



Astrodienst Ephemeris Tables for the year 1511

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 1511

geocentric

JANUARY 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	7 17 6	19°34'59	3°40	26°7	0°36	5°30	0°46	20°21	8°14	8°11	19°56	13°R20	12°M21	17°M10	22°M38	W 1
T 2	7 21 3	20°48'07	18°24	27°15	1°52	6°16	1°0	20°10	6°15	8°14	19°58	13°M 9	12°18	17°17	22°43	T 2
F 3	7 25 0	21°49'14	3°19	28°25	3°7	7°2	1°14	20°12	6°16	8°16	20°0	13°0	12°15	17°23	22°49	F 3
S 4	7 28 56	22°50'20	17°47	29°37	4°22	7°48	1°28	20°14	6°18	8°18	20°2	12°53	12°11	17°30	22°54	S 4
S 5	7 32 53	23°51'25	2°13	0°51	5°37	8°34	1°43	20°15	6°19	8°20	20°4	12°48	12°8	17°37	22°59	S 5
M 6	7 36 49	24°52'30	16°23	2°6	6°52	9°20	1°57	20°17	6°21	8°22	20°6	12°47	12°5	17°43	23°5	M 6
T 7	7 40 46	25°53'33	0°17	3°23	8°7	10°6	2°11	20°18	6°22	8°25	20°8	12°D46	12°2	17°50	23°10	T 7
W 8	7 44 42	26°54'35	13°55	4°41	9°22	10°52	2°25	20°20	6°24	8°27	20°9	12°R47	11°59	17°57	23°15	W 8
T 9	7 48 39	27°55'36	27°19	6°0	10°37	11°38	2°40	20°21	6°26	8°29	20°11	12°46	11°55	18°3	23°20	T 9
F 10	7 52 35	28°56'36	10°12	7°21	11°53	12°24	2°54	20°22	6°27	8°31	20°13	12°43	11°52	18°10	23°25	F 10
S 11	7 56 32	29°57'35	23°27	8°43	13°8	13°10	3°8	20°23	6°29	8°34	20°15	12°37	11°49	18°17	23°29	S 11
S 12	8 0 29	0°58'33	6°15	10°6	14°23	13°56	3°22	20°24	6°31	8°36	20°17	12°28	11°46	18°24	23°34	S 12
M13	8 4 25	1°59'30	18°53	11°29	15°38	14°42	3°37	20°25	6°33	8°38	20°19	12°17	11°43	18°30	23°39	M13
T 14	8 8 22	3°0'25	1°12	12°54	16°53	15°28	3°51	20°25	6°35	8°41	20°20	12°3	11°40	18°37	23°43	T 14
W15	8 12 18	4°1'20	13°38	14°20	18°8	16°13	4°5	20°26	6°37	8°43	20°22	11°49	11°36	18°44	23°48	W15
T 16	8 16 15	5°2'13	25°46	15°47	19°23	16°59	4°19	20°26	6°39	8°45	20°24	11°35	11°33	18°50	23°52	T 16
F 17	8 20 11	6°3'06	7°14	17°14	20°38	17°45	4°34	20°27	6°41	8°47	20°26	11°22	11°30	18°57	23°57	F 17
S 18	8 24 8	7°3'57	19°39	18°43	21°53	18°30	4°48	20°27	6°43	8°50	20°27	11°12	11°27	19°4	24°1	S 18
S 19	8 28 4	8°4'47	1°28	20°12	23°8	19°16	5°2	20°27	6°45	8°52	20°29	11°4	11°24	19°10	24°5	S 19
M20	8 32 1	9°5'37	13°17	21°42	24°23	20°2	5°17	20°R27	6°47	8°54	20°31	11°0	11°21	19°17	24°9	M20
T 21	8 35 58	10°6'25	25°10	23°13	25°38	20°47	5°31	20°27	6°49	8°56	20°32	10°58	11°17	19°24	24°13	T 21
W22	8 39 54	11°7'13	7°13	24°45	26°54	21°33	5°45	20°27	6°51	8°59	20°34	10°57	11°14	19°30	24°17	W22
T 23	8 43 51	12°7'59	19°30	26°17	28°9	22°18	5°59	20°27	6°54	9°1	20°35	10°57	11°11	19°37	24°20	T 23
F 24	8 47 47	13°8'45	2°7	27°50	29°24	23°4	6°14	20°26	6°56	9°3	20°37	10°56	11°8	19°44	24°24	F 24
S 25	8 51 44	14°9'29	15°9	29°25	0°39	23°49	6°28	20°26	6°58	9°6	20°38	10°54	11°5	19°51	24°27	S 25
S 26	8 55 40	15°10'13	28°39	0°59	1°54	24°35	6°42	20°25	7°1	9°8	20°40	10°48	11°1	19°57	24°31	S 26
M27	8 59 37	16°10'55	12°39	2°35	3°9	25°20	6°56	20°25	7°3	9°10	20°41	10°40	10°58	20°4	24°34	M27
T 28	9 3 33	17°11'36	27°7	4°12	4°24	26°6	7°10	20°24	7°6	9°12	20°43	10°30	10°55	20°11	24°37	T 28
W29	9 7 30	18°12'16	11°58	5°49	5°39	26°51	7°25	20°23	7°8	9°15	20°44	10°18	10°52	20°17	24°40	W29
T 30	9 11 27	19°12'54	27°3	7°28	6°54	27°36	7°39	20°22	7°11	9°17	20°46	10°6	10°49	20°24	24°44	T 30
F 31	9 15 23	20°13'30	12°12	9°7	8°9	28°12	7°53	20°21	7°13	9°19	20°47	9°M56	10°M46	20°M31	24°M46	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22s 2	14s33	4n58	22s14	1n13	23s17	0n13	10s20	0s53	20s32	0s31	5s34	2n31	1n51	0s41	18s20
T 2	21 53	10 34	5 1	22 25	1 4	23 19	0 11	10 3	0 52	20 29	0 31	5 34	2 31	1 52	0 41	18 20
F 3	21 44	5 58	4 44	22 35	0 55	23 20	0 8	9 45	0 51	20 26	0 31	5 35	2 31	1 53	0 40	18 19
S 4	21 34	1 2	4 9	22 45	0 45	23 20	0 5	9 27	0 51	20 23	0 31	5 35	2 31	1 53	0 40	18 18
S 5	21 23	3n54	3 18	22 53	0 37	23 20	0 3	9 9	0 50	20 20	0 31	5 36	2 32	1 54	0 40	18 18
M 6	21 13	8 32	2 15	23 1	0 28	23 19	0 0	8 51	0 49	20 17	0 31	5 36	2 32	1 55	0 40	18 17
T 7	21 1	12 38	1 6	23 8	0 19	23 17	0s 2	8 33	0 48	20 14	0 31	5 36	2 32	1 55	0 40	18 17
W 8	20 50	15 58	0s 6	23 15	0 11	23 15	0 5	8 14	0 48	20 11	0 31	5 36	2 33	1 56	0 40	18 16
T 9	20 38	18 22	1 16	23 20	0 2	23 12	0 7	7 56	0 47	20 8	0 31	5 37	2 33	1 57	0 40	18 16
F 10	20 25	19 45	2 21	23 24	0s 6	23 8	0 10	7 38	0 46	20 4	0 32	5 37	2 33	1 57	0 40	18 15
S 11	20 13	20 3	3 17	23 27	0 14	23 3	0 12	7 19	0 45	20 1	0 32	5 37	2 33	1 58	0 40	18 14
S 12	20 0	0 19	4 3	23 28	0 22	22 58	0 15	7 1	0 44	19 58	0 32	5 37	2 34	1 59	0 40	18 14
M13	19 46	17 37	4 36	23 29	0 29	22 52	0 17	6 43	0 43	19 55	0 32	5 37	2 34	2 0	0 40	18 13
T 14	19 32	15 7	4 55	23 29	0 36	22 46	0 20	6 24	0 43	19 51	0 32	5 37	2 34	2 0	0 40	18 13
W15	19 18	11 59	5 0	23 27	0 44	22 38	0 22	6 6	0 42	19 48	0 32	5 37	2 35	2 1	0 40	18 12
T 16	19 3	8 24	4 51	23 24	0 50	22 30	0 25	5 47	0 41	19 45	0 32	5 37	2 35	2 2	0 40	18 12
F 17	18 48	4 31	4 29	23 20	0 57	22 21	0 27	5 28	0 40	19 41	0 32	5 37	2 35	2 3	0 40	18 11
S 18	18 33	0 29	3 56	23 14	1 3	22 12	0 29	5 10	0 39	19 38	0 32	5 37	2 35	2 4	0 40	18 10
S 19	18 18	3s32	3 12	23 7	1 9	22 2	0 32	4 51	0 39	19 35	0 32	5 36	2 36	2 4	0 40	18 10
M20	18 2	7 25	2 21	22 59	1 15	21 51	0 34	4 32	0 38	19 31	0 32	5 36	2 36	2 5	0 40	18 9
T 21	17 45	11 3	1 23	22 50	1 21	21 40	0 36	4 14	0 37	19 28	0 33	5 36	2 36	2 6	0 40	18 9
W22	17 29	14 16	0 20	22 39	1 26	21 28	0 38	3 55	0 36	19 25	0 33	5 36	2 36	2 7	0 40	18 8
T 23	17 12	16 56	0n45	22 26	1 31	21 15	0 41	3 36	0 36	19 21	0 33	5 35	2 37	2 8	0 40	18 7
F 24	16 55	18 51	1 49	22 13	1 36	21 1	0 43	3 17	0 35	19 18	0 33	5 35	2 37	2 9	0 40	18 7
S 25	16 37	19 51	2 50	21 58	1 40	20 48	0 45	2 59	0 34	19 14	0 33	5 34	2 37	2 10	0 40	18 6
S 26	16 20	19 46	3 44	21 41	1 44	20 33	0 47	2 40	0 33	19 11	0 33	5 34	2 38	2 11	0 40	18 6
M27	16 2	18 29	4 26	21 23	1 48	20 18	0 49	2 21	0 32	19 7	0 33	5 33	2 38	2 12	0 40	18 5
T 28	15 43	16 0	4 53	21 4	1 51	20 2	0 51	2 2	0 32	19 4	0 33	5 33	2 38	2 13	0 40	18 4
W29	15 25	12 26	5 0	20 43	1 55	19 46	0 53	1 44	0 31	19 0	0 33	5 32	2 38	2 14	0 40	18 4
T 30	15 6	8 1	4 48	20 21	1 57	19 29	0 55	1 25	0 30	18 57	0 33	5 32	2 39	2 15	0 40	18 3
F 31	14s47	3s 5	4n15	19s57	2s 0	19s11	0s56	1s 6	0s29	18s53	0s34	5s31	2n39	2n16	0s40	18s 3

Julian Day Number = 2272950.5, Delta T = 267.43 sec

Ecliptic obliquity = 23°30'03, Nutation = 0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'02, Lahiri = 17°02'03 Julian Calendar 1 Jan. 1511 == Greg. Calendar 11 Jan. 1511

ASTRODIENST EPHEMERIS for the year 1511

geocentric

FEBRUARY 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 19 20	21°14'05	27°14'14	10°47	9°24	29°17	8°47	20°R20	7°16	9°21	20°48	9°R48	10°M42	20°37	24°M49	S 1
S 2	9 23 16	22°14'38	12°17	12°28	10°39	29°52	8°21	20°18	7°18	9°24	20°50	9°M43	10°39	20°44	24°52	S 2
M 3	9 27 13	23°15'09	26°28	14°10	11°54	0°17	8°35	20°17	7°21	9°26	20°51	9°41	10°36	20°51	24°55	M 3
T 4	9 31 9	24°15'39	10°31	15°52	13°9	1°22	8°49	20°15	7°24	9°28	20°52	9°D40	10°33	20°57	24°57	T 4
W 5	9 35 6	25°16'06	24°11	17°36	14°24	2°7	9°3	20°14	7°27	9°30	20°53	9°R40	10°30	21°4	24°59	W 5
T 6	9 39 2	26°16'32	7°11	19°21	15°39	2°52	9°17	20°12	7°29	9°33	20°55	9°40	10°27	21°11	25°2	T 6
F 7	9 42 59	27°16'55	20°31	21°6	16°54	3°37	9°31	20°10	7°32	9°35	20°56	9°38	10°23	21°18	25°4	F 7
S 8	9 46 56	28°17'17	3°16	22°53	18°9	4°22	9°45	20°9	7°35	9°37	20°57	9°33	10°20	21°24	25°6	S 8
S 9	9 50 52	29°17'36	15°48	24°40	19°24	5°7	9°59	20°7	7°38	9°39	20°58	9°25	10°17	21°31	25°8	S 9
M10	9 54 49	0°17'54	28°10	26°29	20°39	5°52	10°13	20°4	7°41	9°41	20°59	9°15	10°14	21°38	25°10	M10
T 11	9 58 45	1°18'10	10°12	28°19	21°54	6°37	10°27	20°2	7°44	9°43	21°0	9°3	10°11	21°44	25°12	T 11
W12	10 2 42	2°18'24	22°29	0°17	23°9	7°22	10°41	20°0	7°46	9°46	21°1	8°50	10°7	21°51	25°13	W12
T 13	10 6 38	3°18'36	4°12	2°0	24°23	8°6	10°54	19°58	7°49	9°48	21°2	8°37	10°4	21°58	25°15	T 13
F 14	10 10 35	4°18'46	16°22	3°53	25°38	8°51	11°8	19°55	7°52	9°50	21°3	8°26	10°1	22°4	25°16	F 14
S 15	10 14 31	5°18'54	28°13	5°46	26°53	9°36	11°22	19°53	7°55	9°52	21°4	8°16	9°58	22°11	25°18	S 15
S 16	10 18 28	6°19'01	10°12	7°40	28°8	10°20	11°36	19°50	7°58	9°54	21°5	8°10	9°55	22°18	25°19	S 16
M17	10 22 25	7°19'05	21°51	9°35	29°23	11°5	11°49	19°47	8°1	9°56	21°6	8°6	9°52	22°24	25°20	M17
T 18	10 26 21	8°19'09	3°16	11°31	0°17	11°49	12°3	19°45	8°5	9°58	21°7	8°D4	9°48	22°31	25°21	T 18
W19	10 30 18	9°19'10	15°48	13°27	1°53	12°34	12°16	19°42	8°8	10°0	21°7	8°5	9°45	22°38	25°22	W19
T 20	10 34 14	10°19'10	28°4	15°24	3°7	13°18	12°30	19°39	8°11	10°2	21°8	8°5	9°42	22°44	25°23	T 20
F 21	10 38 11	11°19'08	10°17	17°21	4°22	14°3	12°43	19°36	8°14	10°4	21°9	8°R6	9°39	22°51	25°23	F 21
S 22	10 42 7	12°19'05	23°34	19°19	5°37	14°47	12°57	19°33	8°17	10°6	21°10	8°5	9°36	22°58	25°24	S 22
S 23	10 46 4	13°19'00	6°17	21°16	6°52	15°31	13°10	19°29	8°20	10°8	21°10	8°3	9°33	23°5	25°24	S 23
M24	10 50 0	14°18'53	20°51	23°13	8°7	16°16	13°23	19°26	8°23	10°10	21°11	7°58	9°29	23°11	25°25	M24
T 25	10 53 57	15°18'45	5°13	25°10	9°21	17°0	13°36	19°23	8°27	10°12	21°12	7°51	9°26	23°18	25°25	T 25
W26	10 57 53	16°18'35	20°1	27°6	10°36	17°44	13°50	19°19	8°30	10°14	21°12	7°43	9°23	23°25	25°25	W26
T 27	11 1 50	17°18'22	5°17	29°1	11°51	18°28	14°3	19°16	8°33	10°16	21°13	7°35	9°20	23°31	25°R25	T 27
F 28	11 5 47	18°18'08	20°17	0°17	13°17	19°12	14°16	19°12	8°36	10°18	21°13	7°18	9°17	23°38	25°M25	F 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	14s28	2n 1	3n24	19s32	2s 2	18s53	0s58	0s47	0s28	18s50	0s34	5s30	2n39	2n17	0s40	18s 2
S 2	14 8	6 55	2 21	19 5	2 3	18 34	1 0	0 29	0 28	18 46	0 34	5 30	2 39	2 18	0 39	18 1
M 3	13 48	11 19	1 9	18 37	2 5	18 15	1 2	0 10	0 27	18 42	0 34	5 29	2 40	2 19	0 39	18 1
T 4	13 28	14 57	0s 5	18 7	2 6	17 56	1 3	0n 9	0 26	18 39	0 34	5 28	2 40	2 20	0 39	18 0
W 5	13 8	17 38	1 16	17 36	2 6	17 35	1 5	0 28	0 25	18 35	0 34	5 27	2 40	2 21	0 39	18 0
T 6	12 47	19 17	2 22	17 3	2 6	17 15	1 7	0 46	0 24	18 32	0 34	5 26	2 40	2 23	0 39	17 59
F 7	12 27	19 52	3 19	16 29	2 6	16 53	1 8	1 5	0 24	18 28	0 34	5 25	2 41	2 24	0 39	17 59
S 8	12 6	19 24	4 4	15 53	2 5	16 32	1 9	1 23	0 23	18 24	0 34	5 25	2 41	2 25	0 39	17 58
S 9	11 45	17 59	4 37	15 16	2 3	16 10	1 11	1 42	0 22	18 21	0 35	5 24	2 41	2 26	0 39	17 57
M10	11 24	15 44	4 56	14 37	2 2	15 47	1 12	2 1	0 21	18 17	0 35	5 23	2 41	2 27	0 39	17 57
T 11	11 2	12 50	5 2	13 57	1 59	15 24	1 13	2 19	0 21	18 13	0 35	5 22	2 42	2 28	0 39	17 56
W12	10 41	9 26	4 54	13 16	1 56	15 1	1 15	2 37	0 20	18 10	0 35	5 20	2 42	2 29	0 39	17 56
T 13	10 19	5 40	4 32	12 33	1 53	14 37	1 16	2 56	0 19	18 6	0 35	5 19	2 42	2 31	0 39	17 55
F 14	9 57	1 43	3 59	11 48	1 49	14 13	1 17	3 14	0 18	18 2	0 35	5 18	2 42	2 32	0 39	17 55
S 15	9 35	2s17	3 16	11 3	1 45	13 48	1 18	3 32	0 18	17 59	0 35	5 17	2 42	2 33	0 39	17 54
S 16	9 13	6 11	2 24	10 15	1 40	13 23	1 19	3 51	0 17	17 55	0 35	5 16	2 43	2 34	0 39	17 54
M17	8 51	9 52	1 26	9 27	1 34	12 58	1 20	4 9	0 16	17 51	0 36	5 15	2 43	2 36	0 39	17 53
T 18	8 28	13 10	0 23	8 37	1 28	12 32	1 21	4 27	0 15	17 48	0 36	5 13	2 43	2 37	0 39	17 52
W19	8 6	15 57	0n41	7 46	1 21	12 6	1 22	4 45	0 15	17 44	0 36	5 12	2 43	2 38	0 39	17 52
T 20	7 43	18 4	1 45	6 54	1 14	11 40	1 22	5 3	0 14	17 40	0 36	5 11	2 44	2 39	0 39	17 51
F 21	7 20	19 22	2 46	6 1	1 6	11 13	1 23	5 21	0 13	17 37	0 36	5 10	2 44	2 40	0 39	17 51
S 22	6 57	19 42	3 39	5 8	0 58	10 46	1 24	5 39	0 12	17 33	0 36	5 8	2 44	2 42	0 39	17 50
S 23	6 34	18 56	4 23	4 13	0 49	10 19	1 24	5 57	0 12	17 29	0 36	5 7	2 44	2 43	0 39	17 50
M24	6 11	17 3	4 53	3 18	0 39	9 51	1 25	6 15	0 11	17 26	0 36	5 5	2 44	2 44	0 39	17 49
T 25	5 48	14 3	5 6	2 22	0 29	9 24	1 25	6 32	0 10	17 22	0 37	5 4	2 45	2 46	0 39	17 49
W26	5 25	10 6	5 0	1 26	0 18	8 56	1 25	6 50	0 9	17 18	0 37	5 2	2 45	2 47	0 39	17 48
T 27	5 2	5 25	4 32	0 30	0 7	8 27	1 26	7 7	0 9	17 15	0 37	5 1	2 45	2 48	0 39	17 48
F 28	4s38	0s21	3n45	0n25	0n 4	7s59	1s26	7n25	0s 8	17s11	0s37	4s59	2n45	2n49	0s39	17s47

Julian Day Number = 2272981.5, Delta T = 267.24 sec

Ecliptic obliquity = 23°30'03, Nutation = 0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'07, Lahiri = 17°02'07 Julian Calendar 1 Feb. 1511 == Greg. Calendar 11 Feb. 1511

ASTRODIENST EPHEMERIS for the year 1511
geocentric

MARCH 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 9 43	19 ¹¹ 1752	5 ¹¹ 41	2 ¹¹ 45	14 ¹¹ 20	19 ¹¹ 56	14 ¹¹ 29	19 ¹¹ R 9	8 ¹¹ 40	10 ¹¹ 20	21 ¹¹ 14	7 ¹¹ R23	9 ¹¹ M13	23 ¹¹ 45	25 ¹¹ R25	S 1
S 2	11 13 40	20 ¹¹ 1734	20 ¹¹ 44	4 ¹¹ 34	15 ¹¹ 35	20 ¹¹ 40	14 ¹¹ 42	19 ¹¹ 5	8 ¹¹ 43	10 ¹¹ 22	21 ¹¹ 14	7 ¹¹ M19	9 ¹¹ 10	23 ¹¹ 51	25 ¹¹ M24	S 2
M 3	11 17 36	21 ¹¹ 1713	5 ¹¹ 28	6 ¹¹ 20	16 ¹¹ 50	21 ¹¹ 24	14 ¹¹ 55	19 ¹¹ 1	8 ¹¹ 46	10 ¹¹ 24	21 ¹¹ 14	7 ¹¹ D18	9 ¹¹ 7	23 ¹¹ 58	25 ¹¹ 24	M 3
T 4	11 21 33	22 ¹¹ 1651	19 ¹¹ 46	8 ¹¹ 2	18 ¹¹ 4	22 ¹¹ 8	15 ¹¹ 8	18 ¹¹ 57	8 ¹¹ 50	10 ¹¹ 25	21 ¹¹ 15	7 ¹¹ 19	9 ¹¹ 4	24 ¹¹ 5	25 ¹¹ 23	T 4
W 5	11 25 29	23 ¹¹ 1626	3 ¹¹ 38	9 ¹¹ 41	19 ¹¹ 19	22 ¹¹ 52	15 ¹¹ 20	18 ¹¹ 53	8 ¹¹ 53	10 ¹¹ 27	21 ¹¹ 15	7 ¹¹ 20	9 ¹¹ 1	24 ¹¹ 11	25 ¹¹ 23	W 5
T 6	11 29 26	24 ¹¹ 1558	17 ¹¹ 4	11 ¹¹ 16	20 ¹¹ 34	23 ¹¹ 36	15 ¹¹ 33	18 ¹¹ 50	8 ¹¹ 56	10 ¹¹ 29	21 ¹¹ 16	7 ¹¹ 21	8 ¹¹ 58	24 ¹¹ 18	25 ¹¹ 22	T 6
F 7	11 33 22	25 ¹¹ 1529	0 ¹¹ 56	12 ¹¹ 46	21 ¹¹ 48	24 ¹¹ 20	15 ¹¹ 46	18 ¹¹ 46	9 ¹¹ 0	10 ¹¹ 31	21 ¹¹ 16	7 ¹¹ R21	8 ¹¹ 54	24 ¹¹ 25	25 ¹¹ 21	F 7
S 8	11 37 19	26 ¹¹ 1457	12 ¹¹ 48	14 ¹¹ 11	23 ¹¹ 3	25 ¹¹ 3	15 ¹¹ 58	18 ¹¹ 42	9 ¹¹ 3	10 ¹¹ 32	21 ¹¹ 16	7 ¹¹ 20	8 ¹¹ 51	24 ¹¹ 31	25 ¹¹ 20	S 8
S 9	11 41 16	27 ¹¹ 1422	25 ¹¹ 14	15 ¹¹ 30	24 ¹¹ 17	25 ¹¹ 47	16 ¹¹ 11	18 ¹¹ 37	9 ¹¹ 6	10 ¹¹ 34	21 ¹¹ 16	7 ¹¹ 16	8 ¹¹ 48	24 ¹¹ 38	25 ¹¹ 19	S 9
M10	11 45 12	28 ¹¹ 1346	7 ¹¹ 27	16 ¹¹ 44	25 ¹¹ 32	26 ¹¹ 31	16 ¹¹ 23	18 ¹¹ 33	9 ¹¹ 10	10 ¹¹ 36	21 ¹¹ 16	7 ¹¹ 11	8 ¹¹ 45	24 ¹¹ 45	25 ¹¹ 18	M10
T 11	11 49 9	29 ¹¹ 1307	19 ¹¹ 31	17 ¹¹ 52	26 ¹¹ 47	27 ¹¹ 14	16 ¹¹ 35	18 ¹¹ 29	9 ¹¹ 13	10 ¹¹ 38	21 ¹¹ 17	7 ¹¹ 5	8 ¹¹ 42	24 ¹¹ 51	25 ¹¹ 17	T 11
W12	11 53 5	0 ¹¹ 1225	1 ¹¹ 28	18 ¹¹ 53	28 ¹¹ 1	27 ¹¹ 58	16 ¹¹ 48	18 ¹¹ 25	9 ¹¹ 16	10 ¹¹ 39	21 ¹¹ 17	6 ¹¹ 58	8 ¹¹ 38	24 ¹¹ 58	25 ¹¹ 16	W12
T 13	11 57 2	1 ¹¹ 1142	13 ¹¹ 21	19 ¹¹ 47	29 ¹¹ 16	28 ¹¹ 41	17 ¹¹ 0	18 ¹¹ 21	9 ¹¹ 20	10 ¹¹ 41	21 ¹¹ 17	6 ¹¹ 51	8 ¹¹ 35	25 ¹¹ 5	25 ¹¹ 14	T 13
F 14	12 0 58	2 ¹¹ 1056	25 ¹¹ 11	20 ¹¹ 35	0 ¹¹ 30	29 ¹¹ 25	17 ¹¹ 12	18 ¹¹ 16	9 ¹¹ 23	10 ¹¹ 42	21 ¹¹ 17	6 ¹¹ 45	8 ¹¹ 32	25 ¹¹ 12	25 ¹¹ 13	F 14
S 15	12 4 55	3 ¹¹ 1009	7 ¹¹ 1	21 ¹¹ 15	1 ¹¹ 45	0 ¹¹ 8	17 ¹¹ 24	18 ¹¹ 12	9 ¹¹ 27	10 ¹¹ 44	21 ¹¹ R17	6 ¹¹ 40	8 ¹¹ 29	25 ¹¹ 18	25 ¹¹ 11	S 15
S 16	12 8 51	4 ¹¹ 919	18 ¹¹ 52	21 ¹¹ 49	2 ¹¹ 59	0 ¹¹ 51	17 ¹¹ 36	18 ¹¹ 8	9 ¹¹ 30	10 ¹¹ 46	21 ¹¹ 17	6 ¹¹ 37	8 ¹¹ 26	25 ¹¹ 25	25 ¹¹ 9	S 16
M17	12 12 48	5 ¹¹ 827	0 ¹¹ 147	22 ¹¹ 15	4 ¹¹ 14	1 ¹¹ 35	17 ¹¹ 48	18 ¹¹ 3	9 ¹¹ 34	10 ¹¹ 47	21 ¹¹ 17	6 ¹¹ D36	8 ¹¹ 23	25 ¹¹ 32	25 ¹¹ 7	M17
T 18	12 16 45	6 ¹¹ 733	12 ¹¹ 48	22 ¹¹ 34	5 ¹¹ 28	2 ¹¹ 18	18 ¹¹ 0	17 ¹¹ 59	9 ¹¹ 37	10 ¹¹ 49	21 ¹¹ 17	6 ¹¹ 36	8 ¹¹ 19	25 ¹¹ 38	25 ¹¹ 5	T 18
W19	12 20 41	7 ¹¹ 638	24 ¹¹ 57	22 ¹¹ 45	6 ¹¹ 42	3 ¹¹ 1	18 ¹¹ 12	17 ¹¹ 54	9 ¹¹ 40	10 ¹¹ 50	21 ¹¹ 17	6 ¹¹ 37	8 ¹¹ 16	25 ¹¹ 45	25 ¹¹ 3	W19
T 20	12 24 38	8 ¹¹ 540	7 ¹¹ 19	22 ¹¹ R50	7 ¹¹ 57	3 ¹¹ 44	18 ¹¹ 23	17 ¹¹ 50	9 ¹¹ 44	10 ¹¹ 51	21 ¹¹ 16	6 ¹¹ 39	8 ¹¹ 13	25 ¹¹ 52	25 ¹¹ 1	T 20
F 21	12 28 34	9 ¹¹ 441	19 ¹¹ 56	22 ¹¹ 48	9 ¹¹ 11	4 ¹¹ 27	18 ¹¹ 35	17 ¹¹ 45	9 ¹¹ 47	10 ¹¹ 53	21 ¹¹ 16	6 ¹¹ 40	8 ¹¹ 10	25 ¹¹ 58	24 ¹¹ 59	F 21
S 22	12 32 31	10 ¹¹ 340	2 ¹¹ 52	22 ¹¹ 39	10 ¹¹ 26	5 ¹¹ 10	18 ¹¹ 46	17 ¹¹ 41	9 ¹¹ 51	10 ¹¹ 54	21 ¹¹ 16	6 ¹¹ 41	8 ¹¹ 7	26 ¹¹ 5	24 ¹¹ 57	S 22
S 23	12 36 27	11 ¹¹ 237	16 ¹¹ 11	22 ¹¹ 24	11 ¹¹ 40	5 ¹¹ 53	18 ¹¹ 58	17 ¹¹ 36	9 ¹¹ 54	10 ¹¹ 56	21 ¹¹ 16	6 ¹¹ R41	8 ¹¹ 4	26 ¹¹ 12	24 ¹¹ 54	S 23
M24	12 40 24	12 ¹¹ 133	29 ¹¹ 54	22 ¹¹ 4	12 ¹¹ 54	6 ¹¹ 36	19 ¹¹ 9	17 ¹¹ 32	9 ¹¹ 58	10 ¹¹ 57	21 ¹¹ 16	6 ¹¹ 40	8 ¹¹ 0	26 ¹¹ 18	24 ¹¹ 52	M24
T 25	12 44 20	13 ¹¹ 026	14 ¹¹ 22	21 ¹¹ 37	14 ¹¹ 9	7 ¹¹ 19	19 ¹¹ 20	17 ¹¹ 27	10 ¹¹ 1	10 ¹¹ 58	21 ¹¹ 15	6 ¹¹ 38	7 ¹¹ 57	26 ¹¹ 25	24 ¹¹ 49	T 25
W26	12 48 17	13 ¹¹ 5918	28 ¹¹ 38	21 ¹¹ 6	15 ¹¹ 23	8 ¹¹ 2	19 ¹¹ 31	17 ¹¹ 23	10 ¹¹ 4	11 ¹¹ 0	21 ¹¹ 15	6 ¹¹ 36	7 ¹¹ 54	26 ¹¹ 32	24 ¹¹ 47	W26
T 27	12 52 13	14 ¹¹ 5808	13 ¹¹ 31	20 ¹¹ 31	16 ¹¹ 37	8 ¹¹ 45	19 ¹¹ 42	17 ¹¹ 18	10 ¹¹ 8	11 ¹¹ 1	21 ¹¹ 15	6 ¹¹ 33	7 ¹¹ 51	26 ¹¹ 38	24 ¹¹ 44	T 27
F 28	12 56 10	15 ¹¹ 5657	28 ¹¹ 38	19 ¹¹ 53	17 ¹¹ 52	9 ¹¹ 28	19 ¹¹ 53	17 ¹¹ 13	10 ¹¹ 11	11 ¹¹ 2	21 ¹¹ 14	6 ¹¹ 30	7 ¹¹ 48	26 ¹¹ 45	24 ¹¹ 41	F 28
S 29	13 0 7	16 ¹¹ 5543	13 ¹¹ 48	19 ¹¹ 12	19 ¹¹ 6	10 ¹¹ 10	20 ¹¹ 4	17 ¹¹ 9	10 ¹¹ 15	11 ¹¹ 3	21 ¹¹ 14	6 ¹¹ 28	7 ¹¹ 44	26 ¹¹ 52	24 ¹¹ 38	S 29
S 30	13 4 3	17 ¹¹ 5427	28 ¹¹ 52	18 ¹¹ 29	20 ¹¹ 20	10 ¹¹ 53	20 ¹¹ 15	17 ¹¹ 4	10 ¹¹ 18	11 ¹¹ 4	21 ¹¹ 13	6 ¹¹ 27	7 ¹¹ 41	26 ¹¹ 58	24 ¹¹ 35	S 30
M31	13 8 0	18 ¹¹ 5310	13 ¹¹ 41	17 ¹¹ 45	21 ¹¹ 34	11 ¹¹ 36	20 ¹¹ 25	16 ¹¹ 59	10 ¹¹ 22	11 ¹¹ 6	21 ¹¹ 13	6 ¹¹ D27	7 ¹¹ M38	27 ¹¹ 45	24 ¹¹ M32	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4s15	4n45	2n42	1n21	0n16	7s30	1s26	7n42	0s 7	17s 7	0s37	4s58	2n45	2n51	0s39	17s47	0s 5	15s59	7n15	14s 1	14s36	0s53	16s13	3n 2			
S 2	3 51	9 29	1 28	2 15	0 29	7 1	1 26	8 0	0 7	17 4	0 37	4 56	2 45	2 52	0 39	17 46	0 5	15 58	7 15	13 59	14 35	0 55	16 12	3 3			
M 3	3 28	13 32	0 10	3 9	0 41	6 32	1 26	8 17	0 6	17 0	0 37	4 55	2 46	2 53	0 39	17 46	0 5	15 58	7 15	13 59	14 34	0 57	16 12	3 3			
T 4	3 4	16 39	1s 7	4 1	0 54	6 3	1 26	8 34	0 5	16 56	0 38	4 53	2 46	2 55	0 39	17 45	0 5	15 58	7 15	13 59	14 33	0 59	16 11	3 4			
W 5	2 41	18 41	2 18	4 52	1 6	5 33	1 26	8 51	0 4	16 53	0 38	4 52	2 46	2 56	0 39	17 45	0 5	15 58	7 16	14 0	14 32	1 1	16 10	3 5			
T 6	2 17	19 35	3 19	5 41	1 19	5 4	1 26	9 8	0 4	16 49	0 38	4 50	2 46	2 57	0 39	17 44	0 5	15 58	7 16	14 0	14 31	1 3	16 9	3 5			
F 7	1 53	19 23	4 7	6 28	1 32	4 34	1 26	9 25	0 3	16 45	0 38	4 48	2 46	2 59	0 39	17 44	0 5	15 58	7 16	14 0	14 30	1 5	16 9	3 6			
S 8	1 30	18 12	4 42	7 12	1 44	4 4	1 25	9 41	0 2	16 42	0 38	4 47	2 46	3 0	0 39	17 43	0 5	15 58	7 16	14 0	14 29	1 7	16 8	3 6			
S 9	1 6	16 10	5 3	7 54	1 56	3 34	1 25	9 58	0 2	16 38	0 38	4 45	2 46	3 1	0 39	17 43	0 5	15 58	7 16	13 59	14 28	1 9	16 7	3 7			
M10	0 42	13 27	5 10	8 33	2 8	3 4	1 25	10 14	0 1	16 35	0 39	4 43	2 47	3 3	0 39	17 42	0 5	15 57	7 16	13 57	14 27	1 12	16 6	3 7			
T 11	0 19	10 12	5 3	9 9	2 19	2 34	1 24	10 31	0 0	16 31	0 39	4 42	2 47	3 4	0 39	17 42	0 5	15 57	7 16	13 55	14 26	1 14	16 5	3 8			
W12	0n 5	6 35	4 43	9 42	2 29	2 4	1 24	10 47	0n 1	16 28	0 39	4 40	2 47	3 5	0 39	17 42	0 5	15 57	7 16	13 53	14 25	1 16	16 5	3 9			
T 13	0 29	2 43	4 10	10 12	2 39	1 34	1 23	11 3	0 1	16 24	0 39	4 38	2 47	3 7	0 39	17 41	0 5	15 57	7 17	13 50	14 24	1 18	16 4	3 9			
F 14	0 52	1s15	3 27	10 38	2 47	1 4	1 22	11 19	0 2	16 20	0 39	4 37	2 47	3 8	0 39	17 41	0 5	15 57	7 17	13 48	14 23	1 20	16 3	3 10			
S 15	1 16	5 9	2 35	11 1	2 55	0 33	1 22	11 35	0 3	16 17	0 39	4 35	2 47	3 10	0 39	17 40	0 5	15 57	7 17	13 47	14 22	1 22	16 2	3 10			
S 16	1 39	8 53	1 36	11 20	3 2	0 3	1 21	11 51	0 3	16 13	0 39	4 33	2 47	3 11	0 39	17 40	0 5	15 57	7 17	13 46	14 21	1 24	16 1	3 11			
M17	2 3	12 16	0 32	11 35	3 8	0n28	1 20	12 7	0 4	16 10	0 40	4 31	2 47	3 12	0 39	17 40	0 5	15 57	7 17	13 45	14 20	1 26	16 0	3 11			
T 18	2 26	15 11	0n34	11 46	3 12	0 58	1 19	12 22	0 5	16 6	0 40	4 30	2 47	3 14	0 39	17 39	0 5	15 56	7 17	13 45	14 19	1 28	15 59	3 12			
W19	2 50	17 27	1 39	11 54	3 15	1 28	1 18	12 38	0 5	16 3	0 40	4 28	2 47	3 15	0 39	17 39	0 5	15 56	7 17	13 46	14 18	1 30	15 58	3 13			
T 20	3 13	18 57	2 41	11 57	3 17	1 59	1 17	12 53	0 6	16 0	0 40	4 26	2 47	3 16	0 39	17 38	0 5	15 56	7 18	13 46	14 17	1 32	15 57	3 13			
F 21	3 36	19 32	3 36	11 56	3 17	2 29	1 16	13 9	0 7	15 56	0 40	4 24	2 47	3 18	0 39	17 38	0 5	15 56	7 18	13 47	14 16	1 34	15 56	3 14			
S 22	4 0	19 7	4 22	11 52	3 16	2 59	1 15	13 24	0 7	15 53	0 41	4 23	2 48	3 19	0 39	17 38	0 5	15 56	7 18	13 47	14 15	1 36	15 55	3 14			
S 23	4 23	17 38	4 55	11 44	3 13	3 30	1 14	13 39	0 8	15 49	0 41	4 21	2 48	3 20	0 39	17 37	0 5	15 56	7 18	13 47	14 14	1 38	15 54	3 15			
M24	4 46	15 8	5 13	11 32	3 9	4 0	1 13	13 53	0 9	15 46	0 41	4 19	2 48	3 22	0 39	17 37	0 5	15 56	7 18	13 47	14 13	1 40	15 52	3 15			
T 25	5 9	11 40	5 12	11 17	3 3	4 30	1 11	14 8	0 9	15 43	0 41	4 17	2 48	3 23	0 39	17 37	0 5	15 55	7 18	13 46	14 12	1 42	15 51	3 16			
W26	5 32	7 25	4 52	10 58	2 56	5 0	1 10	14 23	0 10	15 39	0 41	4 15	2 48	3 24	0 39	17 36	0 5	15 55	7 18	13 45	14 11	1 44	15 50	3 16			
T 27	5 55	2 37	4 12	10 37	2 47	5 30	1 9	14 37	0 11	15 36	0 41	4 14	2 48	3 26	0 39	17 36	0 5	15 55	7 18	13 44	14 10	1 46	15 49	3 17			
F 28	6 17	2n25	3 14	10 12	2 36	5 59	1 7	14 51	0 11	15 33	0 42	4 12	2 48	3 27	0 39	17 36	0 5	15 55	7 19	13 43	14 9	1 49	15 48	3 17			
S 29	6 40	7 20	2 2	9 46	2 25	6 29	1 6	15 6	0 12	15 29	0 42	4 10	2 48	3 28	0 39	17 35	0 5	15 55	7 19	13 43	14 8	1 51	15 47	3 18			
S 30	7 3	11 45	0 42	9 17	2 12	6 59	1 4	15 20	0 12	15 26	0 42	4 8	2 48	3 30	0 39	17 35	0 5	15 55	7 19	13 42	14 7	1 53	15 45	3 18			
M31	7n25	15n21	0s40	8n48	1n58	7n28	1s 2	15n33	0n13	15s23	0s42	4s 7	2n48	3n31	0s39	17s35	0s 5	15s55	7n19	13s42	14s 6	1s55	15s44	3n19			

ASTRODIENST EPHEMERIS for the year 1511

geocentric

APRIL 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 11 56	19°51'50	28♂ 9	17°R 2	22°Y49	12♂18	20♂36	16°R55	10°Y25	11♂ 7	21°R12	6♂28	7♂35	27♂12	24°R29	T 1
W 2	13 15 53	20°50'28	12♂12	16°Y18	24° 3	13° 1	20°46	16♂50	10°28	11° 8	21♂12	6°29	7°32	27°18	24♂26	W 2
T 3	13 19 49	21°49'04	25°47	15°37	25°17	13°43	20°57	16°46	10°32	11° 9	21°11	6°30	7°29	27°25	24°23	T 3
F 4	13 23 46	22°47'38	8♂57	14°57	26°31	14°26	21° 7	16°41	10°35	11°10	21°11	6°31	7°25	27°32	24°19	F 4
S 5	13 27 42	23°46'09	21°43	14°20	27°45	15° 8	21°17	16°37	10°39	11°11	21°10	6°R31	7°22	27°38	24°16	S 5
S 6	13 31 39	24°44'38	4♂10	13°47	28°59	15°51	21°27	16°32	10°42	11°12	21° 9	6°31	7°19	27°45	24°12	S 6
M 7	13 35 36	25°43'06	16°22	13°17	0♂13	16°33	21°37	16°28	10°45	11°13	21° 9	6°30	7°16	27°52	24° 9	M 7
T 8	13 39 32	26°41'30	28°22	12°51	1°28	17°15	21°46	16°23	10°49	11°14	21° 8	6°29	7°13	27°58	24° 5	T 8
W 9	13 43 29	27°39'53	10♂15	12°30	2°42	17°57	21°56	16°19	10°52	11°14	21° 7	6°28	7° 9	28° 5	24° 1	W 9
T 10	13 47 25	28°38'14	22° 5	12°14	3°56	18°40	22° 5	16°14	10°55	11°15	21° 6	6°27	7° 6	28°12	23°58	T 10
F 11	13 51 22	29°36'32	3♂55	12° 2	5°10	19°22	22°15	16°10	10°59	11°16	21° 6	6°26	7° 3	28°19	23°54	F 11
S 12	13 55 18	0♂34'49	15°46	11°55	6°24	20° 4	22°24	16° 5	11° 2	11°17	21° 5	6°25	7° 0	28°25	23°50	S 12
S 13	13 59 15	1°33'04	27°43	11°D54	7°38	20°46	22°33	16° 1	11° 5	11°18	21° 4	6°25	6°57	28°32	23°46	S 13
M14	14 3 11	2°31'17	9♂47	11°57	8°52	21°28	22°42	15°57	11° 8	11°18	21° 3	6°D25	6°54	28°39	23°42	M14
T 15	14 7 8	3°29'28	21°59	12° 5	10° 6	22°10	22°51	15°52	11°12	11°19	21° 2	6°25	6°50	28°45	23°38	T 15
W16	14 11 5	4°27'38	4♂22	12°17	11°20	22°52	23° 0	15°48	11°15	11°20	21° 1	6°25	6°47	28°52	23°34	W16
T 17	14 15 1	5°25'46	16°58	12°35	12°34	23°34	23° 9	15°44	11°18	11°20	21° 0	6°25	6°44	28°59	23°30	T 17
F 18	14 18 58	6°23'53	29°47	12°56	13°47	24°15	23°17	15°40	11°21	11°21	20°59	6°R26	6°41	29° 5	23°26	F 18
S 19	14 22 54	7°21'58	12♂52	13°22	15° 1	24°57	23°25	15°36	11°24	11°21	20°58	6°25	6°38	29°12	23°22	S 19
S 20	14 26 51	8°20'02	26°14	13°53	16°15	25°39	23°34	15°31	11°28	11°22	20°57	6°25	6°35	29°19	23°18	S 20
M21	14 30 47	9°18'04	9♂55	14°27	17°29	26°21	23°42	15°27	11°31	11°22	20°56	6°D25	6°31	29°25	23°13	M21
T 22	14 34 44	10°16'05	23°55	15° 6	18°43	27° 2	23°50	15°24	11°34	11°23	20°55	6°25	6°28	29°32	23° 9	T 22
W23	14 38 40	11°14'04	8♂13	15°48	19°57	27°44	23°58	15°20	11°37	11°23	20°54	6°26	6°25	29°39	23° 5	W23
T 24	14 42 37	12°12'02	22°46	16°34	21°11	28°25	24° 5	15°16	11°40	11°24	20°53	6°26	6°22	29°45	23° 1	T 24
F 25	14 46 34	13° 9'59	7♂31	17°23	22°24	29° 7	24°13	15°12	11°43	11°24	20°52	6°27	6°19	29°52	22°56	F 25
S 26	14 50 30	14° 7'55	22°21	18°15	23°38	29°48	24°20	15° 8	11°46	11°24	20°51	6°27	6°15	29°59	22°52	S 26
S 27	14 54 27	15° 5'49	7♂10	19°11	24°52	0♂30	24°27	15° 4	11°49	11°25	20°49	6°R27	6°12	0♂ 5	22°47	S 27
M28	14 58 23	16° 3'41	21°49	20°10	26° 6	1°11	24°35	15° 1	11°52	11°25	20°48	6°27	6° 9	0°12	22°43	M28
T 29	15 2 20	17° 1'33	6♂13	21°12	27°20	1°52	24°42	14°57	11°55	11°25	20°47	6°26	6° 6	0°19	22°39	T 29
W30	15 6 16	17♂59'22	20♂17	22°Y17	28♂33	2♂34	24♂48	14♂54	11°Y58	11♂25	20♂46	6♂25	6♂ 3	0♂25	22♂34	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7n47	17n54	1s57	8n17	1n43	7n57	1s 1	15n47	0n14	15s20	0s42	4s 5	2n48	3n32	0s39	17s34
W 2	8 9	19 15	3 5	7 46	1 27	8 26	0 59	16 1	0 14	15 17	0 43	4 3	2 48	3 34	0 39	17 34
T 3	8 31	19 26	4 0	7 15	1 11	8 55	0 57	16 14	0 15	15 14	0 43	4 1	2 48	3 35	0 39	17 34
F 4	8 53	18 31	4 41	6 44	0 54	9 24	0 56	16 27	0 16	15 11	0 43	4 0	2 48	3 36	0 39	17 34
S 5	9 15	16 42	5 6	6 14	0 37	9 52	0 54	16 41	0 16	15 8	0 43	3 58	2 48	3 38	0 39	17 33
S 6	9 36	14 8	5 17	5 46	0 21	10 20	0 52	16 54	0 17	15 4	0 43	3 56	2 48	3 39	0 39	17 33
M 7	9 58	11 0	5 12	5 19	0 4	10 48	0 50	17 6	0 17	15 1	0 44	3 54	2 48	3 40	0 39	17 33
T 8	10 19	7 28	4 54	4 54	0s13	11 16	0 48	17 19	0 18	14 59	0 44	3 53	2 48	3 42	0 39	17 33
W 9	10 40	3 40	4 24	4 31	0 29	11 43	0 46	17 31	0 19	14 56	0 44	3 51	2 48	3 43	0 39	17 32
T 10	11 1	0s15	3 42	4 10	0 44	12 10	0 44	17 44	0 19	14 53	0 44	3 49	2 47	3 44	0 39	17 32
F 11	11 22	4 10	2 51	3 52	0 59	12 37	0 42	17 56	0 20	14 50	0 44	3 48	2 47	3 46	0 39	17 32
S 12	11 42	7 57	1 52	3 36	1 13	13 4	0 40	18 8	0 20	14 47	0 45	3 46	2 47	3 47	0 39	17 32
S 13	12 3	11 26	0 48	3 23	1 27	13 30	0 38	18 20	0 21	14 44	0 45	3 45	2 47	3 48	0 39	17 31
M14	12 23	14 29	0n19	3 12	1 39	13 56	0 36	18 31	0 22	14 41	0 45	3 43	2 47	3 49	0 39	17 31
T 15	12 43	16 56	1 25	3 5	1 51	14 21	0 33	18 43	0 22	14 39	0 45	3 41	2 47	3 51	0 39	17 31
W16	13 2	18 38	2 29	2 59	2 3	14 46	0 31	18 54	0 23	14 36	0 45	3 40	2 47	3 52	0 39	17 31
T 17	13 22	19 26	3 27	2 57	2 13	15 11	0 29	19 5	0 24	14 33	0 46	3 38	2 47	3 53	0 39	17 31
F 18	13 41	19 15	4 15	2 56	2 22	15 36	0 27	19 16	0 23	14 31	0 46	3 37	2 47	3 54	0 39	17 31
S 19	14 0	18 3	4 51	2 59	2 31	16 0	0 24	19 27	0 24	14 28	0 46	3 35	2 47	3 56	0 39	17 31
S 20	14 19	15 50	5 13	3 3	2 39	16 23	0 22	19 37	0 25	14 26	0 46	3 34	2 47	3 57	0 39	17 30
M21	14 38	12 43	5 17	3 10	2 46	16 47	0 20	19 48	0 26	14 23	0 47	3 32	2 46	3 58	0 39	17 30
T 22	14 56	8 49	5 3	3 19	2 52	17 9	0 17	19 58	0 26	14 21	0 47	3 31	2 46	3 59	0 39	17 30
W23	15 14	4 20	4 30	3 31	2 57	17 32	0 15	20 8	0 27	14 19	0 47	3 30	2 46	4 1	0 39	17 30
T 24	15 32	0n29	3 40	3 44	3 1	17 54	0 13	20 18	0 27	14 16	0 47	3 28	2 46	4 2	0 39	17 30
F 25	15 50	5 21	2 34	3 59	3 5	18 15	0 10	20 28	0 28	14 14	0 48	3 27	2 46	4 3	0 39	17 30
S 26	16 7	9 55	1 18	4 17	3 8	18 36	0 8	20 37	0 28	14 12	0 48	3 26	2 46	4 4	0 39	17 30
S 27	16 24	13 53	0s 4	4 36	3 10	18 57	0 5	20 47	0 29	14 9	0 48	3 24	2 46	4 5	0 39	17 30
M28	16 41	16 55	1 24	4 57	3 12	19 17	0 3	20 56	0 29	14 7	0 48	3 23	2 45	4 6	0 39	17 30
T 29	16 58	18 49	2 38	5 19	3 12	19 36	0 1	21 5	0 30	14 5	0 48	3 22	2 45	4 8	0 39	17 30
W30	17n14	19n29	3s40	5n43	3s12	19n55	0n 2	21n13	0n30	14s 3	0s49	3s21	2n45	4n 9	0s39	17s30

Julian Day Number = 2273040.5, Delta T = 266.88 sec

Ecliptic obliquity = 23°30'03, Nutation = 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'15, Lahiri = 17°02'15 Julian Calendar 1 Apr. 1511 == Greg. Calendar 11 Apr. 1511

ASTRODIENST EPHEMERIS for the year 1511

geocentric

MAY 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 10 13	18°57'10	3°56	23°25	29°47	3°11	24°55	14°R50	12°Y 1	11°25	20°R45	6°R24	6°M 0	0°23	22°R30	T 1
F 2	15 14 9	19°54'57	17°11	24°36	1°11	3°56	25° 2	14°47	12° 4	11°25	20°R43	6°M22	5°56	0°39	22°M25	F 2
S 3	15 18 6	20°52'41	0°2	25°49	2°14	4°37	25° 8	14°44	12° 7	11°26	20°42	6°21	5°53	0°45	22°21	S 3
S 4	15 22 3	21°50'24	12°33	27° 5	3°28	5°19	25°14	14°41	12°10	11°26	20°41	6°20	5°50	0°52	22°16	S 4
M 5	15 25 59	22°48'06	24°46	28°23	4°42	6° 0	25°20	14°37	12°12	11°26	20°39	6°D19	5°47	0°59	22°12	M 5
T 6	15 29 56	23°45'46	6°46	29°44	5°55	6°41	25°26	14°34	12°15	11°26	20°38	6°20	5°44	1° 5	22° 8	T 6
W 7	15 33 52	24°43'24	18°39	1°8	7° 9	7°22	25°32	14°31	12°18	11°26	20°37	6°21	5°41	1°12	22° 3	W 7
T 8	15 37 49	25°41'00	0°29	2°34	8°23	8° 3	25°37	14°29	12°21	11°25	20°35	6°22	5°37	1°19	21°59	T 8
F 9	15 41 45	26°38'36	12°19	4° 2	9°36	8°43	25°43	14°26	12°23	11°25	20°34	6°24	5°34	1°25	21°54	F 9
S 10	15 45 42	27°36'09	24°15	5°33	10°50	9°24	25°48	14°23	12°26	11°25	20°33	6°25	5°31	1°32	21°50	S 10
S 11	15 49 38	28°33'42	6°18	7° 7	12° 3	10° 5	25°53	14°20	12°29	11°25	20°31	6°R26	5°28	1°39	21°45	S 11
M12	15 53 35	29°31'13	18°33	8°42	13°17	10°46	25°58	14°18	12°31	11°25	20°30	6°25	5°25	1°45	21°41	M12
T 13	15 57 32	0°11'28	1° 0	10°21	14°30	11°27	26° 2	14°15	12°34	11°25	20°28	6°23	5°21	1°52	21°37	T 13
W14	16 1 28	1°26'12	13°42	12° 1	15°44	12° 7	26° 7	14°13	12°36	11°24	20°27	6°21	5°18	1°59	21°32	W14
T 15	16 5 25	2°23'40	26°37	13°44	16°57	12°48	26°11	14°11	12°39	11°24	20°25	6°17	5°15	2° 5	21°28	T 15
F 16	16 9 21	3°21'08	9°34	15°29	18°11	13°29	26°16	14° 8	12°41	11°24	20°24	6°13	5°12	2°12	21°24	F 16
S 17	16 13 18	4°18'34	23°11	17°17	19°24	14° 9	26°20	14° 6	12°44	11°23	20°22	6° 9	5° 9	2°19	21°19	S 17
S 18	16 17 14	5°15'59	6°47	19° 7	20°38	14°50	26°23	14° 4	12°46	11°23	20°21	6° 6	5° 6	2°25	21°15	S 18
M19	16 21 11	6°13'24	20°35	20°59	21°51	15°30	26°27	14° 2	12°48	11°23	20°19	6° 3	5° 2	2°32	21°11	M19
T 20	16 25 7	7°10'48	4°34	22°54	23° 4	16°11	26°31	14° 0	12°51	11°22	20°18	6°D 3	4°59	2°39	21° 7	T 20
W21	16 29 4	8° 8'11	18°43	24°50	24°18	16°51	26°34	13°59	12°53	11°22	20°16	6° 3	4°56	2°45	21° 3	W21
T 22	16 33 1	9° 5'34	2°59	26°49	25°31	17°32	26°37	13°57	12°55	11°21	20°15	6° 4	4°53	2°52	20°59	T 22
F 23	16 36 57	10° 2'57	17°22	28°50	26°45	18°12	26°40	13°55	12°57	11°21	20°13	6° 5	4°50	2°59	20°55	F 23
S 24	16 40 54	11° 0'18	1°47	0°11	27°58	18°52	26°43	13°54	13° 0	11°20	20°12	6°R 6	4°47	3° 5	20°51	S 24
S 25	16 44 50	11°57'40	16°10	2°58	29°11	19°33	26°45	13°52	13° 2	11°19	20°10	6° 6	4°43	3°12	20°47	S 25
M26	16 48 47	12°55'00	0°11	5° 4	0°25	20°13	26°48	13°51	13° 4	11°19	20° 9	6° 4	4°40	3°19	20°43	M26
T 27	16 52 43	13°52'20	14°35	7°12	1°38	20°53	26°50	13°50	13° 6	11°18	20° 7	6° 0	4°37	3°25	20°39	T 27
W28	16 56 40	14°49'40	28°27	9°22	2°51	21°33	26°52	13°49	13° 8	11°17	20° 6	5°55	4°34	3°32	20°35	W28
T 29	17 0 36	15°46'58	12°20	11°32	4° 5	22°14	26°54	13°48	13°10	11°17	20° 4	5°49	4°31	3°39	20°31	T 29
F 30	17 4 33	16°44'16	25°12	13°43	5°18	22°54	26°55	13°47	13°12	11°16	20° 2	5°42	4°27	3°45	20°28	F 30
S 31	17 8 30	17°11'33	8°2	15°11	6°31	23°11	26°57	13°46	13°14	11°15	20° 1	5°M36	4°M24	3°52	20°M24	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	17n30	18n59	4s27	6n 9	3s12	20n14	0n 4	21n22	0n31	14s 1	0s49	3s20	2n45	4n10	0s39	17s30
F 2	17 46	17 27	4 59	6 36	3 10	20 31	0 7	21 30	0 31	13 59	0 49	3 18	2 45	4 11	0 39	17 30
S 3	18 1	15 4	5 15	7 4	3 8	20 49	0 9	21 38	0 32	13 57	0 49	3 17	2 45	4 12	0 39	17 30
S 4	18 16	12 3	5 15	7 34	3 6	21 5	0 12	21 46	0 32	13 55	0 50	3 16	2 44	4 13	0 39	17 30
M 5	18 31	8 35	5 0	8 5	3 3	21 22	0 14	21 54	0 33	13 54	0 50	3 15	2 44	4 14	0 39	17 30
T 6	18 46	4 49	4 33	8 37	2 59	21 37	0 16	22 2	0 33	13 52	0 50	3 14	2 44	4 15	0 39	17 30
W 7	19 0	0 54	3 54	9 10	2 54	21 52	0 19	22 9	0 34	13 50	0 50	3 13	2 44	4 16	0 39	17 30
T 8	19 14	3s 2	3 6	9 45	2 49	22 7	0 21	22 16	0 34	13 49	0 51	3 12	2 44	4 17	0 39	17 30
F 9	19 27	6 52	2 9	10 20	2 44	22 20	0 24	22 23	0 35	13 47	0 51	3 11	2 44	4 18	0 39	17 30
S 10	19 41	10 27	1 7	10 56	2 38	22 33	0 26	22 30	0 35	13 45	0 51	3 10	2 43	4 20	0 39	17 30
S 11	19 53	13 40	0 1	11 33	2 31	22 46	0 29	22 37	0 36	13 44	0 52	3 10	2 43	4 21	0 39	17 30
M12	20 6	16 20	1n 6	12 10	2 24	22 58	0 31	22 43	0 36	13 43	0 52	3 9	2 43	4 22	0 39	17 30
T 13	20 18	18 16	2 11	12 48	2 16	23 9	0 33	22 49	0 37	13 41	0 52	3 8	2 43	4 22	0 39	17 30
W14	20 30	19 21	3 11	13 27	2 8	23 20	0 36	22 55	0 37	13 40	0 52	3 7	2 43	4 23	0 39	17 30
T 15	20 42	19 26	4 2	14 6	2 0	23 29	0 38	23 1	0 38	13 39	0 53	3 7	2 42	4 24	0 39	17 30
F 16	20 53	18 28	4 41	14 45	1 51	23 39	0 40	23 7	0 39	13 37	0 53	3 6	2 42	4 25	0 39	17 30
S 17	21 4	16 29	5 5	15 25	1 41	23 47	0 43	23 12	0 38	13 36	0 53	3 5	2 42	4 26	0 39	17 30
S 18	21 14	13 34	5 13	16 5	1 32	23 55	0 45	23 17	0 39	13 35	0 53	3 5	2 42	4 27	0 39	17 30
M19	21 24	9 52	5 3	16 44	1 22	24 2	0 47	23 22	0 40	13 34	0 54	3 4	2 41	4 28	0 39	17 31
T 20	21 34	5 35	4 35	17 24	1 11	24 8	0 49	23 27	0 40	13 33	0 54	3 4	2 41	4 29	0 39	17 31
W21	21 43	0 56	3 51	18 3	1 1	24 14	0 52	23 31	0 41	13 32	0 54	3 3	2 41	4 30	0 39	17 31
T 22	21 52	3n49	2 51	18 41	0 50	24 19	0 54	23 36	0 41	13 32	0 54	3 3	2 41	4 31	0 39	17 31
F 23	22 1	8 23	1 41	19 19	0 39	24 23	0 56	23 40	0 42	13 31	0 55	3 2	2 41	4 32	0 39	17 31
S 24	22 9	12 29	0 24	19 56	0 28	24 27	0 58	23 44	0 42	13 30	0 55	3 2	2 40	4 32	0 39	17 31
S 25	22 17	15 51	0s55	20 31	0 17	24 30	1 0	23 48	0 42	13 30	0 55	3 2	2 40	4 33	0 39	17 32
M26	22 24	18 12	2 9	21 6	0 6	24 32	1 2	23 51	0 43	13 29	0 56	3 1	2 40	4 34	0 39	17 32
T 27	22 31	19 24	3 14	21 38	0n 4	24 33	1 4	23 54	0 43	13 29	0 56	3 1	2 40	4 35	0 39	17 32
W28	22 38	19 23	4 7	22 10	0 15	24 34	1 6	23 58	0 44	13 28	0 56	3 1	2 39	4 36	0 39	17 32
T 29	22 44	18 15	4 44	22 39	0 25	24 34	1 8	24 0	0 44	13 28	0 56	3 1	2 39	4 36	0 39	17 32
F 30	22 50	16 9	5 5	23 6	0 36	24 33	1 10	24 3	0 45	13 27	0 57	3 1	2 39	4 37	0 40	17 33
S 31	22n56	13n19	5s10	23n30	0n45	24n32	1n11	24n 6	0n45	13s27	0s57	3s 1	2n39	4n38	0s40	17s33

Julian Day Number = 2273070.5, Delta T = 266.70 sec

Ecliptic obliquity = 23°30'02, Nutation = 0°00'09, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'19, Lahiri = 17°02'19 Julian Calendar 1 May 1511 == Greg. Calendar 11 May 1511

ASTRODIENST EPHEMERIS for the year 1511

geocentric

JUNE 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 12 26	18II38'49	20Ω34	18II 6	7♂44	24II14	26♂58	13°R45	13°Y16	11°R14	19°R59	5°R31	4♂21	3♂59	20°R21	S 1
M 2	17 16 23	19°36'05	2♂48	20°18	8°57	24°54	26°59	13♂45	13°18	11♂14	19♂58	5♂28	4°18	4° 5	20♂17	M 2
T 3	17 20 19	20°33'19	14°49	22°30	10°11	25°34	27° 0	13°44	13°19	11°13	19°56	5°26	4°15	4°12	20°14	T 3
W 4	17 24 16	21°30'33	26°42	24°40	11°24	26°14	27° 1	13°44	13°21	11°12	19°55	5°D26	4°12	4°19	20°10	W 4
T 5	17 28 12	22°27'46	8♂31	26°50	12°37	26°54	27° 1	13°43	13°23	11°11	19°53	5°27	4° 8	4°25	20° 7	T 5
F 6	17 32 9	23°24'59	20°23	28°59	13°50	27°34	27° 1	13°43	13°24	11°10	19°51	5°28	4° 5	4°32	20° 4	F 6
S 7	17 36 5	24°22'11	2♂22	1♂ 7	15° 3	28°14	27°R 1	13°43	13°26	11° 9	19°50	5°R29	4° 2	4°39	20° 1	S 7
S 8	17 40 2	25°19'22	14°31	3°14	16°16	28°53	27° 1	13°D43	13°28	11° 8	19°48	5°29	3°59	4°45	19°57	S 8
M 9	17 43 59	26°16'33	26°56	5°18	17°29	29°33	27° 1	13°43	13°29	11° 7	19°47	5°27	3°56	4°52	19°54	M 9
T 10	17 47 55	27°13'44	9♂37	7°22	18°42	0♂13	27° 0	13°43	13°31	11° 6	19°45	5°22	3°53	4°59	19°52	T 10
W11	17 51 52	28°10'54	22°37	9°23	19°56	0°53	27° 0	13°43	13°32	11° 5	19°44	5°16	3°49	5° 5	19°49	W11
T 12	17 55 48	29° 8'04	5♂56	11°22	21° 9	1°32	26°59	13°44	13°33	11° 4	19°42	5° 8	3°46	5°12	19°46	T 12
F 13	17 59 45	0♂ 5'14	19°31	13°20	22°22	2°12	26°58	13°44	13°35	11° 3	19°41	4°59	3°43	5°19	19°43	F 13
S 14	18 3 41	1° 2'23	3♂19	15°15	23°35	2°52	26°57	13°45	13°36	11° 2	19°39	4°50	3°40	5°25	19°41	S 14
S 15	18 7 38	1°59'33	17°18	17° 9	24°47	3°31	26°55	13°46	13°37	11° 0	19°38	4°43	3°37	5°32	19°38	S 15
M16	18 11 34	2°56'43	1♂23	19° 1	26° 0	4°11	26°54	13°46	13°39	10°59	19°36	4°37	3°33	5°39	19°36	M16
T 17	18 15 31	3°53'53	15°32	20°50	27°13	4°50	26°52	13°47	13°40	10°58	19°35	4°33	3°30	5°45	19°33	T 17
W18	18 19 28	4°51'04	29°42	22°37	28°26	5°30	26°50	13°48	13°41	10°57	19°33	4°D32	3°27	5°52	19°31	W18
T 19	18 23 24	5°48'14	13°Y51	24°23	29°39	6° 9	26°47	13°49	13°42	10°56	19°32	4°32	3°24	5°59	19°29	T 19
F 20	18 27 21	6°45'25	27°58	26° 6	0♂52	6°49	26°45	13°50	13°43	10°54	19°30	4°R32	3°21	6° 5	19°27	F 20
S 21	18 31 17	7°42'37	12♂ 2	27°47	2° 5	7°28	26°42	13°52	13°44	10°53	19°29	4°32	3°18	6°12	19°25	S 21
S 22	18 35 14	8°39'49	26° 1	29°26	3°18	8° 7	26°40	13°53	13°45	10°52	19°27	4°31	3°14	6°19	19°23	S 22
M23	18 39 10	9°37'01	9II53	1♂ 3	4°30	8°47	26°37	13°54	13°46	10°50	19°26	4°26	3°11	6°25	19°21	M23
T 24	18 43 7	10°34'13	23°36	2°38	5°43	9°26	26°34	13°56	13°47	10°49	19°24	4°20	3° 8	6°32	19°19	T 24
W25	18 47 3	11°31'26	7♂ 7	4°11	6°56	10° 5	26°30	13°58	13°47	10°48	19°23	4°10	3° 5	6°39	19°17	W25
T 26	18 51 0	12°28'39	20°24	5°42	8° 9	10°45	26°27	13°59	13°48	10°46	19°21	3°59	3° 2	6°45	19°16	T 26
F 27	18 54 57	13°25'53	3♂25	7°11	9°21	11°24	26°23	14° 1	13°49	10°45	19°20	3°48	2°59	6°52	19°14	F 27
S 28	18 58 53	14°23'06	16° 8	8°37	10°34	12° 3	26°19	14° 3	13°50	10°43	19°19	3°37	2°55	6°59	19°13	S 28
S 29	19 2 50	15°20'20	28°34	10° 2	11°47	12°42	26°15	14° 5	13°50	10°42	19°17	3°27	2°52	7° 5	19°12	S 29
M30	19 6 46	16♂17'34	10♂45	11♂24	13♂ 0	13♂22	26♂11	14♂ 7	13°Y51	10♂41	19♂16	3♂20	2♂49	7♂12	19♂11	M30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n 1	9n56	4s59	23n52	0n54	24n29	1n13	24n 8	0n46	13s27	0s57	3s 1	2n38	4n38	0s40	17s33
M 2	23 6	6 13	4 36	24 12	1 3	24 26	1 15	24 10	0 46	13 27	0 58	3 1	2 38	4 39	0 40	17 33
T 3	23 10	2 18	4 0	24 28	1 11	24 23	1 17	24 12	0 46	13 27	0 58	3 1	2 38	4 40	0 40	17 34
W 4	23 14	1s39	3 14	24 42	1 19	24 18	1 18	24 14	0 47	13 27	0 58	3 1	2 38	4 41	0 40	17 34
T 5	23 17	5 33	2 21	24 53	1 26	24 13	1 20	24 15	0 47	13 27	0 58	3 1	2 37	4 41	0 40	17 34
F 6	23 20	9 14	1 21	25 2	1 32	24 8	1 21	24 16	0 48	13 27	0 59	3 1	2 37	4 42	0 40	17 34
S 7	23 23	12 35	0 17	25 7	1 37	24 1	1 23	24 17	0 48	13 28	0 59	3 1	2 37	4 42	0 40	17 35
S 8	23 25	15 28	0n49	25 10	1 42	23 54	1 24	24 18	0 48	13 28	0 59	3 1	2 37	4 43	0 40	17 35
M 9	23 27	17 41	1 53	25 10	1 46	23 46	1 25	24 19	0 49	13 28	1 0	3 2	2 36	4 44	0 40	17 35
T 10	23 28	19 6	2 53	25 7	1 50	23 37	1 27	24 19	0 49	13 29	1 0	3 2	2 36	4 44	0 40	17 36
W11	23 29	19 32	3 46	25 2	1 52	23 28	1 28	24 19	0 50	13 29	1 0	3 2	2 36	4 45	0 40	17 36
T 12	23 30	18 55	4 27	24 54	1 54	23 18	1 29	24 19	0 50	13 30	1 0	3 3	2 35	4 45	0 40	17 36
F 13	23 30	17 13	4 55	24 44	1 55	23 7	1 30	24 19	0 50	13 30	1 1	3 3	2 35	4 46	0 40	17 36
S 14	23 30	14 31	5 5	24 32	1 56	22 56	1 31	24 19	0 51	13 31	1 1	3 3	2 35	4 46	0 40	17 37
S 15	23 29	10 57	4 58	24 18	1 55	22 44	1 32	24 18	0 51	13 32	1 1	3 4	2 35	4 47	0 40	17 37
M16	23 28	6 45	4 33	24 2	1 54	22 31	1 33	24 18	0 51	13 33	1 1	3 5	2 34	4 47	0 40	17 37
T 17	23 27	2 10	3 51	23 44	1 53	22 18	1 34	24 17	0 52	13 33	1 2	3 5	2 34	4 47	0 40	17 38
W18	23 25	2n33	2 55	23 25	1 50	22 4	1 35	24 15	0 52	13 34	1 2	3 6	2 34	4 48	0 40	17 38
T 19	23 22	7 8	1 48	23 4	1 47	21 50	1 35	24 14	0 53	13 35	1 2	3 6	2 34	4 48	0 40	17 38
F 20	23 20	11 19	0 35	22 41	1 44	21 35	1 36	24 12	0 53	13 37	1 3	3 7	2 33	4 49	0 40	17 39
S 21	23 17	14 51	0s40	22 17	1 40	21 19	1 37	24 11	0 53	13 38	1 3	3 8	2 33	4 49	0 40	17 39
S 22	23 13	17 30	1 52	21 52	1 35	21 3	1 37	24 9	0 54	13 39	1 3	3 9	2 33	4 49	0 40	17 40
M23	23 9	19 5	2 57	21 26	1 30	20 46	1 37	24 6	0 54	13 40	1 3	3 9	2 33	4 50	0 40	17 40
T 24	23 5	19 31	3 50	20 59	1 24	20 28	1 38	24 4	0 54	13 42	1 4	3 10	2 32	4 50	0 40	17 40
W25	23 0	18 49	4 30	20 31	1 18	20 10	1 38	24 2	0 55	13 43	1 4	3 11	2 32	4 50	0 40	17 41
T 26	22 55	17 6	4 54	20 3	1 11	19 52	1 38	23 59	0 55	13 44	1 4	3 12	2 32	4 50	0 40	17 41
F 27	22 49	14 32	5 2	19 34	1 4	19 32	1 38	23 56	0 55	13 46	1 5	3 13	2 32	4 51	0 40	17 41
S 28	22 43	11 20	4 55	19 4	0 57	19 13	1 39	23 53	0 56	13 47	1 5	3 14	2 31	4 51	0 40	17 42
S 29	22 37	7 43	4 34	18 33	0 48	18 53	1 39	23 49	0 56	13 49	1 5	3 15	2 31	4 51	0 40	17 42
M30	22n30	3n50	4s 1	18n 3	0n40	18n32	1n38	23n46	0n56	13s51	1s 5	3s16	2n31	4n51	0s40	17s43

Julian Day Number = 2273101.5, Delta T = 266.51 sec

Ecliptic obliquity = 23°30'02, Nutation = 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'23, Lahiri = 17°02'24 Julian Calendar 1 June 1511 == Greg. Calendar 11 June 1511

ASTRODIENST EPHEMERIS for the year 1511
geocentric

JULY 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 10 43	17°14'48"	22°45'	12°44'	14°12'	14°12'	26°R 7	14°49	13°V51	10°R39	19°R15	3°R15	2°M46	7°19	19°R10	T 1
W 2	19 14 39	18°12'02"	4°43'	14° 1	15°25'	14°40'	26°R 2	14°12'	13°52'	10°R38	19°R13	3°M13	2°43'	7°25'	19°M 9	W 2
T 3	19 18 36	19° 9'17"	16°25'	15°17'	16°37'	15°19'	25°57'	14°14'	13°52'	10°36'	19°12'	3°D12	2°39'	7°32'	19° 8	T 3
F 4	19 22 32	20° 6'31"	28°17'	16°29'	17°50'	15°58'	25°52'	14°17'	13°52'	10°35'	19°11'	3°R12	2°36'	7°39'	19° 7	F 4
S 5	19 26 29	21° 3'46"	10°M16	17°40'	19° 2	16°37'	25°47'	14°19'	13°53'	10°33'	19° 9	3°12'	2°33'	7°45'	19° 6	S 5
S 6	19 30 26	22° 1'02"	22°28'	18°48'	20°15'	17°16'	25°42'	14°22'	13°53'	10°32'	19° 8	3°11'	2°30'	7°52'	19° 6	S 6
M 7	19 34 22	22°58'17"	4°V58	19°53'	21°27'	17°55'	25°37'	14°25'	13°53'	10°30'	19° 7	3° 7	2°27'	7°59'	19° 5	M 7
T 8	19 38 19	23°55'33"	17°49'	20°56'	22°40'	18°34'	25°31'	14°28'	13°53'	10°29'	19° 6	3° 1	2°24'	8° 5	19° 5	T 8
W 9	19 42 15	24°52'50"	1°3 3	21°55'	23°52'	19°13'	25°26'	14°30'	13°53'	10°27'	19° 4	2°53'	2°20'	8°12'	19° 4	W 9
T 10	19 46 12	25°50'07"	14°41'	22°52'	25° 4	19°52'	25°20'	14°33'	13°53'	10°26'	19° 3	2°43'	2°17'	8°19'	19° 4	T 10
F 11	19 50 8	26°47'25"	28°39'	23°46'	26°17'	20°31'	25°14'	14°37'	13°R53	10°24'	19° 2	2°31'	2°14'	8°25'	19°D 4	F 11
S 12	19 54 5	27°44'44"	12°R53	24°37'	27°29'	21° 9	25° 8	14°40'	13°53'	10°22'	19° 1	2°20'	2°11'	8°32'	19° 4	S 12
S 13	19 58 1	28°42'03"	27°18'	25°24'	28°41'	21°48'	25° 2	14°43'	13°53'	10°21'	19° 0	2°10'	2° 8	8°38'	19° 4	S 13
M14	20 1 58	29°39'24"	11°K47	26° 8	29°54'	22°27'	24°56'	14°46'	13°53'	10°19'	18°59'	2° 2	2° 4	8°45'	19° 5	M14
T 15	20 5 55	0°136'45"	26°15'	26°48'	1°M 6	23° 6	24°49'	14°50'	13°53'	10°18'	18°58'	1°57'	2° 1	8°52'	19° 5	T 15
W16	20 9 51	1°34'07"	10°V36	27°24'	2°18'	23°45'	24°43'	14°53'	13°53'	10°16'	18°57'	1°54'	1°58'	8°58'	19° 5	W16
T 17	20 13 48	2°31'31"	24°49'	27°57'	3°30'	24°23'	24°36'	14°57'	13°53'	10°14'	18°56'	1°53'	1°55'	9° 5	19° 6	T 17
F 18	20 17 44	3°28'56"	8°B52	28°25'	4°42'	25° 2	24°29'	15° 1	13°52'	10°13'	18°55'	1°53'	1°52'	9°12'	19° 6	F 18
S 19	20 21 41	4°26'22"	22°43'	28°49'	5°54'	25°41'	24°22'	15° 5	13°52'	10°11'	18°54'	1°53'	1°49'	9°18'	19° 7	S 19
S 20	20 25 37	5°23'50"	6°I25	29° 8	7° 6	26°19'	24°15'	15° 8	13°51'	10°10'	18°53'	1°50'	1°45'	9°25'	19° 8	S 20
M21	20 29 34	6°21'19"	19°55'	29°23'	8°18'	26°58'	24° 8	15°12'	13°51'	10° 8	18°52'	1°45'	1°42'	9°32'	19° 9	M21
T 22	20 33 30	7°18'49"	3°B15	29°33'	9°30'	27°37'	24° 1	15°16'	13°50'	10° 6	18°51'	1°37'	1°39'	9°38'	19°10	T 22
W23	20 37 27	8°16'20"	16°24'	29°R37	10°42'	28°15'	23°54'	15°20'	13°50'	10° 5	18°50'	1°27'	1°36'	9°45'	19°11	W23
T 24	20 41 24	9°13'53"	29°20'	29°37'	11°54'	28°54'	23°46'	15°25'	13°49'	10° 3	18°49'	1°15'	1°33'	9°52'	19°12	T 24
F 25	20 45 20	10°11'27"	12°L 3	29°31'	13° 6	29°32'	23°39'	15°29'	13°49'	10° 1	18°48'	1° 2	1°30'	9°58'	19°14	F 25
S 26	20 49 17	11° 9'02"	24°33'	29°19'	14°18'	0°L11	23°32'	15°33'	13°48'	10° 0	18°47'	0°49'	1°26'	10° 5	19°15	S 26
S 27	20 53 13	12° 6'38"	6°M50	29° 3	15°30'	0°50'	23°24'	15°38'	13°47'	9°58'	18°47'	0°38'	1°23'	10°12'	19°17	S 27
M28	20 57 10	13° 4'15"	18°55'	28°40'	16°41'	1°28'	23°16'	15°42'	13°46'	9°56'	18°46'	0°29'	1°20'	10°18'	19°18	M28
T 29	21 1 6	14° 1'53"	0°L51	28°13'	17°53'	2° 7	23° 9	15°47'	13°45'	9°55'	18°45'	0°23'	1°17'	10°25'	19°20	T 29
W30	21 5 3	14°59'32"	12°40'	27°40'	19° 5	2°45'	23° 1	15°51'	13°45'	9°53'	18°44'	0°20'	1°14'	10°32'	19°22	W30
T 31	21 8 59	15°15'7"12"	24°L27	27°L 3	20°M16	3°L23	22°R53	15°L56	13°V44	9°R52	18°R44	0°M19	1°M10	10°L38	19°M24	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22n23	0s 8	3s17	17n32	0n31	18n11	1n38	23n42	0n57	13s52	1s 6	3s17	2n31	4n52	0s40	17s43
W 2	22 16	4 4	2 26	17 1	0 22	17 49	1 38	23 38	0 57	13 54	1 6	3 18	2 30	4 52	0 40	17 44
T 3	22 8	7 50	1 28	16 29	0 12	17 27	1 38	23 34	0 57	13 56	1 6	3 19	2 30	4 52	0 40	17 44
F 4	21 59	11 18	0 26	15 58	0 2	17 4	1 37	23 30	0 58	13 58	1 6	3 21	2 30	4 52	0 40	17 44
S 5	21 51	14 21	0n37	15 27	0s 8	16 41	1 37	23 25	0 58	14 0	1 7	3 22	2 30	4 52	0 41	17 45
S 6	21 42	16 49	1 40	14 56	0 19	16 18	1 36	23 21	0 58	14 2	1 7	3 23	2 29	4 52	0 41	17 45
M 7	21 32	18 33	2 40	14 25	0 30	15 54	1 36	23 16	0 59	14 4	1 7	3 24	2 29	4 52	0 41	17 46
T 8	21 23	19 24	3 33	13 54	0 41	15 29	1 35	23 11	0 59	14 6	1 7	3 26	2 29	4 52	0 41	17 46
W 9	21 12	19 14	4 16	13 24	0 53	15 5	1 34	23 6	0 59	14 8	1 8	3 27	2 29	4 52	0 41	17 46
T 10	21 2	17 57	4 46	12 55	1 4	14 40	1 33	23 1	1 0	14 10	1 8	3 28	2 28	4 52	0 41	17 47
F 11	20 51	15 35	5 0	12 26	1 16	14 14	1 32	22 55	1 0	14 13	1 8	3 30	2 28	4 52	0 41	17 47
S 12	20 40	12 15	4 56	11 58	1 28	13 48	1 31	22 49	1 0	14 15	1 8	3 31	2 28	4 52	0 41	17 48
S 13	20 28	8 10	4 33	11 30	1 41	13 22	1 30	22 44	1 1	14 17	1 8	3 33	2 28	4 52	0 41	17 48
M14	20 16	3 35	3 52	11 4	1 53	12 56	1 29	22 38	1 1	14 19	1 9	3 34	2 27	4 52	0 41	17 49
T 15	20 4	1n12	2 57	10 39	2 5	12 29	1 28	22 31	1 1	14 22	1 9	3 36	2 27	4 52	0 41	17 49
W16	19 52	5 54	1 50	10 15	2 18	12 2	1 26	22 25	1 1	14 24	1 9	3 37	2 27	4 52	0 41	17 50
T 17	19 39	10 13	0 37	9 52	2 31	11 34	1 25	22 18	1 2	14 27	1 9	3 39	2 27	4 52	0 41	17 50
F 18	19 26	13 54	0s37	9 30	2 43	11 6	1 24	22 12	1 2	14 29	1 10	3 41	2 26	4 51	0 41	17 50
S 19	19 12	16 46	1 48	9 10	2 55	10 38	1 22	22 5	1 2	14 32	1 10	3 42	2 26	4 51	0 41	17 51
S 20	18 58	18 37	2 52	8 52	3 8	10 10	1 20	21 58	1 3	14 34	1 10	3 44	2 26	4 51	0 41	17 51
M21	18 44	19 23	3 45	8 36	3 19	9 41	1 19	21 51	1 3	14 37	1 10	3 46	2 26	4 51	0 41	17 52
T 22	18 29	19 3	4 25	8 22	3 31	9 13	1 17	21 43	1 3	14 39	1 10	3 48	2 26	4 51	0 41	17 52
W23	18 15	17 41	4 50	8 10	3 42	8 44	1 15	21 36	1 3	14 42	1 10	3 49	2 25	4 50	0 41	17 53
T 24	17 59	15 26	5 0	8 0	3 53	8 14	1 13	21 28	1 4	14 44	1 11	3 51	2 25	4 50	0 41	17 53
F 25	17 44	12 30	4 55	7 53	4 3	7 45	1 11	21 20	1 4	14 47	1 11	3 53	2 25	4 50	0 41	17 54
S 26	17 28	9 2	4 36	7 48	4 12	7 15	1 9	21 13	1 4	14 50	1 11	3 55	2 25	4 50	0 41	17 54
S 27	17 12	5 15	4 4	7 46	4 21	6 45	1 7	21 4	1 4	14 52	1 11	3 57	2 24	4 49	0 41	17 55
M28	16 56	1 19	3 21	7 47	4 28	6 15	1 5	20 56	1 5	14 55	1 11	3 59	2 24	4 49	0 41	17 55
T 29	16 40	2s37	2 30	7 50	4 34	5 45	1 2	20 48	1 5	14 58	1 11	4 1	2 24	4 49	0 41	17 55
W30	16 23	6 26	1 32	7 57	4 39	5 15	1 0	20 39	1 5	15 0	1 12	4 3	2 24	4 48	0 41	17 56
T 31	16n 6	9s59	0s31	8n 6	4s42	4n45	0n57	20n31	1n 6	15s 3	1s12	4s 5	2n24	4n48	0s41	17s56

Julian Day Number = 2273131.5, Delta T = 266.33 sec
Ecliptic obliquity = 23°30'02", Nutation = 0°00'10", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 17°55'27", Lahiri = 17°02'28" Julian Calendar 1 July 1511 == Greg. Calendar 11 July 1511

ASTRODIENST EPHEMERIS for the year 1511

geocentric

AUGUST 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 12 56	16 ^Ω 54°53	6 [♉] 17	26°R21	21 [♊] 28	4 [♈] 2	22°R46	16 [♊] 1	13°R43	9°R50	18°R43	0°D19	1 [♉] 7	10 [♊] 45	19 [♈] 26	F 1
S 2	21 16 53	17°52'36	18°15	25 [♈] 35	22°40	4°40	22 [♈] 38	16°6	13°V42	9 [♈] 48	18 [♈] 43	0°R19	1°4	10°52	19°28	S 2
S 3	21 20 49	18°50'19	0 [♊] 26	24°47	23°51	5°19	22°30	16°11	13°41	9°47	18°42	0 [♉] 18	1°1	10°58	19°30	S 3
M 4	21 24 46	19°48'04	12°56	23°56	25°2	5°57	22°22	16°16	13°39	9°45	18°41	0°16	0°58	11°5	19°32	M 4
T 5	21 28 42	20°45'50	25°49	23°3	26°14	6°35	22°14	16°21	13°38	9°44	18°41	0°11	0°55	11°12	19°35	T 5
W 6	21 32 39	21°43'37	9 [♊] 9	22°10	27°25	7°14	22°6	16°26	13°37	9°42	18°40	0°5	0°51	11°18	19°37	W 6
T 7	21 36 35	22°41'26	22°55	21°18	28°36	7°52	21°58	16°31	13°36	9°40	18°40	29 [♊] 56	0°48	11°25	19°40	T 7
F 8	21 40 32	23°39'15	7 [♈] 8	20°27	29°48	8°30	21°50	16°36	13°35	9°39	18°39	29°46	0°45	11°32	19°43	F 8
S 9	21 44 28	24°37'06	21°41	19°40	0 [♊] 59	9°9	21°43	16°41	13°33	9°37	18°39	29°36	0°42	11°38	19°46	S 9
S 10	21 48 25	25°34'59	6 [♈] 28	18°56	2°10	9°47	21°35	16°47	13°32	9°36	18°39	29°27	0°39	11°45	19°48	S 10
M 11	21 52 22	26°32'53	21°21	18°17	3°21	10°25	21°27	16°52	13°31	9°34	18°38	29°20	0°36	11°51	19°51	M 11
T 12	21 56 18	27°30'49	6 [♊] 12	17°43	4°32	11°3	21°19	16°58	13°29	9°33	18°38	29°16	0°32	11°58	19°54	T 12
W 13	22 0 15	28°28'46	20°53	17°17	5°43	11°41	21°11	17°3	13°28	9°31	18°38	29°14	0°29	12°5	19°58	W 13
T 14	22 4 11	29°26'46	5 [♊] 20	16°57	6°54	12°20	21°4	17°9	13°26	9°30	18°37	29°D14	0°26	12°11	20°1	T 14
F 15	22 8 8	0 [♊] 24'47	19°29	16°45	8°5	12°58	20°56	17°15	13°25	9°28	18°37	29°14	0°23	12°18	20°4	F 15
S 16	22 12 4	1°22'51	3 [♉] 20	16°D41	9°16	13°36	20°48	17°20	13°23	9°27	18°37	29°R15	0°20	12°25	20°8	S 16
S 17	22 16 1	2°20'57	16°54	16°46	10°26	14°14	20°41	17°26	13°21	9°25	18°37	29°14	0°16	12°31	20°11	S 17
M 18	22 19 57	3°19'04	0 [♊] 12	16°59	11°37	14°52	20°33	17°32	13°20	9°24	18°37	29°11	0°13	12°38	20°15	M 18
T 19	22 23 54	4°17'14	13°14	17°21	12°48	15°30	20°26	17°38	13°18	9°22	18°37	29°5	0°10	12°45	20°18	T 19
W 20	22 27 51	5°15'25	26°4	17°51	13°58	16°8	20°18	17°44	13°16	9°21	18°37	28°58	0°7	12°51	20°22	W 20
T 21	22 31 47	6°13'38	8 [♈] 41	18°29	15°9	16°47	20°11	17°50	13°14	9°19	18°37	28°49	0°4	12°58	20°26	T 21
F 22	22 35 44	7°11'54	21°7	19°16	16°19	17°25	20°4	17°56	13°13	9°18	18°D37	28°39	0°1	13°5	20°30	F 22
S 23	22 39 40	8°10'11	3 [♊] 22	20°10	17°30	18°3	19°57	18°2	13°11	9°17	18°37	28°30	29 [♊] 57	13°11	20°34	S 23
S 24	22 43 37	9°8'30	15°28	21°12	18°40	18°41	19°49	18°8	13°9	9°15	18°37	28°21	29°54	13°18	20°38	S 24
M 25	22 47 33	10°6'50	27°25	22°21	19°50	19°19	19°43	18°14	13°7	9°14	18°37	28°15	29°51	13°25	20°42	M 25
T 26	22 51 30	11°5'13	9 [♊] 16	23°36	21°1	19°57	19°36	18°20	13°5	9°12	18°37	28°11	29°48	13°31	20°47	T 26
W 27	22 55 26	12°3'37	21°3	24°56	22°11	20°35	19°29	18°27	13°3	9°11	18°37	28°9	29°45	13°38	20°51	W 27
T 28	22 59 23	13°2'03	2 [♉] 49	26°22	23°21	21°13	19°22	18°33	13°1	9°10	18°37	28°D9	29°41	13°45	20°56	T 28
F 29	23 3 19	14°0'30	14°38	27°53	24°31	21°51	19°16	18°39	12°59	9°9	18°37	28°10	29°38	13°51	21°0	F 29
S 30	23 7 16	14°59'00	26°35	29°28	25°41	22°29	19°9	18°46	12°57	9°7	18°38	28°11	29°35	13°58	21°5	S 30
S 31	23 11 13	15 [♊] 57'31	8 [♊] 45	1 [♊] 6	26 [♊] 51	23 [♈] 6	19 [♈] 3	18 [♊] 52	12 [♊] 55	9 [♈] 6	18 [♊] 38	28 [♊] 13	29 [♊] 32	14 [♊] 4	21 [♉] 9	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	15n48	13s 9	0n32	8n19	4s44	4n14	0n55	20n22	1n 6	15s 6	1s12	4s 7	2n23	4n47	0s41	17s57	0s 7	15s55	7n 7	11s37	11s54	5s55	14s13	3n33					
S 2	15 31	15 48	1 34	8 34	4 44	3 43	0 52	20 13	1 6	15 8	1 12	4 9	2 23	4 47	0 41	17 57	0 7	15 55	7 7	11 37	11 53	5 57	14 13	3 33					
S 3	15 13	17 48	2 33	8 51	4 42	3 12	0 50	20 4	1 6	15 11	1 12	4 11	2 23	4 47	0 41	17 58	0 7	15 56	7 7	11 36	11 51	5 59	14 14	3 33					
M 4	14 55	19 0	3 27	9 11	4 39	2 42	0 47	19 54	1 7	15 14	1 12	4 13	2 23	4 46	0 41	17 58	0 7	15 56	7 7	11 36	11 50	6 1	14 15	3 33					
T 5	14 37	19 15	4 11	9 34	4 33	2 11	0 44	19 45	1 7	15 17	1 12	4 15	2 23	4 46	0 41	17 59	0 7	15 56	7 6	11 34	11 49	6 2	14 16	3 33					
W 6	14 18	18 28	4 44	9 58	4 26	1 40	0 41	19 36	1 7	15 19	1 12	4 17	2 23	4 45	0 41	17 59	0 7	15 57	7 6	11 32	11 48	6 4	14 16	3 32					
T 7	13 59	16 36	5 1	10 23	4 17	1 9	0 38	19 26	1 7	15 22	1 13	4 19	2 22	4 45	0 41	17 59	0 7	15 57	7 6	11 29	11 47	6 6	14 17	3 32					
F 8	13 40	13 41	5 1	10 49	4 6	0 37	0 35	19 16	1 7	15 25	1 13	4 21	2 22	4 44	0 41	18 0	0 7	15 57	7 5	11 25	11 46	6 8	14 18	3 32					
S 9	13 21	9 52	4 41	11 16	3 53	0 6	0 32	19 6	1 8	15 27	1 13	4 23	2 22	4 44	0 41	18 0	0 7	15 57	7 5	11 22	11 45	6 10	14 19	3 32					
S 10	13 2	5 24	4 3	11 43	3 39	0s25	0 29	18 56	1 8	15 30	1 13	4 26	2 22	4 43	0 41	18 1	0 7	15 58	7 5	11 18	11 44	6 12	14 20	3 32					
M11	12 42	0 34	3 8	12 10	3 23	0 56	0 26	18 46	1 8	15 32	1 13	4 28	2 22	4 42	0 42	18 1	0 7	15 58	7 4	11 16	11 43	6 13	14 21	3 32					
T 12	12 22	4n18	2 0	12 36	3 7	1 27	0 23	18 36	1 8	15 35	1 13	4 30	2 21	4 42	0 42	18 2	0 7	15 58	7 4	11 14	11 41	6 15	14 22	3 32					
W13	12 2	8 52	0 45	13 0	2 50	1 58	0 20	18 25	1 9	15 38	1 13	4 32	2 21	4 41	0 42	18 2	0 7	15 58	7 4	11 14	11 40	6 17	14 23	3 32					
T 14	11 42	12 49	0s33	13 23	2 32	2 30	0 17	18 15	1 9	15 40	1 13	4 35	2 21	4 41	0 42	18 2	0 7	15 59	7 3	11 14	11 39	6 19	14 24	3 31					
F 15	11 21	15 56	1 46	13 44	2 13	3 1	0 13	18 4	1 9	15 43	1 13	4 37	2 21	4 40	0 42	18 3	0 7	15 59	7 3	11 14	11 38	6 21	14 25	3 31					
S 16	11 1	18 3	2 52	14 3	1 54	3 32	0 10	17 53	1 9	15 45	1 13	4 39	2 21	4 39	0 42	18 3	0 7	15 59	7 3	11 14	11 37	6 23	14 26	3 31					
S 17	10 40	19 5	3 47	14 20	1 36	4 3	0 6	17 43	1 9	15 48	1 13	4 42	2 21	4 39	0 42	18 4	0 7	16 0	7 2	11 14	11 36	6 24	14 27	3 31					
M18	10 19	19 2	4 28	14 33	1 17	4 34	0 3	17 32	1 10	15 50	1 13	4 44	2 20	4 38	0 42	18 4	0 7	16 0	7 2	11 13	11 35	6 26	14 28	3 31					
T 19	9 58	17 57	4 55	14 44	0 59	5 5	0s1	17 20	1 10	15 53	1 13	4 47	2 20	4 37	0 42	18 4	0 7	16 0	7 2	11 11	11 34	6 28	14 29	3 31					
W20	9 36	15 59	5 6	14 52	0 42	5 35	0 4	17 9	1 10	15 55	1 13	4 49	2 20	4 37	0 42	18 5	0 7	16 1	7 1	11 8	11 32	6 30	14 30	3 31					
T 21	9 15	13 17	5 2	14 56	0 25	6 6	0 8	16 58	1 10	15 57	1 13	4 51	2 20	4 36	0 42	18 5	0 7	16 1	7 1	11 5	11 31	6 32	14 31	3 31					
F 22	8 53	10 1	4 43	14 57	0 9	6 37	0 12	16 46	1 10	16 0	1 13	4 54	2 20	4 35	0 42	18 6	0 7	16 1	7 1	11 1	11 30	6 34	14 32	3 30					
S 23	8 32	6 23	4 12	14 54	0n7	7 7	0 15	16 35	1 11	16 2	1 13	4 56	2 20	4 35	0 42	18 6	0 7	16 2	7 0	10 58	11 29	6 35	14 33	3 30					
S 24	8 10	2 31	3 30	14 48	0 21	7 38	0 19	16 23	1 11	16 4	1 13	4 59	2 20	4 34	0 42	18 6	0 7	16 2	7 0	10 55	11 28	6 37	14 35	3 30					
M25	7 48	1s23	2 38	14 38	0 34	8 8	0 23	16 12	1 11	16 6	1 13	5 1	2 19	4 33	0 42	18 7	0 7	16 2	7 0	10 53	11 27	6 39	14 36	3 30					
T 26	7 26	5 13	1 40	14 25	0 47	8 38	0 26	16 0	1 11	16 9	1 13	5 4	2 19	4 32	0 42	18 7	0 7	16 3	7 0	10 51	11 26	6 41	14 37	3 30					
W27	7 3	8 50	0 38	14 9	0 58	9 8	0 30	15 48	1 11	16 11	1 13	5 6	2 19	4 31	0 42	18 7	0 7	16 3	6 59	10 51	11 25	6 43	14 38	3 30					
T 28	6 41	12 5	0n25	13 49	1 8	9 37	0 34	15 36	1 12	16 13	1 13	5 9	2 19	4 31	0 42	18 8	0 7	16 3	6 59	10 51	11 24	6 44	14 40	3 30					
F 29	6 18	14 52	1 28	13 26	1 17	10 7	0 38	15 24	1 12	16 15	1 13	5 11	2 19	4 30	0 42	18 8	0 7	16 4	6 59	10 51	11 22	6 46	14 41	3 30					
S 30	5 56	17 2	2 28	13 0	1 24	10 36	0 42	15 11	1 12	16 17	1 13	5 14	2 19	4 29	0 42	18 8	0 7	16 4	6 58	10 51	11 21	6 48	14 42	3 30					
S 31	5n33	18s29	3n23	12n32	1n31	11s 5	0s46	14n59	1n12	16s19	1s13	5s16	2n19	4n28	0s42	18s 9	0s 7	16s 4	6n58	10s52	11s20	6s50	14s43	3n30					

ASTRODIENST EPHEMERIS for the year 1511

geocentric

SEPTEMBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	23 15 9	16 ¹⁷ 56'03	21 ¹⁷ 12	2 ¹⁷ 48	28 ¹⁷ 1	23 ¹⁷ 44	18 ¹⁷ 57	18 ¹⁷ 59	12 ¹⁷ 53	9 ¹⁷ 5	18 ¹⁷ 38	28 ¹⁷ R13	29 ¹⁷ 29	14 ¹⁷ 11	21 ¹⁷ M14	M 1
T 2	23 19 6	17 ¹⁷ 54'38	4 ¹⁷ 3	4 ¹⁷ 32	29 ¹⁷ 10	24 ¹⁷ 22	18 ¹⁷ 51	19 ¹⁷ 5	12 ¹⁷ Y51	9 ¹⁷ 4	18 ¹⁷ 39	28 ¹⁷ 11	29 ¹⁷ 26	14 ¹⁷ 18	21 ¹⁷ 19	T 2
W 3	23 23 2	18 ¹⁷ 53'14	17 ¹⁷ 18	6 ¹⁷ 18	0 ¹⁷ 20	25 ¹⁷ 0	18 ¹⁷ 45	19 ¹⁷ 12	12 ¹⁷ 49	9 ¹⁷ 3	18 ¹⁷ 39	28 ¹⁷ 8	29 ¹⁷ 22	14 ¹⁷ 24	21 ¹⁷ 24	W 3
T 4	23 26 59	19 ¹⁷ 51'51	1 ¹⁷ 3	8 ¹⁷ 5	1 ¹⁷ 29	25 ¹⁷ 38	18 ¹⁷ 40	19 ¹⁷ 18	12 ¹⁷ 46	9 ¹⁷ 1	18 ¹⁷ 39	28 ¹⁷ 4	29 ¹⁷ 19	14 ¹⁷ 31	21 ¹⁷ 29	T 4
F 5	23 30 55	20 ¹⁷ 50'31	15 ¹⁷ 16	9 ¹⁷ 54	2 ¹⁷ 39	26 ¹⁷ 16	18 ¹⁷ 34	19 ¹⁷ 25	12 ¹⁷ 44	9 ¹⁷ 0	18 ¹⁷ 40	27 ¹⁷ 59	29 ¹⁷ 16	14 ¹⁷ 38	21 ¹⁷ 34	F 5
S 6	23 34 52	21 ¹⁷ 49'12	29 ¹⁷ 54	11 ¹⁷ 44	3 ¹⁷ 48	26 ¹⁷ 54	18 ¹⁷ 29	19 ¹⁷ 32	12 ¹⁷ 42	8 ¹⁷ 59	18 ¹⁷ 40	27 ¹⁷ 53	29 ¹⁷ 13	14 ¹⁷ 44	21 ¹⁷ 39	S 6
S 7	23 38 48	22 ¹⁷ 47'55	14 ¹⁷ 51	13 ¹⁷ 34	4 ¹⁷ 58	27 ¹⁷ 31	18 ¹⁷ 23	19 ¹⁷ 38	12 ¹⁷ 40	8 ¹⁷ 58	18 ¹⁷ 41	27 ¹⁷ 48	29 ¹⁷ 10	14 ¹⁷ 51	21 ¹⁷ 44	S 7
M 8	23 42 45	23 ¹⁷ 46'40	29 ¹⁷ 59	15 ¹⁷ 24	6 ¹⁷ 7	28 ¹⁷ 9	18 ¹⁷ 18	19 ¹⁷ 45	12 ¹⁷ 37	8 ¹⁷ 57	18 ¹⁷ 41	27 ¹⁷ 44	29 ¹⁷ 7	14 ¹⁷ 58	21 ¹⁷ 50	M 8
T 9	23 46 42	24 ¹⁷ 45'26	15 ¹⁷ Y9	17 ¹⁷ 15	7 ¹⁷ 16	28 ¹⁷ 47	18 ¹⁷ 13	19 ¹⁷ 52	12 ¹⁷ 35	8 ¹⁷ 56	18 ¹⁷ 42	27 ¹⁷ 42	29 ¹⁷ 3	15 ¹⁷ 4	21 ¹⁷ 55	T 9
W10	23 50 38	25 ¹⁷ 44'16	0 ¹⁷ 10	19 ¹⁷ 5	8 ¹⁷ 25	29 ¹⁷ 25	18 ¹⁷ 9	19 ¹⁷ 59	12 ¹⁷ 33	8 ¹⁷ 55	18 ¹⁷ 43	27 ¹⁷ D42	29 ¹⁷ 0	15 ¹⁷ 11	22 ¹⁷ 0	W10
T 11	23 54 35	26 ¹⁷ 43'07	14 ¹⁷ 55	20 ¹⁷ 56	9 ¹⁷ 34	0 ¹⁷ 3	18 ¹⁷ 4	20 ¹⁷ 6	12 ¹⁷ 31	8 ¹⁷ 54	18 ¹⁷ 43	27 ¹⁷ 42	28 ¹⁷ 57	15 ¹⁷ 18	22 ¹⁷ 6	T 11
F 12	23 58 31	27 ¹⁷ 42'01	29 ¹⁷ 19	22 ¹⁷ 45	10 ¹⁷ 42	0 ¹⁷ 40	18 ¹⁷ 0	20 ¹⁷ 12	12 ¹⁷ 28	8 ¹⁷ 53	18 ¹⁷ 44	27 ¹⁷ 44	28 ¹⁷ 54	15 ¹⁷ 24	22 ¹⁷ 11	F 12
S 13	0 2 28	28 ¹⁷ 40'57	13 ¹⁷ II20	24 ¹⁷ 35	11 ¹⁷ 51	1 ¹⁷ 18	17 ¹⁷ 55	20 ¹⁷ 19	12 ¹⁷ 26	8 ¹⁷ 52	18 ¹⁷ 45	27 ¹⁷ 45	28 ¹⁷ 51	15 ¹⁷ 31	22 ¹⁷ 17	S 13
S 14	0 6 24	29 ¹⁷ 39'55	26 ¹⁷ 57	26 ¹⁷ 23	13 ¹⁷ 0	1 ¹⁷ 56	17 ¹⁷ 51	20 ¹⁷ 26	12 ¹⁷ 24	8 ¹⁷ 51	18 ¹⁷ 45	27 ¹⁷ R46	28 ¹⁷ 47	15 ¹⁷ 38	22 ¹⁷ 23	S 14
M15	0 10 21	0 ¹⁷ 38'56	10 ¹⁷ 12	28 ¹⁷ 11	14 ¹⁷ 8	2 ¹⁷ 33	17 ¹⁷ 47	20 ¹⁷ 33	12 ¹⁷ 21	8 ¹⁷ 50	18 ¹⁷ 46	27 ¹⁷ 46	28 ¹⁷ 44	15 ¹⁷ 44	22 ¹⁷ 28	M15
T 16	0 14 17	1 ¹⁷ 37'59	23 ¹⁷ 8	29 ¹⁷ 59	15 ¹⁷ 17	3 ¹⁷ 11	17 ¹⁷ 44	20 ¹⁷ 40	12 ¹⁷ 19	8 ¹⁷ 50	18 ¹⁷ 47	27 ¹⁷ 44	28 ¹⁷ 41	15 ¹⁷ 51	22 ¹⁷ 34	T 16
W17	0 18 14	2 ¹⁷ 37'04	5 ¹⁷ 16	1 ¹⁷ 45	16 ¹⁷ 25	3 ¹⁷ 49	17 ¹⁷ 40	20 ¹⁷ 47	12 ¹⁷ 16	8 ¹⁷ 49	18 ¹⁷ 48	27 ¹⁷ 41	28 ¹⁷ 38	15 ¹⁷ 58	22 ¹⁷ 40	W17
T 18	0 22 11	3 ¹⁷ 36'12	18 ¹⁷ 9	3 ¹⁷ 31	17 ¹⁷ 33	4 ¹⁷ 27	17 ¹⁷ 37	20 ¹⁷ 54	12 ¹⁷ 14	8 ¹⁷ 48	18 ¹⁷ 48	27 ¹⁷ 38	28 ¹⁷ 35	16 ¹⁷ 4	22 ¹⁷ 46	T 18
F 19	0 26 7	4 ¹⁷ 35'22	0 ¹⁷ 21	5 ¹⁷ 16	18 ¹⁷ 41	5 ¹⁷ 4	17 ¹⁷ 34	21 ¹⁷ 1	12 ¹⁷ 12	8 ¹⁷ 47	18 ¹⁷ 49	27 ¹⁷ 34	28 ¹⁷ 32	16 ¹⁷ 11	22 ¹⁷ 52	F 19
S 20	0 30 4	5 ¹⁷ 34'33	12 ¹⁷ 24	7 ¹⁷ 1	19 ¹⁷ 49	5 ¹⁷ 42	17 ¹⁷ 31	21 ¹⁷ 8	12 ¹⁷ 9	8 ¹⁷ 47	18 ¹⁷ 50	27 ¹⁷ 30	28 ¹⁷ 28	16 ¹⁷ 17	22 ¹⁷ 58	S 20
S 21	0 34 0	6 ¹⁷ 33'48	24 ¹⁷ 20	8 ¹⁷ 44	20 ¹⁷ 57	6 ¹⁷ 19	17 ¹⁷ 28	21 ¹⁷ 15	12 ¹⁷ 7	8 ¹⁷ 46	18 ¹⁷ 51	27 ¹⁷ 27	28 ¹⁷ 25	16 ¹⁷ 24	23 ¹⁷ 4	S 21
M22	0 37 57	7 ¹⁷ 33'04	6 ¹⁷ 11	10 ¹⁷ 27	22 ¹⁷ 5	6 ¹⁷ 57	17 ¹⁷ 25	21 ¹⁷ 22	12 ¹⁷ 4	8 ¹⁷ 45	18 ¹⁷ 52	27 ¹⁷ 25	28 ¹⁷ 22	16 ¹⁷ 31	23 ¹⁷ 10	M22
T 23	0 41 53	8 ¹⁷ 32'22	17 ¹⁷ 58	12 ¹⁷ 9	23 ¹⁷ 12	7 ¹⁷ 35	17 ¹⁷ 23	21 ¹⁷ 30	12 ¹⁷ 2	8 ¹⁷ 45	18 ¹⁷ 53	27 ¹⁷ 23	28 ¹⁷ 19	16 ¹⁷ 37	23 ¹⁷ 17	T 23
W24	0 45 50	9 ¹⁷ 31'43	29 ¹⁷ 45	13 ¹⁷ 50	24 ¹⁷ 20	8 ¹⁷ 12	17 ¹⁷ 21	21 ¹⁷ 37	11 ¹⁷ 59	8 ¹⁷ 44	18 ¹⁷ 54	27 ¹⁷ D23	28 ¹⁷ 16	16 ¹⁷ 44	23 ¹⁷ 23	W24
T 25	0 49 46	10 ¹⁷ 31'05	11 ¹⁷ 16	15 ¹⁷ 30	25 ¹⁷ 27	8 ¹⁷ 50	17 ¹⁷ 19	21 ¹⁷ 44	11 ¹⁷ 57	8 ¹⁷ 43	18 ¹⁷ 55	27 ¹⁷ 24	28 ¹⁷ 13	16 ¹⁷ 51	23 ¹⁷ 29	T 25
F 26	0 53 43	11 ¹⁷ 30'29	23 ¹⁷ 26	17 ¹⁷ 10	26 ¹⁷ 34	9 ¹⁷ 27	17 ¹⁷ 17	21 ¹⁷ 51	11 ¹⁷ 55	8 ¹⁷ 43	18 ¹⁷ 56	27 ¹⁷ 25	28 ¹⁷ 9	16 ¹⁷ 57	23 ¹⁷ 35	F 26
S 27	0 57 39	12 ¹⁷ 29'56	5 ¹⁷ 26	18 ¹⁷ 49	27 ¹⁷ 41	10 ¹⁷ 5	17 ¹⁷ 15	21 ¹⁷ 58	11 ¹⁷ 52	8 ¹⁷ 42	18 ¹⁷ 57	27 ¹⁷ 26	28 ¹⁷ 6	17 ¹⁷ 4	23 ¹⁷ 42	S 27
S 28	1 1 36	13 ¹⁷ 29'24	17 ¹⁷ 38	20 ¹⁷ 27	28 ¹⁷ 48	10 ¹⁷ 42	17 ¹⁷ 14	22 ¹⁷ 5	11 ¹⁷ 50	8 ¹⁷ 42	18 ¹⁷ 59	27 ¹⁷ 27	28 ¹⁷ 3	17 ¹⁷ 11	23 ¹⁷ 48	S 28
M29	1 5 33	14 ¹⁷ 28'54	0 ¹⁷ 3	22 ¹⁷ 5	29 ¹⁷ 55	11 ¹⁷ 20	17 ¹⁷ 13	22 ¹⁷ 13	11 ¹⁷ 47	8 ¹⁷ 41	19 ¹⁷ 0	27 ¹⁷ 28	28 ¹⁷ 0	17 ¹⁷ 17	23 ¹⁷ 55	M29
T 30	1 9 29	15 ¹⁷ 28'26	12 ¹⁷ 3	23 ¹⁷ 42	1 ¹⁷ 1	11 ¹⁷ 17	17 ¹⁷ 12	22 ¹⁷ 13	11 ¹⁷ 47	8 ¹⁷ 41	19 ¹⁷ 1	27 ¹⁷ R29	27 ¹⁷ 25	17 ¹⁷ 24	24 ¹⁷ 1	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1511

geocentric

OCTOBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 13 26	16 ²² 2759	26 ³ 1	25 ²¹ 18	2 ²⁷ 7	12 ¹⁷ 35	17 ¹⁰ R11	22 ²² 27	11 ¹⁰ R42	8 ¹⁰ R41	19 ¹⁷ 2	27 ¹⁰ R29	27 ²² 53	17 ²² 31	24 ²⁴ 11	W 1
T 2	1 17 22	17 ²⁰ 2734	9 ²² 36	26 ²⁰ 53	3 ¹⁰ 14	13 ¹⁰ 12	17 ¹⁰ 10	22 ²⁰ 34	11 ¹⁰ Y40	8 ¹⁰ 40	19 ¹⁰ 3	27 ²⁰ 28	27 ²⁰ 50	17 ²⁰ 37	24 ²⁰ 15	T 2
F 3	1 21 19	18 ²⁰ 2711	23 ²⁰ 38	28 ²⁰ 28	4 ¹⁰ 20	13 ¹⁰ 50	17 ¹⁰ 10	22 ²⁰ 42	11 ¹⁰ 38	8 ¹⁰ 40	19 ¹⁰ 5	27 ²⁰ 27	27 ²⁰ 47	17 ²⁰ 44	24 ²⁰ 21	F 3
S 4	1 25 15	19 ²⁰ 2650	8 ¹⁰ 6	0 ¹⁰ 3	5 ¹⁰ 25	14 ²⁰ 27	17 ¹⁰ D10	22 ²⁰ 49	11 ¹⁰ 35	8 ¹⁰ 40	19 ¹⁰ 6	27 ²⁰ 26	27 ²⁰ 44	17 ²⁰ 51	24 ²⁰ 28	S 4
S 5	1 29 12	20 ²⁰ 2630	22 ²⁰ 57	1 ¹⁰ 36	6 ¹⁰ 31	15 ¹⁰ 5	17 ¹⁰ 10	22 ²⁰ 56	11 ¹⁰ 33	8 ¹⁰ 39	19 ¹⁰ 7	27 ²⁰ 25	27 ²⁰ 41	17 ²⁰ 57	24 ²⁰ 35	S 5
M 6	1 33 8	21 ²⁰ 2612	8 ¹⁰ Y4	3 ¹⁰ 9	7 ¹⁰ 37	15 ¹⁰ 42	17 ¹⁰ 10	23 ²⁰ 3	11 ¹⁰ 30	8 ¹⁰ 39	19 ¹⁰ 9	27 ²⁰ 25	27 ²⁰ 38	18 ¹⁰ 4	24 ²⁰ 42	M 6
T 7	1 37 5	22 ²⁰ 2557	23 ²⁰ 18	4 ¹⁰ 42	8 ¹⁰ 42	16 ²⁰ 20	17 ¹⁰ 10	23 ²⁰ 10	11 ¹⁰ 28	8 ¹⁰ 39	19 ¹⁰ 10	27 ²⁰ D24	27 ²⁰ 34	18 ¹⁰ 10	24 ²⁰ 49	T 7
W 8	1 41 2	23 ²⁰ 2543	8 ¹⁰ 29	6 ¹⁰ 14	9 ¹⁰ 47	16 ²⁰ 57	17 ¹⁰ 11	23 ²⁰ 18	11 ¹⁰ 26	8 ¹⁰ 39	19 ¹⁰ 12	27 ²⁰ 24	27 ²⁰ 31	18 ¹⁰ 17	24 ²⁰ 56	W 8
T 9	1 44 58	24 ²⁰ 2531	23 ²⁰ 28	7 ¹⁰ 45	10 ¹⁰ 52	17 ²⁰ 34	17 ¹⁰ 12	23 ²⁰ 25	11 ¹⁰ 23	8 ¹⁰ 39	19 ¹⁰ 13	27 ²⁰ 25	27 ²⁰ 28	18 ¹⁰ 24	25 ¹⁰ 3	T 9
F 10	1 48 55	25 ²⁰ 2522	8 ¹⁰ II 8	9 ¹⁰ 16	11 ¹⁰ 56	18 ¹⁰ 12	17 ¹⁰ 13	23 ²⁰ 32	11 ¹⁰ 21	8 ¹⁰ 39	19 ¹⁰ 15	27 ²⁰ 25	27 ²⁰ 25	18 ¹⁰ 30	25 ¹⁰ 10	F 10
S 11	1 52 51	26 ²⁰ 2515	22 ²⁰ 23	10 ¹⁰ 46	13 ¹⁰ 0	18 ¹⁰ 49	17 ¹⁰ 14	23 ²⁰ 39	11 ¹⁰ 19	8 ¹⁰ 39	19 ¹⁰ 16	27 ²⁰ 25	27 ²⁰ 22	18 ¹⁰ 37	25 ¹⁰ 17	S 11
S 12	1 56 48	27 ²⁰ 2510	6 ¹⁰ 11	12 ¹⁰ 16	14 ¹⁰ 5	19 ²⁰ 26	17 ¹⁰ 15	23 ²⁰ 47	11 ¹⁰ 16	8 ¹⁰ D39	19 ¹⁰ 18	27 ²⁰ R25	27 ²⁰ 18	18 ¹⁰ 44	25 ²⁰ 24	S 12
M13	2 0 44	28 ²⁰ 2507	19 ²⁰ 32	13 ¹⁰ 45	15 ¹⁰ 8	20 ¹⁰ 4	17 ¹⁰ 17	23 ²⁰ 54	11 ¹⁰ 14	8 ¹⁰ 39	19 ¹⁰ 19	27 ²⁰ 25	27 ²⁰ 15	18 ¹⁰ 50	25 ²⁰ 31	M13
T 14	2 4 41	29 ²⁰ 2506	2 ¹⁰ 29	15 ¹⁰ 14	16 ¹⁰ 12	20 ¹⁰ 41	17 ¹⁰ 19	24 ¹⁰ 1	11 ¹⁰ 12	8 ¹⁰ 39	19 ¹⁰ 21	27 ²⁰ D25	27 ²⁰ 12	18 ¹⁰ 57	25 ²⁰ 38	T 14
W15	2 8 37	0 ¹⁰ 2508	15 ¹⁰ 4	16 ¹⁰ 42	17 ¹⁰ 15	21 ¹⁰ 18	17 ¹⁰ 21	24 ¹⁰ 8	11 ¹⁰ 9	8 ¹⁰ 39	19 ¹⁰ 22	27 ²⁰ 25	27 ²⁰ 9	19 ¹⁰ 4	25 ²⁰ 45	W15
T 16	2 12 34	1 ¹⁰ 2511	27 ²⁰ 22	18 ¹⁰ 9	18 ¹⁰ 18	21 ¹⁰ 55	17 ¹⁰ 23	24 ¹⁰ 16	11 ¹⁰ 7	8 ¹⁰ 39	19 ¹⁰ 24	27 ²⁰ 26	27 ²⁰ 6	19 ¹⁰ 10	25 ²⁰ 52	T 16
F 17	2 16 31	2 ¹⁰ 2517	9 ¹⁰ 26	19 ¹⁰ 36	19 ¹⁰ 21	22 ²⁰ 33	17 ¹⁰ 26	24 ¹⁰ 23	11 ¹⁰ 5	8 ¹⁰ 39	19 ¹⁰ 25	27 ²⁰ 26	27 ²⁰ 3	19 ¹⁰ 17	25 ²⁰ 59	F 17
S 18	2 20 27	3 ¹⁰ 2525	21 ¹⁰ 21	21 ¹⁰ 3	20 ¹⁰ 24	23 ¹⁰ 10	17 ¹⁰ 28	24 ¹⁰ 30	11 ¹⁰ 3	8 ¹⁰ 39	19 ¹⁰ 27	27 ²⁰ 27	26 ¹⁰ 59	19 ¹⁰ 24	26 ¹⁰ 7	S 18
S 19	2 24 24	4 ¹⁰ 2535	3 ¹⁰ 11	22 ²⁰ 28	21 ¹⁰ 26	23 ¹⁰ 47	17 ¹⁰ 31	24 ¹⁰ 37	11 ¹⁰ 0	8 ¹⁰ 39	19 ¹⁰ 29	27 ²⁰ 27	26 ¹⁰ 56	19 ¹⁰ 30	26 ¹⁰ 14	S 19
M20	2 28 20	5 ¹⁰ 2547	14 ¹⁰ 58	23 ¹⁰ 53	22 ²⁰ 28	24 ¹⁰ 24	17 ¹⁰ 34	24 ¹⁰ 44	10 ¹⁰ 58	8 ¹⁰ 40	19 ¹⁰ 31	27 ²⁰ 28	26 ¹⁰ 53	19 ¹⁰ 37	26 ¹⁰ 21	M20
T 21	2 32 17	6 ¹⁰ 2600	26 ¹⁰ 45	25 ¹⁰ 17	23 ¹⁰ 30	25 ¹⁰ 2	17 ¹⁰ 37	24 ¹⁰ 52	10 ¹⁰ 56	8 ¹⁰ 40	19 ¹⁰ 32	27 ²⁰ R28	26 ¹⁰ 50	19 ¹⁰ 43	26 ¹⁰ 29	T 21
W22	2 36 13	7 ¹⁰ 2616	8 ¹⁰ 35	26 ¹⁰ 41	24 ¹⁰ 31	25 ¹⁰ 39	17 ¹⁰ 41	24 ¹⁰ 59	10 ¹⁰ 54	8 ¹⁰ 40	19 ¹⁰ 34	27 ²⁰ 28	26 ¹⁰ 47	19 ¹⁰ 50	26 ¹⁰ 36	W22
T 23	2 40 10	8 ¹⁰ 2634	20 ¹⁰ 30	28 ¹⁰ 3	25 ¹⁰ 32	26 ¹⁰ 16	17 ¹⁰ 44	25 ¹⁰ 6	10 ¹⁰ 52	8 ¹⁰ 41	19 ¹⁰ 36	27 ²⁰ 27	26 ¹⁰ 44	19 ¹⁰ 57	26 ¹⁰ 43	T 23
F 24	2 44 6	9 ¹⁰ 2653	2 ¹⁰ 32	29 ¹⁰ 25	26 ¹⁰ 32	26 ¹⁰ 53	17 ¹⁰ 48	25 ¹⁰ 13	10 ¹⁰ 50	8 ¹⁰ 41	19 ¹⁰ 38	27 ²⁰ 26	26 ¹⁰ 40	20 ¹⁰ 3	26 ¹⁰ 51	F 24
S 25	2 48 3	10 ¹⁰ 2714	14 ¹⁰ 42	0 ¹⁰ 46	27 ¹⁰ 32	27 ¹⁰ 30	17 ¹⁰ 52	25 ¹⁰ 20	10 ¹⁰ 48	8 ¹⁰ 41	19 ¹⁰ 39	27 ²⁰ 24	26 ¹⁰ 37	20 ¹⁰ 10	26 ¹⁰ 58	S 25
S 26	2 52 0	11 ¹⁰ 2736	27 ¹⁰ 3	2 ¹⁰ 5	28 ¹⁰ 32	28 ¹⁰ 7	17 ¹⁰ 56	25 ¹⁰ 27	10 ¹⁰ 46	8 ¹⁰ 42	19 ¹⁰ 41	27 ²⁰ 22	26 ¹⁰ 34	20 ¹⁰ 17	27 ¹⁰ 6	S 26
M27	2 55 56	12 ¹⁰ 2800	9 ¹⁰ 37	3 ¹⁰ 23	29 ¹⁰ 32	28 ¹⁰ 44	18 ¹⁰ 0	25 ¹⁰ 34	10 ¹⁰ 44	8 ¹⁰ 42	19 ¹⁰ 43	27 ²⁰ 20	26 ¹⁰ 31	20 ¹⁰ 23	27 ¹⁰ 13	M27
T 28	2 59 53	13 ¹⁰ 2825	22 ²⁰ 27	4 ¹⁰ 40	0 ¹⁰ 31	29 ¹⁰ 21	18 ¹⁰ 5	25 ¹⁰ 41	10 ¹⁰ 42	8 ¹⁰ 43	19 ¹⁰ 45	27 ²⁰ 18	26 ¹⁰ 28	20 ¹⁰ 30	27 ¹⁰ 21	T 28
W29	3 3 49	14 ¹⁰ 2852	5 ¹⁰ 34	5 ¹⁰ 55	1 ¹⁰ 29	29 ¹⁰ 58	18 ¹⁰ 10	25 ¹⁰ 48	10 ¹⁰ 40	8 ¹⁰ 44	19 ¹⁰ 47	27 ²⁰ 17	26 ¹⁰ 24	20 ¹⁰ 37	27 ¹⁰ 28	W29
T 30	3 7 46	15 ¹⁰ 2920	19 ¹⁰ 1	7 ¹⁰ 9	2 ¹⁰ 27	0 ¹⁰ 35	18 ¹⁰ 15	25 ¹⁰ 55	10 ¹⁰ 38	8 ¹⁰ 44	19 ¹⁰ 49	27 ²⁰ D17	26 ¹⁰ 21	20 ¹⁰ 43	27 ¹⁰ 36	T 30
F 31	3 11 42	16 ¹⁰ 2950	2 ¹⁰ 50	8 ¹⁰ 20	3 ¹⁰ 25	1 ¹⁰ 12	18 ¹⁰ 20	26 ¹⁰ 2	10 ¹⁰ Y36	8 ¹⁰ 45	19 ¹⁰ 51	27 ²⁰ 17	26 ¹⁰ 18	20 ¹⁰ 50	27 ¹⁰ 43	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1511

geocentric

NOVEMBER 1511 JC

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S 1	3 15 39	17 ¹¹ 30'20	17 ¹¹ 1	9 ¹¹ 30	4 ¹¹ 22	1 ¹¹ 49	18 ¹¹ 25	26 ¹¹ 9	10 ¹¹ R35	8 ¹¹ 45	19 ¹¹ 53	27 ¹¹ 19	26 ¹¹ 15	20 ¹¹ 57	27 ¹¹ M51	S 1
S 2	3 19 35	18°30'52	1 ¹¹ 32	10°36	5°19	2°26	18°30	26°16	10 ¹¹ Y33	8°46	19°54	27°20	26°12	21° 3	27°58	S 2
M 3	3 23 32	19°31'25	16°21	11°40	6°15	3° 3	18°36	26°23	10°31	8°47	19°56	27°21	26° 9	21°10	28° 6	M 3
T 4	3 27 29	20°32'00	1 ¹¹ 21	12°41	7°10	3°40	18°42	26°30	10°29	8°48	19°58	27°R21	26° 5	21°17	28°13	T 4
W 5	3 31 25	21°32'36	16°25	13°38	8° 5	4°17	18°48	26°37	10°28	8°48	20° 0	27°20	26° 2	21°23	28°21	W 5
T 6	3 35 22	22°33'13	1 ¹¹ 24	14°31	8°59	4°54	18°54	26°43	10°26	8°49	20° 2	27°18	25°59	21°30	28°28	T 6
F 7	3 39 18	23°33'52	16° 9	15°19	9°53	5°31	19° 0	26°50	10°24	8°50	20° 4	27°15	25°56	21°36	28°36	F 7
S 8	3 43 15	24°34'32	0 ¹¹ 32	16° 1	10°46	6° 8	19° 7	26°57	10°23	8°51	20° 7	27°11	25°53	21°43	28°44	S 8
S 9	3 47 11	25°35'15	14°30	16°38	11°39	6°44	19°13	27° 3	10°21	8°52	20° 9	27° 7	25°50	21°50	28°51	S 9
M10	3 51 8	26°35'58	28° 0	17° 8	12°30	7°21	19°20	27°10	10°20	8°53	20°11	27° 3	25°46	21°56	28°59	M10
T 11	3 55 4	27°36'43	11 ¹¹ 3	17°30	13°21	7°58	19°27	27°17	10°18	8°54	20°13	27° 0	25°43	22° 3	29° 6	T 11
W12	3 59 1	28°37'30	23°42	17°44	14°11	8°35	19°34	27°23	10°17	8°55	20°15	26°D59	25°40	22°10	29°14	W12
T 13	4 2 58	29°38'18	6 ¹¹ 0	17°R49	15° 1	9°12	19°41	27°30	10°16	8°56	20°17	26°59	25°37	22°16	29°22	T 13
F 14	4 6 54	0 ¹¹ 39'08	18° 3	17°44	15°50	9°48	19°49	27°36	10°14	8°57	20°19	27° 0	25°34	22°23	29°29	F 14
S 15	4 10 51	1°39'59	29°56	17°29	16°37	10°25	19°56	27°43	10°13	8°58	20°21	27° 2	25°30	22°30	29°37	S 15
S 16	4 14 47	2°40'52	11 ¹¹ 43	17° 2	17°24	11° 2	20° 4	27°49	10°12	8°59	20°23	27° 4	25°27	22°36	29°44	S 16
M17	4 18 44	3°41'45	23°30	16°24	18°10	11°38	20°12	27°56	10°11	9° 0	20°25	27°R 5	25°24	22°43	29°52	M17
T 18	4 22 40	4°42'41	5 ¹¹ M19	15°36	18°55	12°15	20°20	28° 2	10°10	9° 2	20°28	27° 4	25°21	22°50	29°59	T 18
W19	4 26 37	5°43'37	17°15	14°37	19°39	12°51	20°28	28° 8	10° 8	9° 3	20°30	27° 2	25°18	22°56	0 ¹¹ 7	W19
T 20	4 30 33	6°44'35	29°19	13°29	20°22	13°28	20°36	28°14	10° 7	9° 4	20°32	26°58	25°15	23° 3	0°15	T 20
F 21	4 34 30	7°45'33	11 ¹¹ 24	12°14	21° 4	14° 5	20°45	28°20	10° 6	9° 5	20°34	26°52	25°11	23° 9	0°22	F 21
S 22	4 38 27	8°46'33	24° 0	10°53	21°45	14°41	20°54	28°27	10° 5	9° 7	20°36	26°45	25° 8	23°16	0°30	S 22
S 23	4 42 23	9°47'33	6 ¹¹ 39	9°31	22°24	15°18	21° 2	28°33	10° 5	9° 8	20°38	26°36	25° 5	23°23	0°37	S 23
M24	4 46 20	10°48'35	19°30	8° 8	23° 3	15°54	21°11	28°39	10° 4	9° 9	20°41	26°28	25° 2	23°29	0°45	M24
T 25	4 50 16	11°49'37	2 ¹¹ 33	6°49	23°40	16°30	21°20	28°45	10° 3	9°11	20°43	26°21	24°59	23°36	0°52	T 25
W26	4 54 13	12°50'39	15°49	5°35	24°15	17° 7	21°29	28°51	10° 2	9°12	20°45	26°16	24°55	23°43	1° 0	W26
T 27	4 58 9	13°51'42	29°19	4°29	24°50	17°43	21°39	28°56	10° 1	9°14	20°47	26°13	24°52	23°49	1° 7	T 27
F 28	5 2 6	14°52'46	13 ¹¹ 2	3°33	25°23	18°19	21°48	29° 2	10° 1	9°15	20°49	26°D12	24°49	23°56	1°15	F 28
S 29	5 6 2	15°53'50	26°59	2°47	25°54	18°56	21°58	29° 8	10° 0	9°17	20°52	26°12	24°46	24° 3	1°22	S 29
S 30	5 9 59	16 ¹¹ 54'54	11 ¹¹ Y11	2 ¹¹ 12	26 ¹¹ 24	19 ¹¹ 32	22°22	29°14	10 ¹¹ Y 0	9 ¹¹ 18	20 ¹¹ 54	26°13	24°43	24° 9	1 ¹¹ 29	S 30

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S 1	17s 6	2s 0	3n25	24s31	2s37	27s 1	3s35	0n29	1n19	16s24	1s 6	7s59	2n17	3n34	0s41	S 1
S 2	17 23	2n43	2 18	24 41	2 37	26 58	3 35	0 14	1 19	16 22	1 6	8 2	2 17	3 33	0 41	S 2
M 3	17 39	7 23	1 0	24 49	2 36	26 55	3 34	0s 1	1 19	16 20	1 6	8 4	2 17	3 32	0 41	M 3
T 4	17 56	11 38	0s22	24 55	2 34	26 51	3 33	0 16	1 19	16 18	1 6	8 7	2 18	3 32	0 41	T 4
W 5	18 12	15 8	1 43	25 0	2 31	26 47	3 32	0 30	1 19	16 16	1 6	8 9	2 18	3 31	0 41	W 5
T 6	18 27	17 36	2 57	25 3	2 28	26 42	3 30	0 45	1 19	16 14	1 6	8 11	2 18	3 31	0 41	T 6
F 7	18 43	18 51	3 57	25 4	2 24	26 36	3 29	0 59	1 19	16 12	1 5	8 14	2 18	3 30	0 41	F 7
S 8	18 58	18 49	4 41	25 3	2 18	26 30	3 27	1 14	1 19	16 10	1 5	8 16	2 18	3 29	0 41	S 8
S 9	19 12	17 38	5 6	25 0	2 11	26 24	3 25	1 29	1 19	16 8	1 5	8 18	2 18	3 29	0 41	S 9
M10	19 27	15 29	5 14	24 55	2 3	26 17	3 23	1 43	1 19	16 5	1 5	8 21	2 18	3 28	0 41	M10
T 11	19 41	12 37	5 5	24 48	1 54	26 9	3 20	1 58	1 19	16 3	1 5	8 23	2 18	3 28	0 41	T 11
W12	19 54	9 14	4 41	24 39	1 44	26 1	3 18	2 12	1 19	16 1	1 5	8 25	2 18	3 27	0 41	W12
T 13	20 8	5 33	4 4	24 28	1 32	25 53	3 15	2 27	1 19	15 58	1 5	8 27	2 18	3 27	0 41	T 13
F 14	20 20	1 42	3 18	24 14	1 18	25 44	3 12	2 41	1 19	15 56	1 5	8 30	2 19	3 26	0 41	F 14
S 15	20 33	2s10	2 23	23 58	1 3	25 35	3 8	2 56	1 19	15 53	1 4	8 32	2 19	3 26	0 41	S 15
S 16	20 45	5 55	1 23	23 39	0 47	25 25	3 4	3 10	1 19	15 51	1 4	8 34	2 19	3 25	0 41	S 16
M17	20 57	9 27	0 20	23 17	0 29	25 15	3 1	3 24	1 19	15 48	1 4	8 36	2 19	3 25	0 41	M17
T 18	21 8	12 37	0n45	22 53	0 10	25 4	2 56	3 39	1 19	15 46	1 4	8 38	2 19	3 24	0 41	T 18
W19	21 19	15 18	1 48	22 27	0n10	24 53	2 52	3 53	1 19	15 43	1 4	8 40	2 19	3 24	0 41	W19
T 20	21 29	17 21	2 46	21 59	0 30	24 42	2 47	4 7	1 19	15 40	1 4	8 42	2 19	3 24	0 41	T 20
F 21	21 40	18 38	3 38	21 29	0 50	24 31	2 42	4 22	1 19	15 37	1 4	8 44	2 19	3 23	0 41	F 21
S 22	21 49	19 2	4 20	20 59	1 10	24 19	2 36	4 36	1 19	15 34	1 4	8 46	2 20	3 23	0 41	S 22
S 23	21 59	18 30	4 50	20 28	1 29	24 7	2 31	4 50	1 18	15 31	1 3	8 49	2 20	3 23	0 41	S 23
M24	22 7	17 1	5 6	19 57	1 47	23 54	2 25	5 4	1 18	15 28	1 3	8 51	2 20	3 22	0 41	M24
T 25	22 16	14 39	5 7	19 29	2 3	23 41	2 18	5 18	1 18	15 25	1 3	8 52	2 20	3 22	0 41	T 25
W26	22 24	11 30	4 51	19 3	2 17	23 29	2 12	5 32	1 18	15 22	1 3	8 54	2 20	3 22	0 41	W26
T 27	22 31	7 42	4 19	18 39	2 29	23 15	2 5	5 46	1 18	15 19	1 3	8 56	2 20	3 22	0 40	T 27
F 28	22 38	3 25	3 32	18 20	2 38	23 2	1 57	6 0	1 18	15 16	1 3	8 58	2 20	3 21	0 40	F 28
S 29	22 45	1n 7	2 31	18 4	2 45	22 49	1 49	6 14	1 18	15 13	1 3	9 0	2 21	3 21	0 40	S 29
S 30	22s51	5n40	1n20	17s53	2n50	22s35	1s41	6s27	1n18	15s10	1s 3	9s 2	2n21	3n21	0s40	S 30

Julian Day Number = 2273254.5, Delta T = 265.57 sec

Ecliptic obliquity = 23°30'02, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'44, Lahiri = 17°02'45 Julian Calendar 1 Nov. 1511 == Greg. Calendar 11 Nov. 1511

ASTRODIENST EPHEMERIS for the year 1511

geocentric

DECEMBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 13 56	17°55'59	25°36	1°R48	26°52	20°8	22°17	29°19	9°R59	9°20	20°56	26°R14	24°40	24°16	1°37	M 1
T 2	5 17 52	18°57'04	10°11	1°35	27°18	20°44	22°27	29°25	9°Y59	9°21	20°58	26°13	24°36	24°23	1°44	T 2
W 3	5 21 49	19°58'09	24°52	1°D33	27°43	21°21	22°37	29°30	9°58	9°23	21°1	26°10	24°33	24°29	1°51	W 3
T 4	5 25 45	20°59'15	9°32	1°40	28°6	21°57	22°47	29°36	9°58	9°25	21°3	26°4	24°30	24°36	1°59	T 4
F 5	5 29 42	22°0'21	24°5	1°56	28°26	22°33	22°58	29°41	9°58	9°26	21°5	25°56	24°27	24°43	2°6	F 5
S 6	5 33 38	23°1'28	8°22	2°20	28°45	23°9	23°8	29°46	9°57	9°28	21°7	25°47	24°24	24°49	2°13	S 6
S 7	5 37 35	24°2'36	22°19	2°51	29°2	23°45	23°19	29°51	9°57	9°30	21°9	25°37	24°21	24°56	2°20	S 7
M 8	5 41 31	25°3'44	5°12	3°29	29°17	24°21	23°29	29°57	9°57	9°32	21°12	25°27	24°17	25°2	2°28	M 8
T 9	5 45 28	26°4'52	18°59	4°13	29°30	24°57	23°40	0°M 2	9°57	9°33	21°14	25°19	24°14	25°9	2°35	T 9
W10	5 49 25	27°6'01	1°42	5°2	29°40	25°33	23°51	0°7	9°D57	9°35	21°16	25°14	24°11	25°16	2°42	W10
T 11	5 53 21	28°7'10	14°3	5°56	29°48	26°9	24°2	0°12	9°57	9°37	21°18	25°10	24°8	25°22	2°49	T 11
F 12	5 57 18	29°8'20	26°8	6°54	29°54	26°45	24°13	0°16	9°57	9°39	21°20	25°D 9	24°5	25°29	2°56	F 12
S 13	6 1 14	0°3'9	8°2	7°55	29°58	27°20	24°24	0°21	9°57	9°41	21°23	25°9	24°1	25°36	3°3	S 13
S 14	6 5 11	1°10'42	19°49	9°0	29°R59	27°56	24°35	0°26	9°57	9°42	21°25	25°R10	23°58	25°42	3°10	S 14
M15	6 9 7	2°11'53	1°M36	10°7	29°57	28°32	24°47	0°31	9°57	9°44	21°27	25°10	23°55	25°49	3°17	M15
T 16	6 13 4	3°13'04	13°28	11°17	29°54	29°8	24°58	0°35	9°58	9°46	21°29	25°8	23°52	25°56	3°24	T 16
W17	6 17 0	4°14'16	25°29	12°29	29°47	29°43	25°10	0°40	9°58	9°48	21°31	25°4	23°49	26°2	3°31	W17
T 18	6 20 57	5°15'28	7°42	13°43	29°38	0°M19	25°22	0°44	9°58	9°50	21°34	24°57	23°46	26°9	3°38	T 18
F 19	6 24 54	6°16'41	20°11	14°59	29°27	0°54	25°33	0°48	9°59	9°52	21°36	24°47	23°42	26°16	3°44	F 19
S 20	6 28 50	7°17'53	2°35	16°16	29°13	1°30	25°45	0°53	9°59	9°54	21°38	24°35	23°39	26°22	3°51	S 20
S 21	6 32 47	8°19'05	15°55	17°35	28°57	2°5	25°57	0°57	10°0	9°56	21°40	24°22	23°36	26°29	3°58	S 21
M22	6 36 43	9°20'17	29°9	18°55	28°38	2°41	26°9	1°1	10°0	9°58	21°42	24°9	23°33	26°35	4°4	M22
T 23	6 40 40	10°21'29	12°36	20°17	28°17	3°16	26°21	1°5	10°1	10°0	21°44	23°57	23°30	26°42	4°11	T 23
W24	6 44 36	11°22'40	26°12	21°39	27°54	3°51	26°34	1°9	10°2	10°2	21°47	23°48	23°27	26°49	4°18	W24
T 25	6 48 33	12°23'51	9°57	23°2	27°29	4°27	26°46	1°13	10°3	10°4	21°49	23°42	23°23	26°55	4°24	T 25
F 26	6 52 29	13°25'01	23°49	24°26	27°1	5°2	26°58	1°16	10°3	10°6	21°51	23°38	23°20	27°2	4°31	F 26
S 27	6 56 26	14°26'11	7°47	25°51	26°32	5°37	27°11	1°20	10°4	10°8	21°53	23°37	23°17	27°9	4°37	S 27
S 28	7 0 23	15°27'19	21°50	27°17	26°1	6°12	27°23	1°23	10°5	10°10	21°55	23°37	23°14	27°15	4°43	S 28
M29	7 4 19	16°28'28	5°57	28°44	25°28	6°47	27°36	1°27	10°6	10°13	21°57	23°37	23°11	27°22	4°50	M29
T 30	7 8 16	17°29'35	20°9	0°31	24°54	7°22	27°49	1°30	10°7	10°15	21°59	23°35	23°7	27°29	4°56	T 30
W31	7 12 12	18°30'42	4°23	1°39	24°19	7°M57	28°1	1°M34	10°Y 8	10°17	22°1	23°13	23°4	27°35	5°12	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22s57	9n58	0n 3	17s45	2n53	22s21	1s33	6s41	1n18	15s 6	1s 3	9s 4	2n21	3n21	0s40	18s 6
T 2	23 2	13 44	1s14	17 41	2 54	22 8	1 24	6 55	1 18	15 3	1 2	9 6	2 21	3 21	0 40	18 5
W 3	23 7	16 39	2 28	17 42	2 53	21 54	1 15	7 9	1 18	14 59	1 2	9 7	2 21	3 21	0 40	18 5
T 4	23 12	18 28	3 31	17 45	2 51	21 40	1 5	7 22	1 18	14 56	1 2	9 9	2 21	3 20	0 40	18 4
F 5	23 16	19 3	4 20	17 51	2 48	21 26	0 55	7 36	1 18	14 53	1 2	9 11	2 22	3 20	0 40	18 4
S 6	23 19	18 23	4 51	18 0	2 44	21 12	0 45	7 49	1 18	14 49	1 2	9 12	2 22	3 20	0 40	18 4
S 7	23 22	16 38	5 5	18 11	2 39	20 58	0 34	8 3	1 17	14 45	1 2	9 14	2 22	3 20	0 40	18 3
M 8	23 24	14 0	5 0	18 24	2 33	20 44	0 23	8 16	1 17	14 42	1 2	9 16	2 22	3 20	0 40	18 3
T 9	23 27	10 44	4 40	18 39	2 26	20 30	0 11	8 29	1 17	14 38	1 2	9 17	2 22	3 20	0 40	18 2
W10	23 28	7 4	4 6	18 54	2 19	20 16	0n 1	8 42	1 17	14 35	1 2	9 19	2 22	3 20	0 40	18 2
T 11	23 29	3 11	3 21	19 11	2 12	20 2	0 13	8 55	1 17	14 31	1 2	9 20	2 23	3 20	0 40	18 1
F 12	23 30	0s44	2 29	19 28	2 4	19 48	0 26	9 9	1 17	14 27	1 2	9 22	2 23	3 20	0 40	18 1
S 13	23 30	4 35	1 30	19 46	1 56	19 35	0 39	9 22	1 17	14 23	1 1	9 23	2 23	3 20	0 40	18 0
S 14	23 30	8 13	0 29	20 4	1 48	19 21	0 52	9 35	1 17	14 19	1 1	9 25	2 23	3 21	0 40	18 0
M15	23 29	11 32	0n34	20 22	1 40	19 8	1 6	9 47	1 16	14 15	1 1	9 26	2 23	3 21	0 40	17 59
T 16	23 28	14 24	1 36	20 41	1 32	18 55	1 20	10 0	1 16	14 11	1 1	9 28	2 24	3 21	0 40	17 59
W17	23 26	16 41	2 34	20 59	1 23	18 42	1 35	10 13	1 16	14 8	1 1	9 29	2 24	3 21	0 40	17 58
T 18	23 24	18 16	3 26	21 16	1 15	18 30	1 49	10 26	1 16	14 3	1 1	9 30	2 24	3 21	0 40	17 58
F 19	23 21	19 0	4 9	21 33	1 6	18 18	2 4	10 38	1 16	13 59	1 1	9 32	2 24	3 21	0 40	17 57
S 20	23 18	18 48	4 40	21 50	0 58	18 6	2 19	10 51	1 16	13 55	1 1	9 33	2 25	3 22	0 40	17 57
S 21	23 14	17 37	4 58	22 6	0 49	17 54	2 35	11 3	1 15	13 51	1 1	9 34	2 25	3 22	0 40	17 56
M22	23 10	15 29	5 0	22 21	0 41	17 42	2 50	11 15	1 15	13 47	1 1	9 35	2 25	3 22	0 40	17 56
T 23	23 6	12 30	4 46	22 36	0 33	17 31	3 6	11 28	1 15	13 43	1 1	9 37	2 25	3 22	0 39	17 55
W24	23 1	8 49	4 15	22 49	0 25	17 21	3 21	11 40	1 15	13 39	1 1	9 38	2 25	3 23	0 39	17 55
T 25	22 55	4 37	3 29	23 2	0 17	17 10	3 37	11 52	1 15	13 34	1 1	9 39	2 26	3 23	0 39	17 54
F 26	22 49	0 9	2 31	23 14	0 9	17 1	3 52	12 4	1 14	13 30	1 0	9 40	2 26	3 23	0 39	17 54
S 27	22 43	4n22	1 23	23 25	0 1	16 51	4 7	12 16	1 14	13 26	1 0	9 41	2 26	3 24	0 39	17 53
S 28	22 36	8 40	0 9	23 35	0s 6	16 42	4 22	12 27	1 14	13 21	1 0	9 42	2 26	3 24	0 39	17 52
M29	22 29	12 31	1s 5	23 44	0 14	16 33	4 37	12 39	1 14	13 17	1 0	9 43	2 26	3 24	0 39	17 52
T 30	22 21	15 39	2 15	23 51	0 21	16 25	4 52	12 51	1 14	13 12	1 0	9 44	2 27	3 25	0 39	17 51
W31	22s13	17n50	3s18	23s58	0s28	16s18	5n 6	13s 2	1n13	13s 8	1s 0	9s45	2n27	3n25	0s39	17s51

Julian Day Number = 2273284.5, Delta T = 265.39 sec

Ecliptic obliquity = 23°30'01, Nutation = 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°55'48, Lahiri = 17°02'49 Julian Calendar 1 Dec. 1511 == Greg. Calendar 11 Dec. 1511