



Astrodienst Ephemeris Tables for the year 1501

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 1501

geocentric

JANUARY 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7 18 45	20°12'33	11°11'4	0°25	3°22	16°1	23°46	28°R27	27°54	17°0	27°5	27°R30	25°44	0°6	23°R13	F 1
S 2	7 22 41	21°13'38	23°6	2°7	4°23	16°45	23°56	28°25	27°57	17°2	27°7	27°27	25°41	0°13	23°II10	S 2
S 3	7 26 38	22°14'42	5°2	3°48	5°24	17°28	24°6	28°23	28°0	17°4	27°8	27°21	25°37	0°20	23°6	S 3
M 4	7 30 34	23°15'46	16°56	5°29	6°26	18°11	24°16	28°21	28°3	17°7	27°10	27°13	25°34	0°26	23°3	M 4
T 5	7 34 31	24°16'48	28°48	7°10	7°28	18°54	24°27	28°19	28°6	17°9	27°11	27°2	25°31	0°33	23°0	T 5
W 6	7 38 28	25°17'50	10°40	8°50	8°30	19°38	24°37	28°18	28°9	17°11	27°13	26°50	25°28	0°40	22°57	W 6
T 7	7 42 24	26°18'52	22°33	10°29	9°33	20°21	24°48	28°16	28°12	17°13	27°14	26°38	25°25	0°46	22°53	T 7
F 8	7 46 21	27°19'52	4°30	12°7	10°36	21°5	24°59	28°15	28°15	17°16	27°16	26°27	25°22	0°53	22°50	F 8
S 9	7 50 17	28°20'52	16°31	13°44	11°39	21°48	25°10	28°14	28°18	17°18	27°17	26°17	25°18	1°0	22°47	S 9
S 10	7 54 14	29°21'52	28°41	15°18	12°43	22°32	25°21	28°12	28°21	17°20	27°19	26°10	25°15	1°7	22°44	S 10
M 11	7 58 10	0°22'50	11°1	16°51	13°47	23°15	25°32	28°11	28°24	17°22	27°20	26°6	25°12	1°13	22°42	M 11
T 12	8 2 7	1°23'48	23°37	18°20	14°51	23°59	25°43	28°10	28°28	17°25	27°21	26°4	25°9	1°20	22°39	T 12
W 13	8 6 3	2°24'45	6°32	19°47	15°55	24°42	25°54	28°10	28°31	17°27	27°23	26°D 4	25°6	1°27	22°36	W 13
T 14	8 10 0	3°25'42	19°50	21°9	17°0	25°26	26°6	28°9	28°34	17°29	27°24	26°R 4	25°3	1°33	22°33	T 14
F 15	8 13 57	4°26'37	3°36	22°27	18°5	26°10	26°17	28°8	28°37	17°31	27°25	26°4	24°59	1°40	22°31	F 15
S 16	8 17 53	5°27'33	17°49	23°40	19°10	26°53	26°29	28°8	28°40	17°34	27°26	26°2	24°56	1°47	22°28	S 16
S 17	8 21 50	6°28'27	2°29	24°46	20°16	27°37	26°40	28°8	28°44	17°36	27°27	25°58	24°53	1°54	22°26	S 17
M 18	8 25 46	7°29'20	17°32	25°46	21°22	28°21	26°52	28°7	28°47	17°38	27°29	25°51	24°50	2°0	22°23	M 18
T 19	8 29 43	8°30'13	2°50	26°38	22°28	29°5	27°4	28°7	28°50	17°40	27°30	25°41	24°47	2°7	22°21	T 19
W 20	8 33 39	9°31'04	18°11	27°21	23°34	29°48	27°16	28°D 7	28°54	17°42	27°31	25°30	24°43	2°14	22°19	W 20
T 21	8 37 36	10°31'53	3°23	27°56	24°40	0°32	27°28	28°7	28°57	17°44	27°32	25°19	24°40	2°20	22°16	T 21
F 22	8 41 33	11°32'41	18°17	28°20	25°47	1°16	27°40	28°8	29°0	17°46	27°33	25°9	24°37	2°27	22°14	F 22
S 23	8 45 29	12°33'28	2°44	28°34	26°53	2°0	27°52	28°8	29°4	17°49	27°34	25°1	24°34	2°34	22°12	S 23
S 24	8 49 26	13°34'13	16°41	28°R38	28°0	2°44	28°5	28°8	29°7	17°51	27°35	24°56	24°31	2°41	22°10	S 24
M 25	8 53 22	14°34'57	0°8	28°31	29°7	3°28	28°17	28°9	29°10	17°53	27°36	24°54	24°28	2°47	22°8	M 25
T 26	8 57 19	15°35'39	13°8	28°13	0°15	4°12	28°30	28°10	29°14	17°55	27°36	24°D53	24°24	2°54	22°7	T 26
W 27	9 1 15	16°36'19	25°45	27°45	1°22	4°56	28°42	28°10	29°17	17°57	27°37	24°R53	24°21	3°1	22°5	W 27
T 28	9 5 12	17°36'57	8°II 3	27°7	2°30	5°40	28°55	28°11	29°20	17°59	27°38	24°53	24°18	3°7	22°3	T 28
F 29	9 9 8	18°37'34	20°7	26°21	3°38	6°24	29°7	28°12	29°24	18°1	27°39	24°51	24°15	3°14	22°2	F 29
S 30	9 13 5	19°38'09	2°4	25°27	4°46	7°8	29°20	28°13	29°27	18°3	27°40	24°46	24°12	3°21	22°0	S 30
S 31	9 17 2	20°38'43	13°55	24°27	5°54	7°53	29°33	28°15	29°31	18°5	27°40	24°38	24°9	3°28	21°II59	S 31

Delta T = 289.47 sec

Julian Calendar 1 Jan. 1501 == Greg. Calendar 11 Jan. 1501

FEBRUARY 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	9 20 58	21°39'14	25°46	23°R22	7°2	8°37	29°46	28°16	29°34	18°7	27°41	24°R28	24°5	3°134	21°R58	M 1
T 2	9 24 55	22°39'44	7°13	22°16	8°10	9°21	29°59	28°17	29°37	18°9	27°42	24°14	24°2	3°41	21°II56	T 2
W 3	9 28 51	23°40'13	19°32	21°8	9°19	10°5	0°12	28°19	29°41	18°11	27°42	24°0	23°59	3°48	21°55	W 3
T 4	9 32 48	24°40'39	1°30	20°1	10°27	10°50	0°25	28°21	29°44	18°13	27°43	23°45	23°56	3°54	21°54	T 4
F 5	9 36 44	25°41'04	13°34	18°57	11°36	11°34	0°38	28°23	29°48	18°15	27°43	23°31	23°53	4°1	21°53	F 5
S 6	9 40 41	26°41'28	25°45	17°56	12°45	12°18	0°51	28°24	29°51	18°17	27°44	23°19	23°49	4°8	21°52	S 6
S 7	9 44 37	27°41'50	8°1	17°1	13°54	13°3	1°4	28°26	29°55	18°19	27°44	23°9	23°46	4°15	21°51	S 7
M 8	9 48 34	28°42'10	20°32	16°11	15°3	13°47	1°18	28°29	29°58	18°20	27°45	23°3	23°43	4°21	21°51	M 8
T 9	9 52 30	29°42'29	3°12	15°28	16°12	14°31	1°31	28°31	0°2	18°22	27°45	23°0	23°40	4°28	21°50	T 9
W 10	9 56 27	0°42'46	16°8	14°52	17°22	15°16	1°45	28°33	0°5	18°24	27°45	22°59	23°37	4°35	21°49	W 10
T 11	10 0 24	1°43'02	29°22	14°23	18°31	16°0	1°58	28°36	0°9	18°26	27°46	22°59	23°34	4°41	21°49	T 11
F 12	10 4 20	2°43'16	12°58	14°1	19°41	16°45	2°12	28°38	0°12	18°28	27°46	22°58	23°30	4°48	21°49	F 12
S 13	10 8 17	3°43'30	26°58	13°46	20°50	17°29	2°25	28°41	0°15	18°29	27°46	22°57	23°27	4°55	21°48	S 13
S 14	10 12 13	4°43'41	11°22	13°39	22°0	18°14	2°39	28°44	0°19	18°31	27°46	22°53	23°24	5°2	21°48	S 14
M 15	10 16 10	5°43'51	26°7	13°D38	23°10	18°59	2°53	28°46	0°22	18°33	27°47	22°46	23°21	5°8	21°48	M 15
T 16	10 20 6	6°43'59	11°9	13°43	24°20	19°43	3°6	28°49	0°26	18°34	27°47	22°37	23°18	5°15	21°D48	T 16
W 17	10 24 3	7°44'06	26°18	13°54	25°30	20°28	3°20	28°52	0°29	18°36	27°47	22°26	23°15	5°22	21°48	W 17
T 18	10 28 0	8°44'11	11°24	14°11	26°40	21°13	3°34	28°56	0°33	18°38	27°47	22°15	23°11	5°28	21°48	T 18
F 19	10 31 56	9°44'13	26°17	14°33	27°50	21°57	3°48	28°59	0°36	18°39	27°R47	22°5	23°8	5°35	21°48	F 19
S 20	10 35 53	10°44'14	10°48	15°1	29°0	22°42	4°2	29°2	0°39	18°41	27°47	21°57	23°5	5°42	21°49	S 20
S 21	10 39 49	11°44'12	24°52	15°33	0°11	23°27	4°16	29°6	0°43	18°42	27°47	21°51	23°2	5°49	21°49	S 21
M 22	10 43 46	12°44'09	8°27	16°9	1°21	24°11	4°30	29°9	0°46	18°44	27°47	21°48	22°59	5°55	21°50	M 22
T 23	10 47 42	13°44'03	21°33	16°50	2°32	24°56	4°44	29°13	0°50	18°46	27°47	21°D48	22°55	6°2	21°50	T 23
W 24	10 51 39	14°43'55	4°II15	17°34	3°42	25°41	4°58	29°17	0°53	18°47	27°47	21°48	22°52	6°9	21°51	W 24
T 25	10 55 35	15°43'45	16°37	18°22	4°53	26°26	5°12	29°21	0°56	18°48	27°46	21°R48	22°49	6°15	21°52	T 25
F 26	10 59 32	16°43'33	28°43	19°13	6°3	27°11	5°26	29°24	1°0	18°50	27°46	21°47	22°46	6°22	21°52	F 26
S 27	11 3 28	17°43'18	10°39	20°8	7°14	27°56	5°40	29°29	1°3	18°51	27°46	21°45	22°43	6°29	21°53	S 27
S 28	11 7 25	18°43'01	22°30	21°5	8°25	28°40	5°54	29°33	1°7	18°53	27°46	21°39	22°40	6°36	21°II54	S 28

Delta T = 289.29 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1501

geocentric

MARCH 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 11 22	19°42'42	4°21	22°55	9°36	29°25	6°18	29°37	1°10	18°54	27°45	21°R32	22°36	6°42	21°55	M 1
T 2	11 15 18	20°42'20	16°14	23°08	10°47	0°10	6°22	29°41	1°13	18°55	27°44	21°R22	22°33	6°49	21°57	T 2
W 3	11 19 15	21°41'57	28°12	24°13	11°58	0°55	6°37	29°46	1°16	18°57	27°45	21°11	22°30	6°56	21°58	W 3
T 4	11 23 11	22°41'31	10°18	25°20	13°09	1°40	6°51	29°50	1°20	18°58	27°44	20°59	22°27	7°02	21°59	T 4
F 5	11 27 08	23°41'03	22°33	26°30	14°20	2°25	7°05	29°55	1°23	18°59	27°44	20°49	22°24	7°09	22°01	F 5
S 6	11 31 04	24°40'33	4°56	27°42	15°31	3°10	7°20	29°59	1°26	19°00	27°43	20°39	22°20	7°16	22°02	S 6
S 7	11 35 01	25°40'01	17°30	28°56	16°42	3°55	7°34	0°11	1°29	19°01	27°43	20°32	22°17	7°23	22°04	S 7
M 8	11 38 57	26°39'27	0°14	0°12	17°53	4°40	7°48	0°09	1°33	19°03	27°42	20°28	22°14	7°29	22°05	M 8
T 9	11 42 54	27°38'51	13°10	1°29	19°04	5°25	8°03	0°14	1°36	19°04	27°42	20°26	22°11	7°36	22°07	T 9
W10	11 46 51	28°38'14	26°18	2°49	20°16	6°10	8°17	0°19	1°39	19°05	27°41	20°D26	22°08	7°43	22°09	W10
T 11	11 50 47	29°37'34	9°40	4°10	21°27	6°55	8°31	0°24	1°42	19°06	27°41	20°27	22°05	7°49	22°11	T 11
F 12	11 54 44	0°36'53	23°18	5°33	22°38	7°40	8°46	0°29	1°45	19°07	27°40	20°28	22°01	7°56	22°13	F 12
S 13	11 58 40	1°36'10	7°12	6°58	23°50	8°25	9°00	0°34	1°48	19°08	27°39	20°R28	21°58	8°03	22°15	S 13
S 14	12 02 37	2°35'26	21°23	8°24	25°01	9°10	9°15	0°39	1°52	19°09	27°38	20°26	21°55	8°10	22°17	S 14
M15	12 06 33	3°34'39	5°50	9°52	26°13	9°56	9°29	0°45	1°55	19°10	27°38	20°23	21°52	8°16	22°20	M15
T 16	12 10 30	4°33'51	20°28	11°21	27°25	10°41	9°43	0°50	1°58	19°11	27°37	20°17	21°49	8°23	22°22	T 16
W17	12 14 26	5°33'01	5°13	12°52	28°36	11°26	9°58	0°56	2°01	19°12	27°36	20°11	21°46	8°30	22°24	W17
T 18	12 18 23	6°32'09	19°56	14°24	29°48	12°11	10°12	1°01	2°04	19°12	27°35	20°04	21°42	8°37	22°27	T 18
F 19	12 22 20	7°31'14	4°30	15°58	0°59	12°56	10°27	1°07	2°07	19°13	27°34	19°57	21°39	8°43	22°29	F 19
S 20	12 26 16	8°30'18	18°49	17°34	2°11	13°41	10°41	1°13	2°10	19°14	27°33	19°52	21°36	8°50	22°32	S 20
S 21	12 30 13	9°29'20	2°46	19°10	3°23	14°26	10°56	1°18	2°13	19°15	27°33	19°49	21°33	8°57	22°35	S 21
M22	12 34 09	10°28'20	16°19	20°49	4°35	15°12	11°10	1°24	2°15	19°15	27°32	19°D48	21°30	9°03	22°38	M22
T 23	12 38 06	11°27'17	29°27	22°29	5°47	15°57	11°25	1°30	2°18	19°16	27°31	19°48	21°26	9°10	22°40	T 23
W24	12 42 02	12°26'12	12°13	24°10	6°58	16°42	11°39	1°36	2°21	19°17	27°30	19°49	21°23	9°17	22°43	W24
T 25	12 45 59	13°25'05	24°38	25°53	8°10	17°27	11°54	1°42	2°24	19°17	27°29	19°51	21°20	9°24	22°46	T 25
F 26	12 49 55	14°23'56	6°48	27°37	9°22	18°12	12°08	1°48	2°27	19°18	27°27	19°52	21°17	9°30	22°50	F 26
S 27	12 53 52	15°22'45	18°48	29°23	10°34	18°57	12°23	1°55	2°30	19°18	27°26	19°R52	21°14	9°37	22°53	S 27
S 28	12 57 49	16°21'31	0°41	1°11	11°46	19°43	12°37	2°01	2°32	19°19	27°25	19°51	21°11	9°44	22°56	S 28
M29	13 01 45	17°20'15	12°33	3°00	12°58	20°28	12°52	2°07	2°35	19°19	27°24	19°49	21°07	9°50	22°59	M29
T 30	13 05 42	18°18'56	24°28	4°51	14°10	21°13	13°06	2°14	2°38	19°20	27°23	19°45	21°04	9°57	23°03	T 30
W31	13 09 38	19°17'35	6°31	6°43	15°22	21°58	13°20	2°11	2°40	19°20	27°22	19°40	21°01	10°04	23°06	W31

Delta T = 289.12 sec

Julian Calendar 1 March 1501 == Greg. Calendar 11 March 1501

APRIL 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 13 35	20°16'13	18°43	8°36	16°34	22°43	13°35	2°11	2°43	19°21	27°R21	19°R35	20°58	10°11	23°10	T 1
F 2	13 17 31	21°14'48	1°14	10°32	17°46	23°29	13°49	2°33	2°45	19°21	27°R19	19°R30	20°55	10°17	23°13	F 2
S 3	13 21 28	22°13'21	13°44	12°28	18°58	24°14	14°04	2°40	2°48	19°21	27°18	19°26	20°52	10°24	23°17	S 3
S 4	13 25 24	23°11'52	26°35	14°27	20°10	24°59	14°18	2°46	2°50	19°22	27°17	19°23	20°48	10°31	23°20	S 4
M 5	13 29 21	24°10'21	9°40	16°27	21°22	25°44	14°32	2°53	2°53	19°22	27°16	19°21	20°45	10°37	23°24	M 5
T 6	13 33 17	25°08'48	22°59	18°28	22°34	26°29	14°47	3°00	2°55	19°22	27°14	19°D21	20°42	10°44	23°28	T 6
W 7	13 37 14	26°07'14	6°19	20°31	23°47	27°14	15°01	3°06	2°58	19°22	27°13	19°22	20°39	10°51	23°32	W 7
T 8	13 41 11	27°05'38	20°11	22°35	24°59	28°00	15°15	3°13	3°00	19°22	27°12	19°23	20°36	10°58	23°36	T 8
F 9	13 45 07	28°04'00	4°33	24°40	26°11	28°45	15°29	3°20	3°02	19°23	27°10	19°25	20°32	11°04	23°40	F 9
S 10	13 49 04	29°02'21	18°05	26°46	27°23	29°30	15°44	3°27	3°05	19°23	27°09	19°26	20°29	11°11	23°44	S 10
S 11	13 53 00	0°04'00	2°14	28°54	28°35	0°15	15°58	3°34	3°07	19°23	27°07	19°R26	20°26	11°18	23°48	S 11
M12	13 56 57	0°58'58	16°30	1°18	29°48	1°00	16°12	3°41	3°09	19°R23	27°06	19°25	20°23	11°25	23°52	M12
T 13	14 00 53	1°57'14	0°49	3°11	1°19	1°45	16°26	3°48	3°11	19°23	27°05	19°24	20°20	11°31	23°57	T 13
W14	14 04 50	2°55'29	15°07	5°20	2°12	2°30	16°41	3°55	3°13	19°23	27°03	19°22	20°17	11°38	24°01	W14
T 15	14 08 46	3°53'42	29°22	7°30	3°25	3°16	16°55	4°02	3°16	19°23	27°02	19°20	20°13	11°45	24°05	T 15
F 16	14 12 43	4°51'53	13°28	9°39	4°37	4°01	17°09	4°09	3°18	19°22	27°00	19°18	20°10	11°51	24°10	F 16
S 17	14 16 40	5°50'03	27°22	11°48	5°49	4°46	17°23	4°17	3°20	19°22	26°59	19°17	20°07	11°58	24°14	S 17
S 18	14 20 36	6°48'11	11°18	13°56	7°02	5°31	17°37	4°24	3°22	19°22	26°57	19°16	20°04	12°05	24°19	S 18
M19	14 24 33	7°46'18	24°20	16°04	8°14	6°16	17°51	4°31	3°23	19°22	26°56	19°D16	20°01	12°12	24°23	M19
T 20	14 28 29	8°44'22	7°11	18°10	9°27	7°01	18°05	4°38	3°25	19°22	26°54	19°16	19°57	12°18	24°28	T 20
W21	14 32 26	9°42'25	20°03	20°14	10°39	7°46	18°19	4°46	3°27	19°21	26°53	19°17	19°54	12°25	24°33	W21
T 22	14 36 22	10°40'27	22°17	11°51	8°31	18°33	18°33	4°53	3°29	19°21	26°51	19°18	19°51	12°32	24°37	T 22
F 23	14 40 19	11°38'26	14°40	24°17	13°04	9°16	18°47	5°01	3°31	19°21	26°49	19°19	19°48	12°39	24°42	F 23
S 24	14 44 15	12°36'23	26°41	26°16	14°16	10°01	19°00	5°08	3°33	19°20	26°48	19°19	19°45	12°45	24°47	S 24
S 25	14 48 12	13°34'19	8°36	28°11	15°29	10°46	19°14	5°16	3°34	19°20	26°46	19°R20	19°42	12°52	24°52	S 25
M26	14 52 09	14°32'13	20°29	0°11	16°41	11°30	19°28	5°23	3°36	19°20	26°45	19°20	19°38	12°59	24°57	M26
T 27	14 56 05	15°30'05	2°19	1°55	17°54	12°15	19°42	5°31	3°37	19°19	26°43	19°19	19°35	13°05	25°02	T 27
W28	15 00 02	16°27'55	14°29	3°42	19°06	13°00	19°55	5°38	3°39	19°19	26°41	19°19	19°32	13°12	25°07	W28
T 29	15 03 58	17°25'43	26°45	5°26	20°19	13°45	20°09	5°46	3°41	19°18	26°40	19°19	19°29	13°19	25°12	T 29
F 30	15 07 55	18°23'30	9°15	7°11	21°31	14°30	20°23	5°53	3°42	19°18	26°38	19°19	19°26	13°26	25°17	F 30

Delta T = 288.94 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1501

geocentric

MAY 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 11 51	19°8'21"15	22°2'2	8°II45	22°V44	15°H14	20°V36	6°II 1	3°H43	19°R17	26°R37	19°D19	19°8'23	13°Ω32	25°II22	S 1
S 2	15 15 48	20°18'59	5°III 8	10°19	23°56	15°59	20°50	6° 9	3°45	19°Z16	26°III35	19°8'19	19°19	13°39	25°27	S 2
M 3	15 19 44	21°16'41	18°33	11°50	25° 9	16°44	21° 3	6°16	3°46	19°16	26°33	19°R19	19°16	13°46	25°33	M 3
T 4	15 23 41	22°14'22	2°X15	13°18	26°21	17°28	21°16	6°24	3°47	19°15	26°32	19°19	19°13	13°52	25°38	T 4
W 5	15 27 38	23°12'02	16°13	14°42	27°34	18°13	21°30	6°32	3°49	19°14	26°30	19°19	19°10	13°59	25°43	W 5
T 6	15 31 34	24° 9'40	0°Z22	16° 2	28°47	18°58	21°43	6°39	3°50	19°14	26°28	19°18	19° 7	14° 6	25°48	T 6
F 7	15 35 31	25° 7'17	14°38	17°19	29°59	19°42	21°56	6°47	3°51	19°13	26°27	19°17	19° 3	14°13	25°54	F 7
S 8	15 39 27	26° 4'54	28°58	18°33	1°8'12	20°27	22° 9	6°55	3°52	19°12	26°25	19°17	19° 0	14°19	25°59	S 8
S 9	15 43 24	27° 2'29	13°X18	19°43	2°25	21°11	22°23	7° 3	3°53	19°11	26°23	19°16	18°57	14°26	26° 5	S 9
M10	15 47 20	28° 0'04	27°34	20°49	3°37	21°56	22°36	7°10	3°54	19°10	26°22	19°D16	18°54	14°33	26°10	M10
T 11	15 51 17	28°57'37	11°H43	21°51	4°50	22°40	22°49	7°18	3°55	19°10	26°20	19°16	18°51	14°40	26°16	T 11
W12	15 55 14	29°55'10	25°44	22°50	6° 3	23°24	23° 1	7°26	3°56	19° 9	26°18	19°17	18°48	14°46	26°21	W12
T 13	15 59 10	0°II52'41	9°V34	23°44	7°15	24° 9	23°14	7°34	3°57	19° 8	26°17	19°18	18°44	14°53	26°27	T 13
F 14	16 3 7	1°50'12	23°13	24°35	8°28	24°53	23°27	7°42	3°58	19° 7	26°15	19°19	18°41	15° 0	26°32	F 14
S 15	16 7 3	2°47'42	6°8'40	25°21	9°41	25°37	23°40	7°49	3°58	19° 6	26°14	19°20	18°38	15° 6	26°38	S 15
S 16	16 11 0	3°45'11	19°54	26° 3	10°54	26°21	23°53	7°57	3°59	19° 5	26°12	19°R20	18°35	15°13	26°44	S 16
M17	16 14 56	4°42'39	2°II54	26°42	12° 6	27° 5	24° 5	8° 5	4° 0	19° 4	26°10	19°19	18°32	15°20	26°49	M17
T 18	16 18 53	5°40'07	15°40	27°15	13°19	27°50	24°18	8°13	4° 0	19° 3	26° 9	19°18	18°29	15°27	26°55	T 18
W19	16 22 49	6°37'33	28°12	27°45	14°32	28°34	24°30	8°21	4° 1	19° 2	26° 7	19°16	18°25	15°33	27° 1	W19
T 20	16 26 46	7°34'58	10°Z31	28°10	15°45	29°17	24°43	8°29	4° 1	19° 1	26° 5	19°14	18°22	15°40	27° 7	T 20
F 21	16 30 43	8°32'23	22°40	28°30	16°58	0°V 1	24°55	8°36	4° 2	18°59	26° 4	19°11	18°19	15°47	27°12	F 21
S 22	16 34 39	9°29'46	4°Ω39	28°46	18°10	0°45	25° 7	8°44	4° 2	18°58	26° 2	19° 8	18°16	15°54	27°18	S 22
S 23	16 38 36	10°27'08	16°34	28°58	19°23	1°29	25°19	8°52	4° 3	18°57	26° 1	19° 5	18°13	16° 0	27°24	S 23
M24	16 42 32	11°24'29	28°27	29° 4	20°36	2°13	25°31	9° 0	4° 3	18°56	25°59	19° 4	18° 9	16° 7	27°30	M24
T 25	16 46 29	12°21'49	10°II22	29°R 7	21°49	2°56	25°43	9° 8	4° 3	18°55	25°57	19°D 3	18° 6	16°14	27°36	T 25
W26	16 50 25	13°19'08	22°25	29° 4	23° 2	3°40	25°55	9°16	4° 4	18°54	25°56	19° 3	18° 3	16°20	27°42	W26
T 27	16 54 22	14°16'26	4°Ω39	28°57	24°15	4°23	26° 7	9°23	4° 4	18°52	25°54	19° 5	18° 0	16°27	27°48	T 27
F 28	16 58 18	15°13'42	17°10	28°46	25°28	5° 7	26°19	9°31	4° 4	18°51	25°53	19° 6	17°57	16°34	27°53	F 28
S 29	17 2 15	16°10'59	0°III 1	28°31	26°41	5°50	26°31	9°39	4° 4	18°50	25°51	19° 8	17°54	16°41	27°59	S 29
S 30	17 6 12	17° 8'14	13°15	28°12	27°53	6°34	26°42	9°47	4°R 4	18°48	25°50	19°R 9	17°50	16°47	28° 5	S 30
M31	17 10 8	18°II 5'28	26°III53	27°II50	29°8 6	7°V17	26°V54	9°II55	4°H 4	18°Z47	25°III48	19°8 8	17°8'47	16°Ω54	28°II11	M31

Delta T = 288.76 sec

Julian Calendar 1 May 1501 == Greg. Calendar 11 May 1501

JUNE 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 14 5	19°II 2'42	10°X54	27°R24	0°II19	8°V 0	27°V 5	10°II 2	4°R 4	18°R46	25°R47	19°R 7	17°8'44	17°Ω 1	28°II17	T 1
W 2	17 18 1	19°59'56	25°15	26°II56	1°32	8°43	27°17	10°10	4°H 4	18°Z44	25°III45	19°8 4	17°41	17° 7	28°23	W 2
T 3	17 21 58	20°57'09	9°Z52	26°25	2°45	9°26	27°28	10°18	4° 4	18°43	25°44	19° 0	17°38	17°14	28°29	T 3
F 4	17 25 54	21°54'22	24°36	25°52	3°58	10° 9	27°39	10°26	4° 3	18°42	25°42	18°56	17°35	17°21	28°35	F 4
S 5	17 29 51	22°51'34	9°X20	25°18	5°11	10°52	27°50	10°33	4° 3	18°40	25°41	18°51	17°31	17°28	28°41	S 5
S 6	17 33 47	23°48'46	23°58	24°43	6°24	11°35	28° 1	10°41	4° 3	18°39	25°40	18°47	17°28	17°34	28°47	S 6
M 7	17 37 44	24°45'58	8°H42	24° 8	7°38	12°18	28°12	10°49	4° 3	18°37	25°38	18°45	17°25	17°41	28°53	M 7
T 8	17 41 41	25°43'10	22°35	23°34	8°51	13° 0	28°23	10°57	4° 2	18°36	25°37	18°D44	17°22	17°48	28°59	T 8
W 9	17 45 37	26°40'22	6°V28	23° 1	10° 4	13°43	28°33	11° 4	4° 2	18°35	25°35	18°44	17°19	17°55	29° 5	W 9
T 10	17 49 34	27°37'34	20° 5	22°29	11°17	14°25	28°44	11°12	4° 1	18°33	25°34	18°45	17°15	18° 1	29°11	T 10
F 11	17 53 30	28°34'46	3°8'24	22° 0	12°30	15° 8	28°54	11°20	4° 1	18°32	25°33	18°47	17°12	18° 8	29°18	F 11
S 12	17 57 27	29°31'58	16°29	21°33	13°43	15°50	29° 5	11°27	4° 0	18°30	25°32	18°R47	17° 9	18°15	29°24	S 12
S 13	18 1 23	0°Z29'10	29°21	21° 9	14°56	16°32	29°15	11°35	3°59	18°29	25°30	18°47	17° 6	18°21	29°30	S 13
M14	18 5 20	1°26'22	12°II 1	20°49	16°10	17°15	29°25	11°42	3°59	18°27	25°29	18°44	17° 3	18°28	29°36	M14
T 15	18 9 16	2°23'34	24°30	20°33	17°23	17°57	29°35	11°50	3°58	18°25	25°28	18°40	17° 0	18°35	29°42	T 15
W16	18 13 13	3°20'46	6°Z49	20°21	18°36	18°39	29°45	11°57	3°57	18°24	25°27	18°34	16°56	18°42	29°48	W16
T 17	18 17 10	4°17'59	18°59	20°14	19°49	19°20	29°55	12° 5	3°56	18°22	25°25	18°26	16°53	18°48	29°54	T 17
F 18	18 21 6	5°15'11	1°Ω 1	20°D11	21° 3	20° 2	0°8 5	12°12	3°56	18°21	25°24	18°17	16°50	18°55	29°59	F 18
S 19	18 25 3	6°12'22	12°58	20°13	22°16	20°44	0°14	12°20	3°55	18°19	25°23	18° 9	16°47	19° 2	0°8 6	S 19
S 20	18 28 59	7° 9'34	24°50	20°20	23°29	21°25	0°24	12°27	3°54	18°18	25°22	18° 1	16°44	19° 9	0°12	S 20
M21	18 32 56	8° 6'46	6°II42	20°33	24°43	22° 7	0°33	12°34	3°53	18°16	25°21	17°55	16°41	19°15	0°18	M21
T 22	18 36 52	9° 3'57	18°35	20°50	25°56	22°48	0°42	12°42	3°52	18°14	25°20	17°50	16°37	19°22	0°24	T 22
W23	18 40 49	10° 1'08	0°Ω36	21°13	27° 9	23°29	0°51	12°49	3°51	18°13	25°19	17°48	16°34	19°29	0°30	W23
T 24	18 44 45	10°58'20	12°48	21°40	28°23	24°10	1° 0	12°56	3°50	18°11	25°18	17°D48	16°31	19°35	0°36	T 24
F 25	18 48 42	11°55'31	25°15	22°13	29°36	24°51	1° 9	13° 4	3°48	18°10	25°17	17°48	16°28	19°42	0°42	F 25
S 26	18 52 39	12°52'42	8°III 4	22°52	0°Z50	25°32	1°18	13°11	3°47	18° 8	25°16	17°49	16°25	19°49	0°48	S 26
S 27	18 56 35	13°49'54	21°18	23°35	2° 3	26°13	1°26	13°18	3°46	18° 6	25°15	17°R50	16°21	19°56	0°54	S 27
M28	19 0 32	14°47'05	4°X59	24°23	3°17	26°53	1°35	13°25	3°45	18° 5	25°14	17°48	16°18	20° 2	1° 0	M28
T 29	19 4 28	15°44'17	19° 8	25°16	4°30	27°34	1°43	13°32	3°43	18° 3	25°13	17°45	16°15	20° 9	1° 6	T 29
W30	19 8 25	16°41'29	3°Z43	26°II14	5°Z44	28°V14	1°8'51	13°II39	3°H42	18°Z 2	25°III12	17°8'39	16°8'12	20°Ω16	1°Z12	W30

Delta T = 288.57 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1501
geocentric

JULY 1501 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 12 21	17°38'41	18°38	27°11	6°57	28°54	18°59	13°46	3°R41	18°R 0	25°R11	17°R32	16°R 9	20°R23	1°R18	T 1
F 2	19 16 18	18°35'54	3°44	28°25	8°11	29°34	2° 7	13°53	3°R39	17°R58	25°R10	17°R23	16° 6	20°29	1°24	F 2
S 3	19 20 15	19°33'07	18°52	29°38	9°24	0°14	2°15	14° 0	3°38	17°57	25°10	17°14	16° 2	20°36	1°30	S 3
S 4	19 24 11	20°30'21	3°51	0°55	10°38	0°54	2°23	14° 7	3°36	17°55	25° 9	17° 6	15°59	20°43	1°36	S 4
M 5	19 28 8	21°27'35	18°33	2°17	11°51	1°34	2°30	14°14	3°35	17°53	25° 8	17° 0	15°56	20°49	1°41	M 5
T 6	19 32 4	22°24'50	2°Y54	3°43	13° 5	2°13	2°37	14°20	3°33	17°52	25° 8	16°57	15°53	20°56	1°47	T 6
W 7	19 36 1	23°22'07	16°50	5°14	14°19	2°53	2°45	14°27	3°31	17°50	25° 7	16°55	15°50	21° 3	1°53	W 7
T 8	19 39 57	24°19'24	0°R22	6°49	15°33	3°32	2°52	14°34	3°30	17°49	25° 6	16°D55	15°47	21°10	1°59	T 8
F 9	19 43 54	25°16'42	13°33	8°27	16°46	4°11	2°58	14°41	3°28	17°47	25° 6	16°R55	15°43	21°16	2° 5	F 9
S 10	19 47 50	26°14'01	26°25	10°10	18° 0	4°50	3° 5	14°47	3°26	17°45	25° 5	16°55	15°40	21°23	2°10	S 10
S 11	19 51 47	27°11'21	9°II 2	11°56	19°14	5°29	3°12	14°54	3°25	17°44	25° 4	16°53	15°37	21°30	2°16	S 11
M12	19 55 44	28° 8'43	21°26	13°45	20°28	6° 8	3°18	15° 0	3°23	17°42	25° 4	16°49	15°34	21°36	2°22	M12
T 13	19 59 40	29° 6'05	3°R41	15°38	21°41	6°46	3°24	15° 6	3°21	17°41	25° 4	16°41	15°31	21°43	2°28	T 13
W14	20 3 37	0°R 3'28	15°48	17°33	22°55	7°25	3°31	15°13	3°19	17°39	25° 3	16°31	15°27	21°50	2°33	W14
T 15	20 7 33	1° 0'52	27°49	19°30	24° 9	8° 3	3°37	15°19	3°17	17°37	25° 3	16°19	15°24	21°57	2°39	T 15
F 16	20 11 30	1°58'17	9°R46	21°29	25°23	8°41	3°42	15°25	3°15	17°36	25° 2	16° 6	15°21	22° 3	2°44	F 16
S 17	20 15 26	2°55'43	21°39	23°31	26°37	9°19	3°48	15°32	3°13	17°34	25° 2	15°53	15°18	22°10	2°50	S 17
S 18	20 19 23	3°53'09	3°R30	25°33	27°51	9°56	3°53	15°38	3°11	17°33	25° 2	15°40	15°15	22°17	2°56	S 18
M19	20 23 19	4°50'36	15°21	27°36	29° 5	10°34	3°59	15°44	3° 9	17°31	25° 1	15°30	15°12	22°24	3° 1	M19
T 20	20 27 16	5°48'05	27°15	29°41	0°R19	11°11	4° 4	15°50	3° 7	17°30	25° 1	15°22	15° 8	22°30	3° 7	T 20
W21	20 31 13	6°45'34	9°R15	1°R45	1°33	11°48	4° 9	15°56	3° 5	17°28	25° 1	15°17	15° 5	22°37	3°12	W21
T 22	20 35 9	7°43'03	21°26	3°49	2°47	12°25	4°13	16° 2	3° 3	17°27	25° 1	15°15	15° 2	22°44	3°17	T 22
F 23	20 39 6	8°40'34	3°R51	5°54	4° 1	13° 2	4°18	16° 7	3° 1	17°25	25° 0	15°14	14°59	22°50	3°23	F 23
S 24	20 43 2	9°38'06	16°35	7°57	5°15	13°38	4°22	16°13	2°59	17°24	25° 0	15°14	14°56	22°57	3°28	S 24
S 25	20 46 59	10°35'38	29°44	10° 1	6°29	14°14	4°27	16°19	2°57	17°22	25° 0	15°13	14°53	23° 4	3°33	S 25
M26	20 50 55	11°33'11	13°R20	12° 3	7°43	14°50	4°31	16°24	2°55	17°21	25° 0	15°11	14°49	23°11	3°39	M26
T 27	20 54 52	12°30'46	27°26	14° 4	8°57	15°26	4°35	16°30	2°52	17°19	25°D 0	15° 7	14°46	23°17	3°44	T 27
W28	20 58 48	13°28'21	12°R 1	16° 5	10°11	16° 2	4°38	16°35	2°50	17°18	25° 0	15° 0	14°43	23°24	3°49	W28
T 29	21 2 45	14°25'57	27° 0	18° 4	11°25	16°37	4°42	16°41	2°48	17°17	25° 0	14°51	14°40	23°31	3°54	T 29
F 30	21 6 42	15°23'35	12°R15	20° 2	12°39	17°13	4°45	16°46	2°46	17°15	25° 0	14°41	14°37	23°37	3°59	F 30
S 31	21 10 38	16°R21'14	27°R36	21°R59	13°R54	17°R48	4°R48	16°R51	2°R44	17°R14	25°R 0	14°R30	14°R33	23°R44	4°R 4	S 31

Delta T = 288.40 sec

Julian Calendar 1 July 1501 == Greg. Calendar 11 July 1501

AUGUST 1501 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 14 35	17°R18'54	12°R49	23°R54	15°R 8	18°R23	4°R51	16°R57	2°R41	17°R12	25°R 0	14°R20	14°R30	23°R51	4°R 9	S 1
M 2	21 18 31	18°16'35	27°46	25°48	16°22	18°57	4°54	17° 2	2°R39	17°R11	25° 1	14°R12	14°27	23°58	4°14	M 2
T 3	21 22 28	19°14'19	12°Y19	27°41	17°36	19°31	4°57	17° 7	2°37	17°10	25° 1	14° 7	14°24	24° 4	4°19	T 3
W 4	21 26 24	20°12'03	26°25	29°32	18°50	20° 6	4°59	17°12	2°34	17° 8	25° 1	14° 5	14°21	24°11	4°24	W 4
T 5	21 30 21	21° 9'50	10°R 2	1°R22	20° 5	20°39	5° 1	17°17	2°32	17° 7	25° 1	14°D 4	14°18	24°18	4°29	T 5
F 6	21 34 17	22° 7'38	23°13	3°10	21°19	21°13	5° 3	17°21	2°30	17° 6	25° 2	14°R 4	14°14	24°25	4°33	F 6
S 7	21 38 14	23° 5'28	6°II 2	4°58	22°33	21°46	5° 5	17°26	2°27	17° 5	25° 2	14° 4	14°11	24°31	4°38	S 7
S 8	21 42 11	24° 3'20	18°32	6°43	23°48	22°19	5° 7	17°31	2°25	17° 3	25° 2	14° 2	14° 8	24°38	4°43	S 8
M 9	21 46 7	25° 1'14	0°R49	8°28	25° 2	22°52	5° 8	17°35	2°23	17° 2	25° 3	13°57	14° 5	24°45	4°47	M 9
T 10	21 50 4	25°59'10	12°55	10°11	26°16	23°25	5° 9	17°40	2°20	17° 1	25° 3	13°50	14° 2	24°51	4°52	T 10
W11	21 54 0	26°57'07	24°54	11°53	27°31	23°57	5°10	17°44	2°18	17° 0	25° 4	13°40	13°59	24°58	4°57	W11
T 12	21 57 57	27°55'06	6°R49	13°33	28°45	24°29	5°11	17°48	2°15	16°59	25° 4	13°28	13°55	25° 5	5° 1	T 12
F 13	22 1 53	28°53'07	18°42	15°12	29°59	25° 1	5°12	17°53	2°13	16°58	25° 5	13°15	13°52	25°12	5° 5	F 13
S 14	22 5 50	29°51'09	0°R33	16°50	1°R14	25°32	5°12	17°57	2°11	16°57	25° 5	13° 1	13°49	25°18	5°10	S 14
S 15	22 9 46	0°R49'13	12°26	18°27	2°28	26° 3	5°12	18° 1	2° 8	16°56	25° 6	12°49	13°46	25°25	5°14	S 15
M16	22 13 43	1°47'18	24°20	20° 2	3°43	26°34	5°R12	18° 5	2° 6	16°54	25° 7	12°38	13°43	25°32	5°18	M16
T 17	22 17 40	2°45'25	6°R19	21°36	4°57	27° 4	5°12	18° 8	2° 4	16°53	25° 7	12°30	13°39	25°38	5°22	T 17
W18	22 21 36	3°43'34	18°23	23° 9	6°12	27°34	5°12	18°12	2° 1	16°52	25° 8	12°25	13°36	25°45	5°26	W18
T 19	22 25 33	4°41'44	0°R38	24°41	7°26	28° 4	5°11	18°16	1°59	16°52	25° 9	12°22	13°33	25°52	5°30	T 19
F 20	22 29 29	5°39'56	13° 4	26°11	8°41	28°34	5°10	18°19	1°56	16°51	25°10	12°D22	13°30	25°59	5°34	F 20
S 21	22 33 26	6°38'09	25°48	27°40	9°55	29° 3	5° 9	18°23	1°54	16°50	25°10	12°22	13°27	26° 5	5°38	S 21
S 22	22 37 22	7°36'24	8°R53	29° 8	11°10	29°31	5° 8	18°26	1°52	16°49	25°11	12°R22	13°24	26°12	5°42	S 22
M23	22 41 19	8°34'40	22°23	0°R35	12°25	29°59	5° 7	18°30	1°49	16°48	25°12	12°22	13°20	26°19	5°46	M23
T 24	22 45 15	9°32'58	6°R19	2° 0	13°39	0°R28	5° 5	18°33	1°47	16°47	25°13	12°19	13°17	26°26	5°50	T 24
W25	22 49 12	10°31'18	20°43	3°24	14°54	0°56	5° 3	18°36	1°44	16°46	25°14	12°14	13°14	26°32	5°53	W25
T 26	22 53 9	11°29'39	5°R32	4°47	16° 8	1°23	5° 1	18°39	1°42	16°46	25°15	12° 7	13°11	26°39	5°57	T 26
F 27	22 57 5	12°28'02	20°39	6° 8	17°23	1°50	4°59	18°42	1°40	16°45	25°16	11°58	13° 8	26°46	6° 1	F 27
S 28	23 1 2	13°26'26	5°R55	7°28	18°37	2°16	4°57	18°45	1°37	16°44	25°17	11°49	13° 5	26°52	6° 4	S 28
S 29	23 4 58	14°24'52	21° 9	8°47	19°52	2°42	4°54	18°47	1°35	16°43	25°18	11°41	13° 1	26°59	6° 7	S 29
M30	23 8 55	15°23'21	6°Y11	10° 4	21° 7	3° 8	4°52	18°50	1°33	16°43	25°19	11°35	12°58	27° 6	6°11	M30
T 31	23 12 51	16°R21'51	20°Y52	11°R19	22°R21	3°R33	4°R49	18°R52	1°R30	16°R42	25°R20	11°R31	12°R55	27°R13	6°R14	T 31

Delta T = 288.21 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1501
geocentric

SEPTEMBER 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 16 48	17 ¹⁷ 20'23	5 ⁸ 5	12 ²³ 33	23 ²³ 36	3 ¹¹ 58	4 ⁰ R45	18 ¹¹ 55	1 ⁰ R28	16 ⁰ R41	25 ¹¹ 21	11 ⁰ D29	12 ⁰ 52	27 ⁰ 19	6 ⁰ 17	W 1
T 2	23 20 44	18 ⁰ 18'58	18 ⁰ 51	13 ⁰ 45	24 ⁰ 51	4 ⁰ 23	4 ⁰ 42	18 ⁰ 57	1 ⁰ 26	16 ⁰ 34	25 ⁰ 22	11 ⁰ 29	12 ⁰ 49	27 ⁰ 26	6 ⁰ 20	T 2
F 3	23 24 41	19 ⁰ 17'34	2 ¹¹ 8	14 ⁰ 56	26 ⁰ 5	4 ⁰ 47	4 ⁰ 39	18 ⁰ 59	1 ⁰ 24	16 ⁰ 40	25 ⁰ 24	11 ⁰ 30	12 ⁰ 45	27 ⁰ 33	6 ⁰ 23	F 3
S 4	23 28 38	20 ⁰ 16'14	15 ⁰ 0	16 ⁰ 4	27 ⁰ 20	5 ⁰ 10	4 ⁰ 35	19 ⁰ 1	1 ⁰ 21	16 ⁰ 40	25 ⁰ 25	11 ⁰ R31	12 ⁰ 42	27 ⁰ 39	6 ⁰ 26	S 4
S 5	23 32 34	21 ⁰ 14'55	27 ⁰ 32	17 ⁰ 11	28 ⁰ 35	5 ⁰ 33	4 ⁰ 31	19 ⁰ 3	1 ⁰ 19	16 ⁰ 39	25 ⁰ 26	11 ⁰ 31	12 ⁰ 39	27 ⁰ 46	6 ⁰ 29	S 5
M 6	23 36 31	22 ⁰ 13'39	9 ⁰ 47	18 ⁰ 15	29 ⁰ 49	5 ⁰ 56	4 ⁰ 27	19 ⁰ 5	1 ⁰ 17	16 ⁰ 39	25 ⁰ 28	11 ⁰ 29	12 ⁰ 36	27 ⁰ 53	6 ⁰ 32	M 6
T 7	23 40 27	23 ⁰ 12'25	21 ⁰ 51	19 ⁰ 17	1 ⁰ 4	6 ⁰ 18	4 ⁰ 23	19 ⁰ 7	1 ⁰ 15	16 ⁰ 39	25 ⁰ 29	11 ⁰ 25	12 ⁰ 33	28 ⁰ 0	6 ⁰ 35	T 7
W 8	23 44 24	24 ⁰ 11'13	3 ⁰ 47	20 ⁰ 16	2 ⁰ 19	6 ⁰ 39	4 ⁰ 18	19 ⁰ 8	1 ⁰ 13	16 ⁰ 38	25 ⁰ 30	11 ⁰ 19	12 ⁰ 30	28 ⁰ 6	6 ⁰ 37	W 8
T 9	23 48 20	25 ⁰ 10'03	15 ⁰ 39	21 ⁰ 13	3 ⁰ 33	7 ⁰ 0	4 ⁰ 14	19 ⁰ 10	1 ⁰ 11	16 ⁰ 38	25 ⁰ 32	11 ⁰ 12	12 ⁰ 26	28 ⁰ 13	6 ⁰ 40	T 9
F 10	23 52 17	26 ⁰ 8'56	27 ⁰ 30	22 ⁰ 8	4 ⁰ 48	7 ⁰ 21	4 ⁰ 9	19 ⁰ 11	1 ⁰ 8	16 ⁰ 37	25 ⁰ 33	11 ⁰ 3	12 ⁰ 23	28 ⁰ 20	6 ⁰ 42	F 10
S 11	23 56 13	27 ⁰ 7'50	9 ⁰ 47	22 ⁰ 59	6 ⁰ 3	7 ⁰ 41	4 ⁰ 4	19 ⁰ 13	1 ⁰ 6	16 ⁰ 37	25 ⁰ 34	10 ⁰ 55	12 ⁰ 20	28 ⁰ 26	6 ⁰ 45	S 11
S 12	0 0 10	28 ⁰ 6'47	21 ⁰ 20	23 ⁰ 46	7 ⁰ 18	8 ⁰ 0	3 ⁰ 59	19 ⁰ 14	1 ⁰ 4	16 ⁰ 37	25 ⁰ 36	10 ⁰ 47	12 ⁰ 17	28 ⁰ 33	6 ⁰ 47	S 12
M 13	0 4 7	29 ⁰ 5'46	3 ⁰ 47	24 ⁰ 30	8 ⁰ 32	8 ⁰ 19	3 ⁰ 53	19 ⁰ 15	1 ⁰ 2	16 ⁰ 37	25 ⁰ 37	10 ⁰ 40	12 ⁰ 14	28 ⁰ 40	6 ⁰ 49	M 13
T 14	0 8 3	0 ⁰ 46	15 ⁰ 29	25 ⁰ 11	9 ⁰ 47	8 ⁰ 38	3 ⁰ 48	19 ⁰ 16	1 ⁰ 0	16 ⁰ 36	25 ⁰ 39	10 ⁰ 35	12 ⁰ 10	28 ⁰ 47	6 ⁰ 52	T 14
W 15	0 12 0	1 ⁰ 3'49	27 ⁰ 45	25 ⁰ 46	11 ⁰ 2	8 ⁰ 55	3 ⁰ 42	19 ⁰ 17	0 ⁰ 58	16 ⁰ 36	25 ⁰ 40	10 ⁰ 32	12 ⁰ 7	28 ⁰ 53	6 ⁰ 54	W 15
T 16	0 15 56	2 ⁰ 2'54	10 ⁰ 11	26 ⁰ 18	12 ⁰ 17	9 ⁰ 12	3 ⁰ 36	19 ⁰ 18	0 ⁰ 56	16 ⁰ 36	25 ⁰ 42	10 ⁰ D32	12 ⁰ 4	29 ⁰ 0	6 ⁰ 56	T 16
F 17	0 19 53	3 ⁰ 2'01	22 ⁰ 48	26 ⁰ 44	13 ⁰ 31	9 ⁰ 29	3 ⁰ 30	19 ⁰ 18	0 ⁰ 54	16 ⁰ 36	25 ⁰ 44	10 ⁰ 32	12 ⁰ 1	29 ⁰ 7	6 ⁰ 58	F 17
S 18	0 23 49	4 ⁰ 1'09	5 ⁰ 40	27 ⁰ 5	14 ⁰ 46	9 ⁰ 45	3 ⁰ 24	19 ⁰ 19	0 ⁰ 53	16 ⁰ 36	25 ⁰ 45	10 ⁰ 34	11 ⁰ 58	29 ⁰ 13	6 ⁰ 59	S 18
S 19	0 27 46	5 ⁰ 0'20	18 ⁰ 49	27 ⁰ 19	16 ⁰ 1	10 ⁰ 0	3 ⁰ 18	19 ⁰ 19	0 ⁰ 51	16 ⁰ D36	25 ⁰ 47	10 ⁰ 35	11 ⁰ 55	29 ⁰ 20	7 ⁰ 1	S 19
M 20	0 31 42	5 ⁰ 59'32	2 ⁰ 47	27 ⁰ 28	17 ⁰ 16	10 ⁰ 15	3 ⁰ 12	19 ⁰ 20	0 ⁰ 49	16 ⁰ 36	25 ⁰ 49	10 ⁰ R36	11 ⁰ 51	29 ⁰ 27	7 ⁰ 3	M 20
T 21	0 35 39	6 ⁰ 58'46	1 ⁰ 6	27 ⁰ R29	18 ⁰ 30	10 ⁰ 29	3 ⁰ 5	19 ⁰ 20	0 ⁰ 47	16 ⁰ 36	25 ⁰ 50	10 ⁰ 36	11 ⁰ 48	29 ⁰ 34	7 ⁰ 4	T 21
W 22	0 39 35	7 ⁰ 58'02	0 ⁰ 46	27 ⁰ 23	19 ⁰ 45	10 ⁰ 42	2 ⁰ 59	19 ⁰ R20	0 ⁰ 45	16 ⁰ 36	25 ⁰ 52	10 ⁰ 34	11 ⁰ 45	29 ⁰ 40	7 ⁰ 6	W 22
T 23	0 43 32	8 ⁰ 57'19	14 ⁰ 47	27 ⁰ 10	21 ⁰ 0	10 ⁰ 54	2 ⁰ 52	19 ⁰ 20	0 ⁰ 44	16 ⁰ 36	25 ⁰ 54	10 ⁰ 31	11 ⁰ 42	29 ⁰ 47	7 ⁰ 7	T 23
F 24	0 47 29	9 ⁰ 56'39	29 ⁰ 33	26 ⁰ 48	22 ⁰ 15	11 ⁰ 6	2 ⁰ 45	19 ⁰ 20	0 ⁰ 42	16 ⁰ 36	25 ⁰ 56	10 ⁰ 27	11 ⁰ 39	29 ⁰ 54	7 ⁰ 9	F 24
S 25	0 51 25	10 ⁰ 56'00	14 ⁰ 49	26 ⁰ 19	23 ⁰ 30	11 ⁰ 18	2 ⁰ 38	19 ⁰ 20	0 ⁰ 40	16 ⁰ 37	25 ⁰ 57	10 ⁰ 22	11 ⁰ 36	0 ⁰ 0	7 ⁰ 10	S 25
S 26	0 55 22	11 ⁰ 55'23	29 ⁰ 27	25 ⁰ 41	24 ⁰ 44	11 ⁰ 28	2 ⁰ 31	19 ⁰ 19	0 ⁰ 39	16 ⁰ 37	25 ⁰ 59	10 ⁰ 19	11 ⁰ 32	0 ⁰ 7	7 ⁰ 11	S 26
M 27	0 59 18	12 ⁰ 54'48	14 ⁰ 48	24 ⁰ 54	25 ⁰ 59	11 ⁰ 38	2 ⁰ 24	19 ⁰ 19	0 ⁰ 37	16 ⁰ 37	26 ⁰ 1	10 ⁰ 16	11 ⁰ 29	0 ⁰ 14	7 ⁰ 12	M 27
T 28	1 3 15	13 ⁰ 54'15	28 ⁰ 53	24 ⁰ 1	27 ⁰ 14	11 ⁰ 47	2 ⁰ 16	19 ⁰ 18	0 ⁰ 35	16 ⁰ 37	26 ⁰ 3	10 ⁰ 14	11 ⁰ 26	0 ⁰ 21	7 ⁰ 13	T 28
W 29	1 7 11	14 ⁰ 53'44	13 ⁰ 7	23 ⁰ 0	28 ⁰ 29	11 ⁰ 55	2 ⁰ 9	19 ⁰ 18	0 ⁰ 34	16 ⁰ 38	26 ⁰ 5	10 ⁰ D13	11 ⁰ 23	0 ⁰ 27	7 ⁰ 14	W 29
T 30	1 11 8	15 ⁰ 53'15	26 ⁰ 56	21 ⁰ 53	29 ⁰ 43	12 ⁰ 11	2 ⁰ 8	19 ⁰ 17	0 ⁰ 32	16 ⁰ 38	26 ⁰ 7	10 ⁰ 14	11 ⁰ 20	0 ⁰ 34	7 ⁰ 15	T 30

Delta T = 288.03 sec

Julian Calendar 1 Sept. 1501 == Greg. Calendar 11 Sept. 1501

OCTOBER 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 15 4	16 ⁰ 52'49	10 ⁰ 18	20 ⁰ R42	0 ⁰ 18	12 ⁰ 11	1 ⁰ R54	19 ⁰ R16	0 ⁰ R31	16 ⁰ 38	26 ⁰ 9	10 ⁰ 16	11 ⁰ 16	0 ⁰ 41	7 ⁰ 16	F 1
S 2	1 19 1	17 ⁰ 52'25	23 ⁰ 17	19 ⁰ 28	2 ⁰ 13	12 ⁰ 15	1 ⁰ 46	19 ⁰ 15	0 ⁰ 30	16 ⁰ 39	26 ⁰ 11	10 ⁰ 17	11 ⁰ 13	0 ⁰ 47	7 ⁰ 16	S 2
S 3	1 22 58	18 ⁰ 52'04	5 ⁰ 53	18 ⁰ 14	3 ⁰ 28	12 ⁰ 21	1 ⁰ 39	19 ⁰ 14	0 ⁰ 28	16 ⁰ 39	26 ⁰ 13	10 ⁰ 18	11 ⁰ 10	0 ⁰ 54	7 ⁰ 17	S 3
M 4	1 26 54	19 ⁰ 51'44	18 ⁰ 12	17 ⁰ 1	4 ⁰ 42	12 ⁰ 25	1 ⁰ 31	19 ⁰ 13	0 ⁰ 27	16 ⁰ 40	26 ⁰ 15	10 ⁰ R19	11 ⁰ 7	1 ⁰ 1	7 ⁰ 17	M 4
T 5	1 30 51	20 ⁰ 51'27	0 ⁰ 17	15 ⁰ 52	5 ⁰ 57	12 ⁰ 28	1 ⁰ 23	19 ⁰ 11	0 ⁰ 26	16 ⁰ 40	26 ⁰ 17	10 ⁰ 19	11 ⁰ 4	1 ⁰ 8	7 ⁰ 18	T 5
W 6	1 34 47	21 ⁰ 51'13	12 ⁰ 13	14 ⁰ 49	7 ⁰ 12	12 ⁰ 31	1 ⁰ 15	19 ⁰ 10	0 ⁰ 24	16 ⁰ 41	26 ⁰ 19	10 ⁰ 17	11 ⁰ 1	1 ⁰ 14	7 ⁰ 18	W 6
T 7	1 38 44	22 ⁰ 51'00	24 ⁰ 5	13 ⁰ 54	8 ⁰ 27	12 ⁰ 33	1 ⁰ 7	19 ⁰ 8	0 ⁰ 23	16 ⁰ 41	26 ⁰ 21	10 ⁰ 15	10 ⁰ 57	1 ⁰ 21	7 ⁰ 18	T 7
F 8	1 42 40	23 ⁰ 50'50	5 ⁰ 47	13 ⁰ 8	9 ⁰ 42	12 ⁰ 34	0 ⁰ 59	19 ⁰ 7	0 ⁰ 22	16 ⁰ 42	26 ⁰ 23	10 ⁰ 13	10 ⁰ 54	1 ⁰ 28	7 ⁰ R18	F 8
S 9	1 46 37	24 ⁰ 50'41	17 ⁰ 52	12 ⁰ 32	10 ⁰ 56	12 ⁰ R34	0 ⁰ 51	19 ⁰ 5	0 ⁰ 21	16 ⁰ 43	26 ⁰ 25	10 ⁰ 10	10 ⁰ 51	1 ⁰ 34	7 ⁰ 18	S 9
S 10	1 50 33	25 ⁰ 50'35	29 ⁰ 53	12 ⁰ 7	12 ⁰ 11	12 ⁰ 33	0 ⁰ 43	19 ⁰ 3	0 ⁰ 20	16 ⁰ 43	26 ⁰ 27	10 ⁰ 8	10 ⁰ 48	1 ⁰ 41	7 ⁰ 18	S 10
M11	1 54 30	26 ⁰ 50'31	12 ⁰ 4	11 ⁰ 54	13 ⁰ 26	12 ⁰ 31	0 ⁰ 35	19 ⁰ 1	0 ⁰ 19	16 ⁰ 44	26 ⁰ 29	10 ⁰ 6	10 ⁰ 45	1 ⁰ 48	7 ⁰ 18	M11
T 12	1 58 27	27 ⁰ 50'29	24 ⁰ 24	11 ⁰ D52	14 ⁰ 41	12 ⁰ 29	0 ⁰ 27	18 ⁰ 59	0 ⁰ 18	16 ⁰ 45	26 ⁰ 31	10 ⁰ 5	10 ⁰ 42	1 ⁰ 55	7 ⁰ 18	T 12
W13	2 2 23	28 ⁰ 50'29	6 ⁰ 16	12 ⁰ 1	15 ⁰ 55	12 ⁰ 25	0 ⁰ 18	18 ⁰ 57	0 ⁰ 17	16 ⁰ 45	26 ⁰ 33	10 ⁰ D 5	10 ⁰ 38	2 ⁰ 1	7 ⁰ 17	W13
T 14	2 6 20	29 ⁰ 50'31	19 ⁰ 41	12 ⁰ 21	17 ⁰ 10	12 ⁰ 21	0 ⁰ 10	18 ⁰ 54	0 ⁰ 16	16 ⁰ 46	26 ⁰ 35	10 ⁰ 5	10 ⁰ 35	2 ⁰ 8	7 ⁰ 17	T 14
F 15	2 10 16	0 ⁰ 15'35	2 ⁰ 48	12 ⁰ 51	18 ⁰ 25	12 ⁰ 16	0 ⁰ 2	18 ⁰ 52	0 ⁰ 15	16 ⁰ 47	26 ⁰ 38	10 ⁰ 5	10 ⁰ 32	2 ⁰ 15	7 ⁰ 16	F 15
S 16	2 14 13	1 ⁰ 50'40	15 ⁰ 49	13 ⁰ 29	19 ⁰ 40	12 ⁰ 10	29 ⁰ 45	18 ⁰ 49	0 ⁰ 15	16 ⁰ 48	26 ⁰ 40	10 ⁰ 6	10 ⁰ 29	2 ⁰ 21	7 ⁰ 16	S 16
S 17	2 18 9	2 ⁰ 50'47	29 ⁰ 13	14 ⁰ 16	20 ⁰ 55	12 ⁰ 3	29 ⁰ 46	18 ⁰ 47	0 ⁰ 14	16 ⁰ 49	26 ⁰ 42	10 ⁰ 7	10 ⁰ 26	2 ⁰ 28	7 ⁰ 15	S 17
M18	2 22 6	3 ⁰ 50'56	12 ⁰ 35	15 ⁰ 10	22 ⁰ 9	11 ⁰ 55	29 ⁰ 38	18 ⁰ 44	0 ⁰ 13	16 ⁰ 50	26 ⁰ 44	10 ⁰ 8	10 ⁰ 22	2 ⁰ 35	7 ⁰ 14	M18
T 19	2 26 2	4 ⁰ 51'07	26 ⁰ 41	16 ⁰ 11	23 ⁰ 24	11 ⁰ 46	29 ⁰ 30	18 ⁰ 41	0 ⁰ 13	16 ⁰ 51	26 ⁰ 47	10 ⁰ 8	10 ⁰ 19	2 ⁰ 42	7 ⁰ 13	T 19
W20	2 29 59	5 ⁰ 51'19	10 ⁰ 45	17 ⁰ 17	24 ⁰ 39	11 ⁰ 36	29 ⁰ 22	18 ⁰ 39	0 ⁰ 12	16 ⁰ 52	26 ⁰ 49	10 ⁰ R 8	10 ⁰ 16	2 ⁰ 48	7 ⁰ 12	W20
T 21	2 33 56	6 ⁰ 51'32	25 ⁰ 0	18 ⁰ 28	25 ⁰ 54	11 ⁰ 26	29 ⁰ 13	18 ⁰ 36	0 ⁰ 11	16 ⁰ 53	26 ⁰ 51	10 ⁰ 8	10 ⁰ 13	2 ⁰ 55	7 ⁰ 11	T 21
F 22	2 37 52	7 ⁰ 51'47	9 ⁰ 43	19 ⁰ 43	27 ⁰ 8	11 ⁰ 14	29 ⁰ 6	18 ⁰ 32	0 ⁰ 11	16 ⁰ 54	26 ⁰ 53	10 ⁰ 7	10 ⁰ 10	3 ⁰ 2	7 ⁰ 10	F 22
S 23	2 41 49	8 ⁰ 52'03	23 ⁰ 52	21 ⁰ 2	28 ⁰ 23	11 ⁰ 2	28 ⁰ 58	18 ⁰ 29	0 ⁰ 11	16 ⁰ 55	26 ⁰ 56	10 ⁰ 7	10 ⁰ 7	3 ⁰ 8	7 ⁰ 9	S 23
S 24	2 45 45	9 ⁰ 52'21	8 ⁰ 22	22 ⁰ 24	29 ⁰ 38	10 ⁰ 49	28 ⁰ 50	18 ⁰ 26	0 ⁰ 10	16 ⁰ 56	26 ⁰ 58	10 ⁰ D 7	10 ⁰ 3	3 ⁰ 15	7 ⁰ 7	S 24
M25	2 49 42	10 ⁰ 52'40	22 ⁰ 28	23 ⁰ 48	0 ⁰ 45	10 ⁰ 35	28 ⁰ 42	18 ⁰ 23	0 ⁰ 10	16 ⁰ 57	27 ⁰ 0	10 ⁰ 7	10 ⁰ 0	3 ⁰ 22	7 ⁰ 6	M25
T 26	2 53 38	11 ⁰ 53'01	7 ⁰ 3	25 ⁰ 15	2 ⁰ 7	10 ⁰ 21	28 ⁰ 34	18 ⁰ 19	0 ⁰ 10	16 ⁰ 58	27 ⁰ 2	10 ⁰ R 7	9 ⁰ 57	3 ⁰ 29	7 ⁰ 4	T 26
W27	2 57 35	12 ⁰ 53'24	21 ⁰ 3	26 ⁰ 43	3 ⁰ 22	10 ⁰ 5	28 ⁰ 27	18 ⁰ 16	0 ⁰ 9	17 ⁰ 0	27 ⁰ 5	10 ⁰ 7	9 ⁰ 54	3 ⁰ 35	7 ⁰ 3	W27
T 28	3 1 31	13 ⁰ 53'48	4 ⁰ 15	28 ⁰ 13	4 ⁰ 37	9 ⁰ 49	28 ⁰ 19	18 ⁰ 12	0 ⁰ 9	17 ⁰ 1	27 ⁰ 7	10 ⁰ 7	9 ⁰ 51	3 ⁰ 42	7 ⁰ 1	T 28
F 29	3 5 28	14 ⁰ 54'14	1 ⁰ 6	29 ⁰ 44	5 ⁰ 51	9 ⁰ 32	28 ⁰ 11	18 ⁰ 9	0 ⁰ 9	17 ⁰ 2	27 ⁰ 9	10 ⁰ 7	9 ⁰ 47	3 ⁰ 49	6 ⁰ 59	F 29
S 30	3 9 25	15 ⁰ 54'42	1 ⁰ 5	1 ⁰ 16	7 ⁰ 6	9 ⁰ 15	28 ⁰ 4	18 ⁰ 5	0 ⁰ 9	17 ⁰ 3	27 ⁰ 12	10 ⁰ 6	9 ⁰ 44	3 ⁰ 55	6 ⁰ 57	S 30
S 31	3 13 21	16 ⁰ 55'12	13 ⁰ 45	2 ⁰ 48	8 ⁰ 21	8 ⁰ 11	27 ⁰ 45	18 ⁰ 1	0 ⁰ D 9	17 ⁰ 3	27 ⁰ 14	10 ⁰ 5	9 ⁰ 41	4 ⁰ 2	6 ⁰ 56	S 31

ASTRODIENST EPHEMERIS for the year 1501
geocentric

NOVEMBER 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 17 18	17 ¹¹ 55'44	26 ⁵ 7	4 ¹¹ 22	9 ¹ 36	8 ⁰ R38	27 ⁰ R50	17 ⁰ R57	0 ¹ 9	17 ⁰ 6	27 ¹¹ 16	10 ⁰ R 4	9 ⁰ 38	4 ¹¹ 9	6 ⁰ R54	M 1
T 2	3 21 14	18 ⁰ 56'17	8 ⁰ 14	5 ⁰ 55	10 ⁰ 50	8 ¹¹ 18	27 ⁰ Y42	17 ¹¹ 53	0 ⁰ 9	17 ⁰ 7	27 ⁰ 19	10 ⁰ 8 4	9 ⁰ 35	4 ⁰ 16	6 ⁰ 51	T 2
W 3	3 25 11	19 ⁰ 56'53	20 ⁰ 12	7 ⁰ 30	12 ⁰ 5	7 ⁰ 59	27 ⁰ 35	17 ⁰ 49	0 ⁰ 9	17 ⁰ 9	27 ⁰ 21	10 ⁰ D 3	9 ⁰ 32	4 ⁰ 22	6 ⁰ 49	W 3
T 4	3 29 7	20 ⁰ 57'30	2 ¹¹ 4	9 ⁰ 4	13 ⁰ 20	7 ⁰ 38	27 ⁰ 29	17 ⁰ 45	0 ⁰ 9	17 ⁰ 10	27 ⁰ 23	10 ⁰ 4	9 ⁰ 28	4 ⁰ 29	6 ⁰ 47	T 4
F 5	3 33 4	21 ⁰ 58'08	13 ⁰ 56	10 ⁰ 38	14 ⁰ 34	7 ⁰ 17	27 ⁰ 22	17 ⁰ 41	0 ⁰ 9	17 ⁰ 12	27 ⁰ 26	10 ⁰ 4	9 ⁰ 25	4 ⁰ 36	6 ⁰ 45	F 5
S 6	3 37 0	22 ⁰ 58'48	25 ⁰ 52	12 ⁰ 13	15 ⁰ 49	6 ⁰ 56	27 ⁰ 15	17 ⁰ 37	0 ⁰ 10	17 ⁰ 13	27 ⁰ 28	10 ⁰ 6	9 ⁰ 22	4 ⁰ 42	6 ⁰ 42	S 6
S 7	3 40 57	23 ⁰ 59'30	7 ⁰ 57	13 ⁰ 48	17 ⁰ 4	6 ⁰ 34	27 ⁰ 9	17 ⁰ 32	0 ⁰ 10	17 ⁰ 15	27 ⁰ 31	10 ⁰ 7	9 ⁰ 19	4 ⁰ 49	6 ⁰ 40	S 7
M 8	3 44 54	25 ⁰ 0'14	20 ⁰ 14	15 ⁰ 22	18 ⁰ 18	6 ⁰ 12	27 ⁰ 2	17 ⁰ 28	0 ⁰ 10	17 ⁰ 16	27 ⁰ 33	10 ⁰ 8	9 ⁰ 16	4 ⁰ 56	6 ⁰ 37	M 8
T 9	3 48 50	26 ⁰ 0'59	2 ¹¹ 45	16 ⁰ 57	19 ⁰ 33	5 ⁰ 49	26 ⁰ 56	17 ⁰ 24	0 ⁰ 11	17 ⁰ 18	27 ⁰ 35	10 ⁰ 9	9 ⁰ 13	5 ⁰ 3	6 ⁰ 35	T 9
W10	3 52 47	27 ⁰ 1'45	2 ¹¹ 45	18 ⁰ 32	20 ⁰ 48	5 ⁰ 27	26 ⁰ 50	17 ⁰ 19	0 ⁰ 11	17 ⁰ 19	27 ⁰ 38	10 ⁰ R 9	9 ⁰ 9	5 ⁰ 9	6 ⁰ 32	W10
T 11	3 56 43	28 ⁰ 2'33	28 ⁰ 39	20 ⁰ 7	22 ⁰ 2	5 ⁰ 4	26 ⁰ 44	17 ⁰ 15	0 ⁰ 12	17 ⁰ 21	27 ⁰ 40	10 ⁰ 8	9 ⁰ 6	5 ⁰ 16	6 ⁰ 29	T 11
F 12	4 0 40	29 ⁰ 3'23	12 ⁰ 2	21 ⁰ 41	23 ⁰ 17	4 ⁰ 41	26 ⁰ 38	17 ⁰ 10	0 ⁰ 13	17 ⁰ 23	27 ⁰ 42	10 ⁰ 6	9 ⁰ 3	5 ⁰ 23	6 ⁰ 26	F 12
S 13	4 4 36	0 ⁰ 4'13	25 ⁰ 39	23 ⁰ 16	24 ⁰ 31	4 ⁰ 18	26 ⁰ 33	17 ⁰ 6	0 ⁰ 13	17 ⁰ 24	27 ⁰ 45	10 ⁰ 4	9 ⁰ 0	5 ⁰ 29	6 ⁰ 23	S 13
S 14	4 8 33	1 ⁰ 5'05	9 ⁰ 30	24 ⁰ 50	25 ⁰ 46	3 ⁰ 55	26 ⁰ 27	17 ⁰ 1	0 ⁰ 14	17 ⁰ 26	27 ⁰ 47	10 ⁰ 1	8 ⁰ 57	5 ⁰ 36	6 ⁰ 21	S 14
M15	4 12 29	2 ⁰ 5'57	23 ⁰ 29	26 ⁰ 25	27 ⁰ 1	3 ⁰ 31	26 ⁰ 22	16 ⁰ 56	0 ⁰ 15	17 ⁰ 28	27 ⁰ 49	9 ⁰ 57	8 ⁰ 53	5 ⁰ 43	6 ⁰ 17	M15
T 16	4 16 26	3 ⁰ 6'51	7 ⁰ 35	27 ⁰ 59	28 ⁰ 15	3 ⁰ 8	26 ⁰ 17	16 ⁰ 52	0 ⁰ 15	17 ⁰ 30	27 ⁰ 52	9 ⁰ 55	8 ⁰ 50	5 ⁰ 50	6 ⁰ 14	T 16
W17	4 20 23	4 ⁰ 7'45	21 ⁰ 45	29 ⁰ 33	29 ⁰ 30	2 ⁰ 46	26 ⁰ 12	16 ⁰ 47	0 ⁰ 16	17 ⁰ 31	27 ⁰ 54	9 ⁰ 53	8 ⁰ 47	5 ⁰ 56	6 ⁰ 11	W17
T 18	4 24 19	5 ⁰ 8'40	5 ⁰ 56	1 ⁰ 8	0 ⁰ 44	2 ⁰ 23	26 ⁰ 7	16 ⁰ 42	0 ⁰ 17	17 ⁰ 33	27 ⁰ 57	9 ⁰ D53	8 ⁰ 44	6 ⁰ 3	6 ⁰ 8	T 18
F 19	4 28 16	6 ⁰ 9'36	2 ⁰ 5	2 ⁰ 42	1 ⁰ 59	2 ⁰ 0	26 ⁰ 3	16 ⁰ 37	0 ⁰ 18	17 ⁰ 35	27 ⁰ 59	9 ⁰ 53	8 ⁰ 41	6 ⁰ 10	6 ⁰ 5	F 19
S 20	4 32 12	7 ⁰ 10'32	4 ⁰ Y12	4 ⁰ 16	3 ⁰ 14	1 ⁰ 38	25 ⁰ 59	16 ⁰ 32	0 ⁰ 19	17 ⁰ 37	28 ⁰ 1	9 ⁰ 55	8 ⁰ 38	6 ⁰ 16	6 ⁰ 1	S 20
S 21	4 36 9	8 ⁰ 11'29	18 ⁰ 14	5 ⁰ 50	4 ⁰ 28	1 ⁰ 16	25 ⁰ 54	16 ⁰ 27	0 ⁰ 20	17 ⁰ 39	28 ⁰ 4	9 ⁰ 56	8 ⁰ 34	6 ⁰ 23	5 ⁰ 58	S 21
M22	4 40 5	9 ⁰ 12'27	2 ⁰ 8	7 ⁰ 24	5 ⁰ 43	0 ⁰ 55	25 ⁰ 50	16 ⁰ 23	0 ⁰ 21	17 ⁰ 40	28 ⁰ 6	9 ⁰ 57	8 ⁰ 31	6 ⁰ 30	5 ⁰ 55	M22
T 23	4 44 2	10 ⁰ 13'26	15 ⁰ 56	8 ⁰ 59	6 ⁰ 57	0 ⁰ 34	25 ⁰ 47	16 ⁰ 18	0 ⁰ 22	17 ⁰ 42	28 ⁰ 8	9 ⁰ R57	8 ⁰ 28	6 ⁰ 36	5 ⁰ 51	T 23
W24	4 47 58	11 ⁰ 14'25	29 ⁰ 33	10 ⁰ 33	8 ⁰ 12	0 ⁰ 13	25 ⁰ 43	16 ⁰ 13	0 ⁰ 23	17 ⁰ 44	28 ⁰ 11	9 ⁰ 56	8 ⁰ 25	6 ⁰ 43	5 ⁰ 48	W24
T 25	4 51 55	12 ⁰ 15'25	12 ⁰ Y56	12 ⁰ 7	9 ⁰ 26	29 ⁰ Y53	25 ⁰ 40	16 ⁰ 8	0 ⁰ 25	17 ⁰ 46	28 ⁰ 13	9 ⁰ 53	8 ⁰ 22	6 ⁰ 50	5 ⁰ 44	T 25
F 26	4 55 52	13 ⁰ 16'26	26 ⁰ 4	13 ⁰ 42	10 ⁰ 40	29 ⁰ 33	25 ⁰ 36	16 ⁰ 3	0 ⁰ 26	17 ⁰ 48	28 ⁰ 15	9 ⁰ 48	8 ⁰ 19	6 ⁰ 57	5 ⁰ 40	F 26
S 27	4 59 48	14 ⁰ 17'28	8 ⁰ 56	15 ⁰ 16	11 ⁰ 55	29 ⁰ 14	25 ⁰ 33	15 ⁰ 58	0 ⁰ 27	17 ⁰ 50	28 ⁰ 18	9 ⁰ 42	8 ⁰ 15	7 ⁰ 3	5 ⁰ 37	S 27
S 28	5 3 45	15 ⁰ 18'31	21 ⁰ 33	16 ⁰ 51	13 ⁰ 9	28 ⁰ 56	25 ⁰ 30	15 ⁰ 53	0 ⁰ 29	17 ⁰ 52	28 ⁰ 20	9 ⁰ 36	8 ⁰ 12	7 ⁰ 10	5 ⁰ 33	S 28
M29	5 7 41	16 ⁰ 19'35	3 ⁰ Y54	18 ⁰ 25	14 ⁰ 24	28 ⁰ 38	25 ⁰ 28	15 ⁰ 48	0 ⁰ 30	17 ⁰ 54	28 ⁰ 22	9 ⁰ 29	8 ⁰ 9	7 ⁰ 17	5 ⁰ 29	M29
T 30	5 11 38	17 ⁰ 20'39	16 ⁰ 1	20 ⁰ 2	15 ⁰ Y38	28 ⁰ Y21	25 ⁰ Y25	15 ⁰ Y43	0 ⁰ Y32	17 ⁰ Y56	28 ⁰ Y24	9 ⁰ Y24	8 ⁰ Y6	7 ⁰ Y23	5 ⁰ Y25	T 30

Delta T = 287.66 sec

Julian Calendar 1 Nov. 1501 == Greg. Calendar 11 Nov. 1501

DECEMBER 1501 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 15 34	18 ⁰ 21'44	27 ⁰ Ω59	21 ⁰ ♂35	16 ⁰ ♂52	28 ⁰ R 4	25 ⁰ R23	15 ⁰ R38	0 ⁰ ♂33	17 ⁰ ♂58	28 ⁰ ♂27	9 ⁰ R20	8 ⁰ ♂ 3	7 ⁰ ♂30	5 ⁰ R21	W 1
T 2	5 19 31	19 ⁰ 22'50	9 ⁰ ♂51	23 ⁰ 10	18 ⁰ 7	27 ⁰ ♂48	25 ⁰ Y21	15 ⁰ ♂33	0 ⁰ 35	18 ⁰ 0	28 ⁰ 29	9 ⁰ ♂17	7 ⁰ 59	7 ⁰ 37	5 ⁰ ♂18	T 2
F 3	5 23 28	20 ⁰ 23'57	21 ⁰ 42	24 ⁰ 45	19 ⁰ 21	27 ⁰ 33	25 ⁰ 19	15 ⁰ 28	0 ⁰ 36	18 ⁰ 2	28 ⁰ 31	9 ⁰ D17	7 ⁰ 56	7 ⁰ 44	5 ⁰ 14	F 3
S 4	5 27 24	21 ⁰ 25'05	3 ⁰ ♂37	26 ⁰ 21	20 ⁰ 35	27 ⁰ 19	25 ⁰ 18	15 ⁰ 23	0 ⁰ 38	18 ⁰ 4	28 ⁰ 33	9 ⁰ 17	7 ⁰ 53	7 ⁰ 50	5 ⁰ 10	S 4
S 5	5 31 21	22 ⁰ 26'13	15 ⁰ 41	27 ⁰ 56	21 ⁰ 50	27 ⁰ 5	25 ⁰ 16	15 ⁰ 18	0 ⁰ 40	18 ⁰ 6	28 ⁰ 36	9 ⁰ 19	7 ⁰ 50	7 ⁰ 57	5 ⁰ 6	S 5
M 6	5 35 17	23 ⁰ 27'23	27 ⁰ 59	29 ⁰ 32	23 ⁰ 4	26 ⁰ 52	25 ⁰ 15	15 ⁰ 13	0 ⁰ 41	18 ⁰ 8	28 ⁰ 38	9 ⁰ 20	7 ⁰ 47	8 ⁰ 4	5 ⁰ 2	M 6
T 7	5 39 14	24 ⁰ 28'32	10 ⁰ ♂35	1 ⁰ ♂ 8	24 ⁰ 18	26 ⁰ 40	25 ⁰ 14	15 ⁰ 9	0 ⁰ 43	18 ⁰ 11	28 ⁰ 40	9 ⁰ R21	7 ⁰ 44	8 ⁰ 10	4 ⁰ 58	T 7
W 8	5 43 10	25 ⁰ 29'43	23 ⁰ 32	2 ⁰ 44	25 ⁰ 32	26 ⁰ 29	25 ⁰ 13	15 ⁰ 4	0 ⁰ 45	18 ⁰ 13	28 ⁰ 42	9 ⁰ 20	7 ⁰ 40	8 ⁰ 17	4 ⁰ 54	W 8
T 9	5 47 7	26 ⁰ 30'54	6 ⁰ ♂53	4 ⁰ 21	26 ⁰ 46	26 ⁰ 19	25 ⁰ 13	14 ⁰ 59	0 ⁰ 47	18 ⁰ 15	28 ⁰ 44	9 ⁰ 17	7 ⁰ 37	8 ⁰ 24	4 ⁰ 50	T 9
F 10	5 51 3	27 ⁰ 32'05	20 ⁰ 37	5 ⁰ 57	28 ⁰ 1	26 ⁰ 9	25 ⁰ 12	14 ⁰ 54	0 ⁰ 49	18 ⁰ 17	28 ⁰ 47	9 ⁰ 11	7 ⁰ 34	8 ⁰ 30	4 ⁰ 45	F 10
S 11	5 55 0	28 ⁰ 33'17	4 ⁰ ♂42	7 ⁰ 34	29 ⁰ 15	26 ⁰ 0	25 ⁰ D12	14 ⁰ 49	0 ⁰ 51	18 ⁰ 19	28 ⁰ 49	9 ⁰ 4	7 ⁰ 31	8 ⁰ 37	4 ⁰ 41	S 11
S 12	5 58 57	29 ⁰ 34'29	19 ⁰ 2	9 ⁰ 11	0 ⁰ ♂29	25 ⁰ 52	25 ⁰ 12	14 ⁰ 45	0 ⁰ 53	18 ⁰ 21	28 ⁰ 51	8 ⁰ 55	7 ⁰ 28	8 ⁰ 44	4 ⁰ 37	S 12
M13	6 2 53	0 ⁰ ♂35'41	3 ⁰ ♂31	10 ⁰ 48	1 ⁰ 43	25 ⁰ 45	25 ⁰ 13	14 ⁰ 40	0 ⁰ 55	18 ⁰ 24	28 ⁰ 53	8 ⁰ 47	7 ⁰ 25	8 ⁰ 51	4 ⁰ 33	M13
T 14	6 6 50	1 ⁰ 36'53	18 ⁰ 4	12 ⁰ 24	2 ⁰ 57	25 ⁰ 39	25 ⁰ 13	14 ⁰ 35	0 ⁰ 57	18 ⁰ 26	28 ⁰ 55	8 ⁰ 39	7 ⁰ 21	8 ⁰ 57	4 ⁰ 29	T 14
W15	6 10 46	2 ⁰ 38'05	2 ⁰ ♂33	14 ⁰ 1	4 ⁰ 11	25 ⁰ 33	25 ⁰ 14	14 ⁰ 31	0 ⁰ 59	18 ⁰ 28	28 ⁰ 57	8 ⁰ 33	7 ⁰ 18	9 ⁰ 4	4 ⁰ 25	W15
T 16	6 14 43	3 ⁰ 39'16	16 ⁰ 54	15 ⁰ 38	5 ⁰ 25	25 ⁰ 28	25 ⁰ 15	14 ⁰ 26	1 ⁰ 1	18 ⁰ 30	28 ⁰ 59	8 ⁰ 30	7 ⁰ 15	9 ⁰ 11	4 ⁰ 21	T 16
F 17	6 18 39	4 ⁰ 40'27	1 ⁰ Y 3	17 ⁰ 15	6 ⁰ 39	25 ⁰ 25	25 ⁰ 16	14 ⁰ 22	1 ⁰ 4	18 ⁰ 32	29 ⁰ 1	8 ⁰ D28	7 ⁰ 12	9 ⁰ 17	4 ⁰ 16	F 17
S 18	6 22 36	5 ⁰ 41'38	15 ⁰ 1	18 ⁰ 51	7 ⁰ 53	25 ⁰ 22	25 ⁰ 17	14 ⁰ 17	1 ⁰ 6	18 ⁰ 35	29 ⁰ 3	8 ⁰ 28	7 ⁰ 9	9 ⁰ 24	4 ⁰ 12	S 18
S 19	6 26 32	6 ⁰ 42'49	28 ⁰ 45	20 ⁰ 27	9 ⁰ 7	25 ⁰ 19	25 ⁰ 19	14 ⁰ 13	1 ⁰ 8	18 ⁰ 37	29 ⁰ 5	8 ⁰ 29	7 ⁰ 5	9 ⁰ 31	4 ⁰ 8	S 19
M20	6 30 29	7 ⁰ 43'59	12 ⁰ ♂18	22 ⁰ 3	10 ⁰ 21	25 ⁰ 18	25 ⁰ 20	14 ⁰ 8	1 ⁰ 11	18 ⁰ 39	29 ⁰ 7	8 ⁰ R30	7 ⁰ 2	9 ⁰ 38	4 ⁰ 4	M20
T 21	6 34 26	8 ⁰ 45'08	25 ⁰ 40	23 ⁰ 37	11 ⁰ 34	25 ⁰ D17	25 ⁰ 22	14 ⁰ 4	1 ⁰ 13	18 ⁰ 41	29 ⁰ 9	8 ⁰ 28	6 ⁰ 59	9 ⁰ 44	4 ⁰ 0	T 21
W22	6 38 22	9 ⁰ 46'18	8 ⁰ ♂50	25 ⁰ 11	12 ⁰ 48	25 ⁰ 18	25 ⁰ 24	14 ⁰ 0	1 ⁰ 15	18 ⁰ 44	29 ⁰ 11	8 ⁰ 24	6 ⁰ 56	9 ⁰ 51	3 ⁰ 56	W22
T 23	6 42 19	10 ⁰ 47'27	21 ⁰ 50	26 ⁰ 44	14 ⁰ 2	25 ⁰ 18	25 ⁰ 27	13 ⁰ 56	1 ⁰ 18	18 ⁰ 46	29 ⁰ 13	8 ⁰ 17	6 ⁰ 53	9 ⁰ 58	3 ⁰ 52	T 23
F 24	6 46 15	11 ⁰ 48'36	4 ⁰ ♂39	28 ⁰ 15	15 ⁰ 16	25 ⁰ 20	25 ⁰ 29	13 ⁰ 52	1 ⁰ 20	18 ⁰ 48	29 ⁰ 15	8 ⁰ 8	6 ⁰ 50	10 ⁰ 4	3 ⁰ 47	F 24
S 25	6 50 12	12 ⁰ 49'45	17 ⁰ 17	29 ⁰ 45	16 ⁰ 29	25 ⁰ 23	25 ⁰ 32	13 ⁰ 48	1 ⁰ 23	18 ⁰ 50	29 ⁰ 17	7 ⁰ 56	6 ⁰ 46	10 ⁰ 11	3 ⁰ 43	S 25
S 26	6 54 8	13 ⁰ 50'53	29 ⁰ 43	1 ⁰ ♂12	17 ⁰ 43	25 ⁰ 26	25 ⁰ 35	13 ⁰ 44	1 ⁰ 25	18 ⁰ 53	29 ⁰ 18	7 ⁰ 44	6 ⁰ 43	10 ⁰ 18	3 ⁰ 39	S 26
M27	6 58 5	14 ⁰ 52'01	11 ⁰ ♂57	2 ⁰ 37	18 ⁰ 56	25 ⁰ 30	25 ⁰ 38	13 ⁰ 40	1 ⁰ 28	18 ⁰ 55	29 ⁰ 20	7 ⁰ 31	6 ⁰ 40	10 ⁰ 24	3 ⁰ 35	M27
T 28	7 2 2	15 ⁰ 53'08	24 ⁰ 2	3 ⁰ 59	20 ⁰ 10	25 ⁰ 34	25 ⁰ 41	13 ⁰ 36	1 ⁰ 31	18 ⁰ 57	29 ⁰ 22	7 ⁰ 19	6 ⁰ 37	10 ⁰ 31	3 ⁰ 31	T 28
W29	7 5 58	16 ⁰ 54'15	5 ⁰ ♂58	5 ⁰ 18	21 ⁰ 23	25 ⁰ 40	25 ⁰ 45	13 ⁰ 32	1 ⁰ 33	18 ⁰ 59	29 ⁰ 24	7 ⁰ 10	6 ⁰ 34	10 ⁰ 38	3 ⁰ 27	W29
T 30	7 9 55	17 ⁰ 55'22	17 ⁰ 48	6 ⁰ 32	22 ⁰ 36	25 ⁰ 46	25 ⁰ 49	13 ⁰ 29	1 ⁰ 36	19 ⁰ 2	29 ⁰ 26	7 ⁰ 3	6 ⁰ 31	10 ⁰ 45	3 ⁰ 23	T 30
F 31	7 13 51	18 ⁰ ♂56'29	29 ⁰ ♂37	7 ⁰ ♂41	23 ⁰ ♂50	25 ⁰ ♂52	25 ⁰ Y53	13 ⁰ ♂25	1 ⁰ ♂39	19 ⁰ ♂ 4	29 ⁰ ♂27	6 ⁰ ♂58	6 ⁰ ♂27	10 ⁰ ♂51	3 ⁰ ♂19	F 31