



Astrodienst Ephemeris Tables for the year 1456

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 1456
geocentric

JANUARY 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 14 26	19°37'15	18°32'32	7°55'44	17°R10	2°34'49	17°R14	2°13'13	13°R36	11°8'8	13°R22	26°R24	26°9'9	28°II55	5°R13	T 1
F 2	7 18 23	20° 8'21	2°11'3	8°50'0	17°R7	3°34'17	17°II8	2°19'13	13°R34	11°8'8	13°R21	26°R24	26°6'6	29°2'2	5°R8	F 2
S 3	7 22 19	21° 9'28	15°58'0	9°38'0	17° 1	4°20'17	17° 2	2°24'13	13°32	11°8'8	13°19	26°23	26°2'2	29°8'8	5° 4	S 3
S 4	7 26 16	22°10'33	0°17'20	10°17'0	16°52'0	5° 6	16°57'0	2°30'13	13°29	11°R8	13°18	26°20	25°59'0	29°15'0	5° 0	S 4
M 5	7 30 12	23°11'39	15° 4	10°47'0	16°41'0	5°51'0	16°52'0	2°35'13	13°27	11°8'8	13°17	26°14	25°56'0	29°22'0	4°55'0	M 5
T 6	7 34 9	24°12'44	0°37'7	11°8'8	16°27'0	6°37'0	16°47'0	2°40'13	13°24	11°8'8	13°15	26° 6	25°53'0	29°29'0	4°51'0	T 6
W 7	7 38 6	25°13'48	15°21'0	11°R17	16°11'0	7°22'0	16°42'0	2°45'13	13°22	11°8'8	13°14	25°55'0	25°50'0	29°35'0	4°46'0	W 7
T 8	7 42 2	26°14'52	0°33'3	11°15'0	15°52'0	8° 8	16°37'0	2°51'13	13°20	11°8'8	13°13	25°43'0	25°47'0	29°42'0	4°42'0	T 8
F 9	7 45 59	27°15'54	15°33'0	11° 2	15°32'0	8°54'0	16°32'0	2°56'13	13°17	11°8'8	13°11	25°31'0	25°43'0	29°49'0	4°37'0	F 9
S 10	7 49 55	28°16'56	0°12'12	10°38'0	15° 8	9°40'0	16°28'0	3° 1	13°15	11°8'8	13°10	25°21'0	25°40'0	29°55'0	4°33'0	S 10
S 11	7 53 52	29°17'56	14°24'0	10° 2	14°43'0	10°25'0	16°24'0	3° 6	13°12	11°8'8	13° 9	25°13'0	25°37'0	0°28'2	4°28'0	S 11
M12	7 57 48	0°18'56	28° 5	9°16'0	14°16'0	11°11'0	16°19'0	3°11'13	13° 9	11°7'7	13° 7	25° 9	25°34'0	0° 9	4°24'0	M12
T 13	8 1 45	1°19'54	11°17'17	8°21'0	13°46'0	11°57'0	16°16'0	3°15'13	13° 7	11°7'7	13° 6	25° 7	25°31'0	0°16'0	4°19'0	T 13
W14	8 5 41	2°20'50	24° 3	7°18'0	13°15'0	12°43'0	16°12'0	3°20'13	13° 4	11°7'7	13° 4	25°D6	25°28'0	0°22'0	4°15'0	W14
T 15	8 9 38	3°21'46	6°27'0	6° 9	12°43'0	13°29'0	16° 8	3°25'13	13° 2	11°6'6	13° 3	25°R6	25°24'0	0°29'0	4°10'0	T 15
F 16	8 13 34	4°22'40	18°35'0	4°57'0	12° 9	14°15'0	16° 5	3°29'12	12°59	11°6'6	13° 1	25° 5	25°21'0	0°36'0	4° 5	F 16
S 17	8 17 31	5°23'33	0°12'32	3°43'0	11°33'0	15° 1	16° 2	3°34'12	12°57	11°5'5	13° 0	25° 3	25°18'0	0°42'0	4° 1	S 17
S 18	8 21 28	6°24'24	12°23'0	2°30'0	10°57'0	15°47'0	15°59'0	3°38'12	12°54	11°5'5	12°59	24°58'0	25°15'0	0°49'0	3°56'0	S 18
M19	8 25 24	7°25'14	24°13'0	1°19'0	10°21'0	16°33'0	15°56'0	3°43'12	12°51	11°5'5	12°57	24°50'0	25°12'0	0°56'0	3°52'0	M19
T 20	8 29 21	8°26'03	6°4'0	0°12'0	9°43'0	17°19'0	15°54'0	3°47'12	12°49	11°4'4	12°56	24°39'0	25° 8	1° 3	3°47'0	T 20
W21	8 33 17	9°26'50	18° 0	29°12'11	9° 6	18° 5	15°52'0	3°51'12	12°46	11°3'3	12°54	24°26'0	25° 5	1° 9	3°43'0	W21
T 22	8 37 14	10°27'36	0°12'2	28°17'0	8°29'0	18°51'0	15°50'0	3°55'12	12°44	11°3'3	12°53	24°12'0	25° 2	1°16'0	3°38'0	T 22
F 23	8 41 10	11°28'21	12°13'0	27°30'0	7°52'0	19°37'0	15°48'0	3°59'12	12°41	11°2'2	12°51	23°59'0	24°59'0	1°23'0	3°33'0	F 23
S 24	8 45 7	12°29'04	24°31'0	26°52'0	7°15'0	20°24'0	15°46'0	4° 3	12°38	11°2'2	12°50	23°46'0	24°56'0	1°29'0	3°29'0	S 24
S 25	8 49 4	13°29'46	6°17'59	26°21'0	6°40'0	21°10'0	15°44'0	4° 7	12°36	11°1'1	12°48	23°36'0	24°53'0	1°36'0	3°24'0	S 25
M26	8 53 0	14°30'26	19°37'0	25°58'0	6° 6	21°56'0	15°43'0	4°11'12	12°33	11°0'0	12°47	23°28'0	24°49'0	1°43'0	3°20'0	M26
T 27	8 56 57	15°31'06	2°12'25	25°44'0	5°33'0	22°42'0	15°42'0	4°15'12	12°30	10°59'0	12°46	23°23'0	24°46'0	1°50'0	3°15'0	T 27
W28	9 0 53	16°31'44	15°25'0	25°D37	5° 1	23°29'0	15°41'0	4°18'12	12°28	10°59'0	12°44	23°22'0	24°43'0	1°56'0	3°11'0	W28
T 29	9 4 50	17°32'21	28°39'0	25°37'0	4°32'0	24°15'0	15°40'0	4°22'12	12°25	10°58'0	12°43	23°D21	24°40'0	2° 3	3° 7	T 29
F 30	9 8 46	18°32'56	12°11'10	25°45'0	4° 4	25° 1	15°40'0	4°25'12	12°23	10°57'0	12°41	23°R22	24°37'0	2°10'0	3° 2	F 30
S 31	9 12 43	19°33'31	25°11'58	25°35'0	3°38'0	25°34'0	15°II39	4°17'29	12°R20	10°56'0	12°R40	23°R22	24°R34	2°16'0	2°R58	S 31

Delta T = 06m19s

Julian Calendar 1 Jan. 1456 == Greg. Calendar 10 Jan. 1456

FEBRUARY 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 16 39	20°34'04	10°17'5	26°31'18	3°R14	26°33'4	15°D39	4°17'32	12°R17	10°R55	12°R38	23°R20	24°R30	2°23'23	2°R54	S 1
M 2	9 20 36	21°34'36	24°30'0	26°44'0	2°55'13	27°20'0	15°II39	4°35'12	12°R15	10°R54	12°R37	23°R16	24°27'0	2°30'23	2°R49	M 2
T 3	9 24 32	22°35'07	9°31'10	27°14'0	2°34'0	28° 7	15°40'0	4°38'12	12°12	10°53'0	12°35	23°10'0	24°24'0	2°37'23	2°45'0	T 3
W 4	9 28 29	23°35'37	24° 0	27°50'0	2°17'0	28°53'0	15°40'0	4°41'12	12°10	10°52'0	12°34	23° 1	24°21'0	2°43'23	2°41'0	W 4
T 5	9 32 26	24°36'05	8°33'32	28°30'0	2° 3	29°40'0	15°41'0	4°44'12	12° 7	10°51'0	12°33	22°52'0	24°18'0	2°50'23	2°37'0	T 5
F 6	9 36 22	25°36'31	23°36'0	29°13'0	1°51'0	0°26'26	15°42'0	4°47'12	12° 5	10°50'0	12°31	22°43'0	24°14'0	2°57'23	2°33'0	F 6
S 7	9 40 19	26°36'56	0°12'6	0°12'1	1°42'0	1°13'0	15°43'0	4°50'12	12° 2	10°49'0	12°30	22°34'0	24°11'0	3° 3	2°29'0	S 7
S 8	9 44 15	27°37'18	22°14'0	0°52'0	1°35'0	1°59'0	15°44'0	4°52'12	12° 0	10°48'0	12°28	22°28'0	24° 8	3°10'23	2°25'0	S 8
M 9	9 48 12	28°37'39	5°17'56	1°46'0	1°30'0	2°46'0	15°46'0	4°55'12	11°57	10°47'0	12°27	22°25'0	24° 5	3°17'23	2°21'0	M 9
T 10	9 52 8	29°37'58	19°12'0	2°43'0	1°D29	3°32'0	15°47'0	4°57'12	11°55	10°46'0	12°26	22°D23	24° 2	3°23'23	2°17'0	T 10
W11	9 56 5	0°38'15	2°3'3	3°43'0	1°29'0	4°19'0	15°49'0	5° 0	11°52	10°45'0	12°24	22°24'0	23°59'0	3°30'23	2°13'0	W11
T 12	10 0 1	1°38'30	14°32'0	4°46'0	1°32'0	5° 6	15°51'0	5° 2	11°50	10°44'0	12°23	22°25'0	23°55'0	3°37'23	2°10'0	T 12
F 13	10 3 58	2°38'43	26°44'0	5°51'0	1°37'0	5°52'0	15°54'0	5° 4	11°47	10°43'0	12°21	22°26'0	23°52'0	3°44'23	2° 6	F 13
S 14	10 7 55	3°38'54	8°11'44	6°58'0	1°44'0	6°39'0	15°56'0	5° 6	11°45	10°41'0	12°20	22°R26	23°49'0	3°50'23	2° 2	S 14
S 15	10 11 51	4°39'03	20°37'0	8° 8	1°54'0	7°25'0	15°59'0	5° 8	11°43	10°40'0	12°19	22°24'0	23°46'0	3°57'23	1°59'0	S 15
M16	10 15 48	5°39'10	2°28'28	9°19'0	2° 6	8°12'0	16° 1	5°10'11	11°40	10°39'0	12°17	22°21'0	23°43'0	4° 4	1°55'0	M16
T 17	10 19 44	6°39'15	14°21'0	10°32'0	2°20'0	8°59'0	16° 4	5°12'11	11°38	10°38'0	12°16	22°15'0	23°40'0	4°10'23	1°52'0	T 17
W18	10 23 41	7°39'17	26°20'0	11°47'0	2°36'0	9°45'0	16° 8	5°14'11	11°36	10°36'0	12°15	22° 8	23°36'0	4°17'23	1°49'0	W18
T 19	10 27 37	8°39'17	8°12'29	13° 4	2°54'0	10°32'0	16°11'0	5°15'11	11°33	10°35'0	12°14	22° 0	23°33'0	4°24'23	1°46'0	T 19
F 20	10 31 34	9°39'16	20°48'0	14°23'0	3°14'0	11°19'0	16°15'0	5°17'11	11°31	10°34'0	12°12	21°52'0	23°30'0	4°31'23	1°42'0	F 20
S 21	10 35 30	10°39'12	3°17'20	15°43'0	3°36'0	12° 6	16°18'0	5°18'11	11°29	10°32'0	12°11	21°44'0	23°27'0	4°37'23	1°39'0	S 21
S 22	10 39 27	11°39'06	16° 5	17° 4	3°59'0	12°52'0	16°22'0	5°20'11	11°27	10°31'0	12°10	21°38'0	23°24'0	4°44'23	1°36'0	S 22
M23	10 43 24	12°38'59	29° 3	18°27'0	4°25'0	13°39'0	16°26'0	5°21'11	11°25	10°29'0	12° 9	21°34'0	23°20'0	4°51'23	1°33'0	M23
T 24	10 47 20	13°38'49	12°12'12	19°52'0	4°52'0	14°26'0	16°31'0	5°22'11	11°23	10°28'0	12° 7	21°32'0	23°17'0	4°57'23	1°31'0	T 24
W25	10 51 17	14°38'38	25°33'0	21°18'0	5°20'0	15°12'0	16°35'0	5°23'11	11°20	10°27'0	12° 6	21°D31	23°14'0	5° 4	1°28'0	W25
T 26	10 55 13	15°38'25	9°11'6	22°45'0	5°50'0	15°59'0	16°40'0	5°24'11	11°18	10°25'0	12° 5	21°32'0	23°11'0	5°11'23	1°25'0	T 26
F 27	10 59 10	16°38'10	24°13'0	6°22'0	6°22'0	16°46'0	16°45'0	5°25'11	11°16	10°24'0	12° 4	21°34'0	23° 8	5°18'23	1°23'0	F 27
S 28	11 3 6	17°37'54	6°17'43	25°43'0	6°55'0	17°33'0	16°50'0	5°25'11	11°14	10°22'0	12° 3	21°35'0	23° 5	5°24'23	1°20'0	S 28
S 29	11 7 3	18°37'35	20°17'48	27°15'0	7°30'0	18°19'0	16°II55	5°17'26	11°R12	10°R21	12°R2	21°R36	23°R1	5°R31	1°R18	S 29

Delta T = 06m18s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1456

geocentric

MARCH 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 10 59	19°37'16	5°31	28°47	8°43	19°53	17° 6	5°27	11° 9	10°18	11°59	21°32	22°55	5°45	1°13	T 2
T 2	11 14 56	20°36'54	19°22	0°21	8°43	19°53	17° 6	5°27	11° 9	10°18	11°59	21°32	22°55	5°45	1°13	T 2
W 3	11 18 53	21°36'31	3°45	1°56	9°21	20°40	17°11	5°27	11° 7	10°16	11°58	21°29	22°52	5°51	1°11	W 3
T 4	11 22 49	22°36'05	18° 8	3°33	10° 1	21°27	17°17	5°27	11° 5	10°15	11°57	21°25	22°49	5°58	1° 9	T 4
F 5	11 26 46	23°35'38	2°25	5°10	10°41	22°13	17°23	5°27	11° 3	10°13	11°56	21°20	22°45	6° 5	1° 7	F 5
S 6	11 30 42	24°35'09	16°30	6°49	11°23	23° 0	17°29	5°27	11° 2	10°12	11°55	21°17	22°42	6°11	1° 6	S 6
S 7	11 34 39	25°34'38	0°19	8°30	12° 6	23°47	17°35	5°27	11° 0	10°10	11°54	21°14	22°39	6°18	1° 4	S 7
M 8	11 38 35	26°34'05	13°50	10°11	12°49	24°34	17°42	5°27	10°58	10° 8	11°53	21°13	22°36	6°25	1° 2	M 8
T 9	11 42 32	27°33'29	26°59	11°54	13°34	25°20	17°48	5°27	10°57	10° 7	11°52	21°12	22°33	6°32	1° 1	T 9
W10	11 46 28	28°32'52	9°48	13°39	14°19	26° 7	17°55	5°26	10°55	10° 5	11°51	21°13	22°30	6°38	0°59	W10
T11	11 50 25	29°32'12	22°19	15°24	15° 6	26°54	18° 2	5°26	10°54	10° 4	11°51	21°15	22°26	6°45	0°58	T11
F12	11 54 21	0°31'30	4°11	17°11	15°53	27°41	18° 9	5°25	10°52	10° 2	11°50	21°17	22°23	6°52	0°57	F12
S13	11 58 18	1°30'46	16°36	18°59	16°41	28°28	18°16	5°25	10°51	10° 0	11°49	21°18	22°20	6°58	0°56	S13
S14	12 2 15	2°29'59	28°31	20°49	17°30	29°14	18°24	5°24	10°50	9°59	11°48	21°19	22°17	7° 5	0°55	S14
M15	12 6 11	3°29'10	10°23	22°40	18°20	0°1	18°31	5°23	10°48	9°57	11°47	21°18	22°14	7°12	0°54	M15
T16	12 10 8	4°28'19	22°18	24°33	19°10	0°48	18°39	5°22	10°47	9°55	11°46	21°18	22°11	7°19	0°53	T16
W17	12 14 4	5°27'25	4°19	26°26	20° 1	1°34	18°46	5°21	10°46	9°54	11°46	21°16	22° 7	7°25	0°53	W17
T18	12 18 1	6°26'30	16°31	28°22	20°53	2°21	18°54	5°20	10°45	9°52	11°45	21°14	22° 4	7°32	0°52	T18
F19	12 21 57	7°25'31	28°56	0°18	21°45	3° 8	19° 2	5°18	10°44	9°50	11°44	21°12	22° 1	7°39	0°52	F19
S20	12 25 54	8°24'31	11°38	2°16	22°38	3°55	19°11	5°17	10°43	9°49	11°43	21°10	21°58	7°45	0°51	S20
S21	12 29 50	9°23'28	24°37	4°15	23°31	4°41	19°19	5°16	10°42	9°47	11°43	21° 9	21°55	7°52	0°51	S21
M22	12 33 47	10°22'23	7°54	6°16	24°26	5°28	19°27	5°14	10°41	9°46	11°42	21° 8	21°51	7°59	0°51	M22
T23	12 37 44	11°21'17	21°27	8°18	25°20	6°15	19°36	5°12	10°40	9°44	11°41	21°D 7	21°48	8° 6	0°D51	T23
W24	12 41 40	12°20'08	5°14	10°21	26°15	7° 1	19°44	5°11	10°39	9°42	11°41	21° 8	21°45	8°12	0°51	W24
T25	12 45 37	13°18'57	19°14	12°24	27°11	7°48	19°53	5° 9	10°38	9°41	11°40	21° 8	21°42	8°19	0°51	T25
F26	12 49 33	14°17'45	3°22	14°29	28° 7	8°34	20° 2	5° 7	10°37	9°39	11°40	21° 9	21°39	8°26	0°51	F26
S27	12 53 30	15°16'31	17°35	16°35	29° 4	9°21	20°11	5° 5	10°37	9°37	11°39	21° 9	21°36	8°32	0°52	S27
S28	12 57 26	16°15'15	1°50	18°41	0°1	10° 8	20°20	5° 3	10°36	9°36	11°39	21°10	21°32	8°39	0°52	S28
M29	13 1 23	17°13'57	16° 4	20°48	0°59	10°54	20°29	5° 1	10°35	9°34	11°38	21°R10	21°29	8°46	0°53	M29
T30	13 5 19	18°12'38	0°16	22°54	1°57	11°41	20°39	4°58	10°35	9°32	11°38	21°10	21°26	8°53	0°53	T30
W31	13 9 16	19°11'17	14°21	25°1	2°55	12°27	20°48	4°56	10°34	9°31	11°37	21°10	21°23	8°59	0°54	W31

Delta T = 06m18s

Julian Calendar 1 March 1456 == Greg. Calendar 10 March 1456

APRIL 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 13 13	20°9'54	28°19	27°17	3°54	13°14	20°11	4°R54	10°R34	9°R29	11°R37	21°R10	21°10	9°26	0°55	T 1
F 2	13 17 9	21° 8'30	12° 8	29°13	4°53	14° 0	21° 7	4°51	10°34	9°28	11°37	21°D10	21°16	9°13	0°56	F 2
S 3	13 21 6	22° 7'04	25°44	1°18	5°53	14°47	21°17	4°49	10°33	9°26	11°36	21°10	21°13	9°19	0°57	S 3
S 4	13 25 2	23° 5'36	9°17	3°21	6°53	15°33	21°27	4°46	10°33	9°24	11°36	21°10	21°10	9°26	0°59	S 4
M 5	13 28 59	24° 4'06	22°17	5°23	7°53	16°20	21°37	4°43	10°33	9°23	11°36	21°R10	21° 7	9°33	1° 0	M 5
T 6	13 32 55	25° 2'34	5°11	7°23	8°54	17° 6	21°47	4°40	10°33	9°21	11°36	21°10	21° 4	9°40	1° 1	T 6
W 7	13 36 52	26° 1'01	17°49	9°20	9°55	17°52	21°57	4°37	10°32	9°20	11°35	21° 9	21° 1	9°46	1° 3	W 7
T 8	13 40 48	26°59'25	0°14	11°15	10°56	18°39	22° 8	4°34	10°32	9°18	11°35	21° 9	20°57	9°53	1° 5	T 8
F 9	13 44 45	27°57'48	12°26	13° 8	11°57	19°25	22°18	4°31	10°D32	9°16	11°35	21° 8	20°54	10° 0	1° 6	F 9
S10	13 48 41	28°56'08	24°28	14°57	12°59	20°11	22°29	4°28	10°32	9°15	11°35	21° 7	20°51	10° 7	1° 8	S10
S11	13 52 38	29°54'27	6°24	16°43	14° 1	20°58	22°39	4°25	10°32	9°13	11°35	21° 6	20°48	10°13	1°10	S11
M12	13 56 35	0°52'43	18°17	18°25	15° 4	21°44	22°50	4°22	10°33	9°12	11°35	21° 5	20°45	10°20	1°12	M12
T13	14 0 31	1°50'58	0°11	20° 4	16° 6	22°30	23° 1	4°18	10°33	9°10	11°35	21°D 5	20°42	10°27	1°14	T13
W14	14 4 28	2°49'10	12°11	21°39	17° 9	23°16	23°11	4°15	10°33	9° 9	11°D35	21° 5	20°38	10°33	1°17	W14
T15	14 8 24	3°47'20	24°23	23°10	18°12	24° 2	23°22	4°12	10°33	9° 7	11°35	21° 6	20°35	10°40	1°19	T15
F16	14 12 21	4°45'28	6°49	24°37	19°16	24°49	23°33	4° 8	10°34	9° 6	11°35	21° 7	20°32	10°47	1°21	F16
S17	14 16 17	5°43'35	19°34	26° 0	20°19	25°35	23°44	4° 4	10°34	9° 5	11°35	21° 8	20°29	10°54	1°24	S17
S18	14 20 14	6°41'39	2°41	27°18	21°23	26°21	23°56	4° 1	10°35	9° 3	11°35	21° 9	20°26	11° 0	1°27	S18
M19	14 24 10	7°39'41	16°10	28°33	22°27	27° 7	24° 7	3°57	10°35	9° 2	11°35	21°R10	20°22	11° 7	1°29	M19
T20	14 28 7	8°37'42	0°1	29°43	23°31	27°53	24°18	3°53	10°36	9° 0	11°35	21°10	20°19	11°14	1°32	T20
W21	14 32 4	9°35'41	14°13	0°11	24°35	28°39	24°30	3°50	10°36	8°59	11°35	21° 9	20°16	11°20	1°35	W21
T22	14 36 0	10°33'39	28°39	1°50	25°40	29°25	24°41	3°46	10°37	8°58	11°35	21° 7	20°13	11°27	1°38	T22
F23	14 39 57	11°31'35	13°16	2°47	26°45	0°10	24°53	3°42	10°38	8°56	11°36	21° 4	20°10	11°34	1°41	F23
S24	14 43 53	12°29'30	27°55	3°39	27°50	0°56	25° 4	3°38	10°39	8°55	11°36	21° 1	20° 7	11°41	1°45	S24
S25	14 47 50	13°27'23	12°31	4°26	28°55	1°42	25°16	3°34	10°39	8°54	11°36	20°59	20° 3	11°47	1°48	S25
M26	14 51 46	14°25'15	26°58	5° 9	0°1	2°28	25°28	3°30	10°40	8°52	11°37	20°57	20° 0	11°54	1°51	M26
T27	14 55 43	15°23'06	11°12	5°47	1° 6	3°14	25°39	3°26	10°41	8°51	11°37	20°D56	19°57	12° 1	1°55	T27
W28	14 59 39	16°20'56	25°11	6°20	2°12	3°59	25°51	3°22	10°42	8°50	11°37	20°56	19°54	12° 8	1°59	W28
T29	15 3 36	17°18'44	8°55	6°48	3°18	4°45	26° 3	3°17	10°43	8°49	11°38	20°57	19°51	12°14	2° 2	T29
F30	15 7 33	18°16'31	22°23	7°11	4°17	5°31	26°15	3°13	10°44	8°47	11°38	20°59	19°48	12°21	2° 6	F30

Delta T = 06m18s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1456

geocentric

MAY 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 11 29	19°8'14"17	5°V36	7°II30	5°V30	6°V16	26°II27	3°R 9	10°Ω46	8°R46	11°Ω39	21°Ω 0	19°Ω44	12°Ω28	2°Ω10	S 1
S 2	15 15 26	20°12'02	18°35	7°43	6°36	7° 2	26°40	3°X 5	10°47	8°Ω45	11°39	21°R 1	19°41	12°34	2°14	S 2
M 3	15 19 22	21° 9'46	18°22	7°52	7°43	7°47	26°52	3° 1	10°48	8°44	11°40	21° 1	19°38	12°41	2°18	M 3
T 4	15 23 19	22° 7'28	13°57	7°R56	8°49	8°33	27° 4	2°56	10°49	8°43	11°40	20°59	19°35	12°48	2°22	T 4
W 5	15 27 15	23° 5'10	26°22	7°55	9°56	9°18	27°16	2°52	10°51	8°42	11°41	20°55	19°32	12°55	2°26	W 5
T 6	15 31 12	24° 2'50	8°II36	7°50	11° 3	10° 3	27°29	2°48	10°52	8°41	11°41	20°50	19°28	13° 1	2°31	T 6
F 7	15 35 8	25° 0'28	20°42	7°40	12°10	10°49	27°41	2°43	10°54	8°40	11°42	20°45	19°25	13° 8	2°35	F 7
S 8	15 39 5	25°58'06	2°Ω41	7°26	13°17	11°34	27°54	2°39	10°55	8°39	11°42	20°38	19°22	13°15	2°39	S 8
S 9	15 43 2	26°55'42	14°35	7° 8	14°24	12°19	28° 6	2°34	10°57	8°38	11°43	20°32	19°19	13°21	2°44	S 9
M10	15 46 58	27°53'16	26°26	6°46	15°32	13° 4	28°19	2°30	10°58	8°37	11°44	20°27	19°16	13°28	2°49	M10
T 11	15 50 55	28°50'49	8°Ω20	6°22	16°39	13°49	28°31	2°26	11° 0	8°36	11°45	20°24	19°13	13°35	2°53	T 11
W12	15 54 51	29°48'21	20°18	5°54	17°47	14°34	28°44	2°21	11° 2	8°35	11°45	20°21	19° 9	13°42	2°58	W12
T 13	15 58 48	0°II45'51	2°II27	5°24	18°54	15°19	28°57	2°17	11° 3	8°34	11°46	20°D21	19° 6	13°48	3° 3	T 13
F 14	16 2 44	1°43'20	14°50	4°53	20° 2	16° 4	29°10	2°12	11° 5	8°33	11°47	20°22	19° 3	13°55	3° 8	F 14
S 15	16 6 41	2°40'48	27°33	4°20	21°10	16°49	29°22	2° 8	11° 7	8°32	11°48	20°23	19° 0	14° 2	3°13	S 15
S 16	16 10 37	3°38'15	10°Ω39	3°46	22°18	17°34	29°35	2° 3	11° 9	8°32	11°49	20°24	18°57	14° 9	3°18	S 16
M17	16 14 34	4°35'40	24°12	3°13	23°26	18°19	29°48	1°59	11°11	8°31	11°49	20°R25	18°53	14°15	3°23	M17
T 18	16 18 31	5°33'04	8°II11	2°40	24°34	19° 4	0°Ω 1	1°55	11°13	8°30	11°50	20°23	18°50	14°22	3°29	T 18
W19	16 22 27	6°30'27	22°37	2° 7	25°43	19°48	0°14	1°50	11°15	8°29	11°51	20°20	18°47	14°29	3°34	W19
T 20	16 26 24	7°27'49	7°X23	1°37	26°51	20°33	0°27	1°46	11°17	8°29	11°52	20°15	18°44	14°35	3°39	T 20
F 21	16 30 20	8°25'10	22°22	1° 9	28° 0	21°17	0°40	1°41	11°19	8°28	11°53	20° 8	18°41	14°42	3°45	F 21
S 22	16 34 17	9°22'31	7°Ω26	0°43	29° 8	22° 2	0°53	1°37	11°21	8°28	11°54	20° 1	18°38	14°49	3°50	S 22
S 23	16 38 13	10°19'51	22°25	0°20	0°Ω17	22°46	1° 6	1°33	11°23	8°27	11°55	19°54	18°34	14°56	3°56	S 23
M24	16 42 10	11°17'10	7°Ω11	0° 1	1°26	23°31	1°19	1°28	11°26	8°26	11°56	19°48	18°31	15° 2	4° 1	M24
T 25	16 46 6	12°14'29	21°36	29°Ω45	2°35	24°15	1°32	1°24	11°28	8°26	11°57	19°45	18°28	15° 9	4° 7	T 25
W26	16 50 3	13°11'47	5°Ω40	29°33	3°44	24°59	1°46	1°20	11°30	8°25	11°58	19°43	18°25	15°16	4°13	W26
T 27	16 54 0	14° 9'05	19°20	29°26	4°53	25°44	1°59	1°15	11°33	8°25	11°59	19°D43	18°22	15°23	4°19	T 27
F 28	16 57 56	15° 6'22	2°V38	29°D23	6° 2	26°28	2°12	1°11	11°35	8°24	12° 1	19°43	18°19	15°29	4°25	F 28
S 29	17 1 53	16° 3'40	15°37	29°24	7°11	27°12	2°25	1° 7	11°37	8°24	12° 2	19°R44	18°15	15°36	4°31	S 29
S 30	17 5 49	17° 0'56	28°21	29°30	8°20	27°56	2°39	1° 3	11°40	8°24	12° 3	19°44	18°12	15°43	4°37	S 30
M31	17 9 46	17°II58'13	10°Ω51	29°Ω40	9°Ω30	28°V40	2°Ω52	0°X58	11°Ω42	8°Ω23	12°Ω 4	19°Ω42	18°Ω 9	15°Ω49	4°Ω43	M31

Delta T = 06m18s

Julian Calendar 1 May 1456 == Greg. Calendar 10 May 1456

JUNE 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 13 42	18°II55'29	23°Ω10	29°Ω56	10°Ω39	29°V24	3°Ω 5	0°R54	11°Ω45	8°R23	12°Ω 5	19°R37	18°Ω 6	15°Ω56	4°Ω49	T 1
W 2	17 17 39	19°52'45	5°II15	0°II15	11°48	0°Ω 8	3°19	0°X50	11°48	8°Ω23	12° 7	19°Ω30	18° 3	16° 3	4°55	W 2
T 3	17 21 35	20°50'00	17°25	0°40	12°58	0°52	3°32	0°46	11°50	8°22	12° 8	19°21	17°59	16°10	5° 2	T 3
F 4	17 25 32	21°47'15	29°23	1° 8	14° 8	1°35	3°45	0°42	11°53	8°22	12° 9	19°10	17°56	16°16	5° 8	F 4
S 5	17 29 29	22°44'30	11°Ω18	1°42	15°17	2°19	3°59	0°38	11°56	8°22	12°10	18°58	17°53	16°23	5°14	S 5
S 6	17 33 25	23°41'44	23°10	2°19	16°27	3° 3	4°12	0°34	11°58	8°22	12°12	18°46	17°50	16°30	5°21	S 6
M 7	17 37 22	24°38'58	5°Ω 1	3° 2	17°37	3°46	4°26	0°30	12° 1	8°22	12°13	18°36	17°47	16°36	5°27	M 7
T 8	17 41 18	25°36'11	16°55	3°48	18°47	4°29	4°39	0°27	12° 4	8°22	12°15	18°28	17°44	16°43	5°34	T 8
W 9	17 45 15	26°33'24	28°53	4°39	19°57	5°13	4°52	0°23	12° 7	8°22	12°16	18°22	17°40	16°50	5°40	W 9
T 10	17 49 11	27°30'36	11°II 0	5°33	21° 7	5°56	5° 6	0°19	12°10	8°D22	12°17	18°19	17°37	16°57	5°47	T 10
F 11	17 53 8	28°27'47	23°21	6°32	22°17	6°39	5°19	0°16	12°12	8°22	12°19	18°D17	17°34	17° 3	5°54	F 11
S 12	17 57 4	29°24'59	6°Ω 0	7°35	23°27	7°23	5°33	0°12	12°15	8°22	12°20	18°17	17°31	17°10	6° 1	S 12
S 13	18 1 1	0°Ω22'09	19° 1	8°43	24°37	8° 6	5°46	0° 8	12°18	8°22	12°22	18°R18	17°28	17°17	6° 7	S 13
M14	18 4 58	1°19'20	2°II29	9°54	25°48	8°49	6° 0	0° 5	12°21	8°22	12°23	18°17	17°25	17°24	6°14	M14
T 15	18 8 54	2°16'30	16°26	11° 8	26°58	9°32	6°13	0° 1	12°24	8°22	12°25	18°14	17°21	17°30	6°21	T 15
W16	18 12 51	3°13'40	0°X53	12°27	28° 9	10°14	6°27	29°II58	12°28	8°22	12°26	18° 9	17°18	17°37	6°28	W16
T 17	18 16 47	4°10'50	15°44	13°50	29°19	10°57	6°41	29°55	12°31	8°22	12°28	18° 2	17°15	17°44	6°35	T 17
F 18	18 20 44	5° 7'59	0°Ω54	15°16	0°II30	11°40	6°54	29°52	12°34	8°22	12°29	17°53	17°12	17°50	6°42	F 18
S 19	18 24 40	6° 5'09	16°13	16°46	1°40	12°23	7° 8	29°49	12°37	8°23	12°31	17°42	17° 9	17°57	6°49	S 19
S 20	18 28 37	7° 2'19	1°Ω28	18°20	2°51	13° 5	7°21	29°45	12°40	8°23	12°32	17°32	17° 5	18° 4	6°56	S 20
M21	18 32 34	7°59'29	16°30	19°57	4° 1	13°48	7°35	29°42	12°43	8°23	12°34	17°24	17° 2	18°11	7° 3	M21
T 22	18 36 30	8°56'39	1°X 9	21°38	5°12	14°30	7°48	29°39	12°46	8°24	12°35	17°17	16°59	18°17	7°11	T 22
W23	18 40 27	9°53'50	15°22	23°22	6°23	15°12	8° 2	29°37	12°50	8°24	12°37	17°13	16°56	18°24	7°18	W23
T 24	18 44 23	10°51'01	29° 8	25° 9	7°34	15°55	8°15	29°34	12°53	8°25	12°39	17°12	16°53	18°31	7°25	T 24
F 25	18 48 20	11°48'13	12°V26	27° 0	8°45	16°37	8°29	29°31	12°56	8°25	12°40	17°12	16°50	18°38	7°32	F 25
S 26	18 52 16	12°45'25	25°21	28°53	9°56	17°19	8°42	29°28	13° 0	8°25	12°42	17°11	16°46	18°44	7°40	S 26
S 27	18 56 13	13°42'38	7°Ω57	0°Ω49	11° 7	18° 1	8°56	29°26	13° 3	8°26	12°44	17°10	16°43	18°51	7°47	S 27
M28	19 0 9	14°39'52	20°18	2°48	12°18	18°43	9° 9	29°23	13° 6	8°26	12°45	17° 7	16°40	18°58	7°54	M28
T 29	19 4 6	15°37'06	2°II28	4°48	13°29	19°25	9°23	29°21	13°10	8°27	12°47	17° 2	16°37	19° 4	8° 2	T 29
W30	19 8 2	16°Ω34'21	14°II30	6°Ω51	14°II41	20°Ω 6	9°Ω36	29°II19	13°Ω13	8°Ω28	12°Ω49	16°Ω53	16°Ω34	19°Ω11	8°Ω 9	W30

Delta T = 06m18s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1456

geocentric

JULY 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day							
T 1	19 11 59	17°31'36	26°11'26	8°55'55	15°11'52	20°08'48	9°55'50	29°R16	13°01'17	8°28'28	12°01'50	16°R42	16°21'31	19°25'18	8°01'17	T 1							
F 2	19 15 56	18°28'52	8°20'20	11° 1' 17° 3	21°30' 10° 3	29°11'14	13°20' 8°29	12°52' 16°29	16°27' 19°25	8°24' 8°32	S 3	19 19 52	19°26'08	20°12' 13° 7	18°15' 22°11	10°16' 29°12	13°24' 8°30	12°54' 16°15	16°24' 19°31	8°32' 8°39	S 4		
S 3	19 23 49	20°23'25	2°02' 4	15°15' 19°26	22°53' 10°30	29°10' 13°27	8°30' 12°56	16° 1' 16°21	19°38' 8°39	M 5	19 27 45	21°20'43	13°57' 17°22	20°38' 23°34	10°43' 29° 8	13°31' 8°31	12°57' 15°49	16°18' 19°45	8°47' 8°54	T 6			
M 5	19 31 42	22°18'01	25°54' 19°30	21°49' 24°15	10°57' 29° 7	13°34' 8°32	12°59' 15°38	16°15' 19°52	8°54' 9° 2	W 7	19 35 38	23°15'19	7°11'56	21°37' 23° 1	24°56' 11°10	29° 5	13°38' 8°33	13° 1' 15°31	16°11' 19°58	9° 2' 9°10	T 8		
W 7	19 39 35	24°12'38	20° 6' 23°44	24°13' 25°37	11°23' 29° 3	13°41' 8°34	13° 3' 15°27	16° 8' 20° 5	9°10' 9°17	F 9	19 43 31	25° 9'57	2°28' 25°51	25°24' 26°18	11°37' 29° 2	13°45' 8°35	13° 5' 15°24	16° 5' 20°12	9°17' 9°25	S 10			
F 9	19 47 28	26° 7'17	15° 6' 27°56	26°36' 11°50	29° 0' 13°48	8°36' 13° 6	15°D24	16° 2' 20°18	S 11	19 51 25	27° 4'37	28° 4' 0°01	1' 27°48	27°40' 12° 3	28°59' 13°52	8°36' 13° 8	15°R24	15°59' 20°25	9°33' 9°41	M 12			
S 11	19 55 21	28° 1'58	11°11'27	2° 4' 29° 0	28°21' 12°16	28°58' 13°56	8°37' 13°10	15°23' 15°56	20°32' 9°41	T 13	19 59 18	28°59'19	25°16' 4° 6	0°52' 29° 1	12°30' 28°56	13°59' 8°38	13°12' 15°21	15°52' 20°39	9°48' 9°56	W 14			
T 13	20 3 14	29°56'41	9°27'34	6° 7' 1°24	29°42' 12°43	28°55' 14° 3	8°39' 13°14	15°17' 15°49	20°45' 9°56	T 15	20 7 11	0°01'54'04	24°17' 8° 7	2°36' 0°11'22	12°56' 28°54	14° 6' 8°41	13°15' 15°10	15°46' 20°52	10° 4' 10°12	F 16			
W 14	20 11 7	1°51'27	9°32'22	10° 4' 3°48	1° 2' 13° 9	28°54' 14°10	8°42' 13°17	15° 1' 15°43	20°59' 10°12	S 17	20 15 4	2°48'52	24°38' 12° 1	5° 0' 1°42	13°22' 28°53	14°14' 8°43	13°19' 14°51	15°40' 21° 5	10°19' 10°27	S 18			
S 17	20 19 1	3°46'16	9°28'56	13°56' 6°12	2°23' 13°35	28°52' 14°17	8°44' 13°21	14°41' 15°37	21°12' 10°27	M 19	20 22 57	4°43'42	25° 4' 15°49	7°25' 3° 3	13°48' 28°51	14°21' 8°45	13°23' 14°33	15°33' 21°19	10°35' 10°43	T 20			
M 19	20 26 54	5°41'09	9°28'51	17°41' 8°37	3°42' 14° 1	28°51' 14°25	8°46' 13°25	14°26' 15°30	21°26' 10°43	T 22	20 30 50	6°38'38	24°13' 19°31	9°49' 4°22	14°14' 28°51	14°29' 8°48	13°27' 14°23	15°27' 21°32	10°51' 10°59	T 22			
T 22	20 34 47	7°36'07	8°11' 6	21°20' 11° 2	5° 2' 14°27	28°50' 14°32	8°49' 13°28	14°21' 15°24	21°39' 10°59	F 23	20 38 43	8°33'38	21°30' 23° 7	12°14' 5°42	14°40' 28°50	14°36' 8°50	13°30' 14°D21	15°21' 21°46	11° 6' 11°14	S 24			
F 23	20 42 40	9°31'11	4°28'29	24°52' 13°27	6°21' 14°53	28°50' 14°40	8°51' 13°32	14°R22	15°17' 21°53	S 25	20 46 36	10°28'44	17° 5' 26°36	14°39' 7° 0	15° 6' 28°D50	14°43' 8°53	13°34' 14°22	15°14' 21°59	11°22' 11°30	M 26			
S 25	20 50 33	11°26'20	29°24' 28°19	15°52' 7°40	15°19' 28°50	14°47' 8°54	13°36' 14°20	15°11' 22° 6	11°30' 11°38	T 27	20 54 29	12°23'56	11°11'30	29°59' 17° 5	8°19' 15°31	28°50' 14°51	8°55' 13°38	14°16' 15° 8	22°13' 11°46	W 28			
T 27	20 58 26	13°21'35	23°28' 11°11'39	18°17' 8°58	15°44' 28°50	14°55' 8°57	13°40' 14°10	15° 5' 22°19	11°46' 11°54	T 29	21 2 23	14°19'15	5°21' 3'17	19°30' 9°37	15°57' 28°51	14°58' 8°58	13°42' 14° 1	15° 2' 22°26	11°54' 12° 2	F 30			
W 28	21 6 19	15°16'56	17°13' 4°53	20°43' 10°16	16° 9' 28°51	15° 2' 9° 0	13°43' 13°51	14°58' 22°33	12° 2' 12°01	S 31	21 10 16	16°01'438	29°25' 5	6°11'28	21°25'56	10°11'54	16°22'22	13°01'45	13°22'40	14°22'55	22°22'40	12°01'17	S 1

Delta T = 06m18s

Julian Calendar 1 July 1456 == Greg. Calendar 10 July 1456

AUGUST 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day						
S 1	21 14 12	17°01'22	11°02' 0	8°11' 23°29	11°11'33	16°26'34	28°11'52	15°01'10	9°21' 3	13°01'47	13°R29	14°21'52	22°25'46	12°01'17	S 1							
M 2	21 18 9	18°10'08	22°59' 9°34	11° 5' 25°35	12°50' 16°59	28°54' 15°17	9° 6' 13°51	13°12' 14°46	23° 0' 12°33	T 3	21 22 5	19° 7'54	5°11' 12°34	26°48' 13°28	17°11' 28°55	15°21' 9° 8	13°53' 13° 6	14°43' 23° 6	12°41' 12°49	T 5		
T 3	21 22 5	19° 7'54	5°11' 12°34	26°48' 13°28	17°11' 28°55	15°21' 9° 8	13°53' 13° 6	14°43' 23° 6	12°41' 12°49	T 5	21 29 58	21° 3'32	29°35' 14° 1	28° 1' 14° 6	17°24' 28°56	15°24' 9° 9	13°55' 13° 3	14°39' 23°13	12°49' 12°57	F 6		
W 4	21 26 2	20° 5'43	17°15' 12°34	26°48' 13°28	17°11' 28°55	15°21' 9° 8	13°53' 13° 6	14°43' 23° 6	12°41' 12°49	T 5	21 33 55	22° 1'23	12°21' 15°27	29°14' 14°44	17°36' 28°57	15°28' 9°11	13°57' 13°D 2	14°36' 23°20	12°57' 13° 4	S 7		
T 5	21 29 58	21° 3'32	29°35' 14° 1	28° 1' 14° 6	17°24' 28°56	15°24' 9° 9	13°55' 13° 3	14°39' 23°13	12°49' 12°57	F 6	21 37 52	22°59'14	24°51' 16°52	0°01'27	15°22' 17°48	28°58' 15°32	9°12' 13°58	13° 3' 14°33	23°27' 13° 4	S 7		
F 6	21 33 55	22° 1'23	12°21' 15°27	29°14' 14°44	17°36' 28°57	15°28' 9°11	13°57' 13°D 2	14°36' 23°20	12°57' 13° 4	S 7	S 8	21 41 48	23°57'08	7°11'52	18°15' 1°41	16° 0' 18° 0	29° 0' 15°36	9°14' 14° 0	13° 4' 14°30	23°33' 13°12	S 8	
S 7	21 37 52	22°59'14	24°51' 16°52	0°01'27	15°22' 17°48	28°58' 15°32	9°12' 13°58	13° 3' 14°33	23°27' 13° 4	S 7	M 9	21 45 45	24°55'02	21°13' 19°36	2°54' 16°37	18°12' 29° 1	15°39' 9°16	14° 2' 13°R 5	14°27' 23°40	13°20' 13°28	M 9	
S 8	21 41 48	23°57'08	7°11'52	18°15' 1°41	16° 0' 18° 0	29° 0' 15°36	9°14' 14° 0	13° 4' 14°30	23°33' 13°12	S 8	T 10	21 49 41	25°52'58	4°27'57	20°56' 4° 7	17°15' 18°24	29° 3' 15°43	9°18' 14° 4	13° 4' 14°23	23°47' 13°28	T 10	
M 9	21 45 45	24°55'02	21°13' 19°36	2°54' 16°37	18°12' 29° 1	15°39' 9°16	14° 2' 13°R 5	14°27' 23°40	13°20' 13°28	M 9	W 11	21 53 38	26°50'55	19° 3' 22°14	5°21' 17°52	18°36' 29° 4	15°47' 9°19	14° 6' 13° 2	14°20' 23°54	13°36' 13°36	W 11	
T 10	21 49 41	25°52'58	4°27'57	20°56' 4° 7	17°15' 18°24	29° 3' 15°43	9°18' 14° 4	13° 4' 14°23	23°47' 13°28	T 10	T 12	21 57 34	27°48'54	3°32'32	23°30' 6°34	18°29' 18°48	29° 6' 15°50	9°21' 14° 8	12°58' 14°17	24° 0' 13°43	T 12	
W 11	21 53 38	26°50'55	19° 3' 22°14	5°21' 17°52	18°36' 29° 4	15°47' 9°19	14° 6' 13° 2	14°20' 23°54	13°36' 13°36	W 11	F 13	22 1 31	28°46'54	18°19' 24°45	7°48' 19° 6	19° 0' 29° 8	15°54' 9°23	14° 9' 12°53	14°14' 24° 7	13°51' 13°59	F 13	
T 12	21 57 34	27°48'54	3°32'32	23°30' 6°34	18°29' 18°48	29° 6' 15°50	9°21' 14° 8	12°58' 14°17	24° 0' 13°43	T 12	S 14	22 5 27	29°44'55	3°28'19	25°58' 9° 1	19°43' 19°12	29°10' 15°58	9°25' 14°11	12°47' 14°11	24°14' 13°59	S 14	
F 13	22 1 31	28°46'54	18°19' 24°45	7°48' 19° 6	19° 0' 29° 8	15°54' 9°23	14° 9' 12°53	14°14' 24° 7	13°51' 13°59	F 13	S 15	22 9 24	0°11'42'57	18°22' 27° 9	10°15' 20°20	19°23' 29°12	16° 1' 9°26	14°13' 12°41	14° 8' 24°20	14° 7' 14°14	M 16	
S 14	22 5 27	29°44'55	3°28'19	25°58' 9° 1	19°43' 19°12	29°10' 15°58	9°25' 14°11	12°47' 14°11	24°14' 13°59	S 14	M 16	22 13 21	1°41'02	3°11'20	28°17' 11°28	20°57' 19°35	29°14' 16° 5	9°28' 14°15	12°35' 14° 4	24°27' 14°14	14°14' 14°14	M 16
S 15	22 9 24	0°11'42'57	18°22' 27° 9	10°15' 20°20	19°23' 29°12	16° 1' 9°26	14°13' 12°41	14° 8' 24°20	14° 7' 14°14	M 16	T 17	22 17 17	2°39'08	18° 3' 29°24	12°42' 21°33	19°46' 29°16	16° 9' 9°30	14°17' 12°31	14° 1' 24°34	14°22' 14°22	T 17	
M 16	22 13 21	1°41'02	3°11'20	28°17' 11°28	20°57' 19°35	29°14' 16° 5	9°28' 14°15	12°35' 14° 4	24°27' 14°14	M 16	W 18	22 21 14	3°37'15	2°11'25	0°28'28	13°56' 22° 9	19°58' 29°18	16°12' 9°32	14°19' 12°29	13°58' 24°41	14°30' 14°30	W 18
T 17	22 17 17	2°39'08	18° 3' 29°24	12°42' 21°33	19°46' 29°16	16° 9' 9°30	14°17' 12°31	14° 1' 24°34	14°22' 14°22	T 17	T 19	22 25 10	4°35'25	16°22' 1°31	15° 9' 22°46	20° 9' 29°20	16°16' 9°34	14°20' 12°D29	13°55' 24°47	14°37' 14°37	T 19	
W 18	22 21 14	3°37'15	2°11'25	0°28'28	13°56' 22° 9	19°58' 29°18	16°12' 9°32	14°19' 12°29	13°58' 24°41	14°30' 14°30	F 20	22 29 7	5°33'36	29°51' 2°30	16°23' 23°22	20°20' 29°23	16°19' 9°36	14°22' 12°30	13°52' 24°54	14°45' 14°45	F 20	
T 19	22 25 10	4°35'25	16°22' 1°31	15° 9' 22°46	20° 9' 29°20	16°16' 9°34	14°20' 12°D29	13°55' 24°47	14°37' 14°37	T 19	S 21	22 33 3	6°31'50	12°28'54	3°27' 17°37	23°58' 20°32	29°25' 16°23	9°38' 14°24	12°31' 13°48	25° 1' 14°52	S 21	
F 20	22 29 7	5°33'36	29°51' 2°30	16°23' 23°22	20°20' 29°23	16°19' 9°36	14°22' 12°30	13°52' 24°54	14°45' 14°45	F 20	S 22	22 37 0	7°30'06	25°35' 4°21	18°51' 24°34	20°43' 29°28	16°27' 9°40	14°26' 12°33	13°45' 25° 7	15° 0' 15° 8	S 22	
S 21	22 33 3	6°31'50	12°28'54	3°27' 17°37	23°58' 20°32	29°25' 16°23	9°38' 14°24	12°31' 13°48	25° 1' 14°52	S 21	M 23	22 40 56	8°28'24	7°11'57	5°13' 20° 5	25° 9' 20°54	29°31' 16°30	9°42' 14°27	12°R33	13°42' 25°14	15° 8' 15°15	M 23
S 22	22 37 0	7°30'06	25°35' 4°21	18°51' 24°34	20°43' 29°28	16°27' 9°40	14°26' 12°33	13°45' 25° 7	15° 0' 15° 8	S 22	T 24	22 44 53	9°26'44	20° 4' 6° 1	21°19' 25°45	21° 5' 29°33	16°34' 9°44	14°29' 12°33	13°39' 25°21	15°15' 15°23	T 24	
M 23	22 40 56	8°28'24	7°11'57	5°13' 20° 5	25° 9' 20°54	29°31' 16°30	9°42' 14°27	12°R33	13°42' 25°14	15° 8' 15°15	W 25	22 48 50	10°25'06	2°28' 2	6°45' 22°33	26°20' 21°16	29°36' 16°37	9°46' 14°31	12°31' 13°36	25°28' 15°23	W 25	
T 24	22 44 53	9°26'44	20° 4' 6° 1	21°19' 25°45	21° 5' 29°33	16°34' 9°44	14°29' 12°33	13°39' 25°21	15°15' 15°23	T 24	T 26	22 52 46	11°23'30	13°55' 7°26	23°47' 26°55	21°26' 29°39	16°41' 9°48	14°33' 12°27	13°33' 25°34	15°30' 15°37	T 26	
W 25	22 48 50	10°25'06	2°28' 2	6°45' 22°33	26°20' 21°16	29°36' 16°37	9°46' 14°31	12°31' 13°36	25°28' 15°23	W 25	F 27	22 56 43	12°21'56	25°47' 8° 4	25° 1' 27°30	21°37' 29°42	16°44' 9°50	14°34' 12°23	13°29' 25°41	15°37' 15°45	F 27	
T 26	22 52 46	11°23'30	13°55' 7°26	23°47' 26°55	21°26' 29°39	16°41' 9°48	14°33' 12°27	13°33' 25°34	15°30' 15°37	F 27	S 28	23 0 39	13°20'24	7°01'41	8°36' 26°15	28° 5' 21°48	29°46' 16°47	9°52' 14°36	12°18' 13°26	25°48' 15°45	S 28	
F 27	22 56 43	12°21'56	25°47' 8° 4	25° 1' 27°30	21°37' 29°42	16°44' 9°50	14°34' 12°23	13°29' 25°41	15°37' 15°45	F 27	S 29	23 4 36	14°18'55	19°40' 9° 5	27°29' 28°40	21°58' 29°49	16°51' 9°54	14°38' 12°13	13°23' 25°55	15°52' 15°52	S 29	
S 28	23 0 39	13°20'24	7°01'41	8°36' 26°15	28° 5' 21°48	29°46' 16°47	9°52' 14°36	12°18' 13°26	25°48' 15°45	S 28	M 30	23 8 32	15°17'27	1°11'47	9°28' 28°44	29°14' 22° 9	29°52' 16°54	9°56' 14°39	12° 8' 13°20	26° 1' 16° 0	M 30	
S 29	23 4 36	14°18'55	19°40' 9° 5	27°29' 28°40	21°58' 29°49	16°51' 9°54	14°38' 12°13	13°23' 25°55	15°52' 15°52	S 29	T 31	23 12 29	16°11'01	14°11' 2	9°28'46	29°01'58	22°22'19	29°11'55	16°01'58	9°28'46	16°01'58	T 31
M 30	23 8 32	15°17'27	1°11'47	9°28' 28°44	29°14' 22° 9	29°52' 16°54	9°56' 14°39	12° 8' 13°20	26° 1' 16° 0	M 30												
T 31	23 12 29	16°11'01	14°11' 2	9°28'46	29°01'58	22°22'19	29°11'55	16°01'58	9°28'46	16°01'58												

Delta T = 06m17s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1456

geocentric

SEPTEMBER 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 16 25	17 ¹⁷ 14'37"	26 ¹⁷ 28	9 ¹⁵ 59	1 ¹⁷ 12	0 ²² 23	22 ²² 29	29 ¹⁸ 59	17 ¹⁷ 11	10 ¹⁰ 0	14 ¹⁴ 43	12 ¹² R 3	13 ¹³ 14	26 ²⁶ 15	16 ¹⁶ 14	W 1
T 2	23 20 22	18 ¹⁸ 13'15"	9 ⁹ 4	10° 6	2°26	0°57	22°39	0 ⁰ 2	17° 4	10° 2	14°44	12°D 2	13°10	26°21	16°21	T 2
F 3	23 24 18	19°11'55"	21°53	10°R 6	3°41	1°31	22°49	0° 6	17° 8	10° 4	14°46	12 ¹² 2	13° 7	26°28	16°28	F 3
S 4	23 28 15	20°10'37"	4 ⁴ 15.4	10° 0	4°55	2° 4	22°59	0°10	17°11	10° 6	14°47	12° 3	13° 4	26°35	16°36	S 4
S 5	23 32 12	21° 9'21"	18° 9	9°47	6°10	2°38	23° 9	0°14	17°14	10° 8	14°49	12° 4	13° 1	26°42	16°43	S 5
M 6	23 36 8	22° 8'06"	1 ¹ 39	9°27	7°24	3°11	23°19	0°18	17°18	10°11	14°51	12° 6	12°58	26°48	16°50	M 6
T 7	23 40 5	23° 6'53"	15°25	8°59	8°39	3°44	23°29	0°22	17°21	10°13	14°52	12° 7	12°54	26°55	16°57	T 7
W 8	23 44 1	24° 5'42"	29°25	8°25	9°53	4°17	23°38	0°26	17°24	10°15	14°54	12°R 7	12°51	27° 2	17° 4	W 8
T 9	23 47 58	25° 4'33"	13 ¹³ 40	7°43	11° 8	4°49	23°47	0°30	17°27	10°17	14°55	12° 6	12°48	27° 8	17°11	T 9
F 10	23 51 54	26° 3'25"	28° 8	6°54	12°22	5°22	23°57	0°34	17°30	10°19	14°57	12° 5	12°45	27°15	17°18	F 10
S 11	23 55 51	27° 2'19"	12 ¹² 43	5°59	13°37	5°54	24° 6	0°38	17°33	10°21	14°58	12° 3	12°42	27°22	17°24	S 11
S 12	23 59 47	28° 1'15"	27°21	4°59	14°51	6°26	24°15	0°43	17°36	10°24	15° 0	12° 1	12°39	27°29	17°31	S 12
M13	0 3 44	29° 0'13"	11 ¹¹ 55	3°54	16° 6	6°58	24°24	0°47	17°39	10°26	15° 1	11°59	12°35	27°35	17°38	M13
T 14	0 7 41	29°59'12"	26°20	2°47	17°21	7°30	24°33	0°51	17°42	10°28	15° 3	11°58	12°32	27°42	17°45	T 14
W15	0 11 37	0 ⁰ 58'14"	10 ¹⁰ Y29	1°38	18°35	8° 1	24°41	0°56	17°45	10°30	15° 4	11°D58	12°29	27°49	17°51	W15
T 16	0 15 34	1°57'18"	24°18	0°30	19°50	8°32	24°50	1° 1	17°48	10°32	15° 5	11°58	12°26	27°55	17°58	T 16
F 17	0 19 30	2°56'23"	7 ⁷ 45	29 ²⁹ 12.4	21° 5	9° 3	24°59	1° 5	17°51	10°35	15° 7	11°59	12°23	28° 2	18° 4	F 17
S 18	0 23 27	3°55'32"	20°50	28°22	22°20	9°34	25° 7	1°10	17°54	10°37	15° 8	12° 0	12°19	28° 9	18°11	S 18
S 19	0 27 23	4°54'42"	3 ³ 13.4	27°26	23°35	10° 4	25°15	1°15	17°57	10°39	15° 9	12° 0	12°16	28°16	18°17	S 19
M20	0 31 20	5°53'55"	15°59	26°37	24°49	10°35	25°23	1°20	18° 0	10°41	15°11	12° 1	12°13	28°22	18°23	M20
T 21	0 35 16	6°53'10"	28° 9	25°58	26° 4	11° 5	25°31	1°25	18° 2	10°44	15°12	12° 1	12°10	28°29	18°30	T 21
W22	0 39 13	7°52'28"	10 ¹⁰ 5	25°28	27°19	11°34	25°39	1°30	18° 5	10°46	15°13	12°R 1	12° 7	28°36	18°36	W22
T 23	0 43 10	8°51'47"	22° 2	25° 8	28°34	12° 4	25°47	1°35	18° 8	10°48	15°15	12° 1	12° 4	28°42	18°42	T 23
F 24	0 47 6	9°51'09"	3 ³ 55	24°D59	29°49	12°33	25°54	1°40	18°11	10°50	15°16	12° 1	12° 0	28°49	18°48	F 24
S 25	0 51 3	10°50'34"	15°50	25° 1	1 ¹ 4	13° 2	26° 2	1°45	18°13	10°53	15°17	12° 1	11°57	28°56	18°54	S 25
S 26	0 54 59	11°50'00"	27°53	25°14	2°19	13°31	26° 9	1°51	18°16	10°55	15°18	12°D 1	11°54	29° 3	19° 0	S 26
M27	0 58 56	12°49'29"	10 ¹⁰ 17.6	25°37	3°34	13°59	26°16	1°56	18°18	10°57	15°19	12° 1	11°51	29° 9	19° 6	M27
T 28	1 2 52	13°49'00"	22°32	26°10	4°49	14°28	26°23	2° 1	18°21	10°59	15°20	12° 1	11°48	29°16	19°12	T 28
W29	1 6 49	14°48'33"	5 ⁵ 12	26°52	6° 4	14°55	26°30	2° 7	18°23	11° 2	15°22	12° 1	11°45	29°23	19°18	W29
T 30	1 10 45	15°48'09"	18 ¹⁸ 9	27 ²⁷ 17.43	7 ⁷ 19	15°23	26°37	2 ² 12	18°26	11 ¹¹ 4	15°23	12°R 1	11 ¹¹ 41	29°29	19°23	T 30

Delta T = 06m17s

Julian Calendar 1 Sept. 1456 == Greg. Calendar 10 Sept. 1456

OCTOBER 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 14 42	16 ¹⁶ 47'46"	1 ¹ 12.0	28 ²⁸ 17.41	8 ⁸ 34	15°50	26°43	2 ² 18	18°28	11 ¹¹ 6	15°24	12°R 1	11 ¹¹ 38	29°36	19°29	F 1
S 2	1 18 38	17°47'25"	14°47	29°45	9°50	16°17	26°49	2°24	18°30	11° 8	15°25	12 ¹² 0	11°35	29°43	19°35	S 2
S 3	1 22 35	18°47'07"	28°26	0 ⁰ 56	11° 5	16°44	26°56	2°29	18°33	11°10	15°26	12° 0	11°32	29°50	19°40	S 3
M 4	1 26 32	19°46'50"	12 ¹² 17	2°11	12°20	17°10	27° 2	2°35	18°35	11°13	15°27	11°59	11°29	29°56	19°45	M 4
T 5	1 30 28	20°46'35"	26°16	3°31	13°35	17°36	27° 8	2°41	18°37	11°15	15°28	11°58	11°25	0 ⁰ 13	19°51	T 5
W 6	1 34 25	21°46'21"	10 ¹⁰ 32.2	4°55	14°50	18° 2	27°13	2°47	18°39	11°17	15°29	11°57	11°22	0°10	19°56	W 6
T 7	1 38 21	22°46'10"	24°33	6°22	16° 5	18°27	27°19	2°53	18°41	11°19	15°30	11°D57	11°19	0°16	20° 1	T 7
F 8	1 42 18	23°46'00"	8 ⁸ 46	7°52	17°21	18°53	27°24	2°59	18°44	11°22	15°30	11°57	11°16	0°23	20° 6	F 8
S 9	1 46 14	24°45'51"	22°59	9°24	18°36	19°17	27°30	3° 5	18°46	11°24	15°31	11°58	11°13	0°30	20°11	S 9
S 10	1 50 11	25°45'44"	7 ⁷ 10	10°58	19°51	19°42	27°35	3°11	18°48	11°26	15°32	11°59	11°10	0°37	20°16	S 10
M11	1 54 7	26°45'39"	21°15	12°33	21° 6	20° 6	27°40	3°17	18°49	11°28	15°33	12° 0	11° 6	0°43	20°21	M11
T 12	1 58 4	27°45'36"	5 ⁵ 12	14° 9	22°22	20°29	27°45	3°23	18°51	11°30	15°34	12°R 1	11° 3	0°50	20°26	T 12
W13	2 2 1	28°45'34"	18°57	15°46	23°37	20°52	27°49	3°29	18°53	11°32	15°35	12° 1	11° 0	0°57	20°31	W13
T 14	2 5 57	29°45'35"	2 ² 59	17°24	24°52	21°15	27°54	3°35	18°55	11°35	15°35	12° 0	10°57	1° 3	20°35	T 14
F 15	2 9 54	0 ⁰ 145'37"	15°44	19° 2	26° 7	21°38	27°58	3°41	18°57	11°37	15°36	11°58	10°54	1°10	20°40	F 15
S 16	2 13 50	1°45'41"	28°42	20°40	27°23	22° 0	28° 2	3°48	18°58	11°39	15°37	11°56	10°50	1°17	20°44	S 16
S 17	2 17 47	2°45'48"	11 ¹¹ 23	22°19	28°38	22°21	28° 6	3°54	19° 0	11°41	15°37	11°52	10°47	1°24	20°49	S 17
M18	2 21 43	3°45'56"	23°48	23°58	29°53	22°43	28°10	4° 1	19° 2	11°43	15°38	11°49	10°44	1°30	20°53	M18
T 19	2 25 40	4°46'06"	5 ⁵ 59	25°36	1 ¹ 11.9	23° 4	28°13	4° 7	19° 3	11°45	15°39	11°46	10°41	1°37	20°57	T 19
W20	2 29 36	5°46'19"	17°59	27°15	2°24	23°24	28°17	4°13	19° 5	11°47	15°39	11°43	10°38	1°44	21° 1	W20
T 21	2 33 33	6°46'33"	29°53	28°53	3°39	23°44	28°20	4°20	19° 6	11°49	15°40	11°42	10°35	1°50	21° 5	T 21
F 22	2 37 30	7°46'50"	11 ¹¹ 45	0 ⁰ 132	4°55	24° 3	28°23	4°26	19° 7	11°51	15°40	11°D42	10°31	1°57	21° 9	F 22
S 23	2 41 26	8°47'08"	23°39	2°10	6°10	24°23	28°26	4°33	19° 9	11°53	15°41	11°43	10°28	2° 4	21°13	S 23
S 24	2 45 23	9°47'29"	5 ⁵ 12.42	3°47	7°25	24°41	28°28	4°40	19°10	11°56	15°41	11°44	10°25	2°11	21°16	S 24
M25	2 49 19	10°47'51"	17°57	5°25	8°41	24°59	28°31	4°46	19°11	11°58	15°41	11°46	10°22	2°17	21°20	M25
T 26	2 53 16	11°48'15"	0 ⁰ 28	7° 2	9°56	25°17	28°33	4°53	19°12	12° 0	15°42	11°48	10°19	2°24	21°23	T 26
W27	2 57 12	12°48'42"	13°19	8°39	11°12	25°34	28°35	5° 0	19°14	12° 2	15°42	11°R48	10°16	2°31	21°27	W27
T 28	3 1 9	13°49'10"	26°32	10°16	12°27	25°50	28°37	5° 6	19°15	12° 4	15°43	11°47	10°12	2°37	21°30	T 28
F 29	3 5 5	14°49'39"	10 ¹⁰ 11.5	11°52	13°42	26° 6	28°38	5°13	19°16	12° 5	15°43	11°45	10° 9	2°44	21°33	F 29
S 30	3 9 2	15°50'11"	23°58	13°29	14°58	26°22	28°40	5°20	19°17	12° 7	15°43	11°40	10° 6	2°51	21°36	S 30
S 31	3 12 59	16 ¹⁶ 50'44"	8 ⁸ 7	15 ¹⁵ 11.4	16 ¹⁶ 13	26°37	28°41	5 ⁵ 27	19°17	12 ¹² 9	15°43	11 ¹¹ 35	10 ¹⁰ 3	2°58	21°39	S 31

Delta T = 06m17s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1456
geocentric

NOVEMBER 1456 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 16 55	17 ¹¹ 51'18	22 ²⁷ 26	16 ¹¹ 40	17 ¹¹ 29	26 ⁵ 51	28 ⁴ 42	5 ²⁷ 33	19 ¹¹ 18	12 ¹² 11	15 ¹¹ 44	11 ¹¹ R29	10 ¹¹ 0	3 ¹¹ 4	21 ¹¹ 42	M 1
T 2	3 20 52	18 ⁵ 51'54	6 ²³ 51	18 ¹ 15	18 ¹ 44	27 ⁵ 5	28 ⁴ 43	5 ⁴⁰	19 ¹ 19	12 ¹ 13	15 ¹ 44	11 ¹¹ A24	9 ⁵ 56	3 ¹ 11	21 ¹ 45	T 2
W 3	3 24 48	19 ⁵ 52'31	21 ¹ 16	19 ⁵ 51	20 ⁰ 0	27 ¹ 18	28 ⁴ 44	5 ⁴⁷	19 ¹ 20	12 ¹ 15	15 ¹ 44	11 ¹ 19	9 ⁵ 53	3 ¹ 18	21 ¹ 48	W 3
T 4	3 28 45	20 ⁵ 53'10	5 ²³ 35	21 ¹ 25	21 ¹ 15	27 ¹ 31	28 ⁴ 44	5 ⁵⁴	19 ¹ 20	12 ¹ 17	15 ¹ 44	11 ¹ 16	9 ⁵ 50	3 ¹ 24	21 ¹ 50	T 4
F 5	3 32 41	21 ⁵ 53'49	19 ⁴ 7	23 ⁰ 0	22 ¹ 31	27 ¹ 43	28 ⁴ 45	6 ¹	19 ¹ 21	12 ¹ 19	15 ¹ 44	11 ¹ D15	9 ⁴ 47	3 ¹ 31	21 ¹ 53	F 5
S 6	3 36 38	22 ⁵ 54'30	3 ¹¹ 49	24 ¹ 35	23 ¹ 46	27 ¹ 54	28 ⁴ R45	6 ⁸	19 ¹ 22	12 ¹ 21	15 ¹ 44	11 ¹ 16	9 ⁴ 44	3 ¹ 38	21 ¹ 55	S 6
S 7	3 40 34	23 ⁵ 55'11	17 ⁴ 40	26 ¹ 9	25 ¹ 1	28 ⁵ 5	28 ⁴ 45	6 ¹⁵	19 ¹ 22	12 ¹ 22	15 ¹ 44	11 ¹ 17	9 ⁴ 41	3 ¹ 45	21 ¹ 58	S 7
M 8	3 44 31	24 ⁵ 55'54	1 ¹ 21	27 ⁴ 43	26 ¹ 17	28 ¹ 15	28 ⁴ 44	6 ²²	19 ¹ 23	12 ¹ 24	15 ¹ R44	11 ¹ 18	9 ⁴ 37	3 ¹ 51	22 ⁰ 0	M 8
T 9	3 48 28	25 ⁵ 56'38	14 ⁵ 1	29 ¹ 17	27 ¹ 32	28 ¹ 24	28 ⁴ 44	6 ²⁹	19 ¹ 23	12 ¹ 26	15 ¹ 44	11 ¹ R19	9 ⁴ 34	3 ¹ 58	22 ⁰ 2	T 9
W10	3 52 24	26 ⁵ 57'22	28 ¹ 0	0 ²⁷ 51	28 ⁴ 48	28 ¹ 33	28 ⁴ 43	6 ³⁶	19 ¹ 23	12 ¹ 28	15 ¹ 44	11 ¹ 17	9 ⁴ 31	4 ¹ 5	22 ⁰ 4	W10
T 11	3 56 21	27 ⁵ 58'09	11 ¹ 18	2 ² 5	0 ²⁷ 3	28 ⁴ 41	28 ⁴ 42	6 ⁴³	19 ¹ 24	12 ¹ 29	15 ¹ 44	11 ¹ 14	9 ⁴ 28	4 ¹ 11	22 ⁰ 6	T 11
F 12	4 0 17	28 ⁵ 58'56	24 ¹ 14	3 ⁵ 59	1 ¹ 19	28 ⁴ 49	28 ⁴ 41	6 ⁵⁰	19 ¹ 24	12 ¹ 31	15 ¹ 44	11 ¹ 8	9 ⁴ 25	4 ¹ 18	22 ⁰ 7	F 12
S 13	4 4 14	29 ⁵ 59'44	6 ¹¹ 58	5 ³ 2	2 ³ 4	28 ⁵ 56	28 ⁴ 40	6 ⁵⁷	19 ¹ 24	12 ¹ 33	15 ¹ 44	11 ¹ 0	9 ⁴ 22	4 ¹ 25	22 ⁰ 9	S 13
S 14	4 8 10	1 ²⁷ 0'34	19 ² 9	7 ⁶	3 ⁵ 0	29 ² 2	28 ⁵ 38	7 ⁴	19 ¹ 24	12 ¹ 34	15 ¹ 44	10 ¹ 50	9 ⁴ 18	4 ¹ 32	22 ⁰ 10	S 14
M15	4 12 7	2 ² 1'25	1 ¹ 48	8 ⁴ 0	5 ⁵ 5	29 ² 7	28 ⁵ 37	7 ¹¹	19 ¹ 24	12 ¹ 36	15 ¹ 44	10 ¹ 40	9 ⁴ 15	4 ¹ 38	22 ⁰ 12	M15
T 16	4 16 3	3 ³ 2'17	13 ⁵ 56	10 ¹ 13	6 ² 0	29 ¹ 11	28 ⁵ 35	7 ¹⁸	19 ¹ R24	12 ¹ 37	15 ¹ 43	10 ¹ 30	9 ⁴ 12	4 ¹ 45	22 ⁰ 13	T 16
W17	4 20 0	4 ⁴ 3'11	25 ⁵ 4	11 ⁴ 6	7 ³ 6	29 ¹ 15	28 ⁵ 33	7 ²⁵	19 ¹ 24	12 ¹ 39	15 ¹ 43	10 ¹ 22	9 ⁴ 9	4 ¹ 52	22 ⁰ 14	W17
T 18	4 23 57	5 ⁵ 4'06	7 ¹¹ 47	13 ² 0	8 ⁵ 1	29 ¹ 18	28 ⁵ 30	7 ³²	19 ¹ 24	12 ¹ 41	15 ¹ 43	10 ¹ 16	9 ⁴ 6	4 ¹ 58	22 ⁰ 15	T 18
F 19	4 27 53	6 ⁵ 5'02	19 ² 37	14 ⁵ 53	10 ⁷	29 ¹ 21	28 ⁵ 28	7 ³⁹	19 ¹ 24	12 ¹ 42	15 ¹ 43	10 ¹ 12	9 ⁴ 2	5 ¹ 5	22 ⁰ 16	F 19
S 20	4 31 50	7 ⁵ 5'59	1 ¹¹ 29	16 ² 7	11 ² 22	29 ¹ 22	28 ⁵ 25	7 ⁴⁶	19 ¹ 24	12 ¹ 44	15 ¹ 42	10 ¹ 10	8 ⁴ 59	5 ¹ 12	22 ⁰ 17	S 20
S 21	4 35 46	8 ⁶ 5'57	13 ² 29	18 ⁰ 0	12 ³ 38	29 ¹ R23	28 ⁵ 22	7 ⁵³	19 ¹ 23	12 ¹ 45	15 ¹ 42	10 ¹ D10	8 ⁴ 56	5 ¹ 19	22 ⁰ 18	S 21
M22	4 39 43	9 ⁷ 5'57	25 ⁴ 1	19 ³ 33	13 ⁵ 53	29 ¹ 23	28 ⁵ 19	8 ⁰ 0	19 ¹ 23	12 ¹ 47	15 ¹ 41	10 ¹ 11	8 ⁴ 53	5 ¹ 25	22 ⁰ 18	M22
T 23	4 43 39	10 ⁸ 5'58	8 ¹¹ 1	21 ⁰ 6	15 ⁹ 9	29 ¹ 22	28 ⁵ 16	8 ⁷	19 ¹ 23	12 ¹ 48	15 ¹ 41	10 ¹ R12	8 ⁴ 50	5 ¹ 32	22 ⁰ 19	T 23
W24	4 47 36	11 ¹⁰ 0'00	21 ⁰ 3	22 ³ 39	16 ² 4	29 ¹ 20	28 ⁵ 13	8 ¹⁴	19 ¹ 22	12 ¹ 49	15 ¹ 41	10 ¹ 11	8 ⁴ 47	5 ¹ 39	22 ⁰ 19	W24
T 25	4 51 32	12 ¹¹ 1'03	4 ¹¹ 21	24 ¹ 13	17 ⁴ 0	29 ¹ 18	28 ⁵ 9	8 ²¹	19 ¹ 22	12 ¹ 51	15 ¹ 40	10 ¹ 8	8 ⁴ 43	5 ¹ 45	22 ⁰ 19	T 25
F 26	4 55 29	13 ¹² 0'7	18 ⁶	25 ⁴ 45	18 ⁵ 55	29 ¹ 15	28 ⁵ 5	8 ²⁸	19 ¹ 21	12 ¹ 52	15 ¹ 40	10 ¹ 3	8 ⁴ 40	5 ¹ 52	22 ⁰ 20	F 26
S 27	4 59 26	14 ¹³ 1'12	2 ²⁷ 17	27 ¹ 18	20 ¹⁰	29 ¹ 10	28 ⁵ 1	8 ³⁵	19 ¹ 21	12 ¹ 53	15 ¹ 39	9 ⁴ 55	8 ⁴ 37	5 ¹ 59	22 ⁰ R20	S 27
S 28	5 3 22	15 ¹⁴ 1'18	16 ⁵ 0	28 ⁵ 51	21 ² 6	29 ² 5	27 ⁵ 7	8 ⁴³	19 ¹ 20	12 ¹ 55	15 ¹ 39	9 ⁴ 46	8 ⁴ 34	6 ¹ 5	22 ⁰ 20	S 28
M29	5 7 19	16 ¹⁵ 1'25	1 ²³ 38	0 ²³ 3	22 ⁴ 1	29 ² 0	27 ⁵ 3	8 ⁵⁰	19 ¹ 19	12 ¹ 56	15 ¹ 38	9 ⁴ 35	8 ⁴ 31	6 ¹ 12	22 ⁰ 19	M29
T 30	5 11 15	17 ¹⁶ 1'32	16 ²³ 1	1 ²⁵ 5	23 ²⁷ 57	28 ⁵ 53	27 ⁵ 48	8 ⁵⁷	19 ¹ 19	12 ¹ 57	15 ¹ 37	9 ⁴ 24	8 ⁴ 28	6 ¹ 19	22 ⁰ 19	T 30

Delta T = 06m17s

Julian Calendar 1 Nov. 1456 == Greg. Calendar 10 Nov. 1456

DECEMBER 1456 JC

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 15 12	18 ¹⁷ 39	1 ²²	3 ²⁶	25 ²⁷ 12	28°R45	27°R44	9 ²⁷ 4	19°R18	12 ¹² 58	15°R37	9°R15	8 ¹¹ 24	6 ¹¹ 26	22°R19	W 1
T 2	5 19 8	19°18'47	16° 2	4°57	26°28	28 ²⁸ 37	27 ²⁸ 39	9°11	19 ¹⁹ 17	12°59	15 ¹⁵ 36	9 ⁹ 9	8°21	6°32	22 ²² 18	T 2
F 3	5 23 5	20°19'55	0 ¹⁸ 26	6°27	27°43	28°28	27°34	9°18	19°16	13° 0	15°35	9° 5	8°18	6°39	22°17	F 3
S 4	5 27 1	21°21'03	14°32	7°57	28°59	28°18	27°29	9°25	19°15	13° 2	15°35	9° 3	8°15	6°46	22°17	S 4
S 5	5 30 58	22°22'12	28°18	9°25	0 ¹³ 14	28° 7	27°23	9°31	19°14	13° 3	15°34	9°D 3	8°12	6°52	22°16	S 5
M 6	5 34 55	23°23'20	11°Y47	10°52	1°29	27°55	27°18	9°38	19°13	13° 4	15°33	9°R 3	8° 8	6°59	22°15	M 6
T 7	5 38 51	24°24'29	24°59	12°18	2°45	27°43	27°12	9°45	19°12	13° 5	15°32	9° 2	8° 5	7° 6	22°14	T 7
W 8	5 42 48	25°25'38	7 ¹⁸ 57	13°41	4° 0	27°30	27° 6	9°52	19°10	13° 6	15°32	8°59	8° 2	7°13	22°13	W 8
T 9	5 46 44	26°26'46	20°44	15° 3	5°16	27°15	27° 0	9°59	19° 9	13° 7	15°31	8°53	7°59	7°19	22°11	T 9
F 10	5 50 41	27°27'55	3 ¹¹ 20	16°22	6°31	27° 1	26°54	10° 6	19° 8	13° 7	15°30	8°44	7°56	7°26	22°10	F 10
S 11	5 54 37	28°29'05	15°47	17°39	7°46	26°45	26°48	10°13	19° 7	13° 8	15°29	8°32	7°53	7°33	22° 8	S 11
S 12	5 58 34	29°30'14	28° 5	18°51	9° 2	26°29	26°42	10°20	19° 5	13° 9	15°28	8°18	7°49	7°39	22° 7	S 12
M13	6 2 30	0 ³¹ 23	10 ¹ 14	20° 0	10°17	26°12	26°35	10°26	19° 4	13°10	15°27	8° 3	7°46	7°46	22° 5	M13
T 14	6 6 27	1°32'33	22°16	21° 4	11°33	25°54	26°29	10°33	19° 2	13°11	15°26	7°49	7°43	7°53	22° 3	T 14
W15	6 10 24	2°33'43	4 ¹¹ 11	22° 3	12°48	25°36	26°22	10°40	19° 1	13°11	15°25	7°36	7°40	7°59	22° 1	W15
T 16	6 14 20	3°34'53	16° 2	22°55	14° 3	25°17	26°15	10°47	18°59	13°12	15°24	7°26	7°37	8° 6	21°59	T 16
F 17	6 18 17	4°36'03	27°51	23°40	15°19	24°57	26° 8	10°53	18°58	13°13	15°23	7°18	7°34	8°13	21°57	F 17
S 18	6 22 13	5°37'13	9 ¹¹ 42	24°17	16°34	24°37	26° 1	11° 0	18°56	13°14	15°22	7°14	7°30	8°20	21°55	S 18
S 19	6 26 10	6°38'23	21°39	24°46	17°49	24°16	25°54	11° 7	18°54	13°14	15°21	7°12	7°27	8°26	21°52	S 19
M20	6 30 6	7°39'34	3 ¹¹ 47	25° 4	19° 5	23°55	25°46	11°13	18°53	13°15	15°20	7°11	7°24	8°33	21°50	M20
T 21	6 34 3	8°40'44	16°12	25°R12	20°20	23°33	25°39	11°20	18°51	13°15	15°19	7°11	7°21	8°40	21°47	T 21
W22	6 37 59	9°41'55	28°59	25° 9	21°35	23°11	25°32	11°26	18°49	13°16	15°18	7°10	7°18	8°46	21°45	W22
T 23	6 41 56	10°43'06	12 ¹¹ 12	24°54	22°50	22°49	25°24	11°33	18°47	13°16	15°17	7° 8	7°14	8°53	21°42	T 23
F 24	6 45 53	11°44'17	25°56	24°27	24° 6	22°26	25°16	11°39	18°45	13°17	15°15	7° 2	7°11	9° 0	21°39	F 24
S 25	6 49 49	12°45'28	10 ¹⁷ 9	23°49	25°21	22° 2	25° 9	11°46	18°43	13°17	15°14	6°54	7° 8	9° 7	21°36	S 25
S 26	6 53 46	13°46'38	24°50	23° 0	26°36	21°39	25° 1	11°52	18°41	13°17	15°13	6°43	7° 5	9°13	21°33	S 26
M27	6 57 42	14°47'49	9 ¹⁸ 52	22° 0	27°52	21°15	24°53	11°58	18°39	13°18	15°12	6°31	7° 2	9°20	21°30	M27
T 28	7 1 39	15°48'59	25° 5	20°53	29° 7	20°51	24°45	12° 5	18°37	13°18	15°11	6°20	6°59	9°27	21°27	T 28
W29	7 5 35	16°50'09	10 ¹⁸ 18	19°40	0 ¹¹ 22	20°27	24°37	12°11	18°35	13°18	15° 9	6°10	6°55	9°33	21°24	W29
T 30	7 9 32	17°51'17	25°21	18°22	1°37	20° 3	24°30	12°17	18°33	13°19	15° 8	6° 2	6°52	9°40	21°21	T 30
F 31	7 13 29	18 ¹⁸ 52'25	10 ¹⁸ 5	17 ¹⁸ 4	2 ¹¹ 53	19 ¹⁹ 39	24 ²⁴ 22	12 ¹² 23	18 ¹⁸ 31	13 ¹³ 19	15 ¹⁵ 17	5 ⁵ 57	6 ⁶ 49	9 ⁹ 47	21 ²¹ 17	F 31