



Astrodienst Ephemeris Tables for the year 1406

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 1406

geocentric

JANUARY 1406 JC

00:00 UT

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

Delta T = 07m43s

Julian Calendar 1 Jan. 1406 == Greg. Calendar 10 Jan. 1406

FEBRUARY 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	9 17 4	20°41'53	21°58'58	13°31'31	25°45'45	17°45'45	25°43'43	6°17'17	16°30'30	17°58'58	9°25'25	3° 6'06	1°33'33	8°11'11	11°37'37	M 1
T 2	9 21 1	21°42'22	4°03'35	15°15'15	26°58'58	18°16'16	25°36'36	6°25'25	16°33'33	17°58'58	9°25'25	3° 2'02	1°30'30	8°10'10	11°35'35	T 2
W 3	9 24 58	22°42'50	17°50'50	17° 0'00	28°10'10	18°48'48	25°49'49	6°32'32	16°36'36	17°57'57	9°24'24	2°56'56	1°27'27	8°17'17	11°32'32	W 3
T 4	9 28 54	23°43'15	0°10'52	18°46'46	29°23'23	19°20'20	26° 2'02	6°39'39	16°39'39	17°57'57	9°24'24	2°48'48	1°24'24	8°24'24	11°29'29	T 4
F 5	9 32 51	24°43'39	13°39'39	20°33'33	0°11'35	19°51'51	26°16'16	6°46'46	16°42'42	17°56'56	9°24'24	2°38'38	1°20'20	8°30'30	11°26'26	F 5
S 6	9 36 47	25°44'02	26°12'12	22°21'21	1°47'47	20°23'23	26°29'29	6°54'54	16°45'45	17°56'56	9°24'24	2°28'28	1°17'17	8°37'37	11°24'24	S 6
S 7	9 40 44	26°44'23	8°40'40	24°10'10	3° 0'00	20°55'55	26°43'43	7° 1'01	16°48'48	17°55'55	9°24'24	2°19'19	1°14'14	8°44'44	11°21'21	S 7
M 8	9 44 40	27°44'42	20°37'37	26° 0'00	4°12'12	21°27'27	26°56'56	7° 8'08	16°51'51	17°55'55	9°24'24	2°11'11	1°11'11	8°50'50	11°19'19	M 8
T 9	9 48 37	28°45'00	2°11'33	27°51'51	5°24'24	22° 0'00	27°10'10	7°16'16	16°54'54	17°55'55	9°23'23	2° 5'05	1° 8'08	8°57'57	11°16'16	T 9
W 10	9 52 33	29°45'16	14°25'25	29°43'43	6°36'36	22°32'32	27°24'24	7°23'23	16°57'57	17°54'54	9°23'23	2° 1'01	1° 5'05	9° 4'04	11°14'14	W 10
T 11	9 56 30	0°45'31	26°15'15	1°35'35	7°48'48	23° 4'04	27°37'37	7°30'30	17° 0'00	17°54'54	9°23'23	2° 0'00	1° 1'01	9°11'11	11°12'12	T 11
F 12	10 0 27	1°45'44	8°27'27	3°29'29	8°59'59	23°37'37	27°51'51	7°38'38	17° 3'03	17°54'54	9°23'23	2° 0'00	0°58'58	9°17'17	11°10'10	F 12
S 13	10 4 23	2°45'56	20°13'13	5°23'23	10°11'11	24°10'10	28° 5'05	7°45'45	17° 5'05	17°53'53	9°23'23	2° 0'00	0°55'55	9°24'24	11° 8'08	S 13
S 14	10 8 20	3°46'06	2°33'32	7°18'18	11°23'23	24°42'42	28°19'19	7°52'52	17° 8'08	17°53'53	9°23'23	2° 0'00	0°52'52	9°31'31	11° 6'06	S 14
M 15	10 12 16	4°46'15	15°10'10	9°14'14	12°34'34	25°15'15	28°33'33	8° 0'00	17°11'11	17°53'53	9°23'23	2° 0'00	0°49'49	9°37'37	11° 4'04	M 15
T 16	10 16 13	5°46'22	28°11'11	11°10'10	13°46'46	25°48'48	28°47'47	8° 7'07	17°13'13	17°53'53	9°23'23	1°57'57	0°45'45	9°44'44	11° 2'02	T 16
W 17	10 20 9	6°46'27	11°37'37	13° 6'06	14°57'57	26°21'21	29° 1'01	8°15'15	17°16'16	17°53'53	9°23'23	1°51'51	0°42'42	9°51'51	11° 1'01	W 17
T 18	10 24 6	7°46'31	25°28'28	15° 3'03	16° 8'08	26°54'54	29°15'15	8°22'22	17°19'19	17°53'53	9°23'23	1°43'43	0°39'39	9°57'57	10°59'59	T 18
F 19	10 28 2	8°46'32	9°41'41	16°59'59	17°20'20	27°27'27	29°29'29	8°29'29	17°21'21	17°53'53	9°24'24	1°33'33	0°36'36	10° 4'04	10°58'58	F 19
S 20	10 31 59	9°46'32	24°11'11	18°55'55	18°31'31	28° 0'00	29°43'43	8°37'37	17°24'24	17°53'53	9°24'24	1°22'22	0°33'33	10°11'11	10°56'56	S 20
S 21	10 35 56	10°46'29	8°11'50	20°51'51	19°41'41	28°34'34	29°57'57	8°44'44	17°26'26	17°53'53	9°24'24	1°12'12	0°30'30	10°17'17	10°55'55	S 21
M 22	10 39 52	11°46'25	23°31'31	22°46'46	20°52'52	29° 7'07	0°11'11	8°51'51	17°29'29	17°53'53	9°24'24	1° 3'03	0°26'26	10°24'24	10°54'54	M 22
T 23	10 43 49	12°46'18	8° 7'07	24°40'40	22° 3'03	29°41'41	0°25'25	8°59'59	17°31'31	17°53'53	9°24'24	0°56'56	0°23'23	10°31'31	10°53'53	T 23
W 24	10 47 45	13°46'09	22°32'32	26°32'32	23°14'14	0°11'11	0°40'40	9° 6'06	17°33'33	17°53'53	9°24'24	0°52'52	0°20'20	10°38'38	10°52'52	W 24
T 25	10 51 42	14°45'58	6°11'43	28°22'22	24°24'24	0°48'48	0°54'54	9°14'14	17°36'36	17°54'54	9°25'25	0°51'51	0°17'17	10°44'44	10°51'51	T 25
F 26	10 55 38	15°45'44	20°39'39	0°11'10	25°34'34	1°21'21	1° 8'08	9°21'21	17°38'38	17°54'54	9°25'25	0°D50	0°14'14	10°51'51	10°50'50	F 26
S 27	10 59 35	16°45'29	4°52'11	1°55'55	26°45'45	1°55'55	1°22'22	9°28'28	17°40'40	17°54'54	9°25'25	0°R50	0°11'11	10°58'58	10°50'50	S 27
S 28	11 3 31	17°45'11	17°54'49	3°11'36	27°11'55	2°11'29	1°11'37	9°11'36	17°34'42	17°54'54	9°26'26	0°54'49	0° 7'07	11°11'44	10°54'49	S 28

ASTRODIENST EPHEMERIS for the year 1406

MARCH 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 7 28	18°44'50	1°14' 4	5°14	29°14' 5	3°11' 3	1°14'51	9°43	17°45	17°11'55	9°11'26	0°14'46	0°44' 4	11°11'11	10°14'48	M 1	
T 2	11 11 25	19°44'28	14° 8	6°48	0°15	3°37	2° 5	9°50	17°47	17°55	9°26	0°40	0° 1	11°18	10°48	T 2	
W 3	11 15 21	20°44'03	27° 0	8°16	1°24	4°11	2°20	9°58	17°49	17°56	9°27	0°31	29°11'58	11°24	10°48	W 3	
T 4	11 19 18	21°43'36	9°14'3	9°40	2°34	4°45	2°34	10° 5	17°51	17°56	9°27	0°20	29°55	11°31	10°48	T 4	
F 5	11 23 14	22°43'06	22°14	10°58	3°43	5°19	2°48	10°12	17°53	17°57	9°27	0° 7	29°51	11°38	10°47	F 5	
S 6	11 27 11	23°42'35	4°13'5	12°10	4°52	5°53	3° 3	10°19	17°55	17°57	9°28	29°11'53	29°48	11°44	10°14'47	S 6	
S 7	11 31 7	24°42'02	16°45	13°15	6° 2	6°28	3°17	10°27	17°57	17°58	9°28	29°39	29°45	11°51	10°48	S 7	
M 8	11 35 4	25°41'27	28°47	14°14	7°11	7° 2	3°32	10°34	17°58	17°58	9°29	29°27	29°42	11°58	10°48	M 8	
T 9	11 39 0	26°40'49	10°14'1	15° 6	8°19	7°36	3°46	10°41	18° 0	17°59	9°29	29°18	29°39	12° 4	10°48	T 9	
W10	11 42 57	27°40'10	22°30	15°51	9°28	8°11	4° 1	10°48	18° 2	17°59	9°30	29°11	29°36	12°11	10°48	W10	
T11	11 46 53	28°39'30	4°19	16°28	10°36	8°45	4°15	10°55	18° 4	18° 0	9°30	29° 8	29°32	12°18	10°49	T11	
F 12	11 50 50	29°38'47	16°12	16°59	11°45	9°20	4°29	11° 3	18° 5	18° 1	9°31	29° 6	29°29	12°25	10°50	F 12	
S 13	11 54 47	0°13'38'02	28°14	17°21	12°53	9°54	4°44	11°10	18° 7	18° 1	9°32	29° 6	29°26	12°31	10°50	S 13	
S 14	11 58 43	1°37'16	10°30	17°37	14° 1	10°29	4°58	11°17	18° 9	18° 2	9°32	29° 6	29°23	12°38	10°51	S 14	
M15	12 2 40	2°36'28	23° 6	17°45	15° 9	11° 3	5°13	11°24	18°10	18° 3	9°33	29° 4	29°20	12°45	10°52	M15	
T 16	12 6 36	3°35'38	6°16	17°45	16°16	11°38	5°27	11°31	18°12	18° 4	9°33	29° 1	29°16	12°51	10°53	T 16	
W17	12 10 33	4°34'47	19°34	17°39	17°24	12°13	5°42	11°38	18°13	18° 5	9°34	28°56	29°13	12°58	10°54	W17	
T 18	12 14 29	5°33'53	3°13	17°26	18°31	12°48	5°56	11°45	18°14	18° 6	9°35	28°48	29°10	13° 5	10°55	T 18	
F 19	12 18 26	6°32'58	17°55	17° 7	19°38	13°22	6°11	11°52	18°16	18° 7	9°35	28°37	29° 7	13°11	10°56	F 19	
S 20	12 22 22	7°32'00	2°14	16°42	20°45	13°57	6°25	11°59	18°17	18° 8	9°36	28°26	29° 4	13°18	10°58	S 20	
S 21	12 26 19	8°31'01	17°41	16°12	21°52	14°32	6°40	12° 6	18°18	18° 9	9°37	28°15	29° 1	13°25	10°59	S 21	
M22	12 30 16	9°29'59	2°46	15°38	22°59	15° 7	6°54	12°13	18°20	18°10	9°38	28° 5	28°57	13°31	11° 1	M22	
T 23	12 34 12	10°28'55	17°44	14°59	24° 5	15°42	7° 9	12°19	18°21	18°11	9°38	27°58	28°54	13°38	11° 3	T 23	
W24	12 38 9	11°27'49	2°11'30	14°18	25°11	16°17	7°23	12°26	18°22	18°12	9°39	27°53	28°51	13°45	11° 4	W24	
T 25	12 42 5	12°26'41	16°56	13°34	26°17	16°52	7°38	12°33	18°23	18°13	9°40	27°51	28°48	13°51	11° 6	T 25	
F 26	12 46 2	13°25'31	1°13' 0	12°49	27°23	17°27	7°52	12°40	18°24	18°14	9°41	27°D51	28°45	13°58	11° 8	F 26	
S 27	12 49 58	14°24'18	14°43	12° 4	28°28	18° 3	8° 7	12°46	18°25	18°15	9°42	27°R51	28°42	14° 5	11°10	S 27	
S 28	12 53 55	15°23'03	28° 5	11°19	29°33	18°38	8°21	12°53	18°26	18°16	9°43	27°51	28°38	14°12	11°12	S 28	
M29	12 57 51	16°21'45	11°10	10°35	0°11'38	19°13	8°36	13° 0	18°27	18°18	9°44	27°48	28°35	14°18	11°14	M29	
T 30	13 1 48	17°20'26	23°59	9°54	1°43	19°48	8°50	13° 6	18°27	18°19	9°44	27°43	28°32	14°25	11°17	T 30	
W31	13 5 45	18°19'04	6°11'36	9°15	2°11'47	20°11'24	9°14	13°11'13	18°28	18°11'20	9°11'45	27°11'35	28°11'29	14°11'32	11°18'19	W31	

Delta T = 07m43s

Julian Calendar 1 March 1406 = Greg. Calendar 10 March 1406

APRIL 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	Day
T 1	13 9 41	19°17'39	19°17' 2	8°R39	3II52	20II59	9°Y19	13°K19	18°S29	18II21	9II46	27°R25	28II26	14°M38	11°S22	T 1		T 1
F 2	13 13 38	20°16'13	1°A18	8°Y 7	4°55	21°34	9°33	13°26	18°30	18°23	9°47	27II14	28°22	14°45	11°24	F 2		F 2
S 3	13 17 34	21°14'45	13°26	7°39	5°59	22°10	9°47	13°32	18°30	18°24	9°48	27° 1	28°19	14°52	11°27	S 3		S 3
S 4	13 21 31	22°13'14	25°27	7°16	7° 2	22°45	10° 2	13°38	18°31	18°25	9°49	26°49	28°16	14°58	11°30	S 4		S 4
M 5	13 25 27	23°11'42	7°M22	6°57	8° 5	23°20	10°16	13°45	18°31	18°27	9°50	26°39	28°13	15° 5	11°33	M 5		M 5
T 6	13 29 24	24°10'08	19°13	6°44	9° 8	23°56	10°30	13°51	18°32	18°28	9°51	26°31	28°10	15°12	11°36	T 6		T 6
W 7	13 33 20	25° 8'32	1°A 1	6°35	10°11	24°31	10°45	13°57	18°32	18°30	9°52	26°25	28° 7	15°18	11°39	W 7		W 7
T 8	13 37 17	26° 6'55	12°51	6°D32	11°13	25° 7	10°59	14° 3	18°32	18°31	9°53	26°22	28° 3	15°25	11°42	T 8		T 8
F 9	13 41 13	27° 5'16	24°44	6°33	12°14	25°42	11°13	14° 9	18°33	18°33	9°54	26°D21	28° 0	15°32	11°45	F 9		F 9
S 10	13 45 10	28° 3'35	6°S46	6°39	13°16	26°18	11°27	14°15	18°33	18°34	9°55	26°21	27°57	15°38	11°48	S 10		S 10
S 11	13 49 7	29° 1'53	19° 2	6°50	14°17	26°54	11°41	14°21	18°33	18°36	9°56	26°22	27°54	15°45	11°52	S 11		S 11
M12	13 53 3	0°8'00	1°A35	7° 6	15°18	27°29	11°56	14°27	18°33	18°38	9°58	26°R22	27°51	15°52	11°55	M12		M12
T 13	13 57 0	0°58'24	14°32	7°26	16°18	28° 5	12°10	14°33	18°34	18°39	9°59	26°21	27°48	15°58	11°58	T 13		T 13
W14	14 0 56	1°56'37	27°55	7°51	17°18	28°41	12°24	14°39	18°34	18°41	10° 0	26°19	27°44	16° 5	12° 2	W14		W14
T 15	14 4 53	2°54'48	11°R48	8°20	18°18	29°16	12°38	14°45	18°R34	18°42	10° 1	26°14	27°41	16°12	12° 6	T 15		T 15
F 16	14 8 49	3°52'58	26° 9	8°54	19°17	29°52	12°52	14°50	18°34	18°44	10° 2	26° 7	27°38	16°18	12°10	F 16		F 16
S 17	14 12 46	4°51'07	10°Y56	9°31	20°16	0°S28	13° 6	14°56	18°33	18°46	10° 3	25°59	27°35	16°25	12°13	S 17		S 17
S 18	14 16 42	5°49'14	26° 1	10°12	21°14	1° 4	13°20	15° 2	18°33	18°48	10° 4	25°52	27°32	16°32	12°17	S 18		S 18
M19	14 20 39	6°47'19	11°R15	10°57	22°12	1°40	13°33	15° 7	18°33	18°49	10° 6	25°45	27°28	16°38	12°21	M19		M19
T 20	14 24 36	7°45'23	26°28	11°45	23° 9	2°15	13°47	15°13	18°33	18°51	10° 7	25°40	27°25	16°45	12°25	T 20		T 20
W21	14 28 32	8°43'25	11II29	12°36	24° 7	2°51	14° 1	15°18	18°33	18°53	10° 8	25°37	27°22	16°52	12°30	W21		W21
T 22	14 32 29	9°41'25	26°11	13°31	25° 3	3°27	14°15	15°23	18°32	18°55	10° 9	25°D36	27°19	16°59	12°34	T 22		T 22
F 23	14 36 25	10°39'23	10°S29	14°29	25°59	4° 3	14°29	15°29	18°32	18°56	10°10	25°37	27°16	17° 5	12°38	F 23		F 23
S 24	14 40 22	11°37'20	24°21	15°30	26°55	4°39	14°42	15°34	18°31	18°58	10°12	25°38	27°13	17°12	12°43	S 24		S 24
S 25	14 44 18	12°35'14	7°L49	16°34	27°50	5°15	14°56	15°39	18°31	19° 0	10°13	25°R39	27° 9	17°19	12°47	S 25		S 25
M26	14 48 15	13°33'07	20°53	17°41	28°44	5°51	15° 9	15°44	18°30	19° 2	10°14	25°39	27° 6	17°25	12°52	M26		M26
T 27	14 52 11	14°30'58	3°M38	18°50	29°38	6°27	15°23	15°49	18°30	19° 4	10°16	25°37	27° 3	17°32	12°56	T 27		T 27
W28	14 56 8	15°28'47	16° 7	20° 2	0°S31	7° 3	15°36	15°54	18°29	19° 6	10°17	25°34	27° 0	17°39	13° 1	W28		W28
T 29	15 0 5	16°28'34	28°23	21°17	1°24	7°39	15°50	15°59	18°28	19° 8	10°18	25°29	26°57	17°45	13° 5	T 29		T 29
F 30	15 4 1	17°8'24	10°A29	22°Y35	2°A16	8°A15	16°Y 3	16°K 4	18°S28	19II10	10II19	25II22	26II53	17°M52	13°S10	F 30		F 30

Delta T = 07m43s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1406

geocentric

MAY 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 7 58	18♌22°04	22♌28	23♌54	3♌7	8♌51	16♌17	16♌8	18♌R27	19♌12	10♌21	25♌R15	26♌50	17♌59	13♌15	S 1
S 2	15 11 54	19°19'46	4♌22	25°17	3°57	9°27	16°30	16°13	18♌26	19°14	10°22	25♌9	26°47	18°5	13°20	S 2
M 3	15 15 51	20°17'27	16°12	26°41	4°47	10°4	16°43	16°17	18°25	19°16	10°23	25°3	26°44	18°12	13°25	M 3
T 4	15 19 47	21°15'07	28°2	28°8	5°36	10°40	16°56	16°22	18°24	19°18	10°25	24°59	26°41	18°19	13°30	T 4
W 5	15 23 44	22°12'46	9♌52	29°38	6°25	11°16	17°9	16°26	18°23	19°20	10°26	24°56	26°38	18°25	13°35	W 5
T 6	15 27 40	23°10'23	21°45	1♌10	7°12	11°52	17°22	16°31	18°22	19°22	10°27	24°D55	26°34	18°32	13°40	T 6
F 7	15 31 37	24°7'59	3♌44	2°44	7°59	12°28	17°35	16°35	18°21	19°24	10°29	24°55	26°31	18°39	13°46	F 7
S 8	15 35 34	25°5'34	15°52	4°20	8°45	13°5	17°48	16°39	18°20	19°26	10°30	24°57	26°28	18°45	13°51	S 8
S 9	15 39 30	26°3'09	28°11	5°59	9°30	13°41	18°1	16°43	18°19	19°28	10°31	24°58	26°25	18°52	13°56	S 9
M10	15 43 27	27°0'42	10♌47	7°40	10°14	14°17	18°14	16°47	18°18	19°30	10°33	25°0	26°22	18°59	14°2	M10
T 11	15 47 23	27°58'14	23°43	9°24	10°57	14°53	18°27	16°51	18°17	19°32	10°34	25°R 1	26°19	19°5	14°7	T 11
W12	15 51 20	28°55'45	7♌2	11°9	11°39	15°30	18°39	16°55	18°15	19°34	10°35	25°0	26°15	19°12	14°13	W12
T 13	15 55 16	29°53'16	20°47	12°57	12°20	16°6	18°52	16°59	18°14	19°36	10°37	24°59	26°12	19°19	14°18	T 13
F 14	15 59 13	0♌50°45	4♌58	14°48	13°0	16°42	19°5	17°2	18°13	19°39	10°38	24°57	26°9	19°25	14°24	F 14
S 15	16 3 9	1°48'14	19°34	16°40	13°39	17°19	19°17	17°6	18°11	19°41	10°40	24°54	26°6	19°32	14°30	S 15
S 16	16 7 6	2°45'42	4♌29	18°35	14°17	17°55	19°29	17°10	18°10	19°43	10°41	24°51	26°3	19°39	14°35	S 16
M17	16 11 3	3°43'10	19°36	20°32	14°53	18°32	19°42	17°13	18°9	19°45	10°42	24°49	25°59	19°45	14°41	M17
T 18	16 14 59	4°40'36	4♌47	22°31	15°29	19°8	19°54	17°16	18°7	19°47	10°44	24°47	25°56	19°52	14°47	T 18
W19	16 18 56	5°38'02	19°52	24°32	16°3	19°44	20°6	17°20	18°6	19°49	10°45	24°D46	25°53	19°59	14°53	W19
T 20	16 22 52	6°35'26	4♌41	26°35	16°35	20°21	20°18	17°23	18°4	19°52	10°46	24°46	25°50	20°5	14°59	T 20
F 21	16 26 49	7°32'50	19°8	28°40	17°7	20°57	20°30	17°26	18°2	19°54	10°48	24°47	25°47	20°12	15°5	F 21
S 22	16 30 45	8°30'13	3♌11	0♌46	17°37	21°34	20°42	17°29	18°1	19°56	10°49	24°48	25°44	20°19	15°11	S 22
S 23	16 34 42	9°27'34	16°46	2°54	18°5	22°11	20°54	17°32	17°59	19°58	10°51	24°49	25°40	20°25	15°17	S 23
M24	16 38 39	10°24'54	29°57	5°4	18°32	22°47	21°6	17°35	17°57	20°0	10°52	24°50	25°37	20°32	15°23	M24
T 25	16 42 35	11°22'13	12♌44	7°14	18°57	23°24	21°17	17°37	17°56	20°3	10°53	24°R50	25°34	20°39	15°29	T 25
W26	16 46 32	12°19'32	25°12	9°25	19°20	24°0	21°29	17°40	17°54	20°5	10°55	24°50	25°31	20°45	15°35	W26
T 27	16 50 28	13°16'49	7♌25	11°37	19°42	24°37	21°41	17°42	17°52	20°7	10°56	24°49	25°28	20°52	15°42	T 27
F 28	16 54 25	14°14'05	19°26	13°48	20°2	25°13	21°52	17°45	17°50	20°9	10°58	24°48	25°25	20°59	15°48	F 28
S 29	16 58 21	15°11'21	1♌20	16°0	20°20	25°50	22°3	17°47	17°48	20°11	10°59	24°46	25°21	21°5	15°54	S 29
S 30	17 2 18	16°8'35	13°10	18°12	20°36	26°27	22°14	17°49	17°46	20°14	11°0	24°45	25°18	21°12	16°1	S 30
M31	17 6 14	17°II 5'49	25♌0	20°II23	20°50	27°3	22°V26	17°K52	17°344	20°II16	11°II 2	24°II44	25°II15	21♌19	16°3	M31

Delta T = 07m43s

Julian Calendar 1 May 1406 == Greg. Calendar 10 May 1406

JUNE 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 10 11	18♌3'03	6♌51	22♌33	21♌2	27♌40	22♌V37	17♌K54	17°R42	20♌18	11♌3	24°R43	25♌12	21♌25	16°314	T 1
W 2	17 14 8	19°0'16	18°46	24°42	21°12	28°17	22°48	17°56	17°340	20°20	11°5	24°D43	25°9	21°32	16°20	W 2
T 3	17 18 4	19°57'28	0♌47	26°50	21°20	28°54	22°58	17°57	17°38	20°23	11°6	24°II43	25°5	21°39	16°27	T 3
F 4	17 22 1	20°54'40	12°56	28°57	21°26	29°30	23°9	17°59	17°36	20°25	11°7	24°43	25°2	21°45	16°33	F 4
S 5	17 25 57	21°51'52	25°16	1♌2	21°29	0♌7	23°20	18°1	17°34	20°27	11°9	24°44	24°59	21°52	16°40	S 5
S 6	17 29 54	22°49'03	7♌48	3°5	21°R31	0°44	23°30	18°3	17°32	20°29	11°10	24°44	24°56	21°59	16°46	S 6
M 7	17 33 50	23°46'15	20°34	5°7	21°29	1°21	23°41	18°4	17°30	20°32	11°12	24°44	24°53	22°5	16°53	M 7
T 8	17 37 47	24°43'26	3♌37	7°6	21°26	1°58	23°51	18°5	17°28	20°34	11°13	24°R44	24°50	22°12	17°0	T 8
W 9	17 41 43	25°40'37	16°58	9°4	21°20	2°34	24°1	18°7	17°26	20°36	11°14	24°44	24°46	22°19	17°6	W 9
T 10	17 45 40	26°37'48	0♌V39	11°0	21°12	3°11	24°11	18°8	17°24	20°38	11°16	24°D44	24°43	22°25	17°13	T 10
F 11	17 49 37	27°34'59	14°40	12°53	21°1	3°48	24°21	18°9	17°21	20°41	11°17	24°44	24°40	22°32	17°20	F 11
S 12	17 53 33	28°32'11	29°0	14°45	20°48	4°25	24°31	18°10	17°19	20°43	11°18	24°44	24°37	22°39	17°27	S 12
S 13	17 57 30	29°29'22	13♌37	16°34	20°32	5°2	24°41	18°11	17°17	20°45	11°20	24°45	24°34	22°45	17°33	S 13
M14	18 1 26	0♌26°34	28°25	18°21	20°15	5°39	24°51	18°12	17°15	20°47	11°21	24°45	24°31	22°52	17°40	M14
T 15	18 5 23	1°23'46	13♌20	20°7	19°55	6°16	25°0	18°12	17°12	20°49	11°22	24°46	24°27	22°59	17°47	T 15
W16	18 9 19	2°20'58	28°12	21°50	19°33	6°53	25°10	18°13	17°10	20°52	11°24	24°R46	24°24	23°6	17°54	W16
T 17	18 13 16	3°18'10	12♌55	23°31	19°8	7°30	25°19	18°13	17°8	20°54	11°25	24°45	24°21	23°12	18°1	T 17
F 18	18 17 12	4°15'22	27°21	25°9	18°42	8°7	25°28	18°14	17°5	20°56	11°26	24°45	24°18	23°19	18°8	F 18
S 19	18 21 9	5°12'34	11♌26	26°46	18°14	8°44	25°37	18°14	17°3	20°58	11°28	24°44	24°15	23°26	18°15	S 19
S 20	18 25 6	6°9'45	25°7	28°21	17°44	9°21	25°46	18°14	17°1	21°0	11°29	24°42	24°11	23°32	18°22	S 20
M21	18 29 2	7°6'57	8♌22	29°53	17°12	9°58	25°55	18°R14	16°58	21°3	11°30	24°41	24°8	23°39	18°29	M21
T 22	18 32 59	8°4'08	21°13	1♌23	16°39	10°36	26°4	18°14	16°56	21°5	11°31	24°40	24°5	23°46	18°36	T 22
W23	18 36 55	9°1'19	3♌44	2°51	16°4	11°13	26°12	18°14	16°54	21°7	11°33	24°D39	24°2	23°52	18°43	W23
T 24	18 40 52	9°58'30	15°57	4°17	15°29	11°50	26°21	18°14	16°51	21°9	11°34	24°39	23°59	23°59	18°50	T 24
F 25	18 44 48	10°55'42	27°58	5°41	14°53	12°27	26°29	18°13	16°49	21°11	11°35	24°40	23°56	24°5	18°57	F 25
S 26	18 48 45	11°52'53	9♌50	7°2	14°16	13°4	26°37	18°13	16°46	21°13	11°36	24°41	23°52	24°12	19°4	S 26
S 27	18 52 41	12°50'04	21°40	8°21	13°38	13°42	26°45	18°13	16°44	21°15	11°38	24°42	23°49	24°19	19°11	S 27
M28	18 56 38	13°47'16	3♌30	9°38	13°1	14°19	26°53	18°12	16°42	21°17	11°39	24°44	23°46	24°25	19°18	M28
T 29	19 0 35	14°44'27	15°24	10°52	12°23	14°56	27°1	18°11	16°39	21°20	11°40	24°45	23°43	24°32	19°25	T 29
W30	19 4 31	15°41'39	27♌27	12♌4	11°546	15♌33	27°V 8	18°K10	16°337	21°II22	11°II41	24°R45	23°II40	24♌39	19°32	W30

Delta T = 07m43s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1406
geocentric

JULY 1406 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 8 28	16°38'52	9°39	13°13	11°R10	16°11	27°Y16	18°R 9	16°R34	21°II24	11°II42	24°R44	23°II37	24°M45	19°39	T 1
F 2	19 12 24	17°36'05	22° 3	14°20	10°34	16°48	27°23	18°H 8	16°332	21°26	11°44	24°II43	23°33	24°52	19°46	F 2
S 3	19 16 21	18°33'18	4°40	15°23	9°59	17°25	27°30	18° 7	16°30	21°28	11°45	24°40	23°30	24°59	19°53	S 3
S 4	19 20 17	19°30'32	17°31	16°25	9°26	18° 3	27°37	18° 6	16°27	21°30	11°46	24°36	23°27	25° 5	20° 0	S 4
M 5	19 24 14	20°27'46	0°36	17°23	8°54	18°40	27°44	18° 5	16°25	21°32	11°47	24°32	23°24	25°12	20° 7	M 5
T 6	19 28 11	21°25'02	13°55	18°18	8°23	19°18	27°50	18° 3	16°22	21°34	11°48	24°29	23°21	25°19	20°14	T 6
W 7	19 32 7	22°22'18	27°27	19°10	7°55	19°55	27°57	18° 2	16°20	21°36	11°49	24°26	23°17	25°25	20°21	W 7
T 8	19 36 4	23°19'35	11°Y12	19°59	7°28	20°33	28° 3	18° 0	16°18	21°38	11°50	24°24	23°14	25°32	20°29	T 8
F 9	19 40 0	24°16'53	25° 9	20°44	7° 3	21°10	28°10	17°59	16°15	21°40	11°52	24°D23	23°11	25°39	20°36	F 9
S 10	19 43 57	25°14'12	9°B18	21°26	6°41	21°48	28°16	17°57	16°13	21°42	11°53	24°24	23° 8	25°45	20°43	S 10
S 11	19 47 53	26°11'32	23°37	22° 4	6°20	22°25	28°22	17°55	16°11	21°44	11°54	24°25	23° 5	25°52	20°50	S 11
M12	19 51 50	27° 8'54	8°II 4	22°38	6° 2	23° 3	28°27	17°53	16° 8	21°46	11°55	24°27	23° 2	25°59	20°57	M12
T 13	19 55 46	28° 6'16	22°34	23° 8	5°46	23°40	28°33	17°51	16° 6	21°47	11°56	24°R27	22°58	26° 5	21° 4	T 13
W14	19 59 43	29° 3'40	7°3	23°34	5°33	24°18	28°38	17°49	16° 3	21°49	11°57	24°27	22°55	26°12	21°11	W14
T 15	20 3 40	0°1'04	21°28	23°56	5°22	24°56	28°43	17°46	16° 1	21°51	11°58	24°25	22°52	26°19	21°18	T 15
F 16	20 7 36	0°58'30	5°Q40	24°12	5°13	25°33	28°48	17°44	15°59	21°53	11°59	24°21	22°49	26°25	21°25	F 16
S 17	20 11 33	1°55'56	19°36	24°24	5° 7	26°11	28°53	17°42	15°57	21°55	12° 0	24°15	22°46	26°32	21°32	S 17
S 18	20 15 29	2°53'23	3°II12	24°31	5° 3	26°49	28°58	17°39	15°54	21°57	12° 1	24° 9	22°43	26°39	21°39	S 18
M19	20 19 26	3°50'51	16°26	24°R33	5°D 2	27°27	29° 3	17°37	15°52	21°58	12° 2	24° 3	22°39	26°45	21°46	M19
T 20	20 23 22	4°48'20	29°18	24°30	5° 3	28° 4	29° 7	17°34	15°50	22° 0	12° 3	23°57	22°36	26°52	21°53	T 20
W21	20 27 19	5°45'49	11°A50	24°21	5° 6	28°42	29°11	17°31	15°48	22° 2	12° 3	23°53	22°33	26°59	22° 0	W21
T 22	20 31 15	6°43'20	24° 4	24° 7	5°11	29°20	29°15	17°28	15°45	22° 4	12° 4	23°51	22°30	27° 5	22° 7	T 22
F 23	20 35 12	7°40'51	6°II 5	23°48	5°18	29°58	29°19	17°25	15°43	22° 5	12° 5	23°D50	22°27	27°12	22°14	F 23
S 24	20 39 9	8°38'23	17°57	23°23	5°28	0°II36	29°22	17°22	15°41	22° 7	12° 6	23°50	22°23	27°19	22°21	S 24
S 25	20 43 5	9°35'56	29°47	22°54	5°40	1°14	29°26	17°19	15°39	22° 9	12° 7	23°51	22°20	27°25	22°28	S 25
M26	20 47 2	10°33'30	11°A38	22°19	5°53	1°52	29°29	17°16	15°37	22°10	12° 8	23°53	22°17	27°32	22°35	M26
T 27	20 50 58	11°31'05	23°36	21°40	6° 9	2°30	29°32	17°13	15°35	22°12	12° 9	23°R53	22°14	27°39	22°42	T 27
W28	20 54 55	12°28'42	5°344	20°57	6°27	3° 8	29°35	17° 9	15°33	22°13	12° 9	23°52	22°11	27°45	22°49	W28
T 29	20 58 51	13°26'19	18° 7	20°11	6°46	3°46	29°38	17° 6	15°31	22°15	12°10	23°50	22° 8	27°52	22°56	T 29
F 30	21 2 48	14°23'57	0°A47	19°22	7° 8	4°24	29°40	17° 3	15°29	22°17	12°11	23°45	22° 4	27°59	23° 3	F 30
S 31	21 6 44	15°21'37	13°A43	18°J32	7°31	5°II 2	29°Y43	16°H59	15°327	22°II18	12°II12	23°II38	22°II 1	28°II 5	23°32 9	S 31

Delta T = 07m43s

Julian Calendar 1 July 1406 == Greg. Calendar 10 July 1406

AUGUST 1406 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 10 41	16°J19'18	26°A57	17°R40	7°355	5°II40	29°Y45	16°R56	15°R25	22°II20	12°II12	23°R30	21°II58	28°II12	23°316	S 1
M 2	21 14 38	17°17'00	10°H26	16°J49	8°22	6°18	29°47	16°H52	15°323	22°21	12°13	23°II21	21°55	28°19	23°23	M 2
T 3	21 18 34	18°14'44	24° 9	15°59	8°50	6°56	29°48	16°48	15°21	22°22	12°14	23°12	21°52	28°25	23°30	T 3
W 4	21 22 31	19°12'30	8°Y 1	15°10	9°19	7°34	29°50	16°44	15°19	22°24	12°14	23° 5	21°49	28°32	23°36	W 4
T 5	21 26 27	20°10'17	22° 1	14°26	9°50	8°13	29°51	16°41	15°17	22°25	12°15	23° 0	21°45	28°39	23°43	T 5
F 6	21 30 24	21° 8'06	6°B 5	13°45	10°22	8°51	29°53	16°37	15°15	22°27	12°16	22°56	21°42	28°45	23°50	F 6
S 7	21 34 20	22° 5'56	20°12	13° 9	10°56	9°29	29°53	16°33	15°13	22°28	12°16	22°D55	21°39	28°52	23°56	S 7
S 8	21 38 17	23° 3'49	4°II21	12°40	11°31	10° 7	29°54	16°29	15°12	22°29	12°17	22°56	21°36	28°59	24° 3	S 8
M 9	21 42 13	24° 1'44	18°30	12°16	12° 8	10°46	29°55	16°25	15°10	22°30	12°17	22°R56	21°33	29° 5	24°10	M 9
T 10	21 46 10	24°59'40	2°37	12° 0	12°45	11°24	29°55	16°21	15° 8	22°32	12°18	22°56	21°29	29°12	24°16	T 10
W11	21 50 7	25°57'38	16°42	11°52	13°24	12° 2	29°R55	16°16	15° 7	22°33	12°18	22°54	21°26	29°19	24°23	W11
T 12	21 54 3	26°55'38	0°J40	11°D52	14° 4	12°41	29°55	16°12	15° 5	22°34	12°19	22°49	21°23	29°25	24°29	T 12
F 13	21 58 0	27°53'40	14°30	12° 0	14°45	13°19	29°55	16° 8	15° 4	22°35	12°19	22°42	21°20	29°32	24°36	F 13
S 14	22 1 56	28°51'43	28° 7	12°16	15°27	13°58	29°55	16° 4	15° 2	22°36	12°20	22°32	21°17	29°39	24°42	S 14
S 15	22 5 53	29°49'49	11°II29	12°40	16°10	14°36	29°54	15°59	15° 1	22°38	12°20	22°21	21°14	29°45	24°48	S 15
M16	22 9 49	0°II47'55	24°34	13°13	16°54	15°15	29°53	15°55	14°59	22°39	12°21	22°10	21°10	29°52	24°55	M16
T 17	22 13 46	1°46'03	7°A19	13°54	17°38	15°54	29°52	15°51	14°58	22°40	12°21	21°59	21° 7	29°58	25° 1	T 17
W18	22 17 42	2°44'13	19°47	14°43	18°24	16°32	29°51	15°46	14°56	22°41	12°21	21°50	21° 4	0°A 5	25° 7	W18
T 19	22 21 39	3°42'25	1°II59	15°39	19°11	17°11	29°49	15°42	14°55	22°42	12°22	21°43	21° 1	0°12	25°13	T 19
F 20	22 25 35	4°40'38	13°59	16°43	19°58	17°50	29°48	15°37	14°54	22°43	12°22	21°39	20°58	0°18	25°19	F 20
S 21	22 29 32	5°38'52	25°51	17°53	20°47	18°28	29°46	15°33	14°52	22°44	12°22	21°37	20°54	0°25	25°25	S 21
S 22	22 33 29	6°37'08	7°A39	19° 9	21°36	19° 7	29°44	15°28	14°51	22°44	12°23	21°D37	20°51	0°32	25°32	S 22
M23	22 37 25	7°35'26	19°30	20°31	22°25	19°46	29°42	15°24	14°50	22°45	12°23	21°R37	20°48	0°38	25°38	M23
T 24	22 41 22	8°33'45	1°329	21°58	23°16	20°25	29°39	15°19	14°49	22°46	12°23	21°37	20°45	0°45	25°43	T 24
W25	22 45 18	9°32'06	13°41	23°30	24° 7	21° 3	29°36	15°14	14°48	22°47	12°23	21°35	20°42	0°52	25°49	W25
T 26	22 49 15	10°30'29	26°10	25° 6	24°59	21°42	29°34	15°10	14°47	22°48	12°24	21°31	20°39	0°58	25°55	T 26
F 27	22 53 11	11°28'53	9°A 0	26°46	25°52	22°21	29°31	15° 5	14°46	22°48	12°24	21°24	20°35	1° 5	26° 1	F 27
S 28	22 57 8	12°27'19	22°12	28°28	26°45	23° 0	29°27	15° 1	14°45	22°49	12°24	21°15	20°32	1°12	26° 7	S 28
S 29	23 1 4	13°25'47	5°H46	0°II13	27°39	23°39	29°24	14°56	14°44	22°50	12°24	21° 3	20°29	1°18	26°12	S 29
M30	23 5 1	14°24'16	19°40	2° 0	28°33	24°18	29°20	14°51	14°43	22°50	12°24	20°51	20°26	1°25	26°18	M30
T 31	23 8 58	15°II22'48	3°Y49	3°II49	29°328	24°II57	29°Y17	14°H47	14°342	22°II51	12°II24	20°II40	20°II23	1°A32	26°324	T 31

Delta T = 07m42s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1406

geocentric

SEPTEMBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 12 54	16 ¹¹ 21'21"	18 ¹⁷ 8	5 ¹¹ 39	0 ¹² 24	25 ¹¹ 36	29 ¹⁰ 13	14 ¹⁰ R42	14 ¹⁰ R42	22 ¹¹ 52	12 ¹¹ 24	20 ¹⁰ R30	20 ¹¹ 20	1 ¹⁰ 38	26 ¹⁰ 29	W 1
T 2	23 16 51	17 ¹⁰ 19'57"	2 ¹⁰ 31	7 ¹⁰ 29	1 ¹⁰ 20	26 ¹⁰ 15	29 ¹⁰ 9	14 ¹⁰ 37	14 ¹⁰ 37	22 ¹⁰ 52	12 ¹⁰ 24	20 ¹⁰ 22	20 ¹⁰ 16	1 ¹⁰ 45	26 ¹⁰ 35	T 2
F 3	23 20 47	18 ¹⁰ 18'35"	16 ¹⁰ 53	9 ¹⁰ 21	2 ¹⁰ 16	26 ¹⁰ 54	29 ¹⁰ 4	14 ¹⁰ 33	14 ¹⁰ 40	22 ¹⁰ 53	12 ¹⁰ 24	20 ¹⁰ 17	20 ¹⁰ 13	1 ¹⁰ 52	26 ¹⁰ 40	F 3
S 4	23 24 44	19 ¹⁰ 17'15"	1 ¹¹ 10	11 ¹⁰ 12	3 ¹⁰ 14	27 ¹⁰ 34	29 ¹⁰ 0	14 ¹⁰ 28	14 ¹⁰ 40	22 ¹⁰ 53	12 ¹⁰ R24	20 ¹⁰ 15	20 ¹⁰ 10	1 ¹⁰ 58	26 ¹⁰ 45	S 4
S 5	23 28 40	20 ¹⁰ 15'58"	15 ¹⁰ 20	13 ¹⁰ 4	4 ¹⁰ 11	28 ¹⁰ 13	28 ¹⁰ 55	14 ¹⁰ 24	14 ¹⁰ 39	22 ¹⁰ 54	12 ¹⁰ 24	20 ¹⁰ 14	20 ¹⁰ 7	2 ¹⁰ 5	26 ¹⁰ 51	S 5
M 6	23 32 37	21 ¹⁰ 14'43"	29 ¹⁰ 22	14 ¹⁰ 55	5 ¹⁰ 9	28 ¹⁰ 52	28 ¹⁰ 50	14 ¹⁰ 19	14 ¹⁰ 39	22 ¹⁰ 54	12 ¹⁰ 24	20 ¹⁰ 14	20 ¹⁰ 4	2 ¹⁰ 12	26 ¹⁰ 56	M 6
T 7	23 36 33	22 ¹⁰ 13'30"	13 ¹⁰ 15	16 ¹⁰ 46	6 ¹⁰ 8	29 ¹⁰ 31	28 ¹⁰ 45	14 ¹⁰ 14	14 ¹⁰ 38	22 ¹⁰ 54	12 ¹⁰ 24	20 ¹⁰ 13	20 ¹⁰ 0	2 ¹⁰ 18	27 ¹⁰ 1	T 7
W 8	23 40 30	23 ¹⁰ 12'19"	26 ¹⁰ 59	18 ¹⁰ 37	7 ¹⁰ 7	0 ¹¹ 11	28 ¹⁰ 40	14 ¹⁰ 10	14 ¹⁰ 38	22 ¹⁰ 55	12 ¹⁰ 24	20 ¹⁰ 10	19 ¹⁰ 57	2 ¹⁰ 25	27 ¹⁰ 6	W 8
T 9	23 44 27	24 ¹⁰ 11'11"	10 ¹¹ 34	20 ¹⁰ 27	8 ¹⁰ 7	0 ¹⁰ 50	28 ¹⁰ 35	14 ¹⁰ 5	14 ¹⁰ 37	22 ¹⁰ 55	12 ¹⁰ 24	20 ¹⁰ 5	19 ¹⁰ 54	2 ¹⁰ 31	27 ¹⁰ 11	T 9
F 10	23 48 23	25 ¹⁰ 10'05"	23 ¹⁰ 59	22 ¹⁰ 16	9 ¹⁰ 6	1 ¹⁰ 30	28 ¹⁰ 29	14 ¹⁰ 1	14 ¹⁰ 37	22 ¹⁰ 55	12 ¹⁰ 24	19 ¹⁰ 56	19 ¹⁰ 51	2 ¹⁰ 38	27 ¹⁰ 16	F 10
S 11	23 52 20	26 ¹⁰ 9'01"	7 ¹¹ 13	24 ¹⁰ 5	10 ¹⁰ 7	2 ¹⁰ 9	28 ¹⁰ 23	13 ¹⁰ 56	14 ¹⁰ 37	22 ¹⁰ 56	12 ¹⁰ 24	19 ¹⁰ 45	19 ¹⁰ 48	2 ¹⁰ 45	27 ¹⁰ 21	S 11
S 12	23 56 16	27 ¹⁰ 7'59"	20 ¹⁰ 15	25 ¹⁰ 53	11 ¹⁰ 7	2 ¹⁰ 48	28 ¹⁰ 18	13 ¹⁰ 52	14 ¹⁰ 37	22 ¹⁰ 56	12 ¹⁰ 24	19 ¹⁰ 32	19 ¹⁰ 45	2 ¹⁰ 51	27 ¹⁰ 26	S 12
M 13	0 0 13	28 ¹⁰ 7'00"	3 ¹¹ 3	27 ¹⁰ 41	12 ¹⁰ 9	3 ¹⁰ 28	28 ¹⁰ 12	13 ¹⁰ 47	14 ¹⁰ 36	22 ¹⁰ 56	12 ¹⁰ 24	19 ¹⁰ 19	19 ¹⁰ 41	2 ¹⁰ 58	27 ¹⁰ 31	M 13
T 14	0 4 9	29 ¹⁰ 6'02"	15 ¹⁰ 36	29 ¹⁰ 27	13 ¹⁰ 10	4 ¹⁰ 7	28 ¹⁰ 6	13 ¹⁰ 43	14 ¹⁰ 36	22 ¹⁰ 56	12 ¹⁰ 23	19 ¹⁰ 6	19 ¹⁰ 38	3 ¹⁰ 5	27 ¹⁰ 35	T 14
W 15	0 8 6	0 ¹¹ 5'06"	27 ¹⁰ 56	1 ¹¹ 13	14 ¹⁰ 12	4 ¹⁰ 47	27 ¹⁰ 59	13 ¹⁰ 39	14 ¹⁰ 36	22 ¹⁰ 56	12 ¹⁰ 23	18 ¹⁰ 55	19 ¹⁰ 35	3 ¹⁰ 11	27 ¹⁰ 40	W 15
T 16	0 12 2	1 ¹¹ 4'13"	10 ¹¹ 2	2 ¹¹ 58	15 ¹⁰ 14	5 ¹⁰ 27	27 ¹⁰ 53	13 ¹⁰ 34	14 ¹⁰ D36	22 ¹⁰ 56	12 ¹⁰ 23	18 ¹⁰ 47	19 ¹⁰ 32	3 ¹⁰ 18	27 ¹⁰ 44	T 16
F 17	0 15 59	2 ¹¹ 3'21"	21 ¹⁰ 59	4 ¹¹ 42	16 ¹⁰ 17	6 ¹⁰ 6	27 ¹⁰ 46	13 ¹⁰ 30	14 ¹⁰ 36	22 ¹⁰ 56	12 ¹⁰ 23	18 ¹⁰ 41	19 ¹⁰ 29	3 ¹⁰ 25	27 ¹⁰ 49	F 17
S 18	0 19 56	3 ¹¹ 2'31"	3 ¹¹ 48	6 ¹¹ 25	17 ¹⁰ 19	6 ¹⁰ 46	27 ¹⁰ 40	13 ¹⁰ 26	14 ¹⁰ 36	22 ¹⁰ R56	12 ¹⁰ 22	18 ¹⁰ 38	19 ¹⁰ 26	3 ¹⁰ 31	27 ¹⁰ 53	S 18
S 19	0 23 52	4 ¹¹ 1'43"	15 ¹⁰ 35	8 ¹¹ 8	18 ¹⁰ 23	7 ¹⁰ 26	27 ¹⁰ 33	13 ¹⁰ 22	14 ¹⁰ 36	22 ¹⁰ 56	12 ¹⁰ 22	18 ¹⁰ D37	19 ¹⁰ 22	3 ¹⁰ 38	27 ¹⁰ 58	S 19
M 20	0 27 49	5 ¹¹ 0'57"	27 ¹⁰ 24	9 ¹¹ 49	19 ¹⁰ 26	8 ¹⁰ 6	27 ¹⁰ 26	13 ¹⁰ 17	14 ¹⁰ 37	22 ¹⁰ 56	12 ¹⁰ 22	18 ¹⁰ 38	19 ¹⁰ 19	3 ¹⁰ 45	28 ¹⁰ 2	M 20
T 21	0 31 45	6 ¹¹ 0'13"	9 ¹¹ 21	11 ¹⁰ 30	20 ¹⁰ 30	8 ¹⁰ 45	27 ¹⁰ 19	13 ¹⁰ 13	14 ¹⁰ 37	22 ¹⁰ 56	12 ¹⁰ 21	18 ¹⁰ R38	19 ¹⁰ 16	3 ¹⁰ 51	28 ¹⁰ 6	T 21
W 22	0 35 42	6 ¹¹ 59'30"	21 ¹⁰ 32	13 ¹⁰ 10	21 ¹⁰ 34	9 ¹⁰ 25	27 ¹⁰ 12	13 ¹⁰ 9	14 ¹⁰ 37	22 ¹⁰ 56	12 ¹⁰ 21	18 ¹⁰ 37	19 ¹⁰ 13	3 ¹⁰ 58	28 ¹⁰ 10	W 22
T 23	0 39 38	7 ¹¹ 58'50"	4 ¹¹ 1	14 ¹⁰ 49	22 ¹⁰ 38	10 ¹⁰ 5	27 ¹⁰ 5	13 ¹⁰ 5	14 ¹⁰ 38	22 ¹⁰ 56	12 ¹⁰ 21	18 ¹⁰ 34	19 ¹⁰ 10	4 ¹⁰ 5	28 ¹⁰ 14	T 23
F 24	0 43 35	8 ¹¹ 58'11"	16 ¹⁰ 54	16 ¹⁰ 28	23 ¹⁰ 43	10 ¹⁰ 45	26 ¹⁰ 57	13 ¹⁰ 1	14 ¹⁰ 38	22 ¹⁰ 56	12 ¹⁰ 20	18 ¹⁰ 28	19 ¹⁰ 6	4 ¹⁰ 11	28 ¹⁰ 18	F 24
S 25	0 47 31	9 ¹¹ 57'34"	0 ¹¹ 12	18 ¹⁰ 5	24 ¹⁰ 48	11 ¹⁰ 25	26 ¹⁰ 50	12 ¹⁰ 58	14 ¹⁰ 38	22 ¹⁰ 55	12 ¹⁰ 20	18 ¹⁰ 21	19 ¹⁰ 3	4 ¹⁰ 18	28 ¹⁰ 22	S 25
S 26	0 51 28	10 ¹¹ 56'58"	13 ¹⁰ 57	19 ¹⁰ 42	25 ¹⁰ 53	12 ¹⁰ 5	26 ¹⁰ 42	12 ¹⁰ 54	14 ¹⁰ 39	22 ¹⁰ 55	12 ¹⁰ 19	18 ¹⁰ 11	19 ¹⁰ 0	4 ¹⁰ 25	28 ¹⁰ 26	S 26
M 27	0 55 24	11 ¹¹ 56'25"	28 ¹⁰ 7	21 ¹⁰ 19	26 ¹⁰ 59	12 ¹⁰ 45	26 ¹⁰ 35	12 ¹⁰ 50	14 ¹⁰ 39	22 ¹⁰ 55	12 ¹⁰ 19	18 ¹⁰ 0	18 ¹⁰ 57	4 ¹⁰ 31	28 ¹⁰ 29	M 27
T 28	0 59 21	12 ¹¹ 55'53"	12 ¹¹ 37	22 ¹⁰ 54	28 ¹⁰ 5	13 ¹⁰ 25	26 ¹⁰ 27	12 ¹⁰ 46	14 ¹⁰ 40	22 ¹⁰ 55	12 ¹⁰ 18	17 ¹⁰ 50	18 ¹⁰ 54	4 ¹⁰ 38	28 ¹⁰ 33	T 28
W 29	1 3 18	13 ¹¹ 55'24"	27 ¹⁰ 21	24 ¹⁰ 29	29 ¹⁰ 11	14 ¹⁰ 5	26 ¹⁰ 19	12 ¹⁰ 43	14 ¹⁰ 41	22 ¹⁰ 54	12 ¹⁰ 18	17 ¹⁰ 41	18 ¹⁰ 51	4 ¹⁰ 44	28 ¹⁰ 36	W 29
T 30	1 7 14	14 ¹¹ 54'57"	12 ¹¹ 10	26 ¹⁰ 4	0 ¹¹ 17	14 ¹¹ 45	26 ¹⁰ Y11	12 ¹¹ 39	14 ¹¹ 31	22 ¹¹ 54	12 ¹¹ 17	17 ¹¹ 34	18 ¹¹ 47	4 ¹¹ 51	28 ¹⁰ 40	T 30

Delta T = 07m42s

Julian Calendar 1 Sept. 1406 == Greg. Calendar 10 Sept. 1406

OCTOBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 11 11	15 ¹¹ 54'32	26 ¹¹ 56	27 ¹¹ 37	1 ¹¹ 23	15 ¹¹ 25	26 ¹⁰ R 4	12 ¹⁰ R36	14 ¹¹ 32	22 ¹¹ R53	12 ¹⁰ R17	17 ¹⁰ R30	18 ¹¹ 44	4 ¹¹ 58	28 ¹¹ 43	F 1
S 2	1 15 7	16 ¹¹ 54'09	11 ¹¹ 33	29 ¹⁰ 10	2 ¹¹ 30	16 ¹⁰ 6	25 ¹⁰ Y56	12 ¹¹ 32	14 ¹¹ 43	22 ¹¹ 53	12 ¹¹ 16	17 ¹⁰ D29	18 ¹¹ 41	5 ¹¹ 4	28 ¹¹ 46	S 2
S 3	1 19 4	17 ¹¹ 53'49	25 ¹⁰ 57	0 ¹¹ 43	3 ¹¹ 37	16 ¹⁰ 46	25 ¹⁰ 48	12 ¹⁰ 29	14 ¹¹ 44	22 ¹¹ 52	12 ¹¹ 15	17 ¹¹ 29	18 ¹¹ 38	5 ¹¹ 11	28 ¹¹ 50	S 3
M 4	1 23 0	18 ¹¹ 53'31	10 ¹¹ 5	2 ¹¹ 15	4 ¹¹ 44	17 ¹⁰ 26	25 ¹⁰ 40	12 ¹⁰ 26	14 ¹¹ 45	22 ¹¹ 52	12 ¹¹ 15	17 ¹⁰ 29	18 ¹¹ 35	5 ¹¹ 18	28 ¹¹ 53	M 4
T 5	1 26 57	19 ¹¹ 53'16	23 ¹⁰ 55	3 ¹¹ 46	5 ¹¹ 52	18 ¹⁰ 7	25 ¹⁰ 32	12 ¹⁰ 22	14 ¹¹ 46	22 ¹¹ 51	12 ¹¹ 14	17 ¹⁰ R29	18 ¹¹ 32	5 ¹¹ 24	28 ¹¹ 56	T 5
W 6	1 30 53	20 ¹¹ 53'02	7 ¹¹ 30	5 ¹¹ 17	6 ¹¹ 59	18 ¹⁰ 47	25 ¹⁰ 23	12 ¹⁰ 19	14 ¹¹ 47	22 ¹¹ 51	12 ¹¹ 14	17 ¹⁰ 28	18 ¹¹ 28	5 ¹¹ 31	28 ¹¹ 59	W 6
T 7	1 34 50	21 ¹¹ 52'51	20 ¹⁰ 50	6 ¹¹ 47	8 ¹¹ 7	19 ¹⁰ 27	25 ¹⁰ 15	12 ¹⁰ 16	14 ¹¹ 48	22 ¹¹ 50	12 ¹¹ 13	17 ¹⁰ 25	18 ¹¹ 25	5 ¹¹ 38	29 ¹⁰ 1	T 7
F 8	1 38 47	22 ¹¹ 52'43	3 ¹¹ 56	8 ¹¹ 16	9 ¹¹ 15	20 ¹⁰ 8	25 ¹⁰ 7	12 ¹⁰ 13	14 ¹¹ 49	22 ¹¹ 50	12 ¹¹ 12	17 ¹⁰ 19	18 ¹¹ 22	5 ¹¹ 44	29 ¹⁰ 4	F 8
S 9	1 42 43	23 ¹¹ 52'36	16 ¹⁰ 49	9 ¹¹ 45	10 ¹⁰ 24	20 ¹⁰ 48	24 ¹⁰ 59	12 ¹⁰ 10	14 ¹¹ 50	22 ¹¹ 49	12 ¹¹ 11	17 ¹⁰ 10	18 ¹¹ 19	5 ¹¹ 51	29 ¹⁰ 7	S 9
S 10	1 46 40	24 ¹¹ 52'31	29 ¹⁰ 30	11 ¹⁰ 13	11 ¹⁰ 32	21 ¹⁰ 29	24 ¹⁰ 51	12 ¹⁰ 8	14 ¹¹ 51	22 ¹¹ 48	12 ¹¹ 11	17 ¹⁰ 1	18 ¹¹ 16	5 ¹¹ 58	29 ¹⁰ 9	S 10
M 11	1 50 36	25 ¹¹ 52'29	11 ¹¹ 59	12 ¹⁰ 41	12 ¹⁰ 41	22 ¹⁰ 9	24 ¹⁰ 43	12 ¹⁰ 5	14 ¹¹ 52	22 ¹¹ 47	12 ¹¹ 10	16 ¹⁰ 51	18 ¹¹ 12	6 ¹¹ 4	29 ¹⁰ 12	M 11
T 12	1 54 33	26 ¹¹ 52'28	24 ¹⁰ 18	14 ¹⁰ 8	13 ¹⁰ 49	22 ¹⁰ 50	24 ¹⁰ 35	12 ¹⁰ 2	14 ¹¹ 54	22 ¹¹ 47	12 ¹¹ 9	16 ¹⁰ 41	18 ¹¹ 9	6 ¹¹ 11	29 ¹⁰ 14	T 12
W 13	1 58 29	27 ¹¹ 52'30	6 ¹¹ 26	15 ¹⁰ 35	14 ¹⁰ 58	23 ¹⁰ 31	24 ¹⁰ 26	12 ¹⁰ 0	14 ¹¹ 55	22 ¹¹ 46	12 ¹¹ 8	16 ¹⁰ 33	18 ¹¹ 6	6 ¹¹ 18	29 ¹⁰ 16	W 13
T 14	2 2 26	28 ¹¹ 52'33	18 ¹⁰ 25	17 ¹⁰ 0	16 ¹⁰ 8	24 ¹⁰ 11	24 ¹⁰ 18	11 ¹⁰ 57	14 ¹¹ 56	22 ¹¹ 45	12 ¹¹ 8	16 ¹⁰ 27	18 ¹¹ 3	6 ¹¹ 24	29 ¹⁰ 18	T 14
F 15	2 6 22	29 ¹¹ 52'38	0 ¹¹ 17	18 ¹⁰ 25	17 ¹⁰ 17	24 ¹⁰ 52	24 ¹⁰ 10	11 ¹⁰ 55	14 ¹¹ 58	22 ¹¹ 44	12 ¹¹ 7	16 ¹⁰ 24	18 ¹¹ 0	6 ¹¹ 31	29 ¹⁰ 20	F 15
S 16	2 10 19	0 ¹¹ 52'45	12 ¹⁰ 4	19 ¹⁰ 50	18 ¹⁰ 26	25 ¹⁰ 33	24 ¹⁰ 2	11 ¹⁰ 53	14 ¹¹ 59	22 ¹¹ 43	12 ¹¹ 6	16 ¹⁰ D22	17 ¹⁰ 57	6 ¹¹ 37	29 ¹⁰ 22	S 16
S 17	2 14 16	1 ¹¹ 52'54	23 ¹⁰ 49	21 ¹⁰ 13	19 ¹⁰ 36	26 ¹⁰ 14	23 ¹⁰ 54	11 ¹⁰ 51	15 ¹⁰ 1	22 ¹¹ 42	12 ¹¹ 5	16 ¹⁰ 22	17 ¹⁰ 53	6 ¹¹ 44	29 ¹⁰ 24	S 17
M 18	2 18 12	2 ¹¹ 53'04	5 ¹¹ 38	22 ¹⁰ 36	20 ¹⁰ 46	26 ¹⁰ 55	23 ¹⁰ 46	11 ¹⁰ 49	15 ¹⁰ 3	22 ¹¹ 41	12 ¹¹ 4	16 ¹⁰ 23	17 ¹⁰ 50	6 ¹¹ 51	29 ¹⁰ 26	M 18
T 19	2 22 9	3 ¹¹ 53'16	17 ¹⁰ 34	23 ¹⁰ 58	21 ¹⁰ 56	27 ¹⁰ 36	23 ¹⁰ 38	11 ¹⁰ 47	15 ¹⁰ 4	22 ¹¹ 40	12 ¹¹ 3	16 ¹⁰ 25	17 ¹⁰ 47	6 ¹¹ 57	29 ¹⁰ 27	T 19
W 20	2 26 5	4 ¹¹ 53'30	29 ¹⁰ 42	25 ¹⁰ 19	23 ¹⁰ 6	28 ¹⁰ 17	23 ¹⁰ 31	11 ¹⁰ 45	15 ¹⁰ 6	22 ¹¹ 39	12 ¹¹ 3	16 ¹⁰ R26	17 ¹⁰ 44	7 ¹¹ 4	29 ¹⁰ 29	W 20
T 21	2 30 2	5 ¹¹ 53'45	12 ¹¹ 7	26 ¹⁰ 38	24 ¹⁰ 16	28 ¹⁰ 58	23 ¹⁰ 23	11 ¹⁰ 43	15 ¹⁰ 8	22 ¹¹ 38	12 ¹¹ 2	16 ¹⁰ 26	17 ¹⁰ 41	7 ¹¹ 11	29 ¹⁰ 30	T 21
F 22	2 33 58	6 ¹¹ 54'02	24 ¹⁰ 56	27 ¹⁰ 57	25 ¹⁰ 27	29 ¹⁰ 39	23 ¹⁰ 15	11 ¹⁰ 41	15 ¹⁰ 9	22 ¹¹ 37	12 ¹¹ 1	16 ¹⁰ 24	17 ¹⁰ 37	7 ¹¹ 17	29 ¹⁰ 32	F 22
S 23	2 37 55	7 ¹¹ 54'19	8 ¹¹ 10	29 ¹⁰ 14	26 ¹⁰ 37	0 ¹¹ 20	23 ¹⁰ 7	11 ¹⁰ 40	15 ¹⁰ 11	22 ¹¹ 36	12 ¹¹ 0	16 ¹⁰ 21	17 ¹⁰ 34	7 ¹¹ 24	29 ¹⁰ 33	S 23
S 24	2 41 51	8 ¹¹ 54'39	21 ¹⁰ 53	0 ¹¹ 29	27 ¹⁰ 48	1 ¹¹ 0	23 ¹⁰ 0	11 ¹⁰ 38	15 ¹⁰ 13	22 ¹¹ 35	11 ¹⁰ 59	16 ¹⁰ 16	17 ¹⁰ 31	7 ¹¹ 31	29 ¹⁰ 34	S 24
M 25	2 45 48	9 ¹¹ 55'00	6 ¹¹ 4	1 ¹¹ 44	28 ¹⁰ 58	1 ¹¹ 42	22 ¹⁰ 52	11 ¹⁰ 37	15 ¹⁰ 15	22 ¹¹ 34	11 ¹⁰ 58	16 ¹⁰ 11	17 ¹⁰ 28	7 ¹¹ 37	29 ¹⁰ 35	M 25
T 26	2 49 45	10 ¹¹ 55'22	20 ¹⁰ 41	2 ¹¹ 56	0 ¹¹ 9	2 ¹¹ 23	22 ¹⁰ 45	11 ¹⁰ 36	15 ¹⁰ 17	22 ¹¹ 33	11 ¹⁰ 57	16 ¹⁰ 5	17 ¹⁰ 25	7 ¹¹ 44	29 ¹⁰ 36	T 26
W 27	2 53 41	11 ¹¹ 55'46	5 ¹¹ 36	4 ¹¹ 6	1 ¹¹ 20	3 ¹¹ 4	22 ¹⁰ 38	11 ¹⁰ 35	15 ¹⁰ 19	22 ¹¹ 32	11 ¹⁰ 56	16 ¹⁰ 0	17 ¹⁰ 22	7 ¹¹ 51	29 ¹⁰ 37	W 27
T 28	2 57 38	12 ¹¹ 56'12	20 ¹⁰ 43	5 ¹¹ 14	2 ¹¹ 32	3 ¹¹ 46	22 ¹⁰ 31	11 ¹⁰ 33	15 ¹⁰ 21	22 ¹¹ 30	11 ¹⁰ 55	15 ¹⁰ 56	17 ¹⁰ 18	7 ¹¹ 57	29 ¹⁰ 38	T 28
F 29	3 1 34	13 ¹¹ 56'39	5 ¹¹ 11	6 ¹¹ 19	3 ¹¹ 43	4 ¹¹ 27	22 ¹⁰ 24	11 ¹⁰ 33	15 ¹⁰ 23	22 ¹¹ 29	11 ¹⁰ 54	15 ¹⁰ 55	17 ¹⁰ 15	8 ¹¹ 4	29 ¹⁰ 38	F 29
S 30	3 5 31	14 ¹¹ 57'08	20 ¹⁰ 51	7 ¹¹ 21	4 ¹¹ 54	5 ¹¹ 8	22 ¹⁰ 17	11 ¹⁰ 32	15 ¹⁰ 25	22 ¹¹ 28	11 ¹⁰ 53	15 ¹⁰ D54	17 ¹⁰ 12	8 ¹¹ 11	29 ¹⁰ 39	S 30
S 31	3 9 27	15 ¹¹ 57'40	5 ¹¹ 36	8 ¹¹ 20	6 ¹¹ 6	5 ¹¹ 50	22 ¹⁰ 10	11 ¹⁰ 31	15 ¹⁰ 27	22 ¹¹ 27	11 ¹⁰ 52	15 ¹⁰ 55	17 ¹⁰ 11	8 ¹¹ 17	29 ¹⁰ 39	S 31

ASTRODIENST EPHEMERIS for the year 1406
geocentric

NOVEMBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 13 24	16♌58°12	20♌0	9♌15	7♌17	6♌31	22°R 3	11°R30	15♌30	22°R25	11°R51	15♌57	17♌6	8♌24	29♌39	M 1
T 2	3 17 20	17°58'47	4♌1	10° 6	8°29	7°13	21°Y57	11°X30	15°32	22°II24	11°II50	15°58	17° 3	8°30	29°40	T 2
W 3	3 21 17	18°59'23	17°39	10°52	9°41	7°54	21°50	11°29	15°34	22°23	11°49	15°R59	16°59	8°37	29°R40	W 3
T 4	3 25 14	20° 0'01	0♌56	11°33	10°53	8°36	21°44	11°29	15°36	22°21	11°48	15°58	16°56	8°44	29°40	T 4
F 5	3 29 10	21° 0'41	13°53	12° 8	12° 5	9°17	21°38	11°29	15°39	22°20	11°47	15°57	16°53	8°50	29°40	F 5
S 6	3 33 7	22° 1'23	26°33	12°35	13°17	9°59	21°32	11°D29	15°41	22°19	11°46	15°54	16°50	8°57	29°39	S 6
S 7	3 37 3	23° 2'06	8♌58	12°56	14°30	10°41	21°26	11°29	15°44	22°17	11°45	15°50	16°47	9° 4	29°39	S 7
M 8	3 41 0	24° 2'51	21°13	13° 7	15°42	11°22	21°20	11°29	15°46	22°16	11°43	15°46	16°43	9°10	29°39	M 8
T 9	3 44 56	25° 3'37	3♌17	13°R10	16°54	12° 4	21°15	11°29	15°49	22°14	11°42	15°43	16°40	9°17	29°38	T 9
W10	3 48 53	26° 4'24	15°14	13° 3	18° 7	12°46	21° 9	11°29	15°51	22°13	11°41	15°40	16°37	9°24	29°38	W10
T 11	3 52 49	27° 5'13	27° 6	12°45	19°19	13°28	21° 4	11°30	15°54	22°11	11°40	15°38	16°34	9°30	29°37	T 11
F 12	3 56 46	28° 6'04	8♌54	12°17	20°32	14°10	20°59	11°30	15°56	22°10	11°39	15°37	16°31	9°37	29°36	F 12
S 13	4 0 43	29° 6'55	20°41	11°37	21°45	14°52	20°54	11°31	15°59	22° 8	11°38	15°D37	16°28	9°44	29°35	S 13
S 14	4 4 39	0♌748	2♌29	10°47	22°58	15°34	20°49	11°32	16° 2	22° 7	11°37	15°37	16°24	9°50	29°34	S 14
M15	4 8 36	1° 8'41	14°20	9°46	24°11	16°16	20°45	11°33	16° 5	22° 5	11°36	15°39	16°21	9°57	29°33	M15
T 16	4 12 32	2° 9'36	26°18	8°37	25°24	16°58	20°41	11°34	16° 7	22° 4	11°34	15°40	16°18	10° 4	29°32	T 16
W17	4 16 29	3°10'32	8♌28	7°21	26°37	17°40	20°36	11°35	16°10	22° 2	11°33	15°41	16°15	10°10	29°30	W17
T 18	4 20 25	4°11'28	20°52	6° 0	27°50	18°22	20°33	11°36	16°13	22° 0	11°32	15°42	16°12	10°17	29°29	T 18
F 19	4 24 22	5°12'25	3♌35	4°38	29° 3	19° 5	20°29	11°37	16°16	21°59	11°31	15°R42	16° 9	10°23	29°27	F 19
S 20	4 28 18	6°13'22	16°41	3°15	0♌16	19°47	20°25	11°39	16°19	21°57	11°30	15°42	16° 5	10°30	29°26	S 20
S 21	4 32 15	7°14'21	0♌14	1°57	1°30	20°29	20°22	11°40	16°22	21°56	11°29	15°42	16° 2	10°37	29°24	S 21
M22	4 36 12	8°15'19	14°13	0°44	2°43	21°11	20°19	11°42	16°25	21°54	11°27	15°41	15°59	10°43	29°22	M22
T 23	4 40 8	9°16'19	28°40	29♌40	3°56	21°54	20°16	11°43	16°28	21°52	11°26	15°40	15°56	10°50	29°20	T 23
W24	4 44 5	10°17'19	13♌30	28°45	5°10	22°36	20°13	11°45	16°31	21°51	11°25	15°39	15°53	10°57	29°18	W24
T 25	4 48 1	11°18'20	28°36	28° 1	6°23	23°19	20°10	11°47	16°34	21°49	11°24	15°39	15°49	11° 3	29°16	T 25
F 26	4 51 58	12°19'22	13♌51	27°28	7°37	24° 1	20° 8	11°49	16°37	21°47	11°23	15°D39	15°46	11°10	29°14	F 26
S 27	4 55 54	13°20'25	29° 4	27° 7	8°51	24°44	20° 6	11°51	16°40	21°46	11°22	15°39	15°43	11°17	29°11	S 27
S 28	4 59 51	14°21'28	14♌5	26°56	10° 4	25°26	20° 4	11°54	16°43	21°44	11°21	15°39	15°40	11°23	29° 9	S 28
M29	5 3 48	15°22'32	28°48	26°D55	11°18	26° 9	20° 2	11°56	16°46	21°42	11°19	15°R39	15°37	11°30	29° 7	M29
T 30	5 7 44	16♌23'37	13♌5	27♌5	12♌32	26♌52	20°Y 1	11°X58	16♌49	21°II41	11°II18	15°II39	15°II34	11°X37	29♌4	T 30

Delta T = 07m42s

Julian Calendar 1 Nov. 1406 == Greg. Calendar 10 Nov. 1406

DECEMBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 11 41	17♌24°43	26♌56	27♌23	13♌46	27♌34	19°R59	12°X 1	16♌52	21°R39	11°R17	15°R39	15°II30	11°X43	29°R 1	W 1
T 2	5 15 37	18°25'50	10♌20	27°49	15° 0	28°17	19°Y58	12° 3	16°56	21°II37	11°II16	15°II39	15°27	11°50	28°59	T 2
F 3	5 19 34	19°26'57	23°18	28°23	16°13	29° 0	19°57	12° 6	16°59	21°35	11°15	15°D39	15°24	11°57	28°56	F 3
S 4	5 23 30	20°28'06	5♌55	29° 3	17°27	29°43	19°57	12° 9	17° 2	21°34	11°14	15°39	15°21	12° 3	28°53	S 4
S 5	5 27 27	21°29'15	18°14	29°49	18°41	0♌26	19°56	12°12	17° 5	21°32	11°12	15°39	15°18	12°10	28°50	S 5
M 6	5 31 23	22°30'24	0♌20	0♌40	19°55	1° 8	19°56	12°15	17° 9	21°30	11°11	15°40	15°15	12°16	28°47	M 6
T 7	5 35 20	23°31'34	12°16	1°35	21°10	1°51	19°D56	12°18	17°12	21°29	11°10	15°41	15°11	12°23	28°44	T 7
W 8	5 39 17	24°32'45	24° 6	2°34	22°24	2°34	19°56	12°21	17°15	21°27	11° 9	15°42	15° 8	12°30	28°40	W 8
T 9	5 43 13	25°33'57	5♌53	3°37	23°38	3°17	19°56	12°25	17°19	21°25	11° 8	15°42	15° 5	12°36	28°37	T 9
F 10	5 47 10	26°35'08	17°40	4°43	24°52	4° 1	19°57	12°28	17°22	21°24	11° 7	15°R43	15° 2	12°43	28°34	F 10
S 11	5 51 6	27°36'20	29°29	5°52	26° 6	4°44	19°58	12°32	17°25	21°22	11° 6	15°42	14°59	12°50	28°30	S 11
S 12	5 55 3	28°37'32	11♌22	7° 3	27°21	5°27	19°59	12°35	17°29	21°20	11° 5	15°41	14°55	12°56	28°27	S 12
M13	5 58 59	29°38'45	23°22	8°17	28°35	6°10	20° 0	12°39	17°32	21°18	11° 3	15°39	14°52	13° 3	28°23	M13
T 14	6 2 56	0♌39'57	5♌30	9°32	29°49	6°53	20° 1	12°43	17°36	21°17	11° 2	15°37	14°49	13°10	28°20	T 14
W15	6 6 52	1°41'09	17°48	10°49	1♌ 3	7°37	20° 3	12°47	17°39	21°15	11° 1	15°34	14°46	13°16	28°16	W15
T 16	6 10 49	2°42'21	0♌19	12° 7	2°18	8°20	20° 5	12°51	17°42	21°13	11° 0	15°32	14°43	13°23	28°12	T 16
F 17	6 14 46	3°43'33	13° 4	13°27	3°32	9° 3	20° 7	12°55	17°46	21°12	10°59	15°30	14°40	13°30	28° 8	F 17
S 18	6 18 42	4°44'44	26° 8	14°48	4°47	9°47	20° 9	12°59	17°49	21°10	10°58	15°29	14°36	13°36	28° 4	S 18
S 19	6 22 39	5°45'55	9°Y31	16°10	6° 1	10°30	20°11	13° 3	17°53	21° 8	10°57	15°D29	14°33	13°43	28° 1	S 19
M20	6 26 35	6°47'06	23°17	17°33	7°15	11°14	20°14	13° 7	17°56	21° 7	10°56	15°29	14°30	13°49	27°57	M20
T 21	6 30 32	7°48'16	7♌26	18°57	8°30	11°57	20°17	13°12	18° 0	21° 5	10°55	15°31	14°27	13°56	27°53	T 21
W22	6 34 28	8°49'25	21°56	20°22	9°44	12°41	20°20	13°16	18° 3	21° 4	10°54	15°32	14°24	14° 3	27°48	W22
T 23	6 38 25	9°50'35	6♌45	21°47	10°59	13°24	20°23	13°21	18° 7	21° 2	10°53	15°33	14°21	14° 9	27°44	T 23
F 24	6 42 21	10°51'44	21°46	23°14	12°13	14° 8	20°26	13°25	18°10	21° 0	10°52	15°R33	14°17	14°16	27°40	F 24
S 25	6 46 18	11°52'52	6♌53	24°41	13°28	14°52	20°30	13°30	18°14	20°59	10°51	15°32	14°14	14°23	27°36	S 25
S 26	6 50 15	12°54'00	21°55	26° 8	14°42	15°35	20°34	13°35	18°17	20°57	10°50	15°30	14°11	14°29	27°32	S 26
M27	6 54 11	13°55'08	6♌44	27°37	15°57	16°19	20°38	13°40	18°21	20°56	10°49	15°26	14° 8	14°36	27°27	M27
T 28	6 58 8	14°56'15	21°13	29° 6	17°11	17° 3	20°42	13°45	18°24	20°54	10°48	15°21	14° 5	14°43	27°23	T 28
W29	7 2 4	15°57'22	5♌15	0♌35	18°26	17°47	20°46	13°50	18°28	20°53	10°47	15°17	14° 1	14°49	27°19	W29
T 30	7 6 1	16°58'29	18°49	2° 5	19°41	18°31	20°51	13°55	18°32	20°51	10°46	15°13	13°58	14°56	27°14	T 30
F 31	7 9 57	17♌59'35	1♌55	3♌36	20♌55	19♌15	20°Y55	14°X 0	18♌35	20°II50	10°II45	15°II10	13°II55	15°X 3	27°510	F 31

Delta T = 07m42s

Julian Calendar