁰ 39	4 ⁴ 33	8 ¹ 15	5 ⁰ 0	11 ¹ ♂46	4 ⁸ 12	21 ¹ ≈10	29 ¹ ♂31	25 ¹ ♂29	24 ⁰ 19	4 ² 21	13 ¹ ♂54	S 2
S 3	21 23 54	19 ⁰ 35'55	19 ⁰ 16	16 ⁰ 45	5 ⁰ 33	8 ⁰ 45	5 ⁰ 13	11 ⁰ 46	4 ⁰ 12	21 ⁰ 8	29 ⁰ 30	25 ⁰ 27	24 ⁰ 16	4 ² 28	13 ⁰ 51	S 3
M 4	21 27 51	20 ⁰ 33'42	3 ¹¹ 39	17 ⁰ 49	6 ⁰ 33	9 ⁰ 15	5 ⁰ 26	11 ⁰ 46	4 ⁰ 12	21 ⁰ 7	29 ⁰ 30	25 ⁰ 25	24 ⁰ 12	4 ² 35	13 ⁰ 49	M 4
T 5	21 31 47	21 ⁰ 31'30	17 ⁰ 55	18 ⁰ 50	7 ⁰ 32	9 ⁰ 44	5 ⁰ 39	11 ⁰ 46	4 ⁰ 11	21 ⁰ 5	29 ⁰ 29	25 ⁰ D24	24 ⁰ 9	4 ² 42	13 ⁰ 46	T 5
W 6	21 35 44	22 ⁰ 29'19	2 ¹¹ 3	19 ⁰ 48	8 ⁰ 31	10 ⁰ 13	5 ⁰ 52	11 ⁰ 45	4 ⁰ 11	21 ⁰ 4	29 ⁰ 28	25 ⁰ 24	24 ⁰ 6	4 ² 48	13 ⁰ 44	W 6
T 7	21 39 40	23 ⁰ 27'10	16 ⁰ 0	20 ⁰ 44	9 ⁰ 29	10 ⁰ 41	6 ⁰ 5	11 ⁰ D45	4 ⁰ 11	21 ⁰ 2	29 ⁰ 27	25 ⁰ 25	24 ⁰ 3	4 ² 55	13 ⁰ 41	T 7
F 8	21 43 37	24 ⁰ 25'01	29 ⁰ 47	21 ⁰ 37	10 ⁰ 27	11 ⁰ 10	6 ⁰ 18	11 ⁰ 45	4 ⁰ 10	21 ⁰ 0	29 ⁰ 27	25 ⁰ 27	24 ⁰ 0	5 ² 2	13 ⁰ 39	F 8
S 9	21 47 34	25 ⁰ 22'54	13 ⁰ 32	22 ⁰ 27	11 ⁰ 25	11 ⁰ 37	6 ⁰ 31	11 ⁰ 46	4 ⁰ 10	20 ⁰ 59	29 ⁰ 26	25 ⁰ 28	23 ⁰ 57	5 ² 8	13 ⁰ 37	S 9
S 10	21 51 30	26 ⁰ 20'49	26 ⁰ 45	23 ⁰ 14	12 ⁰ 22	12 ⁰ 5	6 ⁰ 44	11 ⁰ 46	4 ⁰ 9	20 ⁰ 57	29 ⁰ 25	25 ⁰ R28	23 ⁰ 53	5 ² 15	13 ⁰ 34	S 10
M 11	21 55 27	27 ⁰ 18'44	9 ¹¹ 56	23 ⁰ 57	13 ⁰ 19	12 ⁰ 31	6 ⁰ 56	11 ⁰ 46	4 ⁰ 9	20 ⁰ 55	29 ⁰ 25	25 ⁰ 27	23 ⁰ 50	5 ² 22	13 ⁰ 32	M 11
T 12	21 59 23	28 ⁰ 16'41	22 ⁰ 54	24 ⁰ 36	14 ⁰ 16	12 ⁰ 58	7 ⁰ 9	11 ⁰ 47	4 ⁰ 8	20 ⁰ 54	29 ⁰ 24	25 ⁰ 25	23 ⁰ 47	5 ² 29	13 ⁰ 30	T 12
W 13	22 3 20	29 ⁰ 14'40	5 ¹¹ 39	25 ⁰ 12	15 ⁰ 12	13 ⁰ 24	7 ⁰ 22	11 ⁰ 47	4 ⁰ 8	20 ⁰ 52	29 ⁰ 23	25 ⁰ 21	23 ⁰ 44	5 ² 35	13 ⁰ 28	W 13
T 14	22 7 16	0 ¹¹ 12'40	18 ⁰ 12	25 ⁰ 43	16 ⁰ 7	13 ⁰ 50	7 ⁰ 35	11 ⁰ 48	4 ⁰ 7	20 ⁰ 51	29 ⁰ 23	25 ⁰ 16	23 ⁰ 41	5 ² 42	13 ⁰ 26	T 14
F 15	22 11 13	1 ⁰ 10'42	0 ¹¹ 32	26 ⁰ 10	17 ⁰ 2	14 ⁰ 15	7 ⁰ 47	11 ⁰ 49	4 ⁰ 6	20 ⁰ 49	29 ⁰ 22	25 ⁰ 9	23 ⁰ 38	5 ² 49	13 ⁰ 24	F 15
S 16	22 15 9	2 ⁰ 8'46	12 ⁰ 41	26 ⁰ 33	17 ⁰ 56	14 ⁰ 39	8 ⁰ 0	11 ⁰ 50	4 ⁰ 6	20 ⁰ 47	29 ⁰ 22	25 ⁰ 3	23 ⁰ 34	5 ² 55	13 ⁰ 22	S 16
S 17	22 19 6	3 ⁰ 6'52	24 ⁰ 41	26 ⁰ 50	18 ⁰ 50	15 ⁰ 4	8 ⁰ 13	11 ⁰ 51	4 ⁰ 5	20 ⁰ 46	29 ⁰ 21	24 ⁰ 57	23 ⁰ 31	6 ² 2	13 ⁰ 20	S 17
M 18	22 23 2	4 ⁰ 4'59	6 ¹¹ 35	27 ⁰ 2	19 ⁰ 43	15 ⁰ 27	8 ⁰ 25	11 ⁰ 52	4 ⁰ 4	20 ⁰ 44	29 ⁰ 21	24 ⁰ 52	23 ⁰ 28	6 ² 9	13 ⁰ 19	M 18
T 19	22 26 59	5 ⁰ 3'09	18 ⁰ 27	27 ⁰ 8	20 ⁰ 36	15 ⁰ 51	8 ⁰ 38	11 ⁰ 53	4 ⁰ 3	20 ⁰ 43	29 ⁰ 20	24 ⁰ 49	23 ⁰ 25	6 ² 16	13 ⁰ 17	T 19
W 20	22 30 56	6 ⁰ 1'20	0 ¹¹ 21	27 ⁰ R 9	21 ⁰ 28	16 ⁰ 13	8 ⁰ 50	11 ⁰ 54	4 ⁰ 2	20 ⁰ 41	29 ⁰ 20	24 ⁰ 47	23 ⁰ 22	6 ² 22	13 ⁰ 15	W 20
T 21	22 34 52	6 ⁰ 59'34	12 ⁰ 21	27 ⁰ 3	22 ⁰ 20	16 ⁰ 36	9 ⁰ 3	11 ⁰ 55	4 ⁰ 1	20 ⁰ 39	29 ⁰ 20	24 ⁰ D47	23 ⁰ 18	6 ² 29	13 ⁰ 14	T 21
F 22	22 38 49	7 ⁰ 57'50	24 ⁰ 33	26 ⁰ 51	23 ⁰ 11	16 ⁰ 57	9 ⁰ 15	11 ⁰ 57	4 ⁰ 0	20 ⁰ 38	29 ⁰ 19	24 ⁰ 48	23 ⁰ 15	6 ² 36	13 ⁰ 12	F 22
S 23	22 42 45	8 ⁰ 56'08	7 ¹¹ 32	26 ⁰ 33	24 ⁰ 1	17 ⁰ 19	9 ⁰ 27	11 ⁰ 58	3 ⁰ 59	20 ⁰ 36	29 ⁰ 19	24 ⁰ 50	23 ⁰ 12	6 ² 43	13 ⁰ 11	S 23
S 24	22 46 42	9 ⁰ 54'28	19 ⁰ 50	26 ⁰ 8	24 ⁰ 51	17 ⁰ 39	9 ⁰ 40	12 ⁰ 0	3 ⁰ 58	20 ⁰ 35	29 ⁰ 19	24 ⁰ R51	23 ⁰ 9	6 ² 49	13 ⁰ 10	S 24
M 25	22 50 38	10 ⁰ 52'49	3 ¹¹ 32	25 ⁰ 37	25 ⁰ 39	17 ⁰ 59	9 ⁰ 52	12 ⁰ 2	3 ⁰ 57	20 ⁰ 33	29 ⁰ 19	24 ⁰ 51	23 ⁰ 6	6 ² 56	13 ⁰ 8	M 25
T 26	22 54 35	11 ⁰ 51'13	16 ⁰ 42	24 ⁰ 59	26 ⁰ 27	18 ⁰ 19	10 ⁰ 4	12 ⁰ 3	3 ⁰ 55	20 ⁰ 32	29 ⁰ 18	24 ⁰ 48	23 ⁰ 3	7 ² 3	13 ⁰ 7	T 26
W 27	22 58 31	12 ⁰ 49'39	0 ¹¹ 46	24 ⁰ 15	27 ⁰ 15	18 ⁰ 37	10 ⁰ 16	12 ⁰ 5	3 ⁰ 54	20 ⁰ 30	29 ⁰ 18	24 ⁰ 44	22 ⁰ 59	7 ² 9	13 ⁰ 6	W 27
T 28	23 2 28	13 ⁰ 48'07	15 ⁰ 11	23 ⁰ 26	28 ⁰ 1	18 ⁰ 56	10 ⁰ 28	12 ⁰ 7	3 ⁰ 53	20 ⁰ 29	29 ⁰ 18	24 ⁰ 38	22 ⁰ 56	7 ² 16	13 ⁰ 5	T 28
F 29	23 6 25	14 ⁰ 46'37	29 ⁰ 52	22 ⁰ 31	28 ⁰ 47	19 ⁰ 13	10 ⁰ 40	12 ⁰ 9	3 ⁰ 52	20 ⁰ 27	29 ⁰ 18	24 ⁰ 31	22 ⁰ 53	7 ² 23	13 ⁰ 4	F 29
S 30	23 10 21	15 ⁰ 45'08	14 ¹¹ 42	21 ⁰ 33	29 ⁰ 32	19 ⁰ 30	10 ⁰ 52	12 ⁰ 12	3 ⁰ 50	20 ⁰ 26	29 ⁰ 18	24 ⁰ 23	22 ⁰ 50	7 ² 30	13 ⁰ 3	S 30
S 31	23 14 18	16 ⁰ 43'41	29 ¹¹ 31	20 ⁰ 31	0 ¹¹ 16	19 ⁰ ♂47	11 ⁰ ♂ 4	12 ⁰ ♂14	3 ⁰ ♂49	20 ⁰ ≈24	29 ¹ ♂18	24 ⁰ ♂15	22 ⁰ ♂47	7 ² ♂36	13 ⁰ ♂ 2	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
F 1	15n35	7n43	4n17	5n 2	1s11	2s23	1s 3	11n40	2s37	19n37	0n30	20s52	1n24	12n29	0s30	14s55	0s28	19s28	4n 2	21n 5	21n18	8n11	15s26	7n22	
S 2	15 17	2 33	4 54	4 26	1 21	2 52	1 9	11 50	2 36	19 33	0 30	20 52	1 24	12 29	0 30	14 56	0 28	19 28	4 2	21 6	21 19	8 14	15 27	7 22	
S 3	14 59	2s45	5 12	3 51	1 31	3 21	1 15	11 59	2 36	19 30	0 31	20 52	1 24	12 29	0 30	14 56	0 28	19 28	4 2	21 6	21 19	8 16	15 27	7 22	
M 4	14 40	7 53	5 11	3 17	1 41	3 51	1 21	12 9	2 36	19 27	0 31	20 52	1 24	12 29	0 30	14 57	0 28	19 29	4 1	21 7	21 20	8 19	15 28	7 21	
T 5	14 22	12 34	4 50	2 44	1 51	4 20	1 27	12 18	2 36	19 24	0 31	20 52	1 24	12 28	0 30	14 57	0 28	19 29	4 1	21 7	21 20	8 21	15 28	7 21	
W 6	14 3	16 30	4 12	2 12	2 1	4 49	1 34	12 27	2 36	19 21	0 31	20 53	1 23	12 28	0 30	14 58	0 28	19 29	4 1	21 7	21 21	8 23	15 29	7 21	
T 7	13 44	19 27	3 19	1 40	2 11	5 18	1 40	12 36	2 35	19 18	0 31	20 53	1 23	12 28	0 30	14 58	0 28	19 29	4 1	21 7	21 21	8 26	15 30	7 20	
F 8	13 25	21 14	2 16	1 10	2 21	5 47	1 46	12 45	2 35	19 15	0 31	20 53	1 23	12 28	0 30	14 59	0 29	19 29	4 0	21 6	21 22	8 28	15 30	7 20	
S 9	13 6	21 44	1 6	0 41	2 31	6 15	1 53	12 54	2 35	19 12	0 31	20 53	1 23	12 28	0 30	14 59	0 29	19 30	4 0	21 6	21 22	8 30	15 31	7 19	
S 10	12 46	20 58	0s 7	0 14	2 41	6 44	1 59	13 3	2 35	19 9	0 31	20 53	1 23	12 28	0 30	15 0	0 29	19 30	4 0	21 6	21 23	8 33	15 32	7 19	
M11	12 26	19 4	1 18	0s12	2 51	7 12	2 6	13 11	2 34	19 6	0 31	20 54	1 22	12 28	0 30	15 1	0 29	19 30	4 0	21 6	21 24	8 35	15 32	7 19	
T 12	12 6	16 11	2 24	0 37	3 0	7 40	2 13	13 19	2 34	19 2	0 32	20 54	1 22	12 27	0 30	15 1	0 29	19 30	4 0	21 7	21 24	8 38	15 33	7 18	
W13	11 46	12 35	3 21	0 59	3 10	8 8	2 19	13 28	2 34	18 59	0 32	20 54	1 22	12 27	0 30	15 2	0 29	19 31	3 59	21 7	21 25	8 40	15 33	7 18	
T 14	11 26	8 29	4 8	1 20	3 19	8 36	2 26	13 35	2 33	18 56	0 32	20 55	1 22	12 27	0 30	15 2	0 29	19 31	3 59	21 8	21 25	8 42	15 34	7 17	
F 15	11 5	4 6	4 42	1 39	3 27	9 3	2 33	13 43	2 33	18 53	0 32	20 55	1 22	12 27	0 30	15 3	0 29	19 31	3 59	21 10	21 26	8 45	15 35	7 17	
S 16	10 44	0n22	5 3	1 55	3 36	9 31	2 40	13 51	2 32	18 50	0 32	20 55	1 21	12 26	0 30	15 3	0 29	19 31	3 59	21 11	21 26	8 47	15 35	7 17	
S 17	10 23	4 47	5 10	2 9	3 43	9 58	2 47	13 58	2 32	18 47	0 32	20 55	1 21	12 26	0 30	15 4	0 29	19 31	3 59	21 12	21 27	8 49	15 36	7 16	
M18	10 2	8 58	5 4	2 20	3 50	10 25	2 54	14 6	2 31	18 43	0 32	20 56	1 21	12 26	0 30	15 4	0 29	19 32	3 58	21 13	21 27	8 52	15 36	7 16	
T 19	9 41	12 49	4 44	2 29	3 57	10 51	3 1	14 13	2 31	18 40	0 32	20 56	1 21	12 25	0 31	15 5	0 29	19 32	3 58	21 13	21 28	8 54	15 37	7 15	
W20	9 20	16 10	4 13	2 34	4 2	11 17	3 8	14 20	2 30	18 37	0 32	20 57	1 21	12 25	0 31	15 5	0 29	19 32	3 58	21 13	21 28	8 57	15 38	7 15	
T 21	8 58	18 52	3 30	2 36	4 7	11 43	3 15	14 27	2 30	18 34	0 33	20 57	1 20	12 25	0 31	15 6	0 29	19 32	3 58	21 13	21 29	8 59	15 38	7 14	
F 22	8 36	20 47	2 37	2 35	4 11	12 9	3 22	14 34	2 29	18 31	0 33	20 57	1 20	12 24	0 31	15 6	0 29	19 32	3 57	21 13	21 30	9 1	15 39	7 14	
S 23	8 14	21 44	1 35	2 30	4 13	12 34	3 29	14 40	2 28	18 28	0 33	20 58	1 20	12 24	0 31	15 7	0 29	19 33	3 57	21 13	21 30	9 4	15 39	7 13	
S 24	7 52	21 35	0 27	2 21	4 14	12 59	3 36	14 46	2 28	18 24	0 33	20 58	1 20	12 24	0 31	15 7	0 29	19 33	3 57	21 13	21 31	9 6	15 40	7 13	
M25	7 30	20 15	0n44	2 8	4 14	13 24	3 43	14 53	2 27	18 21	0 33	20 59	1 20	12 23	0 31	15 8	0 29	19 33	3 57	21 13	21 31	9 8	15 41	7 12	
T 26	7 8	17 42	1 55	1 52	4 12	13 49	3 50	14 59	2 26	18 18	0 33	20 59	1 19	12 23	0 31	15 8	0 29	19 33	3 57	21 13	21 32	9 11	15 41	7 12	
W27	6 46	14 3	3 1	1 31	4 9	14 13	3 58	15 5	2 26	18 15	0 33	20 59	1 19	12 22	0 31	15 9	0 29	19 34	3 56	21 14	21 32	9 13	15 42	7 11	
T 28	6 23	9 30	3 57	1 6	4 3	14 36	4 5	15 10	2 25	18 12	0 34	21 0	1 19	12 22	0 31	15 9	0 29	19 34	3 56	21 15	21 33	9 15	15 42	7 11	
F 29	6 1	4 18	4 39	0 38	3 56	15 0	4 12	15 16	2 24	18 9	0 34	21 0	1 19	12 21	0 31	15 10	0 29	19 34	3 56	21 16	21 33	9 18	15 43	7 10	
S 30	5 38	1s10	5 2	0 6	3 46	15 22	4 19	15 21	2 23	18 6	0 34	21 1	1 19	12 21	0 31	15 10	0 29	19 34	3 56	21 18	21 34	9 20	15 44	7 10	
S 31	5n15	6s34	5n 5	0n28	3s35	15s45	4s27	15n27	2s22	18n 2	0n34	21s 1	1n18	12n20	0s31	15s11	0s29	19s34	3n56	21n19	21n34	9n22	15s44	7n 9	

ASTRODIENST EPHEMERIS for the year 1516
geocentric

OCTOBER 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 16 31	17 ¹⁴ 14'54	22 ¹⁷ 56	5 ¹⁵ 58	11°R 6	21°R52	16 ¹⁰ 36	14 ¹⁷ 6	2°R48	19°R50	29 ¹⁷ 31	21°R23	21 ¹⁸ 8	11 ¹⁸ 4	13 ¹⁸ 16	W 1
T 2	1 20 27	18°14'32	6 ¹³ 54	7°40	10 ¹⁰ 54	21 ¹⁸ 43	16°45	14°11	2 ¹⁸ 45	19 ¹⁸ 50	29°32	21 ¹⁸ 21	21° 5	11°11	13°18	T 2
F 3	1 24 24	19°14'11	20°27	9°23	10°41	21°32	16°54	14°16	2°43	19°49	29°33	21°21	21° 2	11°18	13°20	F 3
S 4	1 28 20	20°13'52	3 ¹⁸ 37	11° 5	10°25	21°21	17° 3	14°21	2°41	19°48	29°34	21°21	20°59	11°25	13°22	S 4
S 5	1 32 17	21°13'34	16°29	12°48	10° 6	21° 8	17°12	14°26	2°38	19°48	29°35	21°19	20°55	11°31	13°23	S 5
M 6	1 36 14	22°13'19	29° 5	14°30	9°46	20°55	17°20	14°31	2°36	19°47	29°36	21°16	20°52	11°38	13°25	M 6
T 7	1 40 10	23°13'05	11 ¹⁸ 30	16°13	9°23	20°42	17°29	14°37	2°33	19°47	29°37	21° 9	20°49	11°45	13°28	T 7
W 8	1 44 7	24°12'53	23°44	17°54	8°58	20°27	17°38	14°42	2°31	19°46	29°39	20°59	20°46	11°51	13°30	W 8
T 9	1 48 3	25°12'43	5 ¹⁷ 52	19°36	8°31	20°12	17°46	14°47	2°29	19°46	29°40	20°47	20°43	11°58	13°32	T 9
F 10	1 52 0	26°12'34	17°53	21°17	8° 2	19°56	17°54	14°53	2°26	19°45	29°41	20°33	20°40	12° 5	13°34	F 10
S 11	1 55 56	27°12'28	29°50	22°58	7°32	19°39	18° 2	14°58	2°24	19°45	29°42	20°18	20°36	12°12	13°36	S 11
S 12	1 59 53	28°12'23	11 ¹⁸ 43	24°38	7° 0	19°22	18°10	15° 4	2°21	19°45	29°43	20° 4	20°33	12°18	13°39	S 12
M13	2 3 49	29°12'21	23°34	26°18	6°26	19° 4	18°18	15° 9	2°19	19°44	29°44	19°52	20°30	12°25	13°41	M13
T 14	2 7 46	0 ¹⁰ 12'20	5 ¹¹ 25	27°57	5°52	18°45	18°26	15°15	2°16	19°44	29°46	19°42	20°27	12°32	13°44	T 14
W15	2 11 43	1°12'22	17°17	29°36	5°16	18°26	18°33	15°20	2°14	19°44	29°47	19°35	20°24	12°38	13°47	W15
T 16	2 15 39	2°12'26	29°16	1 ¹⁰ 15	4°40	18° 7	18°41	15°26	2°11	19°43	29°48	19°31	20°21	12°45	13°49	T 16
F 17	2 19 36	3°12'32	11 ¹⁸ 23	2°53	4° 4	17°47	18°48	15°32	2° 9	19°43	29°50	19°29	20°17	12°52	13°52	F 17
S 18	2 23 32	4°12'40	23°45	4°30	3°27	17°26	18°55	15°38	2° 6	19°43	29°51	19°D29	20°14	12°59	13°55	S 18
S 19	2 27 29	5°12'50	6 ¹⁰ 25	6° 7	2°51	17° 6	19° 2	15°44	2° 4	19°43	29°52	19°R29	20°11	13° 5	13°58	S 19
M20	2 31 25	6°13'02	19°29	7°44	2°15	16°44	19° 9	15°49	2° 1	19°43	29°54	19°28	20° 8	13°12	14° 1	M20
T 21	2 35 22	7°13'16	3 ¹⁰ 1	9°20	1°39	16°23	19°16	15°55	1°59	19°43	29°55	19°26	20° 5	13°19	14° 4	T 21
W22	2 39 18	8°13'32	17° 2	10°56	1° 5	16° 1	19°23	16° 1	1°56	19°D43	29°57	19°21	20° 1	13°25	14° 7	W22
T 23	2 43 15	9°13'51	1 ¹⁰ 33	12°32	0°31	15°40	19°29	16° 7	1°54	19°43	29°58	19°13	19°58	13°32	14°10	T 23
F 24	2 47 12	10°14'11	16°29	14° 7	29 ¹⁰ 59	15°18	19°35	16°14	1°52	19°43	29°59	19° 4	19°55	13°39	14°13	F 24
S 25	2 51 8	11°14'33	1 ¹⁰ 43	15°42	29°28	14°56	19°42	16°20	1°49	19°43	0 ¹⁰ 1	18°53	19°52	13°46	14°16	S 25
S 26	2 55 5	12°14'57	17° 4	17°16	28°59	14°34	19°48	16°26	1°47	19°43	0° 3	18°43	19°49	13°52	14°20	S 26
M27	2 59 1	13°15'22	2 ¹⁰ 20	18°51	28°31	14°12	19°53	16°32	1°44	19°43	0° 4	18°35	19°46	13°59	14°23	M27
T 28	3 2 58	14°15'50	17°20	20°24	28° 6	13°50	19°59	16°39	1°42	19°43	0° 6	18°29	19°42	14° 6	14°27	T 28
W29	3 6 54	15°16'18	1 ¹⁰ 58	21°58	27°42	13°28	20° 5	16°45	1°39	19°44	0° 8	18°25	19°39	14°12	14°30	W29
T 30	3 10 51	16°16'49	16° 8	23°31	27°21	13° 7	20°10	16°51	1°37	19°44	0° 9	18°D24	19°36	14°19	14°34	T 30
F 31	3 14 47	17 ¹⁰ 17'20	29 ¹⁰ 50	25 ¹⁰ 5	27 ¹⁰ 2	12 ¹⁰ 46	20 ¹⁰ 15	16 ¹⁰ 58	1 ¹⁰ 35	19 ¹⁰ 44	0 ¹⁰ 11	18 ¹⁰ 24	19 ¹⁰ 33	14 ¹⁰ 26	14 ¹⁰ 37	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	6s47	20s55	2n24	0s41	1n51	22s 0	7s11	16n48	1s32	16n31	0n39	21s21	1n13	11n59	0s31	15s21
T 2	7 10 22	4 1 16	1 24	1 48	21 57	7 11	16 48	1 29	16 29	0 39	21 21	1 13	11 59	0 31	15 22	0 29
F 3	7 33 21	52 0 5	2 8	1 44	21 52	7 11	16 48	1 27	16 26	0 39	21 22	1 13	11 58	0 31	15 22	0 29
S 4	7 56 20	26 1s 4	2 52	1 40	21 46	7 10	16 47	1 24	16 24	0 39	21 23	1 12	11 57	0 31	15 22	0 29
S 5	8 18 17	59 2 9	3 36	1 35	21 38	7 8	16 47	1 21	16 21	0 40	21 24	1 12	11 56	0 31	15 22	0 29
M 6	8 40 14	42 3 5	4 21	1 30	21 29	7 5	16 46	1 19	16 19	0 40	21 24	1 12	11 55	0 31	15 22	0 29
T 7	9 3 10	50 3 52	5 5	1 25	21 19	7 2	16 45	1 16	16 16	0 40	21 25	1 12	11 55	0 31	15 22	0 29
W 8	9 25 6	34 4 27	5 49	1 20	21 7	6 58	16 44	1 13	16 14	0 40	21 26	1 12	11 54	0 31	15 23	0 29
T 9	9 47 2	6 4 50	6 33	1 14	20 53	6 53	16 43	1 10	16 11	0 40	21 27	1 12	11 53	0 31	15 23	0 29
F 10	10 9 2n25	4 59 7	16 1	1 8	20 39	6 48	16 41	1 7	16 9	0 41	21 27	1 12	11 52	0 31	15 23	0 29
S 11	10 30 6	50 4 55	7 59	1 2	20 22	6 42	16 39	1 4	16 7	0 41	21 28	1 11	11 51	0 31	15 23	0 29
S 12	10 52 10	58 4 39	8 42	0 56	20 5	6 34	16 38	1 1	16 4	0 41	21 29	1 11	11 50	0 31	15 23	0 29
M13	11 13 14	40 4 10	9 24	0 50	19 46	6 26	16 36	0 58	16 2	0 41	21 30	1 11	11 49	0 31	15 23	0 29
T 14	11 34 17	48 3 31	10 6	0 43	19 26	6 18	16 34	0 55	16 0	0 41	21 30	1 11	11 49	0 31	15 23	0 29
W15	11 55 20	13 2 42	10 47	0 37	19 5	6 8	16 31	0 52	15 58	0 42	21 31	1 11	11 48	0 31	15 23	0 29
T 16	12 16 21	25 1 45	11 28	0 34	18 43	5 58	16 29	0 49	15 56	0 42	21 32	1 11	11 47	0 31	15 23	0 29
F 17	12 37 22	18 0 43	12 8	0 24	18 20	5 47	16 27	0 46	15 53	0 42	21 33	1 11	11 46	0 31	15 24	0 29
S 18	12 57 21	47 0n23	12 47	0 17	17 56	5 35	16 24	0 43	15 51	0 42	21 33	1 10	11 45	0 31	15 24	0 29
S 19	13 18 20	9 1 29	13 26	0 10	17 32	5 23	16 21	0 39	15 49	0 42	21 34	1 10	11 44	0 31	15 24	0 29
M20	13 38 17	25 2 32	14 4	0 4	17 7	5 10	16 18	0 36	15 47	0 43	21 35	1 10	11 44	0 31	15 24	0 29
T 21	13 57 13	41 3 29	14 42	0s 3	16 42	4 56	16 15	0 33	15 46	0 43	21 36	1 10	11 43	0 31	15 24	0 29
W22	14 17 9	4 4 16	15 18	0 10	16 17	4 42	16 12	0 30	15 44	0 43	21 36	1 10	11 42	0 31	15 24	0 29
T 23	14 36 3	47 4 48	15 54	0 16	15 52	4 28	16 9	0 26	15 42	0 43	21 37	1 10	11 41	0 31	15 24	0 29
F 24	14 56 1s51	5 2 16	29	0 23	15 26	4 13	16 6	0 23	15 40	0 43	21 38	1 10	11 40	0 31	15 24	0 29
S 25	15 14 7	29 4 55	17 3	0 30	15 1	3 58	16 3	0 20	15 38	0 44	21 39	1 10	11 39	0 31	15 24	0 29
S 26	15 33 12	43 4 27	17 37	0 36	14 37	3 43	15 59	0 16	15 37	0 44	21 39	1 9	11 39	0 31	15 24	0 29
M27	15 51 17	6 3 39	18 9	0 43	14 13	3 28	15 56	0 13	15 35	0 44	21 40	1 9	11 38	0 31	15 24	0 29
T 28	16 10 20	17 2 37	18 41	0 49	13 49	3 13	15 52	0 10	15 33	0 44	21 41	1 9	11 37	0 31	15 23	0 29
W29	16 27 22	3 1 26	19 12	0 55	13 26	2 57	15 49	0 7	15 32	0 45	21 42	1 9	11 36	0 31	15 23	0 29
T 30	16 45 22	19 0 12	19 41	1 1	13 4	2 42	15 46	0 3	15 30	0 45	21 42	1 9	11 35	0 31	15 23	0 29
F 31	17s 2	21s14	1s 1	20s10	1s 7	12s43	2s27	15n42	0s 0	15n29	0n45	21s43	1n 9	11n34	0s31	15s23

Julian Day Number = 2275050.5, Delta T = 254.51 sec

Ecliptic obliquity = 23°30'05, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°59'51, Lahiri = 17°06'51 Julian Calendar 1 Oct. 1516 == Greg. Calendar 11 Oct. 1516

ASTRODIENST EPHEMERIS for the year 1516

geocentric

NOVEMBER 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 18 44	18 ^m 17 ⁵³	13 [≈] 5	26 ^m 13 ⁷	26°R45	12°R25	20 ^Ω 20	17 [♂] 4	1°R32	19 [≈] 44	0 [♂] 13	18°R25	19 [♂] 30	14 [♂] 33	14 [♂] 41	S 1
S 2	3 22 41	19°18'26	25°57	28°10	26 [♂] 31	12 [♂] 4	20°25	17°11	1 [♂] 30	19°45	0°14	18 [♂] 25	19°27	14°39	14°45	S 2
M 3	3 26 37	20°19'02	8 [♂] 29	29°42	26°19	11°44	20°30	17°17	1°28	19°45	0°16	18°23	19°23	14°46	14°49	M 3
T 4	3 30 34	21°19'38	20°47	1 [♂] 15	26°10	11°24	20°34	17°24	1°25	19°46	0°18	18°19	19°20	14°53	14°52	T 4
W 5	3 34 30	22°20'15	2 [♂] 54	2°47	26° 3	11° 5	20°39	17°30	1°23	19°46	0°19	18°12	19°17	14°59	14°56	W 5
T 6	3 38 27	23°20'54	14°54	4°18	25°59	10°46	20°43	17°37	1°21	19°46	0°21	18° 3	19°14	15° 6	15° 0	T 6
F 7	3 42 23	24°21'34	26°49	5°50	25°D57	10°28	20°47	17°43	1°19	19°47	0°23	17°53	19°11	15°13	15° 4	F 7
S 8	3 46 20	25°22'15	8 [♂] 41	7°21	25°57	10°11	20°51	17°50	1°16	19°48	0°25	17°42	19° 7	15°20	15° 8	S 8
S 9	3 50 16	26°22'58	20°33	8°52	26° 0	9°54	20°54	17°57	1°14	19°48	0°27	17°32	19° 4	15°26	15°13	S 9
M10	3 54 13	27°23'42	2 [♂] 16	10°23	26° 5	9°37	20°58	18° 4	1°12	19°49	0°29	17°23	19° 1	15°33	15°17	M10
T 11	3 58 10	28°24'27	14°21	11°54	26°13	9°22	21° 1	18°10	1°10	19°49	0°30	17°16	18°58	15°40	15°21	T 11
W12	4 2 6	29°25'14	26°20	13°24	26°23	9° 7	21° 4	18°17	1° 8	19°50	0°32	17°11	18°55	15°46	15°25	W12
T 13	4 6 3	0 [♂] 26'02	8 [♂] 25	14°54	26°35	8°52	21° 7	18°24	1° 6	19°51	0°34	17° 8	18°52	15°53	15°29	T 13
F 14	4 9 59	1°26'51	20°39	16°24	26°49	8°39	21°10	18°31	1° 4	19°52	0°36	17°D 8	18°48	16° 0	15°34	F 14
S 15	4 13 56	2°27'42	3 [♂] 5	17°53	27° 6	8°26	21°12	18°38	1° 2	19°52	0°38	17° 9	18°45	16° 6	15°38	S 15
S 16	4 17 52	3°28'34	15°47	19°22	27°24	8°14	21°15	18°44	1° 0	19°53	0°40	17°10	18°42	16°13	15°43	S 16
M17	4 21 49	4°29'28	28°48	20°50	27°45	8° 3	21°17	18°51	0°58	19°54	0°42	17°R12	18°39	16°20	15°47	M17
T 18	4 25 45	5°30'22	12 [♂] 12	22°18	28° 7	7°52	21°19	18°58	0°56	19°55	0°44	17°12	18°36	16°27	15°52	T 18
W19	4 29 42	6°31'19	26° 2	23°45	28°32	7°43	21°21	19° 5	0°54	19°56	0°46	17°10	18°32	16°33	15°56	W19
T 20	4 33 39	7°32'16	10 [♂] 18	25°11	28°58	7°34	21°22	19°12	0°52	19°57	0°48	17° 6	18°29	16°40	16° 1	T 20
F 21	4 37 35	8°33'15	24°57	26°36	29°25	7°26	21°24	19°19	0°50	19°58	0°50	17° 1	18°26	16°47	16° 6	F 21
S 22	4 41 32	9°34'15	9 [♂] 56	28° 1	29°55	7°19	21°25	19°26	0°49	19°59	0°52	16°56	18°23	16°53	16°10	S 22
S 23	4 45 28	10°35'16	25° 6	29°23	0 [♂] 26	7°12	21°26	19°33	0°47	20° 0	0°54	16°50	18°20	17° 0	16°15	S 23
M24	4 49 25	11°36'18	10 [♂] 17	0 [♂] 45	0°58	7° 7	21°27	19°40	0°45	20° 1	0°56	16°45	18°17	17° 7	16°20	M24
T25	4 53 21	12°37'21	25°19	2° 4	1°32	7° 2	21°28	19°47	0°43	20° 2	0°58	16°42	18°13	17°14	16°25	T25
W26	4 57 18	13°38'25	10 [♂] 2	3°21	2° 8	6°58	21°28	19°54	0°42	20° 3	1° 0	16°D40	18°10	17°20	16°29	W26
T 27	5 1 14	14°39'30	24°22	4°36	2°45	6°55	21°28	20° 1	0°40	20° 4	1° 2	16°40	18° 7	17°27	16°34	T 27
F 28	5 5 11	15°40'35	8 [♂] 14	5°48	3°23	6°53	21°R28	20° 8	0°39	20° 6	1° 4	16°41	18° 4	17°34	16°39	F 28
S 29	5 9 8	16°41'40	21°39	6°56	4° 2	6°51	21°28	20°15	0°37	20° 7	1° 6	16°43	18° 1	17°40	16°44	S 29
S 30	5 13 4	17 [♂] 42'46	4 [♂] 38	8 [♂] 1	4 [♂] 43	6°D51	21 [♂] 28	20 [♂] 22	0 [♂] 36	20 [≈] 8	1 [♂] 8	16 [♂] 44	17 [♂] 58	17 [♂] 47	16 [♂] 49	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
S 1	17s19	18s59	2s 8	20s38	1s13	12s23	2s12	15n39	0n 3	15n28	0n45	21s44	1n 9	11n34	0s31	15s23	0s29	19s47	3n43	22n14	22n 5	11n47	16s 5	6n39			
S 2	17 36	15 50	3 7	21 5	1 19	12 4	1 57	15 36	0 6	15 26	0 45	21 45	1 9	11 33	0 31	15 23	0 29	19 48	3 42	22 14	22 5	11 49	16 5	6 38			
M 3	17 52	12 2	3 55	21 31	1 24	11 46	1 42	15 32	0 9	15 25	0 46	21 45	1 8	11 32	0 31	15 23	0 29	19 48	3 42	22 14	22 6	11 52	16 5	6 38			
T 4	18 8	7 48	4 31	21 56	1 30	11 29	1 27	15 29	0 12	15 24	0 46	21 46	1 8	11 31	0 31	15 23	0 29	19 48	3 42	22 15	22 6	11 54	16 5	6 37			
W 5	18 24	3 21	4 54	22 19	1 35	11 13	1 13	15 26	0 15	15 23	0 46	21 47	1 8	11 31	0 31	15 23	0 29	19 48	3 42	22 16	22 7	11 56	16 5	6 37			
T 6	18 40	1n12	5 5	22 42	1 40	10 58	0 59	15 23	0 18	15 21	0 46	21 48	1 8	11 30	0 31	15 22	0 28	19 48	3 42	22 17	22 7	11 59	16 5	6 37			
F 7	18 55	5 40	5 1	23 3	1 45	10 45	0 45	15 20	0 21	15 20	0 47	21 48	1 8	11 29	0 31	15 22	0 28	19 48	3 42	22 18	22 8	12 1	16 5	6 36			
S 8	19 9	9 56	4 45	23 24	1 49	10 33	0 32	15 17	0 24	15 19	0 47	21 49	1 8	11 28	0 31	15 22	0 28	19 49	3 41	22 20	22 8	12 3	16 5	6 36			
S 9	19 24	13 48	4 17	23 43	1 54	10 22	0 19	15 15	0 27	15 18	0 47	21 50	1 8	11 27	0 31	15 22	0 28	19 49	3 41	22 21	22 8	12 5	16 5	6 36			
M10	19 38	17 9	3 37	24 1	1 58	10 12	0 7	15 12	0 30	15 18	0 47	21 50	1 8	11 27	0 30	15 22	0 28	19 49	3 41	22 22	22 9	12 8	16 5	6 35			
T 11	19 51	19 49	2 47	24 17	2 2	10 4	0n 6	15 10	0 33	15 17	0 48	21 51	1 8	11 26	0 30	15 21	0 28	19 49	3 41	22 23	22 9	12 10	16 5	6 35			
W12	20 5	21 37	1 50	24 32	2 5	9 56	0 17	15 8	0 35	15 16	0 48	21 52	1 8	11 25	0 30	15 21	0 28	19 49	3 41	22 24	22 10	12 12	16 4	6 35			
T 13	20 18	22 27	0 47	24 46	2 9	9 50	0 29	15 5	0 38	15 15	0 48	21 52	1 7	11 25	0 30	15 21	0 28	19 49	3 41	22 24	22 10	12 15	16 4	6 34			
F 14	20 30	22 13	0n19	24 59	2 12	9 45	0 40	15 4	0 40	15 15	0 48	21 53	1 7	11 24	0 30	15 21	0 28	19 50	3 40	22 24	22 11	12 17	16 4	6 34			
S 15	20 42	20 54	1 25	25 10	2 14	9 41	0 50	15 2	0 43	15 14	0 49	21 54	1 7	11 23	0 30	15 21	0 28	19 50	3 40	22 24	22 11	12 19	16 4	6 34			
S 16	20 54	18 31	2 29	25 20	2 16	9 38	1 1	15 0	0 45	15 14	0 49	21 54	1 7	11 23	0 30	15 20	0 28	19 50	3 40	22 24	22 12	12 21	16 4	6 33			
M17	21 6	15 9	3 27	25 29	2 18	9 36	1 10	14 59	0 48	15 13	0 49	21 55	1 7	11 22	0 30	15 20	0 28	19 50	3 40	22 24	22 12	12 24	16 4	6 33			
T 18	21 17	10 55	4 15	25 36	2 20	9 35	1 20	14 58	0 50	15 13	0 49	21 56	1 7	11 21	0 30	15 20	0 28	19 50	3 40	22 24	22 12	12 26	16 3	6 33			
W19	21 27	6 1	4 50	25 42	2 21	9 36	1 29	14 57	0 52	15 12	0 50	21 56	1 7	11 21	0 30	15 19	0 28	19 50	3 40	22 24	22 13	12 28	16 3	6 32			
T 20	21 37	0 38	5 8	25 46	2 21	9 37	1 38	14 56	0 55	15 12	0 50	21 57	1 7	11 20	0 30	15 19	0 28	19 50	3 40	22 24	22 13	12 31	16 3	6 32			
F 21	21 47	4s55	5 7	25 48	2 21	9 39	1 46	14 55	0 57	15 12	0 50	21 58	1 7	11 19	0 30	15 19	0 28	19 51	3 39	22 25	22 14	12 33	16 3	6 32			
S 22	21 57	10 18	4 46	25 50	2 21	9 42	1 54	14 55	0 59	15 12	0 50	21 58	1 7	11 19	0 30	15 18	0 28	19 51	3 39	22 26	22 14	12 35	16 2	6 32			
S 23	22 6	15 8	4 4	25 49	2 19	9 46	2 1	14 55	1 1	15 12	0 51	21 59	1 7	11 18	0 30	15 18	0 28	19 51	3 39	22 26	22 15	12 37	16 2	6 31			
M24	22 14	18 59	3 5	25 47	2 18	9 50	2 9	14 55	1 3	15 11	0 51	22 0	1 7	11 18	0 30	15 18	0 28	19 51	3 39	22 27	22 15	12 40	16 2	6 31			
T 25	22 22	21 31	1 54	25 44	2 15	9 55	2 15	14 55	1 5	15 12	0 51	22 0	1 6	11 17	0 30	15 17	0 28	19 51	3 39	22 27	22 15	12 42	16 1	6 31			
W26	22 30	22 31	0 36	25 39	2 12	10 1	2 22	14 56	1 7	15 12	0 51	22 1	1 6	11 17	0 30	15 17	0 28	19 51	3 39	22 28	22 16	12 44	16 1	6 30			
T 27	22 37	21 59	0s42	25 33	2 8	10 8	2 28	14 56	1 9	15 12	0 52	22 1	1 6	11 16	0 30	15 17	0 28	19 51	3 39	22 28	22 16	12 46	16 1	6 30			
F 28	22 44	20 7	1 55	25 25	2 3	10 16	2 34	14 57	1 10	15 12	0 52	22 2	1 6	11 15	0 30	15 16	0 28	19 51	3 38	22 27	22 17	12 49	16 0	6 30			
S 29	22 50	17 10	3 0	25 16	1 57	10 24	2 40	14 58	1 12	15 12	0 52	22 3	1 6	11 15	0 30	15 16	0 28	19 51	3 38	22 27	22 17	12 51	16 0	6 30			
S 30	22s56	13s27	3s53	25s 6	1s50	10s32	2n45	15n 0	1n14	15n13	0n52	22s 3	1n 6	11n14	0s30	15s16	0s28	19s52	3n38	22n27	22n18	12n53	16s 0	6n30			

ASTRODIENST EPHEMERIS for the year 1516

geocentric

DECEMBER 1516 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 17 1	18°43'52	17°15	9°31	5°25	6°51	21°R27	20°29	0°R34	20°29	1°10	16°R45	17°54	17°54	16°54	M 1
T 2	5 20 57	19°44'58	29°34	9°56	6°7	6°52	21°R27	20°36	0°R33	20°11	1°13	16°R45	17°51	18°1	16°59	T 2
W 3	5 24 54	20°46'05	11°40	10°45	6°51	6°54	21°26	20°43	0°31	20°12	1°15	16°43	17°48	18°7	17°4	W 3
T 4	5 28 50	21°47'12	23°37	11°28	7°36	6°56	21°25	20°50	0°30	20°13	1°17	16°40	17°45	18°14	17°9	T 4
F 5	5 32 47	22°48'19	5°29	12°3	8°22	7°0	21°23	20°58	0°29	20°15	1°19	16°36	17°42	18°21	17°14	F 5
S 6	5 36 43	23°49'26	17°20	12°29	9°9	7°4	21°22	21°5	0°28	20°16	1°21	16°32	17°38	18°27	17°20	S 6
S 7	5 40 40	24°50'34	29°12	12°46	9°57	7°9	21°20	21°12	0°27	20°18	1°23	16°28	17°35	18°34	17°25	S 7
M 8	5 44 37	25°51'42	11°11	12°R53	10°46	7°14	21°18	21°19	0°25	20°19	1°25	16°25	17°32	18°41	17°30	M 8
T 9	5 48 33	26°52'51	23°11	12°48	11°35	7°20	21°16	21°26	0°24	20°21	1°27	16°22	17°29	18°47	17°35	T 9
W10	5 52 30	27°53'59	5°21	12°33	12°26	7°27	21°14	21°33	0°23	20°22	1°29	16°21	17°26	18°54	17°40	W10
T 11	5 56 26	28°55'08	17°40	12°5	13°17	7°35	21°11	21°40	0°22	20°24	1°32	16°D20	17°23	19°1	17°46	T 11
F 12	6 0 23	29°56'17	0°9	11°25	14°9	7°43	21°9	21°47	0°21	20°25	1°34	16°21	17°19	19°8	17°51	F 12
S 13	6 4 19	0°57'27	12°50	10°35	15°2	7°52	21°6	21°54	0°21	20°27	1°36	16°22	17°16	19°14	17°56	S 13
S 14	6 8 16	1°58'37	25°45	9°34	15°55	8°1	21°3	22°1	0°20	20°29	1°38	16°23	17°13	19°21	18°1	S 14
M15	6 12 13	2°59'47	8°54	8°25	16°49	8°12	20°59	22°8	0°19	20°30	1°40	16°25	17°10	19°28	18°7	M15
T 16	6 16 9	4°0'57	22°21	7°9	17°44	8°22	20°56	22°15	0°18	20°32	1°42	16°25	17°7	19°34	18°12	T 16
W17	6 20 6	5°2'08	6°5	5°49	18°40	8°34	20°52	22°22	0°18	20°34	1°44	16°R26	17°4	19°41	18°17	W17
T 18	6 24 2	6°3'19	20°8	4°28	19°36	8°46	20°49	22°29	0°17	20°35	1°47	16°25	17°0	19°48	18°23	T 18
F 19	6 27 59	7°4'31	4°28	3°8	20°32	8°58	20°45	22°35	0°16	20°37	1°49	16°25	16°57	19°54	18°28	F 19
S 20	6 31 55	8°5'42	19°2	1°51	21°29	9°11	20°41	22°42	0°16	20°39	1°51	16°24	16°54	20°1	18°34	S 20
S 21	6 35 52	9°6'54	3°47	0°41	22°27	9°25	20°36	22°49	0°15	20°41	1°53	16°23	16°51	20°8	18°39	S 21
M22	6 39 48	10°8'06	18°34	29°38	23°25	9°39	20°32	22°56	0°15	20°42	1°55	16°22	16°48	20°15	18°44	M22
T 23	6 43 45	11°9'18	3°18	28°44	24°24	9°54	20°27	23°3	0°15	20°44	1°57	16°21	16°44	20°21	18°50	T 23
W24	6 47 42	12°10'29	17°51	27°59	25°23	10°9	20°22	23°10	0°14	20°46	1°59	16°D21	16°41	20°28	18°55	W24
T 25	6 51 38	13°11'41	2°55	27°24	26°23	10°25	20°17	23°17	0°14	20°48	2°1	16°22	16°38	20°35	19°1	T 25
F 26	6 55 35	14°12'51	16°1	27°0	27°23	10°41	20°12	23°23	0°14	20°50	2°3	16°22	16°35	20°41	19°6	F 26
S 27	6 59 31	15°14'02	29°31	26°44	28°23	10°58	20°7	23°30	0°14	20°52	2°6	16°22	16°32	20°48	19°11	S 27
S 28	7 3 28	16°15'11	12°37	26°D39	29°24	11°15	20°1	23°37	0°13	20°54	2°8	16°R22	16°29	20°55	19°17	S 28
M29	7 7 24	17°16'20	25°20	26°41	0°25	11°33	19°56	23°43	0°13	20°56	2°10	16°22	16°25	21°1	19°22	M29
T 30	7 11 21	18°17'28	7°44	26°52	1°27	11°51	19°50	23°50	0°D13	20°58	2°12	16°22	16°22	21°8	19°28	T 30
W31	7 15 17	19°18'35	19°53	27°10	2°29	12°10	19°44	23°57	0°R13	21°29	2°14	16°D22	16°29	21°15	19°33	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23s 1	9s14	4s33	24s54	1s43	10s41	2n50	15n 1	1n15	15n13	0n53	22s 4	1n 6	11n14	0s30	15s15
T 2	23 6	4 45	5 0	24 41	1 34	10 51	2 54	15 3	1 17	15 14	0 53	22 4	1 6	11 14	0 30	15 15
W 3	23 11	0 10	5 13	24 27	1 24	11 1	2 59	15 5	1 18	15 14	0 53	22 5	1 6	11 13	0 30	15 14
T 4	23 15	4n22	5 12	24 13	1 13	11 12	3 3	15 7	1 20	15 15	0 53	22 5	1 6	11 13	0 30	15 14
F 5	23 18	8 43	4 57	23 57	1 0	11 23	3 7	15 10	1 21	15 15	0 54	22 6	1 6	11 12	0 30	15 13
S 6	23 21	12 44	4 30	23 41	0 46	11 35	3 10	15 12	1 22	15 16	0 54	22 6	1 6	11 12	0 30	15 13
S 7	23 24	16 16	3 51	23 24	0 31	11 47	3 13	15 15	1 24	15 17	0 54	22 7	1 6	11 11	0 30	15 12
M 8	23 26	19 10	3 2	23 8	0 15	11 59	3 16	15 18	1 25	15 18	0 54	22 7	1 6	11 11	0 30	15 12
T 9	23 28	21 15	2 4	22 51	0n 2	12 11	3 19	15 21	1 26	15 19	0 55	22 8	1 6	11 11	0 30	15 11
W10	23 29	22 23	1 0	22 34	0 20	12 24	3 22	15 24	1 27	15 20	0 55	22 8	1 5	11 10	0 30	15 11
T 11	23 30	22 27	0n 7	22 18	0 40	12 37	3 24	15 28	1 28	15 21	0 55	22 9	1 5	11 10	0 30	15 10
F 12	23 30	21 24	1 16	22 2	0 59	12 51	3 26	15 32	1 29	15 22	0 55	22 9	1 5	11 10	0 30	15 10
S 13	23 30	19 16	2 21	21 46	1 19	13 4	3 28	15 36	1 30	15 23	0 56	22 10	1 5	11 10	0 30	15 9
S 14	23 29	16 7	3 21	21 31	1 38	13 18	3 29	15 40	1 31	15 24	0 56	22 10	1 5	11 9	0 30	15 9
M15	23 28	12 8	4 12	21 17	1 57	13 32	3 31	15 44	1 32	15 25	0 56	22 11	1 5	11 9	0 30	15 8
T 16	23 26	7 28	4 49	21 4	2 15	13 46	3 32	15 48	1 33	15 27	0 56	22 11	1 5	11 9	0 30	15 8
W17	23 24	2 21	5 12	20 52	2 31	14 0	3 33	15 53	1 34	15 28	0 57	22 12	1 5	11 9	0 30	15 7
T 18	23 22	3s 0	5 16	20 41	2 45	14 15	3 34	15 57	1 35	15 29	0 57	22 12	1 5	11 8	0 29	15 7
F 19	23 19	8 19	5 1	20 32	2 56	14 29	3 34	16 2	1 36	15 31	0 57	22 13	1 5	11 8	0 29	15 6
S 20	23 15	13 14	4 27	20 24	3 5	14 43	3 35	16 7	1 36	15 33	0 57	22 13	1 5	11 8	0 29	15 6
S 21	23 11	17 26	3 35	20 18	3 12	14 58	3 35	16 12	1 37	15 34	0 58	22 13	1 5	11 8	0 29	15 5
M22	23 7	20 33	2 28	20 14	3 16	15 12	3 35	16 17	1 38	15 36	0 58	22 14	1 5	11 8	0 29	15 4
T 23	23 2	22 16	1 12	20 11	3 18	15 27	3 35	16 23	1 39	15 37	0 58	22 14	1 5	11 8	0 29	15 4
W24	22 57	22 27	0s 8	20 11	3 18	15 41	3 35	16 28	1 39	15 39	0 58	22 15	1 5	11 8	0 29	15 3
T 25	22 51	21 9	1 26	20 13	3 16	15 55	3 34	16 34	1 40	15 41	0 58	22 15	1 5	11 8	0 29	15 3
F 26	22 44	18 35	2 37	20 16	3 12	16 10	3 33	16 39	1 40	15 43	0 59	22 15	1 5	11 8	0 29	15 2
S 27	22 38	15 4	3 37	20 21	3 7	16 24	3 33	16 45	1 41	15 45	0 59	22 16	1 5	11 8	0 29	15 1
S 28	22 31	10 54	4 24	20 27	3 1	16 38	3 32	16 51	1 42	15 47	0 59	22 16	1 5	11 7	0 29	15 1
M29	22 23	6 23	4 56	20 34	2 54	16 51	3 31	16 57	1 42	15 49	0 59	22 16	1 5	11 8	0 29	15 0
T 30	22 15	1 44	5 14	20 42	2 46	17 5	3 29	17 3	1 42	15 51	1 0	22 17	1 5	11 8	0 29	15 0
W31	22s 6	2n54	5s17	20s51	2n37	17s19	3n28	17n10	1n43	15n53	1n 0	22s17	1n 5	11n 8	0s29	14s59

Julian Day Number = 2275111.5, Delta T = 254.14 sec

Ecliptic obliquity = 23°30'04, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°59'59, Lahiri = 17°07'00 Julian Calendar 1 Dec. 1516 == Greg. Calendar 11 Dec. 1516