



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 D5EPH

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	6°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°H 9	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°V13	0°351	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°B17	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°II29	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°E15	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°Q21	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°M46	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°E28	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°M13	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°H 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°H39	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°H59	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°B39	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°H58	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°H12	9°H 7	8°H 9	28°H22	7°H53	20°H21	7°V13	9°H19	20°H47	9°M56	10°M46	20°M31	24°M46	F 31

Delta T = 267.43 sec

Julian Calendar 1 Jan. 1511 == Greg. Calendar 11 Jan. 1511

FEBRUARY 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 19 20	21°14'05	27°H14	10°H47	9°H24	29°H 7	8°H 7	20°R20	7°V16	9°H21	20°H48	9°R48	10°M42	20°M37	24°M49	S 1
S 2	9 23 16	22°14'38	12°V 1	12°28	10°39	29°52	8°21	20°H18	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°V37	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°B31	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°II31	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°E16	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°H17'54	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°Q23	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°H 9	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°M28	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°E 2	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°M46	11°31	0°H38	11°49	12°3	19°45	8°5	9°58	21°7	8°D 4	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°H38	17°21	4°22	14°3	12°43	19°36	8°14	10°4	21°9	8°R 6	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°B58	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°H13	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°H 9	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°H18'08	20°H26	0°V54	13°H 6	19°V12	14°H16	19°H12	8°V36	10°H18	21°H13	7°M28	9°M17	23°M38	25°M25	F 28

Delta T = 267.24 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1511

geocentric

MARCH 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 9 43	19°17'52	5°41	2°45	14°20	19°56	14°29	19°R 9	8°40	10°20	21°14	7°R23	9°M13	23°45	25°R25	S 1
S 2	11 13 40	20°17'34	20°44	4°34	15°35	20°40	14°42	19°5	8°43	10°22	21°14	7°M19	9°10	23°51	25°M24	S 2
M 3	11 17 36	21°17'13	5°28	6°20	16°50	21°24	14°55	19° 1	8°46	10°24	21°14	7°D18	9° 7	23°58	25°24	M 3
T 4	11 21 33	22°16'51	19°46	8° 2	18° 4	22° 8	15° 8	18°57	8°50	10°25	21°15	7°19	9° 4	24° 5	25°23	T 4
W 5	11 25 29	23°16'26	3°38	9°41	19°19	22°52	15°20	18°53	8°53	10°27	21°15	7°20	9° 1	24°11	25°23	W 5
T 6	11 29 26	24°15'58	17° 4	11°16	20°34	23°36	15°33	18°50	8°56	10°29	21°16	7°21	8°58	24°18	25°22	T 6
F 7	11 33 22	25°15'29	0°6	12°46	21°48	24°20	15°46	18°46	9° 0	10°31	21°16	7°R21	8°54	24°25	25°21	F 7
S 8	11 37 19	26°14'57	12°48	14°11	23° 3	25° 3	15°58	18°42	9° 3	10°32	21°16	7°20	8°51	24°31	25°20	S 8
S 9	11 41 16	27°14'22	25°14	15°30	24°17	25°47	16°11	18°37	9° 6	10°34	21°16	7°16	8°48	24°38	25°19	S 9
M10	11 45 12	28°13'46	7°27	16°44	25°32	26°31	16°23	18°33	9°10	10°36	21°16	7°11	8°45	24°45	25°18	M10
T 11	11 49 9	29°13'07	19°31	17°52	26°47	27°14	16°35	18°29	9°13	10°38	21°17	7° 5	8°42	24°51	25°17	T 11
W12	11 53 5	0°12'25	1°28	18°53	28° 1	27°58	16°48	18°25	9°16	10°39	21°17	6°58	8°38	24°58	25°16	W12
T 13	11 57 2	1°11'42	13°21	19°47	29°16	28°41	17° 0	18°21	9°20	10°41	21°17	6°51	8°35	25° 5	25°14	T 13
F 14	12 0 58	2°10'56	25°11	20°35	0°30	29°25	17°12	18°16	9°23	10°42	21°17	6°45	8°32	25°12	25°13	F 14
S 15	12 4 55	3°10'09	7°1	21°15	1°45	0°8	17°24	18°12	9°27	10°44	21°R17	6°40	8°29	25°18	25°11	S 15
S 16	12 8 51	4° 9'19	18°52	21°49	2°59	0°51	17°36	18° 8	9°30	10°46	21°17	6°37	8°26	25°25	25° 9	S 16
M17	12 12 48	5° 8'27	0°47	22°15	4°14	1°35	17°48	18° 3	9°34	10°47	21°17	6°D36	8°23	25°32	25° 7	M17
T 18	12 16 45	6° 7'33	12°48	22°34	5°28	2°18	18° 0	17°59	9°37	10°49	21°17	6°36	8°19	25°38	25° 5	T 18
W19	12 20 41	7° 6'38	24°57	22°45	6°42	3° 1	18°12	17°54	9°40	10°50	21°17	6°37	8°16	25°45	25° 3	W19
T 20	12 24 38	8° 5'40	7°19	22°R50	7°57	3°44	18°23	17°50	9°44	10°51	21°16	6°39	8°13	25°52	25° 1	T 20
F 21	12 28 34	9° 4'41	19°56	22°48	9°11	4°27	18°35	17°45	9°47	10°53	21°16	6°40	8°10	25°58	24°59	F 21
S 22	12 32 31	10° 3'40	2°52	22°39	10°26	5°10	18°46	17°41	9°51	10°54	21°16	6°41	8° 7	26° 5	24°57	S 22
S 23	12 36 27	11° 2'37	16°11	22°24	11°40	5°53	18°58	17°36	9°54	10°56	21°16	6°R41	8° 4	26°12	24°54	S 23
M24	12 40 24	12° 1'33	29°54	22° 4	12°54	6°36	19° 9	17°32	9°58	10°57	21°16	6°40	8° 0	26°18	24°52	M24
T 25	12 44 20	13° 0'26	14°4	21°37	14° 9	7°19	19°20	17°27	10° 1	10°58	21°15	6°38	7°57	26°25	24°49	T 25
W26	12 48 17	13°58'18	28°38	21° 6	15°23	8° 2	19°31	17°23	10° 4	11° 0	21°15	6°36	7°54	26°32	24°47	W26
T 27	12 52 13	14°58'08	13°31	20°31	16°37	8°45	19°42	17°18	10° 8	11° 1	21°15	6°33	7°51	26°38	24°44	T 27
F 28	12 56 10	15°56'57	28°38	19°53	17°52	9°28	19°53	17°13	10°11	11° 2	21°14	6°30	7°48	26°45	24°41	F 28
S 29	13 0 7	16°55'43	13°48	19°12	19° 6	10°10	20° 4	17° 9	10°15	11° 3	21°14	6°28	7°44	26°52	24°38	S 29
S 30	13 4 3	17°54'27	28°52	18°29	20°20	10°53	20°15	17° 4	10°18	11° 4	21°13	6°27	7°41	26°58	24°35	S 30
M31	13 8 0	18°53'10	13°41	17°45	21°34	11°36	20°25	16°59	10°22	11° 6	21°13	6°D27	7°M38	27°5	24°M32	M31

Delta T = 267.07 sec

Julian Calendar 1 March 1511 == Greg. Calendar 11 March 1511

APRIL 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 11 56	19°51'50	28°9	17°R 2	22°49	12°18	20°36	16°R55	10°25	11° 7	21°R12	6°M28	7°M35	27°M12	24°R29	T 1
W 2	13 15 53	20°50'28	12°12	16°18	24° 3	13° 1	20°46	16°50	10°28	11° 8	21°12	6°29	7°32	27°18	24°M26	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°M47	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°130	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°17	28°33	2°134	24°48	14°54	11°58	11°25	20°46	6°M25	6°M 3	0°25	22°M34	W30

Delta T = 266.88 sec

Julian Calendar

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♂15	24♂55	14°R50	12♂1	11♂25	20°R45	6°R24	6♂0	0♂32	22°R30	T 1
F 2	15 14 9	19°54'57	17°11	24°36	1♂1	3°56	25°2	14♂47	12°4	11°25	20♂43	6♂22	5°56	0°39	22♂25	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♂28'43	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♂47	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°D3	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♂53	27°58	18°52	26°43	13°54	13°0	11°20	20°12	6°R6	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♂28	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♂0	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♂41'33	8♂3	15♂54	6♂31	23♂34	26♂57	13♂46	13♂14	11♂15	20♂1	5♂36	4♂24	3♂52	20♂24	S 31

Delta T = 266.70 sec

Julian Calendar 1 May 1511 == Greg. Calendar 11 May 1511

JUNE 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 12 26	18♂38'49	20♂34	18♂6	7♂44	24♂14	26♂58	13°R45	13♂16	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°R1	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♂51	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	9♂53	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♂51	10♂41	19♂16	3♂20	2♂49	7♂12	19♂11	M30

Delta T = 266.51 sec

Julian Calendar

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°51'	10°R39	19°R15	3°R15	2°46'	7°19'	19°R10	T 1
W 2	19 14 39	18°12'02"	4°43'	14° 1	15°25'	14°40'	26°42'	14°12'	13°52'	10°43'	19°13'	3°13'	2°43'	7°25'	19°13'	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°16'	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°58'	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	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°53'	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°47'	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°11' 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°36'	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°52'	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°12'25"	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°15'	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°12' 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°11'	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°11'50"	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°151'	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°12'57"	24°27'	27°12' 3	20°16'	3°12'23	22°55'3	15°12'56	13°44'	9°52'	18°44'	0°19'	1°10'	10°38'	19°24	T 31

Delta T = 266.33 sec

Julian Calendar 1 July 1511 == Greg. Calendar 11 July 1511

AUGUST 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 12 56	16°154'53"	6°11'17"	26°R21	21°11'28"	4°12' 2	22°R46	16°41' 1	13°R43	9°R50	18°R43	0°D19	1°11' 7	10°45'	19°126	F 1
S 2	21 16 53	17°52'36"	18°15'	25°13'35	22°40'	4°40'	22°43'38	16° 6	13°Y42	9°44'	18°43'	0°R19	1° 4	10°52'	19°28	S 2
S 3	21 20 49	18°50'19"	0°21'26"	24°47'	23°51'	5°19'	22°30'	16°11'	13°41'	9°47'	18°42'	0°11'18	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°23' 5	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°45'56	0°48'	11°25'	19°40	T 7
F 8	21 40 32	23°39'15"	7°44' 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°45'59	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°11'28"	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
M11	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	M11
T 12	21 56 18	27°30'49"	6°11'12"	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
W13	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	W13
T 14	22 4 11	29°26'46"	5°11'20"	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°11'24'47"	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°11'20"	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
M18	22 19 57	3°19'04"	0°11'52"	16°59'	11°37'	14°52'	20°33'	17°32'	13°20'	9°24'	18°37'	29°11'	0°13'	12°38'	20°15	M18
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
W20	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	W20
T 21	22 31 47	6°13'38"	8°12'41"	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°11'22"	20°10'	17°30'	18° 3	19°57'	18° 2	13°11'	9°17'	18°37'	28°30'	29°45'57	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
M25	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	M25
T 26	22 51 30	11° 5'13"	9°11'16"	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
W27	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	W27
T 28	22 59 23	13° 2'03"	21°14'49"	26°22'	23°21'	21°13'	19°22'	18°33'	13° 1	9°10'	18°37'	28°D 9	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°11'57'31"	8°11'45"	1°11' 6	26°45'51	23°12' 6	19°44' 3	18°12'52	12°55'55	9°44' 6	18°38'38	28°11'3	29°32'32	14°11' 4	21°11' 9	S 31

Delta T = 266.14 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1511

geocentric

SEPTEMBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	23 15 9	16 ¹¹ 56'03	21 ¹¹ 12	2 ¹¹ 48	28 ¹¹ 1	23 ¹¹ 44	18 ¹¹ 57	18 ¹¹ 59	12 ¹¹ 53	9 ¹¹ 5	18 ¹¹ 38	28 ¹¹ R13	29 ¹¹ 29	14 ¹¹ 11	21 ¹¹ 14	M 1
T 2	23 19 6	17 ¹¹ 54'38	4 ¹¹ 2	4 ¹¹ 32	29 ¹¹ 10	24 ¹¹ 22	18 ¹¹ 51	19 ¹¹ 5	12 ¹¹ Y51	9 ¹¹ 4	18 ¹¹ 39	28 ¹¹ 11	29 ¹¹ 26	14 ¹¹ 18	21 ¹¹ 19	T 2
W 3	23 23 2	18 ¹¹ 53'14	17 ¹¹ 18	6 ¹¹ 18	0 ¹¹ 20	25 ¹¹ 0	18 ¹¹ 45	19 ¹¹ 12	12 ¹¹ 49	9 ¹¹ 3	18 ¹¹ 39	28 ¹¹ 8	29 ¹¹ 22	14 ¹¹ 24	21 ¹¹ 24	W 3
T 4	23 26 59	19 ¹¹ 51'51	1 ¹¹ 3	8 ¹¹ 5	1 ¹¹ 29	25 ¹¹ 38	18 ¹¹ 40	19 ¹¹ 18	12 ¹¹ 46	9 ¹¹ 1	18 ¹¹ 39	28 ¹¹ 4	29 ¹¹ 19	14 ¹¹ 31	21 ¹¹ 29	T 4
F 5	23 30 55	20 ¹¹ 50'31	15 ¹¹ 16	9 ¹¹ 54	2 ¹¹ 39	26 ¹¹ 16	18 ¹¹ 34	19 ¹¹ 25	12 ¹¹ 44	9 ¹¹ 0	18 ¹¹ 40	27 ¹¹ 59	29 ¹¹ 16	14 ¹¹ 38	21 ¹¹ 34	F 5
S 6	23 34 52	21 ¹¹ 49'12	29 ¹¹ 54	11 ¹¹ 44	3 ¹¹ 48	26 ¹¹ 54	18 ¹¹ 29	19 ¹¹ 32	12 ¹¹ 42	8 ¹¹ 59	18 ¹¹ 40	27 ¹¹ 53	29 ¹¹ 13	14 ¹¹ 44	21 ¹¹ 39	S 6
S 7	23 38 48	22 ¹¹ 47'55	14 ¹¹ X51	13 ¹¹ 34	4 ¹¹ 58	27 ¹¹ 31	18 ¹¹ 23	19 ¹¹ 38	12 ¹¹ 40	8 ¹¹ 58	18 ¹¹ 41	27 ¹¹ 48	29 ¹¹ 10	14 ¹¹ 51	21 ¹¹ 44	S 7
M 8	23 42 45	23 ¹¹ 46'40	29 ¹¹ 59	15 ¹¹ 24	6 ¹¹ 7	28 ¹¹ 9	18 ¹¹ 18	19 ¹¹ 45	12 ¹¹ 37	8 ¹¹ 57	18 ¹¹ 41	27 ¹¹ 44	29 ¹¹ 7	14 ¹¹ 58	21 ¹¹ 50	M 8
T 9	23 46 42	24 ¹¹ 45'26	15 ¹¹ Y9	17 ¹¹ 15	7 ¹¹ 16	28 ¹¹ 47	18 ¹¹ 13	19 ¹¹ 52	12 ¹¹ 35	8 ¹¹ 56	18 ¹¹ 42	27 ¹¹ 42	29 ¹¹ 3	15 ¹¹ 4	21 ¹¹ 55	T 9
W10	23 50 38	25 ¹¹ 44'16	0 ¹¹ 810	19 ¹¹ 5	8 ¹¹ 25	29 ¹¹ 25	18 ¹¹ 9	19 ¹¹ 59	12 ¹¹ 33	8 ¹¹ 55	18 ¹¹ 43	27 ¹¹ D42	29 ¹¹ 0	15 ¹¹ 11	22 ¹¹ 0	W10
T 11	23 54 35	26 ¹¹ 43'07	14 ¹¹ 55	20 ¹¹ 56	9 ¹¹ 34	0 ¹¹ Y3	18 ¹¹ 4	20 ¹¹ 6	12 ¹¹ 31	8 ¹¹ 54	18 ¹¹ 43	27 ¹¹ 42	28 ¹¹ 57	15 ¹¹ 18	22 ¹¹ 6	T 11
F 12	23 58 31	27 ¹¹ 42'01	29 ¹¹ 19	22 ¹¹ 45	10 ¹¹ 42	0 ¹¹ 40	18 ¹¹ 0	20 ¹¹ 12	12 ¹¹ 28	8 ¹¹ 53	18 ¹¹ 44	27 ¹¹ 44	28 ¹¹ 54	15 ¹¹ 24	22 ¹¹ 11	F 12
S 13	0 2 28	28 ¹¹ 40'57	13 ¹¹ II20	24 ¹¹ 35	11 ¹¹ 51	1 ¹¹ 18	17 ¹¹ 55	20 ¹¹ 19	12 ¹¹ 26	8 ¹¹ 52	18 ¹¹ 45	27 ¹¹ 45	28 ¹¹ 51	15 ¹¹ 31	22 ¹¹ 17	S 13
S 14	0 6 24	29 ¹¹ 39'55	26 ¹¹ 57	26 ¹¹ 23	13 ¹¹ 0	1 ¹¹ 56	17 ¹¹ 51	20 ¹¹ 26	12 ¹¹ 24	8 ¹¹ 51	18 ¹¹ 45	27 ¹¹ R46	28 ¹¹ 47	15 ¹¹ 38	22 ¹¹ 23	S 14
M15	0 10 21	0 ¹¹ 38'56	10 ¹¹ 12	28 ¹¹ 11	14 ¹¹ 8	2 ¹¹ 33	17 ¹¹ 47	20 ¹¹ 33	12 ¹¹ 21	8 ¹¹ 50	18 ¹¹ 46	27 ¹¹ 46	28 ¹¹ 44	15 ¹¹ 44	22 ¹¹ 28	M15
T 16	0 14 17	1 ¹¹ 37'59	23 ¹¹ 8	29 ¹¹ 59	15 ¹¹ 17	3 ¹¹ 11	17 ¹¹ 44	20 ¹¹ 40	12 ¹¹ 19	8 ¹¹ 50	18 ¹¹ 47	27 ¹¹ 44	28 ¹¹ 41	15 ¹¹ 51	22 ¹¹ 34	T 16
W17	0 18 14	2 ¹¹ 37'04	5 ¹¹ 14	1 ¹¹ 45	16 ¹¹ 25	3 ¹¹ 49	17 ¹¹ 40	20 ¹¹ 47	12 ¹¹ 16	8 ¹¹ 49	18 ¹¹ 48	27 ¹¹ 41	28 ¹¹ 38	15 ¹¹ 58	22 ¹¹ 40	W17
T 18	0 22 11	3 ¹¹ 36'12	18 ¹¹ 9	3 ¹¹ 31	17 ¹¹ 33	4 ¹¹ 27	17 ¹¹ 37	20 ¹¹ 54	12 ¹¹ 14	8 ¹¹ 48	18 ¹¹ 48	27 ¹¹ 38	28 ¹¹ 35	16 ¹¹ 4	22 ¹¹ 46	T 18
F 19	0 26 7	4 ¹¹ 35'22	0 ¹¹ Y21	5 ¹¹ 16	18 ¹¹ 41	5 ¹¹ 4	17 ¹¹ 34	21 ¹¹ 1	12 ¹¹ 12	8 ¹¹ 47	18 ¹¹ 49	27 ¹¹ 34	28 ¹¹ 32	16 ¹¹ 11	22 ¹¹ 52	F 19
S 20	0 30 4	5 ¹¹ 34'33	12 ¹¹ 24	7 ¹¹ 1	19 ¹¹ 49	5 ¹¹ 42	17 ¹¹ 31	21 ¹¹ 8	12 ¹¹ 9	8 ¹¹ 47	18 ¹¹ 50	27 ¹¹ 30	28 ¹¹ 28	16 ¹¹ 17	22 ¹¹ 58	S 20
S 21	0 34 0	6 ¹¹ 33'48	24 ¹¹ 20	8 ¹¹ 44	20 ¹¹ 57	6 ¹¹ 19	17 ¹¹ 28	21 ¹¹ 15	12 ¹¹ 7	8 ¹¹ 46	18 ¹¹ 51	27 ¹¹ 27	28 ¹¹ 25	16 ¹¹ 24	23 ¹¹ 4	S 21
M22	0 37 57	7 ¹¹ 33'04	6 ¹¹ 11	10 ¹¹ 27	22 ¹¹ 5	6 ¹¹ 57	17 ¹¹ 25	21 ¹¹ 22	12 ¹¹ 4	8 ¹¹ 45	18 ¹¹ 52	27 ¹¹ 25	28 ¹¹ 22	16 ¹¹ 31	23 ¹¹ 10	M22
T 23	0 41 53	8 ¹¹ 32'22	17 ¹¹ 58	12 ¹¹ 9	23 ¹¹ 12	7 ¹¹ 35	17 ¹¹ 23	21 ¹¹ 30	12 ¹¹ 2	8 ¹¹ 45	18 ¹¹ 53	27 ¹¹ 23	28 ¹¹ 19	16 ¹¹ 37	23 ¹¹ 17	T 23
W24	0 45 50	9 ¹¹ 31'43	29 ¹¹ 45	13 ¹¹ 50	24 ¹¹ 20	8 ¹¹ 12	17 ¹¹ 21	21 ¹¹ 37	11 ¹¹ 59	8 ¹¹ 44	18 ¹¹ 54	27 ¹¹ D23	28 ¹¹ 16	16 ¹¹ 44	23 ¹¹ 23	W24
T 25	0 49 46	10 ¹¹ 31'05	11 ¹¹ 11	15 ¹¹ 30	25 ¹¹ 27	8 ¹¹ 50	17 ¹¹ 19	21 ¹¹ 44	11 ¹¹ 57	8 ¹¹ 43	18 ¹¹ 55	27 ¹¹ 24	28 ¹¹ 13	16 ¹¹ 51	23 ¹¹ 29	T 25
F 26	0 53 43	11 ¹¹ 30'29	23 ¹¹ 26	17 ¹¹ 10	26 ¹¹ 34	9 ¹¹ 27	17 ¹¹ 17	21 ¹¹ 51	11 ¹¹ 55	8 ¹¹ 43	18 ¹¹ 56	27 ¹¹ 25	28 ¹¹ 9	16 ¹¹ 57	23 ¹¹ 35	F 26
S 27	0 57 39	12 ¹¹ 29'56	5 ¹¹ X26	18 ¹¹ 49	27 ¹¹ 41	10 ¹¹ 5	17 ¹¹ 15	21 ¹¹ 58	11 ¹¹ 52	8 ¹¹ 42	18 ¹¹ 57	27 ¹¹ 26	28 ¹¹ 6	17 ¹¹ 4	23 ¹¹ 42	S 27
S 28	1 1 36	13 ¹¹ 29'24	17 ¹¹ 38	20 ¹¹ 27	28 ¹¹ 48	10 ¹¹ 42	17 ¹¹ 14	22 ¹¹ 5	11 ¹¹ 50	8 ¹¹ 42	18 ¹¹ 59	27 ¹¹ 27	28 ¹¹ 3	17 ¹¹ 11	23 ¹¹ 48	S 28
M29	1 5 33	14 ¹¹ 28'54	0 ¹¹ 35	22 ¹¹ 5	29 ¹¹ 55	11 ¹¹ 20	17 ¹¹ 13	22 ¹¹ 13	11 ¹¹ 47	8 ¹¹ 41	19 ¹¹ 0	27 ¹¹ 28	28 ¹¹ 0	17 ¹¹ 17	23 ¹¹ 55	M29
T 30	1 9 29	15 ¹¹ 28'26	12 ¹¹ 351	23 ¹¹ 42	1 ¹¹ X1	11 ¹¹ Y58	17 ¹¹ 12	22 ¹¹ 12	11 ¹¹ Y45	8 ¹¹ 41	19 ¹¹ X1	27 ¹¹ R29	27 ¹¹ 17	17 ¹¹ 24	24 ¹¹ 11	T 30

Delta T = 265.95 sec

Julian Calendar 1 Sept. 1511 == Greg. Calendar 11 Sept. 1511

OCTOBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 13 26	16♂27'59	26♂ 1	25♂18	2♂ 7	12♂35	17♂R11	22♂27	11♂R42	8♂R41	19♂ 2	27♂R29	27♂53	17♂131	24♂ 8	W 1
T 2	1 17 22	17°27'34	9♂36	26°53	3°14	13°12	17♂10	22°34	11♂40	8♂40	19° 3	27♂28	27°50	17°37	24°15	T 2
F 3	1 21 19	18°27'11	23°38	28°28	4°20	13°50	17°10	22°42	11°38	8°40	19° 5	27°27	27°47	17°44	24°21	F 3
S 4	1 25 15	19°26'50	8♂ 6	0♂ 3	5°25	14°27	17°D10	22°49	11°35	8°40	19° 6	27°26	27°44	17°51	24°28	S 4
S 5	1 29 12	20°26'30	22°57	1°36	6°31	15° 5	17°10	22°56	11°33	8°39	19° 7	27°25	27°41	17°57	24°35	S 5
M 6	1 33 8	21°26'12	8♂ 4	3° 9	7°37	15°42	17°10	23° 3	11°30	8°39	19° 9	27°25	27°38	18° 4	24°42	M 6
T 7	1 37 5	22°25'57	23°18	4°42	8°42	16°20	17°10	23°10	11°28	8°39	19°10	27°D24	27°34	18°10	24°49	T 7
W 8	1 41 2	23°25'43	8♂29	6°14	9°47	16°57	17°11	23°18	11°26	8°39	19°12	27°24	27°31	18°17	24°56	W 8
T 9	1 44 58	24°25'31	23°28	7°45	10°52	17°34	17°12	23°25	11°23	8°39	19°13	27°25	27°28	18°24	25° 3	T 9
F 10	1 48 55	25°25'22	8♂ 8	9°16	11°56	18°12	17°13	23°32	11°21	8°39	19°15	27°25	27°25	18°30	25°10	F 10
S 11	1 52 51	26°25'15	22°23	10°46	13° 0	18°49	17°14	23°39	11°19	8°39	19°16	27°25	27°22	18°37	25°17	S 11
S 12	1 56 48	27°25'10	6♂11	12°16	14° 5	19°26	17°15	23°47	11°16	8°D39	19°18	27°R25	27°18	18°44	25°24	S 12
M13	2 0 44	28°25'07	19°32	13°45	15° 8	20° 4	17°17	23°54	11°14	8°39	19°19	27°25	27°15	18°50	25°31	M13
T 14	2 4 41	29°25'06	2♂29	15°14	16°12	20°41	17°19	24° 1	11°12	8°39	19°21	27°D25	27°12	18°57	25°38	T 14
W15	2 8 37	0♂25'08	15° 4	16°42	17°15	21°18	17°21	24° 8	11° 9	8°39	19°22	27°25	27° 9	19° 4	25°45	W15
T 16	2 12 34	1°25'11	27°22	18° 9	18°18	21°55	17°23	24°16	11° 7	8°39	19°24	27°26	27° 6	19°10	25°52	T 16
F 17	2 16 31	2°25'17	9♂26	19°36	19°21	22°33	17°26	24°23	11° 5	8°39	19°25	27°26	27° 3	19°17	25°59	F 17
S 18	2 20 27	3°25'25	21°21	21° 3	20°24	23°10	17°28	24°30	11° 3	8°39	19°27	27°27	26°59	19°24	26° 7	S 18
S 19	2 24 24	4°25'35	3♂11	22°28	21°26	23°47	17°31	24°37	11° 0	8°39	19°29	27°27	26°56	19°30	26°14	S 19
M20	2 28 20	5°25'47	14°58	23°53	22°28	24°24	17°34	24°44	10°58	8°40	19°31	27°28	26°53	19°37	26°21	M20
T 21	2 32 17	6°26'00	26°45	25°17	23°30	25° 2	17°37	24°52	10°56	8°40	19°32	27°R28	26°50	19°43	26°29	T 21
W22	2 36 13	7°26'16	8♂35	26°41	24°31	25°39	17°41	24°59	10°54	8°40	19°34	27°28	26°47	19°50	26°36	W22
T 23	2 40 10	8°26'34	20°30	28° 3	25°32	26°16	17°44	25° 6	10°52	8°41	19°36	27°27	26°44	19°57	26°43	T 23
F 24	2 44 6	9°26'53	2♂32	29°25	26°32	26°53	17°48	25°13	10°50	8°41	19°38	27°26	26°40	20° 3	26°51	F 24
S 25	2 48 3	10°27'14	14°42	0♂46	27°32	27°50	17°52	25°20	10°48	8°41	19°39	27°24	26°37	20°10	26°58	S 25
S 26	2 52 0	11°27'36	27° 3	2° 5	28°32	28° 7	17°56	25°27	10°46	8°42	19°41	27°22	26°34	20°17	27° 6	S 26
M27	2 55 56	12°28'00	9♂37	3°23	29°32	28°44	18° 0	25°34	10°44	8°42	19°43	27°20	26°31	20°23	27°13	M27
T 28	2 59 53	13°28'25	22°27	4°40	0♂31	29°21	18° 5	25°41	10°42	8°43	19°45	27°18	26°28	20°30	27°21	T 28
W29	3 3 49	14°28'52	5♂34	5°55	1°29	29°58	18°10	25°48	10°40	8°44	19°47	27°17	26°24	20°37	27°28	W29
T 30	3 7 46	15°29'20	19° 1	7° 9	2°27	0♂35	18°15	25°55	10°38	8°44	19°49	27°D17	26°21	20°43	27°36	T 30
F 31	3 11 42	16♂29'50	2♂50	8♂20	3♂25	1♂12	18♂20	26♂ 2	10♂36	8♂45	19♂51	27♂17	26♂18	20♂50	27♂43	F 31

ASTRODIENST EPHEMERIS for the year 1511

geocentric

NOVEMBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 15 39	17 ¹¹ 30'20	17 ¹¹ 30'20	9 ¹¹ 30'30	4 ¹¹ 22'22	1 ¹¹ 49'49	18 ¹¹ 25'25	26 ¹¹ 09'09	10 ¹¹ R35	8 ¹¹ 45'45	19 ¹¹ 53'53	27 ¹¹ 19'19	26 ¹¹ 15'15	20 ¹¹ 57'57	27 ¹¹ 11'11	S 1
S 2	3 19 35	18°30'52	1 ¹¹ 32'32	10°36'51	5°19'26	2°26'18	18°30'26	26°16'10	10 ¹¹ 33'33	8°46'19	19°54'27	27°20'26	26°12'21	21° 3'27	27°58'27	S 2
M 3	3 23 32	19°31'25	16°21'11	11°40'6	6°15'3	3° 3'18	18°36'26	26°23'10	10°31'8	8°47'19	19°56'27	27°21'26	26° 9'21	21°10'28	28° 6'28	M 3
T 4	3 27 29	20°32'00	1 ¹¹ 32'12	12°41'7	7°10'3	3°40'18	18°42'26	26°30'10	10°29'8	8°48'19	19°58'27	27°R21	26° 5'21	21°17'28	28°13'28	T 4
W 5	3 31 25	21°32'36	16°25'13	13°38'8	8° 5'4	4°17'18	18°48'26	26°37'10	10°28'8	8°48'20	20° 0'27	27°20'26	26° 2'21	21°23'28	28°21'28	W 5
T 6	3 35 22	22°33'13	1 ¹¹ 24'14	14°31'8	8°59'4	4°54'18	18°54'26	26°43'10	10°26'8	8°49'20	20° 2'27	27°18'25	25°59'21	21°30'28	28°28'28	T 6
F 7	3 39 18	23°33'52	16° 9'15	15°19'9	9°53'5	5°31'19	19° 0'26	26°50'10	10°24'8	8°50'20	20° 4'27	27°15'25	25°56'21	21°36'28	28°36'28	F 7
S 8	3 43 15	24°34'32	0 ¹¹ 32'16	16° 1'10	10°46'6	6° 8'19	19° 7'26	26°57'10	10°23'8	8°51'20	20° 7'27	27°11'25	25°53'21	21°43'28	28°44'28	S 8
S 9	3 47 11	25°35'15	14°30'16	16°38'11	11°39'6	6°44'19	19°13'27	27° 3'10	10°21'8	8°52'20	20° 9'27	27° 7'25	25°50'21	21°50'28	28°51'28	S 9
M10	3 51 8	26°35'58	12° 0'17	17° 8'12	12°30'7	7°21'19	19°20'27	27°10'10	10°20'8	8°53'20	20°11'27	27° 3'25	25°46'21	21°56'28	28°59'28	M10
T 11	3 55 4	27°36'43	11 ¹¹ 0'3	17°30'13	13°21'7	7°58'19	19°27'27	27°17'10	10°18'8	8°54'20	20°13'27	27° 0'25	25°43'22	22° 3'29	29° 6'29	T 11
W12	3 59 1	28°37'30	23°42'17	14°44'14	14°11'8	8°35'19	19°34'27	27°23'10	10°17'8	8°55'20	20°15'26	26°D59	25°40'22	22°10'29	29°14'29	W12
T 13	4 2 58	29°38'18	6 ¹¹ 0'17	17°R49	15° 1'9	9°12'19	19°41'27	27°30'10	10°16'8	8°56'20	20°17'26	26°59'25	25°37'22	22°16'29	29°22'29	T 13
F 14	4 6 54	0 ¹¹ 39'08	18° 3'17	14°44'15	15°50'9	9°48'19	19°49'27	27°36'10	10°14'8	8°57'20	20°19'27	27° 0'25	25°34'22	22°23'29	29°29'29	F 14
S 15	4 10 51	1°39'59	29°56'17	17°29'16	16°37'10	10°25'19	19°56'27	27°43'10	10°13'8	8°58'20	20°21'27	27° 2'25	25°30'22	22°30'29	29°37'29	S 15
S 16	4 14 47	2°40'52	11 ¹¹ 43'17	2° 2'17	17°24'11	11° 2'20	20° 4'27	27°49'10	10°12'8	8°59'20	20°23'27	27° 4'25	25°27'22	22°36'29	29°44'29	S 16
M17	4 18 44	3°41'45	23°30'16	16°24'18	18°10'11	11°38'20	20°12'27	27°56'10	10°11'8	9° 0'20	20°25'27	27°R 5	25°24'22	22°43'29	29°52'29	M17
T 18	4 22 40	4°42'41	5 ¹¹ 19'15	15°36'18	18°55'12	12°15'20	20°20'28	28° 2'10	10°10'8	9° 2'20	20°28'27	27° 4'25	25°21'22	22°50'29	29°59'29	T 18
W19	4 26 37	5°43'37	17°15'14	14°37'19	19°39'12	12°51'20	20°28'28	28° 8'10	10° 8'9	9° 3'20	20°30'27	27° 2'25	25°18'22	22°56'0	0 ¹¹ 7'7	W19
T 20	4 30 33	6°44'35	29°19'13	29°13'20	22°22'13	13°28'20	20°36'28	28°14'10	10° 7'9	9° 4'20	20°32'26	26°58'25	25°15'23	23° 3'0	0°15'2	T 20
F 21	4 34 30	7°45'33	11 ¹¹ 34'12	12°14'21	14° 5'20	14° 5'20	20°45'28	28°20'10	10° 6'9	9° 5'20	20°34'26	26°52'25	25°11'23	23° 9'0	0°22'2	F 21
S 22	4 38 27	8°46'33	24° 0'10	10°53'21	14°41'20	14°41'20	20°54'28	28°27'10	10° 5'9	9° 7'20	20°36'26	26°45'25	25° 8'23	23°16'0	0°30'3	S 22
S 23	4 42 23	9°47'33	6 ¹¹ 39'9	9°31'22	22°24'15	15°18'21	21° 2'28	28°33'10	10° 5'9	9° 8'20	20°38'26	26°36'25	25° 5'23	23°23'0	0°37'3	S 23
M24	4 46 20	10°48'35	19°30'8	8° 8'23	23° 3'15	15°54'21	21°11'28	28°39'10	10° 4'9	9° 9'20	20°41'26	26°28'25	25° 2'23	23°29'0	0°45'2	M24
T 25	4 50 16	11°49'37	2 ¹¹ 33'6	6°49'23	23°40'16	16°30'21	21°20'28	28°45'10	10° 3'9	9°11'20	20°43'26	26°21'24	24°59'23	23°36'0	0°52'2	T 25
W26	4 54 13	12°50'39	15°49'5	5°35'24	15° 7'21	12°29'28	28°51'10	10° 2'9	9°12'20	20°45'26	26°16'24	24°55'23	23°43'1	0° 0'7	0°15'2	W26
T 27	4 58 9	13°51'42	29°19'4	4°29'24	24°50'17	17°43'21	21°39'28	28°56'10	10° 1'9	9°14'20	20°47'26	26°13'24	24°52'23	23°49'1	0° 7'7	T 27
F 28	5 2 6	14°52'46	13 ¹¹ 2'3	3°33'25	25°23'18	18°19'21	21°48'29	29° 2'10	10° 1'9	9°15'20	20°49'26	26°D12	24°49'23	23°56'1	1°15'2	F 28
S 29	5 6 2	15°53'50	26°59'2	2°47'25	25°54'18	18°56'21	21°58'29	29° 8'10	10° 0'9	9°17'20	20°52'26	26°12'24	24°46'24	24° 3'1	1°22'2	S 29
S 30	5 9 59	16°54'54	11 ¹¹ 11'2	2°12'26	26°24'19	19°32'22	22° 7'29	29°14'10	10°10'9	9°18'20	20°54'26	26°13'24	24°43'24	24° 9'1	1°29'2	S 30

Delta T = 265.57 sec

Julian Calendar 1 Nov. 1511 == Greg. Calendar 11 Nov. 1511

DECEMBER 1511 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 13 56	17 ¹¹ 55'59	25 ¹¹ 36'36	1°R48	26 ¹¹ 52'20	20 ¹¹ 08'22	22°17'29	29°19'9	9°R59	9°20'20	20°56'26	26°R14	24°40'24	24°16'1	1°37'3	M 1
T 2	5 17 52	18°57'04	10 ¹¹ 31'10	1°35'27	18°18'20	20°44'22	22°27'29	29°25'9	9°Y59	9°21'20	20°58'26	26°13'24	24°36'24	24°23'1	1°44'3	T 2
W 3	5 21 49	19°58'09	24°52'1	1°D33	27°43'21	21°21'22	22°37'29	29°30'9	9°58'9	9°23'21	21° 1'26	26°10'24	24°33'24	24°29'1	1°51'3	W 3
T 4	5 25 45	20°59'15	9 ¹¹ 32'1	1°40'28	28° 6'21	21°57'22	22°47'29	29°36'9	9°58'9	9°25'21	21° 3'26	26° 4'24	24°30'24	24°36'1	1°59'3	T 4
F 5	5 29 42	22° 0'21	24° 5'24	1°56'28	28°26'22	22°33'22	22°58'29	29°41'9	9°58'9	9°26'21	21° 5'25	25°56'24	24°27'24	24°43'2	2° 6'3	F 5
S 6	5 33 38	23° 1'28	8 ¹¹ 32'2	2°20'28	28°45'23	23° 9'23	23° 8'29	29°46'9	9°57'9	9°28'21	21° 7'25	25°47'24	24°24'24	24°49'2	2°13'3	S 6
S 7	5 37 35	24° 2'36	22°19'2	2°51'29	29° 2'23	23°45'23	23°19'29	29°51'9	9°57'9	9°30'21	21° 9'25	25°37'24	24°21'24	24°56'2	2°20'3	S 7
M 8	5 41 31	25° 3'44	5 ¹¹ 52'3	3°29'29	29°17'24	24°21'23	23°29'29	29°57'9	9°57'9	9°32'21	21°12'25	25°27'24	24°17'24	25° 2'2	2°28'3	M 8
T 9	5 45 28	26° 4'52	18°59'4	4°13'29	29°30'24	24°57'23	23°40'0	29°57'9	9°57'9	9°33'21	21°14'25	25°19'24	24°14'24	25° 9'2	2°35'3	T 9
W10	5 49 25	27° 6'01	1 ¹¹ 42'5	5° 2'29	29°40'25	25°33'23	23°51'0	0° 7'9	9°D57	9°35'21	21°16'25	25°14'24	24°11'24	25°16'2	2°42'3	W10
T 11	5 53 21	28° 7'10	14° 3'5	5°56'29	29°48'26	26° 9'24	24° 2'0	0°12'9	9°57'9	9°37'21	21°18'25	25°10'24	24° 8'24	25°22'2	2°49'3	T 11
F 12	5 57 18	29° 8'20	26° 8'6	6°54'29	29°54'26	26°45'24	24°13'0	0°16'9	9°57'9	9°39'21	21°20'25	25°D 9'24	24° 5'24	25°29'2	2°56'3	F 12
S 13	6 1 14	0 ¹¹ 3'9	8 ¹¹ 2'2	7°55'29	29°58'27	27°20'24	24°24'0	0°21'9	9°57'9	9°41'21	21°23'25	25° 9'24	24° 1'24	25°36'2	3° 3'3	S 13
S 14	6 5 11	1°10'42	19°49'9	9° 0'29	29°R59	27°56'24	24°35'0	0°26'9	9°57'9	9°42'21	21°25'25	25°R10'24	23°58'24	25°42'2	3°10'3	S 14
M15	6 9 7	2°11'53	1 ¹¹ 36'10	10° 7'29	29°57'28	28°32'24	24°47'0	0°31'9	9°57'9	9°44'21	21°27'25	25°10'24	23°55'24	25°49'2	3°17'3	M15
T 16	6 13 4	3°13'04	13°28'11	11°17'29	29°54'29	29° 8'24	24°58'0	0°35'9	9°58'9	9°46'21	21°29'25	25° 8'24	23°52'24	25°56'2	3°24'3	T 16
W17	6 17 0	4°14'16	25°29'12	12°29'29	29°47'29	29°43'25	25°10'0	0°40'9	9°58'9	9°48'21	21°31'25	25° 4'24	23°49'24	26° 2'9	3°31'3	W17
T 18	6 20 57	5°15'28	7 ¹¹ 42'13	13°43'29	29°38'0	29°19'25	25°22'0	0°44'9	9°58'9	9°50'21	21°34'24	24°57'24	23°46'24	26° 9'9	3°38'3	T 18
F 19	6 24 54	6°16'41	20°11'14	14°59'29	29°27'0	29°54'25	25°33'0	0°48'9	9°59'9	9°52'21	21°36'24	24°47'24	23°42'24	26°16'9	3°44'3	F 19
S 20	6 28 50	7°17'53	2 ¹¹ 35'16	16°16'29	29°13'1	1°30'25	25°45'0	0°53'9	9°59'9	9°54'21	21°38'24	24°35'24	23°39'24	26°22'9	3°51'3	S 20
S 21	6 32 47	8°19'05	15°55'17	17°35'28	28°57'2	2° 5'25	25°57'0	0°57'9	10° 0'9	9°56'21	21°40'24	24°22'24	23°36'24	26°29'9	3°58'3	S 21
M22	6 36 43	9°20'17	29° 9'18	18°55'28	28°38'2	2°41'26	26° 9'1	1° 1'9	10° 0'9	9°58'21	21°42'24	24° 9'24	23°33'24	26°35'9	4° 4'3	M22
T 23	6 40 40	10°21'29	12°36'20	19°17'28	18°17'3	3°16'26	26°21'1	1° 5'9	10° 1'9	10° 0'9	21°44'24	23°57'24	23°30'24	26°42'9	4°11'3	T 23
W24	6 44 36	11°22'40	26°12'21	21°39'27	18°54'3	3°51'26	26°34'1	1° 9'9	10° 2'9	10° 2'9	21°47'24	23°48'24	23°27'24	26°49'9	4°18'3	W24
T 25	6 48 33	12°23'51	9 ¹¹ 57'23	23° 2'27	27°29'4	4°27'26	26°46'1	1°13'9	10° 3'9	10° 4'9	21°49'24	23°42'24	23°23'24	26°55'9	4°24'3	T 25
F 26	6 52 29	13°25'01	23°49'23	24°26'27	27° 1'5	5° 2'26	26°58'1	1°16'9	10° 3'9	10° 6'9	21°51'24	23°38'24	23°20'24	27° 2'9	4°31'3	F 26
S 27	6 56 26	14°26'11	7 ¹¹ 47'2	25°51'29	26°32'23	5°37'27	27°11'1	1°20'9	10° 4'9	10° 8'9	21°53'24	23°37'24	23°17'24	27° 9'9	4°37'3	S 27
S 28	7 0 23	15°27'19	21°50'2	27°17'26	26° 1'6	6°12'27	27°23'2	1°23'9	10° 5'9	10°10'9	21°55'24	23°37'24	23°14'24	27°15'9	4°43'3	S 28
M29	7 4 19	16°28'28	5 ¹¹ 57'3	28°44'25	25°28'6	6°47'27	27°36'2	1°27'9	10° 6'9	10°13'9	21°57'24	23°37'24	23°11'24	27°22'9	4°50'3	M29
T 30	7 8 16	17°29'35	20° 9'0	11°11'24	24°54'7	7°22'27	27°49'1	1°30'9	10° 7'9	10°15'9	21°59'24	23°35'24	23° 7'27	27°29'9	4°56'3	T 30
W31	7 12 12	18°30'42	4 ¹¹ 23'2	1 ¹¹ 39'23	24°39'1	7 ¹¹ 57'28	28°33'1	1 ¹¹ 34'10	10°Y 8'10	10°37'22	22°1'23	23°13'24	23°13'4	27°13'5	5°1'2	W31