



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 D5EPX

ASTRODIENST EPHEMERIS for the year 1406

geocentric

JANUARY 1406 JC

00:00 UT

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

Day	☉	☽			♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	22s 8	17n 8	3s 0	22s48	0n40	17s 9	1s40	13n42	1n17	5s26	1s14	12s 8	1s45	23s 6	0s24	21n41	1s21	12n41	9s24	23n27	23n29	8s57	15n23	7s28		
S 2	21 59	20 41	1 50	22 58	0 31	16 45	1 39	13 52	1 17	5 21	1 13	12 6	1 45	23 6	0 24	21 40	1 21	12 41	9 24	23 27	23 29	9 0	15 23	7 28		
S 3	21 49	22 56	0 34	23 8	0 23	16 21	1 39	14 1	1 18	5 17	1 13	12 4	1 45	23 5	0 24	21 40	1 21	12 41	9 24	23 27	23 29	9 3	15 24	7 28		
M 4	21 40	23 43	0n44	23 16	0 14	15 57	1 38	14 11	1 19	5 13	1 13	12 1	1 45	23 5	0 24	21 40	1 21	12 41	9 24	23 27	23 29	9 5	15 24	7 28		
T 5	21 30	22 59	1 58	23 24	0 6	15 32	1 37	14 20	1 19	5 8	1 13	11 59	1 45	23 4	0 24	21 40	1 21	12 41	9 23	23 27	23 29	9 8	15 25	7 28		
W 6	21 19	20 54	3 3	23 30	0s 2	15 6	1 36	14 30	1 20	5 4	1 13	11 57	1 45	23 4	0 24	21 40	1 21	12 41	9 23	23 28	23 29	9 10	15 25	7 28		
T 7	21 8	17 43	3 57	23 36	0 10	14 40	1 35	14 40	1 20	4 59	1 13	11 54	1 45	23 4	0 24	21 40	1 21	12 41	9 23	23 28	23 29	9 13	15 26	7 28		
F 8	20 57	13 45	4 37	23 40	0 18	14 14	1 34	14 49	1 21	4 54	1 12	11 52	1 45	23 3	0 24	21 40	1 21	12 41	9 23	23 28	23 29	9 16	15 26	7 28		
S 9	20 45	9 17	5 3	23 44	0 25	13 48	1 33	14 59	1 21	4 50	1 12	11 49	1 45	23 3	0 24	21 40	1 20	12 41	9 23	23 28	23 29	9 18	15 27	7 28		
S 10	20 33	4 32	5 14	23 46	0 32	13 21	1 32	15 8	1 22	4 45	1 12	11 47	1 45	23 2	0 24	21 40	1 20	12 41	9 22	23 28	23 29	9 21	15 27	7 28		
M11	20 20	0s18	5 10	23 46	0 39	12 54	1 31	15 18	1 23	4 40	1 12	11 45	1 45	23 2	0 24	21 40	1 20	12 41	9 22	23 28	23 29	9 24	15 28	7 27		
T 12	20 7	5 4	4 53	23 46	0 46	12 26	1 29	15 28	1 23	4 36	1 12	11 42	1 45	23 2	0 24	21 40	1 20	12 42	9 22	23 28	23 29	9 26	15 28	7 27		
W13	19 54	9 37	4 24	23 44	0 53	11 58	1 28	15 37	1 24	4 31	1 12	11 40	1 45	23 1	0 24	21 40	1 20	12 42	9 22	23 28	23 29	9 29	15 29	7 27		
T 14	19 40	13 48	3 43	23 42	0 59	11 30	1 26	15 47	1 24	4 26	1 11	11 37	1 45	23 1	0 24	21 40	1 20	12 42	9 22	23 28	23 30	9 32	15 30	7 27		
F 15	19 26	17 29	2 52	23 37	1 6	11 1	1 25	15 57	1 24	4 21	1 11	11 35	1 45	23 1	0 24	21 40	1 20	12 42	9 21	23 28	23 30	9 34	15 30	7 27		
S 16	19 12	20 29	1 54	23 32	1 12	10 33	1 23	16 6	1 25	4 16	1 11	11 32	1 45	23 0	0 24	21 39	1 20	12 42	9 21	23 28	23 30	9 37	15 31	7 26		
S 17	18 57	22 36	0 49	23 25	1 17	10 4	1 21	16 16	1 25	4 11	1 11	11 30	1 45	23 0	0 24	21 39	1 20	12 42	9 21	23 28	23 30	9 40	15 31	7 26		
M18	18 42	23 39	0s20	23 17	1 23	9 34	1 20	16 26	1 26	4 7	1 11	11 27	1 44	22 59	0 25	21 39	1 20	12 42	9 21	23 28	23 30	9 42	15 32	7 26		
T 19	18 27	23 27	1 29	23 7	1 28	9 5	1 18	16 35	1 26	4 2	1 11	11 25	1 44	22 59	0 25	21 39	1 20	12 42	9 20	23 28	23 30	9 45	15 33	7 26		
W20	18 11	21 57	2 35	22 56	1 33	8 35	1 16	16 45	1 26	3 57	1 11	11 22	1 44	22 59	0 25	21 39	1 20	12 43	9 20	23 28	23 30	9 48	15 33	7 25		
T 21	17 55	19 11	3 34	22 43	1 37	8 5	1 14	16 54	1 27	3 51	1 10	11 20	1 44	22 58	0 25	21 39	1 20	12 43	9 20	23 28	23 30	9 50	15 34	7 25		
F 22	17 38	15 16	4 22	22 30	1 41	7 35	1 12	17 4	1 27	3 46	1 10	11 17	1 44	22 58	0 25	21 39	1 20	12 43	9 20	23 28	23 30	9 53	15 34	7 25		
S 23	17 22	10 29	4 54	22 14	1 45	7 4	1 10	17 13	1 28	3 41	1 10	11 15	1 44	22 57	0 25	21 39	1 20	12 43	9 20	23 28	23 30	9 55	15 35	7 24		
S 24	17 5	5 6	5 9	21 57	1 49	6 34	1 7	17 23	1 28	3 36	1 10	11 12	1 44	22 57	0 25	21 39	1 20	12 43	9 19	23 29	23 30	9 58	15 36	7 24		
M25	16 47	0n35	5 5	21 39	1 52	6 3	1 5	17 32	1 28	3 31	1 10	11 9	1 44	22 57	0 25	21 39	1 20	12 43	9 19	23 29	23 30	10 1	15 36	7 24		
T 26	16 30	6 14	4 42	21 19	1 55	5 32	1 3	17 42	1 28	3 26	1 10	11 7	1 44	22 56	0 25	21 39	1 20	12 44	9 19	23 29	23 30	10 3	15 37	7 23		
W27	16 12	11 34	4 2	20 58	1 58	5 1	1 0	17 51	1 29	3 21	1 10	11 4	1 44	22 56	0 25	21 39	1 20	12 44	9 19	23 29	23 30	10 6	15 38	7 23		
T 28	15 54	16 14	3 8	20 35	2 0	4 30	0 58	18 0	1 29	3 15	1 10	11 1	1 44	22 56	0 25	21 39	1 20	12 44	9 18	23 29	23 30	10 9	15 38	7 23		
F 29	15 35	19 59	2 3	20 11	2 2	3 59	0 55	18 10	1 29	3 10	1 9	10 59	1 44	22 55	0 25	21 39	1 20	12 44	9 18	23 29	23 30	10 11	15 39	7 22		
S 30	15 16	22 32	0 51	19 45	2 3	3 28	0 53	18 19	1 30	3 5	1 9	10 56	1 44	22 55	0 25	21 39	1 20	12 44	9 18	23 29	23 30	10 14	15 40	7 22		
S 31	14s58	23n42	0n24	19s18	2s 4	2s56	0s50	18n28	1n30	2s59	1s 9	10s53	1s44	22s54	0s25	21n39	1s20	12n44	9s18	23n29	23n30	10s17	15n40	7s21		

ASTRODIENST EPHEMERIS for the year 1406

geocentric

FEBRUARY 1406 JC

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	14s38	23n25	1n36	18s49	2s 5	2s25	0s47	18n37	1n30	2s54	1s 9	10s51	1s44	22s54	0s25	21n39	1s19	12n45	9s17	23n29	23n30	10s19	15n41	7s21			
T 2	14 19	21 47	2 41	18 19	2 5	1 53	0 44	18 46	1 30	2 49	1 9	10 48	1 44	22 54	0 25	21 39	1 19	12 45	9 17	23 29	23 30	10 22	15 42	7 21			
W 3	13 59	18 58	3 37	17 47	2 5	1 22	0 41	18 55	1 30	2 43	1 9	10 45	1 44	22 53	0 25	21 39	1 19	12 45	9 17	23 29	23 31	10 24	15 42	7 20			
T 4	13 39	15 15	4 20	17 13	2 5	0 50	0 38	19 4	1 31	2 38	1 9	10 43	1 44	22 53	0 25	21 39	1 19	12 45	9 17	23 29	23 31	10 27	15 43	7 20			
F 5	13 19	10 53	4 49	16 38	2 4	0 19	0 35	19 13	1 31	2 32	1 9	10 40	1 44	22 53	0 25	21 39	1 19	12 45	9 17	23 29	23 31	10 30	15 44	7 19			
S 6	12 59	6 9	5 4	16 2	2 2	0n13	0 32	19 22	1 31	2 27	1 9	10 37	1 44	22 52	0 25	21 39	1 19	12 46	9 16	23 30	23 31	10 32	15 44	7 19			
S 7	12 38	1 16	5 4	15 24	2 0	0 45	0 29	19 31	1 31	2 21	1 9	10 35	1 44	22 52	0 25	21 39	1 19	12 46	9 16	23 30	23 31	10 35	15 45	7 18			
M 8	12 18	3s36	4 50	14 44	1 58	1 16	0 26	19 39	1 31	2 16	1 8	10 32	1 44	22 52	0 25	21 39	1 19	12 46	9 16	23 30	23 31	10 38	15 46	7 18			
T 9	11 57	8 16	4 24	14 3	1 55	1 48	0 23	19 48	1 32	2 10	1 8	10 29	1 44	22 51	0 25	21 39	1 19	12 46	9 16	23 30	23 31	10 40	15 46	7 17			
W10	11 36	12 36	3 46	13 20	1 51	2 20	0 20	19 56	1 32	2 5	1 8	10 26	1 44	22 51	0 25	21 39	1 19	12 47	9 15	23 30	23 31	10 43	15 47	7 17			
T 11	11 14	16 28	2 59	12 36	1 47	2 51	0 16	20 5	1 32	1 59	1 8	10 24	1 44	22 51	0 25	21 39	1 19	12 47	9 15	23 30	23 31	10 45	15 48	7 16			
F 12	10 53	19 42	2 4	11 51	1 42	3 23	0 13	20 13	1 32	1 54	1 8	10 21	1 44	22 50	0 25	21 39	1 19	12 47	9 15	23 30	23 31	10 48	15 49	7 16			
S 13	10 31	22 7	1 3	11 4	1 37	3 54	0 10	20 22	1 32	1 48	1 8	10 18	1 45	22 50	0 25	21 39	1 19	12 47	9 15	23 30	23 31	10 51	15 49	7 15			
S 14	10 9	23 32	0s 3	10 16	1 31	4 25	0 6	20 30	1 32	1 43	1 8	10 16	1 45	22 50	0 25	21 39	1 19	12 47	9 14	23 30	23 31	10 53	15 50	7 15			
M15	9 48	23 48	1 10	9 27	1 25	4 57	0 3	20 38	1 32	1 37	1 8	10 13	1 45	22 49	0 25	21 39	1 19	12 48	9 14	23 30	23 31	10 56	15 51	7 14			
T 16	9 25	22 47	2 15	8 36	1 18	5 28	0n 1	20 46	1 32	1 31	1 8	10 10	1 45	22 49	0 25	21 39	1 19	12 48	9 14	23 30	23 31	10 59	15 51	7 14			
W17	9 3	20 28	3 14	7 44	1 10	5 59	0 4	20 54	1 33	1 26	1 8	10 7	1 45	22 49	0 25	21 39	1 19	12 48	9 14	23 30	23 31	11 1	15 52	7 13			
T 18	8 41	16 54	4 4	6 52	1 2	6 30	0 8	21 2	1 33	1 20	1 8	10 5	1 45	22 48	0 25	21 39	1 19	12 48	9 13	23 30	23 31	11 4	15 53	7 12			
F 19	8 18	12 17	4 41	5 58	0 53	7 0	0 12	21 10	1 33	1 14	1 8	10 2	1 45	22 48	0 25	21 40	1 19	12 49	9 13	23 30	23 31	11 6	15 53	7 12			
S 20	7 56	6 54	5 0	5 4	0 44	7 31	0 15	21 17	1 33	1 9	1 8	9 59	1 45	22 48	0 25	21 40	1 18	12 49	9 13	23 31	23 31	11 9	15 54	7 11			
S 21	7 33	1 4	4 59	4 9	0 34	8 1	0 19	21 25	1 33	1 3	1 7	9 56	1 45	22 48	0 25	21 40	1 18	12 49	9 13	23 31	23 31	11 12	15 55	7 11			
M22	7 10	4n50	4 39	3 14	0 23	8 32	0 23	21 32	1 33	0 52	1 7	9 54	1 45	22 47	0 25	21 40	1 18	12 50	9 12	23 31	23 31	11 14	15 55	7 10			
T 23	6 47	10 27	4 1	2 19	0 12	9 2	0 27	21 40	1 33	0 57	1 7	9 51	1 45	22 47	0 25	21 40	1 18	12 50	9 12	23 31	23 31	11 17	15 56	7 9			
W24	6 24	15 26	3 8	1 23	0 1	9 31	0 30	21 47	1 33	0 46	1 7	9 48	1 45	22 47	0 25	21 40	1 18	12 50	9 12	23 31	23 31	11 19	15 57	7 9			
T 25	6 1	19 28	2 4	0 29	0n11	10 1	0 34	21 54	1 33	0 40	1 7	9 45	1 45	22 46	0 25	21 40	1 18	12 50	9 12	23 31	23 31	11 22	15 57	7 8			
F 26	5 38	22 18	0 54	0n26	0 14	10 31	0 38	22 1	1 33	0 35	1 7	9 43	1 45	22 46	0 25	21 40	1 18	12 51	9 11	23 31	23 31	11 25	15 58	7 8			
S 27	5 15	23 45	0n19	1 19	0 36	11 0	0 42	22 8	1 33	0 29	1 7	9 40	1 45	22 46	0 25	21 40	1 18	12 51	9 11	23 31	23 31	11 27	15 59	7 7			
S 28	4s51	23n47	1n29	2n11	0n49	11n29	0n46	22n15	1n33	0s23	1s 7	9s37	1s45	22s46	0s25	21n40	1s18	12n51	9s11	23n31	23n31	11s30	15n59	7s 6			

ASTRODIENST EPHEMERIS for the year 1406

geocentric

MARCH 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 7 28	18°44'50	18° 4	5°14	29°5	3°11	1°51	9°43	17°45	17°55	9°26	0°R46	0° 4	11°11	10°R48	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°S48	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°II58	11°24	10°48	W 3
T 4	11 19 18	21°43'36	9°43	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°35	12°10	4°52	5°53	3° 3	10°19	17°55	17°57	9°28	29°II53	29°48	11°44	10°D47	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°41	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
T 11	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	T 11
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°Y38'02	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° 6	17°R45	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°31	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°Y41	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°B46	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°II30	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°S 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°Q10	10°35	0°II38	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°Y19'04	6°II36	9°Y15	2°II47	20°II24	9°Y 4	13°K13	18°S28	18°II20	9°II45	27°II35	28°II29	14°II32	11°S19	W31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	4s28	22n28	2n33	3n 2	1n 2	11n57	0n50	22n22	1n33	0s17	1s 7	9s35	1s45	22s45	0s25	21n40	1s18	12n52	9s11	23n31	23n31	11s32	16n 0	7s 6					
T 2	4 4	19 57	3 27	3 51	1 15	12 26	0 54	22 28	1 33	0 12	1 7	9 32	1 45	22 45	0 25	21 40	1 18	12 52	9 10	23 31	23 31	11 35	16 1	7 5					
W 3	3 41	16 28	4 11	4 38	1 28	12 54	0 57	22 35	1 33	0 6	1 7	9 29	1 46	22 45	0 25	21 40	1 18	12 52	9 10	23 31	23 31	11 38	16 1	7 5					
T 4	3 17	12 17	4 41	5 23	1 40	13 22	1 1	22 41	1 33	0n 0	1 7	9 26	1 46	22 45	0 25	21 40	1 18	12 52	9 10	23 31	23 31	11 40	16 2	7 4					
F 5	2 54	7 38	4 57	6 5	1 53	13 49	1 5	22 47	1 33	0 6	1 7	9 24	1 46	22 44	0 25	21 41	1 18	12 53	9 10	23 31	23 31	11 43	16 3	7 3					
S 6	2 30	2 45	4 59	6 44	2 5	14 16	1 9	22 53	1 33	0 12	1 7	9 21	1 46	22 44	0 26	21 41	1 18	12 53	9 9	23 31	23 31	11 45	16 3	7 3					
S 7	2 7	2s11	4 47	7 20	2 16	14 43	1 13	22 59	1 33	0 17	1 7	9 18	1 46	22 44	0 26	21 41	1 18	12 53	9 9	23 31	23 31	11 48	16 4	7 2					
M 8	1 43	6 59	4 22	7 53	2 27	15 10	1 17	23 5	1 33	0 23	1 7	9 16	1 46	22 44	0 26	21 41	1 18	12 54	9 9	23 31	23 31	11 51	16 5	7 1					
T 9	1 19	11 30	3 46	8 23	2 38	15 36	1 21	23 11	1 33	0 29	1 7	9 13	1 46	22 43	0 26	21 41	1 18	12 54	9 9	23 31	23 31	11 53	16 5	7 1					
W10	0 56	15 33	3 1	8 49	2 47	16 2	1 25	23 16	1 33	0 35	1 7	9 10	1 46	22 43	0 26	21 41	1 18	12 54	9 9	23 31	23 31	11 56	16 6	7 0					
T 11	0 32	19 0	2 7	9 12	2 55	16 27	1 29	23 22	1 33	0 40	1 7	9 8	1 46	22 43	0 26	21 41	1 17	12 54	9 8	23 31	23 31	11 58	16 6	6 59					
F 12	0 8	21 41	1 8	9 30	3 3	16 52	1 33	23 27	1 33	0 46	1 7	9 5	1 46	22 43	0 26	21 41	1 17	12 55	9 8	23 31	23 31	12 1	16 7	6 59					
S 13	0n15	23 26	0 5	9 45	3 9	17 17	1 36	23 32	1 33	0 52	1 7	9 3	1 46	22 43	0 26	21 41	1 17	12 55	9 8	23 31	23 31	12 4	16 8	6 58					
S 14	0 39	24 6	1s 0	9 55	3 14	17 41	1 40	23 37	1 33	0 58	1 7	9 0	1 47	22 42	0 26	21 42	1 17	12 55	9 8	23 31	23 31	12 6	16 8	6 58					
M15	1 2	23 34	2 3	10 2	3 18	18 5	1 44	23 42	1 33	1 4	1 7	8 57	1 47	22 42	0 26	21 42	1 17	12 56	9 7	23 31	23 31	12 9	16 9	6 57					
T 16	1 26	21 45	3 2	10 4	3 20	18 29	1 48	23 47	1 33	1 9	1 7	8 55	1 47	22 42	0 26	21 42	1 17	12 56	9 7	23 31	23 31	12 11	16 9	6 56					
W17	1 50	18 41	3 53	10 3	3 21	18 52	1 52	23 52	1 33	1 15	1 7	8 52	1 47	22 42	0 26	21 42	1 17	12 56	9 7	23 31	23 31	12 14	16 10	6 56					
T 18	2 13	14 28	4 32	9 57	3 21	19 14	1 55	23 56	1 33	1 21	1 7	8 50	1 47	22 42	0 26	21 42	1 17	12 57	9 7	23 31	23 31	12 16	16 10	6 55					
F 19	2 37	9 19	4 56	9 48	3 18	19 37	1 59	24 1	1 33	1 27	1 7	8 47	1 47	22 42	0 26	21 42	1 17	12 57	9 7	23 31	23 31	12 19	16 11	6 54					
S 20	3 0	3 31	5 0	9 34	3 14	19 58	2 3	24 5	1 33	1 32	1 7	8 44	1 47	22 41	0 26	21 42	1 17	12 57	9 6	23 30	23 31	12 22	16 11	6 54					
S 21	3 23	2n36	4 44	9 18	3 9	20 19	2 6	24 9	1 33	1 38	1 7	8 42	1 47	22 41	0 26	21 42	1 17	12 58	9 6	23 30	23 31	12 24	16 12	6 53					
M22	3 47	8 35	4 8	8 58	3 2	20 40	2 10	24 13	1 32	1 44	1 7	8 39	1 47	22 41	0 26	21 43	1 17	12 58	9 6	23 30	23 31	12 27	16 12	6 52					
T 23	4 10	14 3	3 15	8 35	2 53	21 1	2 14	24 17	1 32	1 50	1 7	8 37	1 48	22 41	0 26	21 43	1 17	12 58	9 6	23 30	23 31	12 29	16 13	6 52					
W24	4 33	18 36	2 10	8 9	2 43	21 20	2 17	24 20	1 32	1 55	1 7	8 34	1 48	22 41	0 26	21 43	1 17	12 59	9 5	23 30	23 31	12 32	16 13	6 51					
T 25	4 56	21 55	0 58	7 42	2 31	21 40	2 21	24 24	1 32	2 1	1 7	8 32	1 48	22 41	0 26	21 43	1 17	12 59	9 5	23 30	23 31	12 34	16 14	6 50					
F 26	5 19	23 47	0n17	7 12	2 18	21 58	2 24	24 27	1 32	2 7	1 7	8 29	1 48	22 41	0 26	21 43	1 17	12 59	9 5	23 30	23 31	12 37	16 14	6 50					
S 27	5 42	24 10	1 28	6 42	2 5	22 17	2 27	24 30	1 32	2 12	1 7	8 27	1 48	22 41	0 26	21 43	1 17	13 0	9 5	23 30	23 31	12 40	16 15	6 49					
S 28	6 5	23 7	2 33	6 10	1 50	22 34	2 31	24 33	1 32	2 18	1 7	8 25	1 48	22 41	0 26	21 43	1 17	13 0	9 5	23 30	23 31	12 42	16 15	6 49					
M29	6 27	20 49	3 28	5 39	1 34	22 51	2 34	24 36	1 32	2 24	1 7	8 22	1 48	22 40	0 26	21 44	1 17	13 0	9 4	23 30	23 31	12 45	16 16	6 48					
T 30	6 50	17 31	4 12	5 8	1 18	23 8	2 37	24 39	1 32	2 30	1 7	8 20	1 48	22 40	0 26	21 44	1 17	13 1	9 4	23 30	23 31	12 47	16 16	6 47					
W31	7n12	13n29	4n42	4n37	1n 2	23n24	2n40	24n41	1n32	2n35	1s 7	8s17	1s49	22s40	0s26	21n44	1s17	13n 1	9s 4	23n30	23n30	12s50	16n17	6s47					

ASTRODIENST EPHEMERIS for the year 1406

geocentric

APRIL 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 9 41	19°17'39	19°17'2	8°R39	3°II52	20°II59	9°Y19	13°H19	18°Z29	18°II21	9°II46	27°R25	28°II26	14°M38	11°E22	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	27°II14	28°22	14°45	11°24	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 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
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
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
W 7	13 33 20	25° 8'32	1°X 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
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
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
S 10	13 45 10	28° 3'35	6°Z46	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 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
M12	13 53 3	0°B 0'09	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
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
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
T 15	14 4 53	2°54'48	11°H48	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
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
S 17	14 12 46	4°51'07	10°Y56	9°31	20°16	0°E28	13° 6	14°56	18°33	18°46	10° 3	25°59	27°35	16°25	12°13	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
M19	14 20 39	6°47'19	11°B15	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
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
W21	14 28 32	8°43'25	11°II29	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
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
F 23	14 36 25	10°39'23	10°E29	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
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 25	14 44 18	12°35'14	7°O49	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
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
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
W28	14 56 8	15°28'47	16° 7	20° 2	0°E31	7° 3	15°36	15°54	18°29	19° 6	10°17	25°34	27° 0	17°39	13° 1	W28
T 29	15 0 5	16°26'34	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
F 30	15 4 1	17°B24'20	10°A29	22°Y35	2°E16	8°E15	16°Y 3	16°H 4	18°Z28	19°II10	10°II19	25°II22	26°II53	17°M52	13°E10	F 30

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T 1	7n35	8n56	4n59	4n 8	0n45	23n40	2n43	24n44	1n31	2n41	1s 7	8s15	1s49	22s40	0s26	21n44	1s16	13n 1	9s 4	23n29	23n30	12s52	16n17	6s46
F 2	7 57	4 5	5 1	3 40	0 28	23 55	2 46	24 46	1 31	2 46	1 7	8 13	1 49	22 40	0 26	21 44	1 16	13 2	9 4	23 29	23 30	12 55	16 17	6 46
S 3	8 19	0s52	4 50	3 14	0 12	24 9	2 49	24 48	1 31	2 52	1 7	8 10	1 49	22 40	0 26	21 44	1 16	13 2	9 3	23 29	23 30	12 57	16 18	6 45
S 4	8 41	5 45	4 26	2 50	0s 4	24 23	2 52	24 50	1 31	2 58	1 7	8 8	1 49	22 40	0 26	21 45	1 16	13 2	9 3	23 29	23 30	13 0	16 18	6 44
M 5	9 3	10 23	3 50	2 28	0 20	24 36	2 55	24 52	1 31	3 3	1 7	8 6	1 49	22 40	0 26	21 45	1 16	13 2	9 3	23 28	23 30	13 3	16 19	6 44
T 6	9 24	14 37	3 5	2 8	0 36	24 49	2 57	24 53	1 31	3 9	1 7	8 3	1 50	22 40	0 26	21 45	1 16	13 3	9 3	23 28	23 30	13 5	16 19	6 43
W 7	9 46	18 18	2 11	1 51	0 50	25 1	3 0	24 55	1 31	3 14	1 7	8 1	1 50	22 40	0 26	21 45	1 16	13 3	9 3	23 28	23 30	13 8	16 19	6 42
T 8	10 7	21 14	1 12	1 37	1 5	25 12	3 2	24 56	1 31	3 20	1 7	7 59	1 50	22 40	0 26	21 45	1 16	13 3	9 2	23 28	23 30	13 10	16 20	6 42
F 9	10 28	23 16	0 9	1 25	1 18	25 23	3 5	24 57	1 30	3 26	1 7	7 57	1 50	22 40	0 26	21 45	1 16	13 4	9 2	23 28	23 30	13 13	16 20	6 41
S 10	10 49	24 16	0s56	1 16	1 31	25 34	3 7	24 58	1 30	3 31	1 7	7 55	1 50	22 40	0 27	21 46	1 16	13 4	9 2	23 28	23 30	13 15	16 20	6 41
S 11	11 10	24 7	1 59	1 9	1 43	25 43	3 9	24 59	1 30	3 37	1 7	7 52	1 50	22 40	0 27	21 46	1 16	13 4	9 2	23 28	23 30	13 18	16 20	6 40
M12	11 31	22 45	2 57	1 5	1 54	25 52	3 11	25 0	1 30	3 42	1 7	7 50	1 51	22 40	0 27	21 46	1 16	13 5	9 2	23 28	23 30	13 20	16 21	6 40
T 13	11 51	20 11	3 49	1 3	2 4	26 1	3 13	25 0	1 30	3 47	1 7	7 48	1 51	22 40	0 27	21 46	1 16	13 5	9 2	23 28	23 30	13 23	16 21	6 39
W14	12 11	16 27	4 30	1 5	2 14	26 9	3 15	25 0	1 30	3 53	1 7	7 46	1 51	22 40	0 27	21 46	1 16	13 5	9 1	23 28	23 30	13 25	16 21	6 38
T 15	12 31	11 44	4 57	1 8	2 23	26 16	3 17	25 0	1 30	3 58	1 7	7 44	1 51	22 40	0 27	21 46	1 16	13 6	9 1	23 28	23 30	13 28	16 22	6 38
F 16	12 51	6 13	5 7	1 14	2 31	26 23	3 19	25 0	1 29	4 4	1 7	7 42	1 51	22 40	0 27	21 47	1 16	13 6	9 1	23 28	23 30	13 30	16 22	6 37
S 17	13 11	0 12	4 56	1 22	2 38	26 29	3 20	25 0	1 29	4 9	1 7	7 40	1 51	22 40	0 27	21 47	1 16	13 6	9 1	23 27	23 30	13 33	16 22	6 37
S 18	13 30	5n57	4 26	1 32	2 44	26 35	3 22	25 0	1 29	4 15	1 7	7 38	1 52	22 40	0 27	21 47	1 16	13 7	9 1	23 27	23 30	13 36	16 22	6 36
M19	13 49	11 50	3 36	1 45	2 50	26 40	3 23	24 59	1 29	4 20	1 7	7 36	1 52	22 40	0 27	21 47	1 16	13 7	9 1	23 27	23 30	13 38	16 22	6 36
T 20	14 8	16 59	2 31	1 59	2 54	26 44	3 24	24 59	1 29	4 25	1 8	7 34	1 52	22 40	0 27	21 47	1 16	13 7	9 1	23 27	23 29	13 41	16 23	6 35
W21	14 27	20 59	1 16	2 15	2 58	26 48	3 25	24 58	1 29	4 31	1 8	7 32	1 52	22 40	0 27	21 48	1 16	13 8	9 0	23 27	23 29	13 43	16 23	6 35
T 22	14 46	23 31	0n 3	2 34	3 2	26 51	3 26	24 57	1 28	4 36	1 8	7 30	1 52	22 40	0 27	21 48	1 16	13 8	9 0	23 27	23 29	13 46	16 23	6 34
F 23	15 4	24 25	1 20	2 54	3 4	26 54	3 27	24 55	1 28	4 41	1 8	7 28	1 53	22 40	0 27	21 48	1 16	13 8	9 0	23 27	23 29	13 48	16 23	6 34
S 24	15 22	23 46	2 29	3 16	3 6	26 56	3 27	24 54	1 28	4 46	1 8	7 26	1 53	22 41	0 27	21 48	1 16	13 8	9 0	23 27	23 29	13 51	16 23	6 33
S 25	15 40	21 44	3 28	3 39	3 7	26 58	3 28	24 52	1 28	4 51	1 8	7 25	1 53	22 41	0 27	21 48	1 16	13 9	9 0	23 27	23 29	13 53	16 23	6 33
M26	15 57	18 36	4 15	4 4	3 8	26 59	3 28	24 51	1 28	4 57	1 8	7 23	1 53	22 41	0 27	21 49	1 15	13 9	9 0	23 27	23 29	13 56	16 23	6 32
T 27	16 15	14 40	4 48	4 31	3 8	26 59	3 28	24 49	1 27	5 2	1 8	7 21	1 53	22 41	0 27	21 49	1 15	13 9	9 0	23 27	23 29	13 58	16 23	6 32
W28	16 32	10 11	5 6	4 59	3 7	26 59	3 28	24 47	1 27	5 7	1 8	7 19	1 54	22 41	0 27	21 49	1 15	13 10	8 59	23 27	23 29	14 1	16 23	6 31
T 29	16 48	5 22	5 10	5 28	3 5	26 58	3 28	24 45	1 27	5 12	1 8	7 18	1 54	22 41	0 27	21 49	1 15	13 10	8 59	23 26	23 29	14 3	16 23	6 31
F 30	17n 5	0n25	4n59	5n59	3s 3	26n57	3n28	24n42	1n27	5n17	1s 8	7s16	1s54	22s41	0s27	21n49	1s15	13n10	8s59	23n26	23n29	14s 6	16n23	6s30

ASTRODIENST EPHEMERIS for the year 1406

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MAY 1406 JC

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S 1	15 7 58	18 ³² 04	22 ²² 28	23 ⁵ 54	3 ³⁵ 7	8 ⁵ 51	16 ¹⁷ 17	16 ¹⁸ 8	18 ¹⁸ 27	19 ¹¹ 12	10 ¹¹ 21	25 ⁰ R15	26 ¹¹ 50	17 ¹¹ 59	13 ¹⁵ 15	S 1
S 2	15 11 54	19 ⁰ 19'46	4 ¹¹ 22	25 ⁰ 17	3 ⁰ 57	9 ⁰ 27	16 ⁰ 30	16 ⁰ 13	18 ⁰ 26	19 ⁰ 14	10 ⁰ 22	25 ⁰ II 9	26 ⁰ 47	18 ⁰ 5	13 ⁰ 20	S 2
M 3	15 15 51	20 ⁰ 17'27	16 ⁰ 12	26 ⁰ 41	4 ⁰ 47	10 ⁰ 4	16 ⁰ 43	16 ⁰ 17	18 ⁰ 25	19 ⁰ 16	10 ⁰ 23	25 ⁰ 3	26 ⁰ 44	18 ⁰ 12	13 ⁰ 25	M 3
T 4	15 19 47	21 ⁰ 15'07	28 ⁰ 2	28 ⁰ 8	5 ⁰ 36	10 ⁰ 40	16 ⁰ 56	16 ⁰ 22	18 ⁰ 24	19 ⁰ 18	10 ⁰ 25	24 ⁰ 59	26 ⁰ 41	18 ⁰ 19	13 ⁰ 30	T 4
W 5	15 23 44	22 ⁰ 12'46	9 ⁰ 52	29 ⁰ 38	6 ⁰ 25	11 ⁰ 16	17 ⁰ 9	16 ⁰ 26	18 ⁰ 23	19 ⁰ 20	10 ⁰ 26	24 ⁰ 56	26 ⁰ 38	18 ⁰ 25	13 ⁰ 35	W 5
T 6	15 27 40	23 ⁰ 10'23	21 ⁰ 45	1 ⁰ 10	7 ⁰ 12	11 ⁰ 52	17 ⁰ 22	16 ⁰ 31	18 ⁰ 22	19 ⁰ 22	10 ⁰ 27	24 ⁰ D55	26 ⁰ 34	18 ⁰ 32	13 ⁰ 40	T 6
F 7	15 31 37	24 ⁰ 7'59	3 ⁰ 44	2 ⁰ 44	7 ⁰ 59	12 ⁰ 28	17 ⁰ 35	16 ⁰ 35	18 ⁰ 21	19 ⁰ 24	10 ⁰ 29	24 ⁰ 55	26 ⁰ 31	18 ⁰ 39	13 ⁰ 46	F 7
S 8	15 35 34	25 ⁰ 5'34	15 ⁰ 52	4 ⁰ 20	8 ⁰ 45	13 ⁰ 5	17 ⁰ 48	16 ⁰ 39	18 ⁰ 20	19 ⁰ 26	10 ⁰ 30	24 ⁰ 57	26 ⁰ 28	18 ⁰ 45	13 ⁰ 51	S 8
S 9	15 39 30	26 ⁰ 3'09	28 ⁰ 11	5 ⁰ 59	9 ⁰ 30	13 ⁰ 41	18 ⁰ 1	16 ⁰ 43	18 ⁰ 19	19 ⁰ 28	10 ⁰ 31	24 ⁰ 58	26 ⁰ 25	18 ⁰ 52	13 ⁰ 56	S 9
M10	15 43 27	27 ⁰ 0'42	10 ⁰ 47	7 ⁰ 40	10 ⁰ 14	14 ⁰ 17	18 ⁰ 14	16 ⁰ 47	18 ⁰ 18	19 ⁰ 30	10 ⁰ 33	25 ⁰ 0	26 ⁰ 22	18 ⁰ 59	14 ⁰ 2	M10
T 11	15 47 23	27 ⁰ 58'14	23 ⁰ 43	9 ⁰ 24	10 ⁰ 57	14 ⁰ 53	18 ⁰ 27	16 ⁰ 51	18 ⁰ 17	19 ⁰ 32	10 ⁰ 34	25 ⁰ R 1	26 ⁰ 19	19 ⁰ 5	14 ⁰ 7	T 11
W12	15 51 20	28 ⁰ 55'45	7 ⁰ 11	11 ⁰ 9	11 ⁰ 39	15 ⁰ 30	18 ⁰ 39	16 ⁰ 55	18 ⁰ 15	19 ⁰ 34	10 ⁰ 35	25 ⁰ 0	26 ⁰ 15	19 ⁰ 12	14 ⁰ 13	W12
T 13	15 55 16	29 ⁰ 53'16	20 ⁰ 47	12 ⁰ 57	12 ⁰ 20	16 ⁰ 6	18 ⁰ 52	16 ⁰ 59	18 ⁰ 14	19 ⁰ 36	10 ⁰ 37	24 ⁰ 59	26 ⁰ 12	19 ⁰ 19	14 ⁰ 18	T 13
F 14	15 59 13	0 ⁰ II50'45	4 ⁰ Y58	14 ⁰ 48	13 ⁰ 0	16 ⁰ 42	19 ⁰ 5	17 ⁰ 2	18 ⁰ 13	19 ⁰ 39	10 ⁰ 38	24 ⁰ 57	26 ⁰ 9	19 ⁰ 25	14 ⁰ 24	F 14
S 15	16 3 9	1 ⁰ 48'14	19 ⁰ 34	16 ⁰ 40	13 ⁰ 39	17 ⁰ 19	19 ⁰ 17	17 ⁰ 6	18 ⁰ 11	19 ⁰ 41	10 ⁰ 40	24 ⁰ 54	26 ⁰ 6	19 ⁰ 32	14 ⁰ 30	S 15
S 16	16 7 6	2 ⁰ 45'42	4 ⁰ 829	18 ⁰ 35	14 ⁰ 17	17 ⁰ 55	19 ⁰ 29	17 ⁰ 10	18 ⁰ 10	19 ⁰ 43	10 ⁰ 41	24 ⁰ 51	26 ⁰ 3	19 ⁰ 39	14 ⁰ 35	S 16
M17	16 11 3	3 ⁰ 43'10	19 ⁰ 36	20 ⁰ 32	14 ⁰ 53	18 ⁰ 32	19 ⁰ 42	17 ⁰ 13	18 ⁰ 9	19 ⁰ 45	10 ⁰ 42	24 ⁰ 49	25 ⁰ 59	19 ⁰ 45	14 ⁰ 41	M17
T 18	16 14 59	4 ⁰ 40'36	4 ⁰ II47	22 ⁰ 31	15 ⁰ 29	19 ⁰ 8	19 ⁰ 54	17 ⁰ 16	18 ⁰ 7	19 ⁰ 47	10 ⁰ 44	24 ⁰ 47	25 ⁰ 56	19 ⁰ 52	14 ⁰ 47	T 18
W19	16 18 56	5 ⁰ 38'02	19 ⁰ 52	24 ⁰ 32	16 ⁰ 3	19 ⁰ 44	20 ⁰ 6	17 ⁰ 20	18 ⁰ 6	19 ⁰ 49	10 ⁰ 45	24 ⁰ D46	25 ⁰ 53	19 ⁰ 59	14 ⁰ 53	W19
T 20	16 22 52	6 ⁰ 35'26	4 ⁰ 84	26 ⁰ 35	16 ⁰ 35	20 ⁰ 21	20 ⁰ 18	17 ⁰ 23	18 ⁰ 4	19 ⁰ 52	10 ⁰ 46	24 ⁰ 46	25 ⁰ 50	20 ⁰ 5	14 ⁰ 59	T 20
F 21	16 26 49	7 ⁰ 32'50	19 ⁰ 8	28 ⁰ 40	17 ⁰ 7	20 ⁰ 57	20 ⁰ 30	17 ⁰ 26	18 ⁰ 2	19 ⁰ 54	10 ⁰ 48	24 ⁰ 47	25 ⁰ 47	20 ⁰ 12	15 ⁰ 5	F 21
S 22	16 30 45	8 ⁰ 30'13	3 ⁰ 811	0 ⁰ II46	17 ⁰ 37	21 ⁰ 34	20 ⁰ 42	17 ⁰ 29	18 ⁰ 1	19 ⁰ 56	10 ⁰ 49	24 ⁰ 48	25 ⁰ 44	20 ⁰ 19	15 ⁰ 11	S 22
S 23	16 34 42	9 ⁰ 27'34	16 ⁰ 46	2 ⁰ 54	18 ⁰ 5	22 ⁰ 11	20 ⁰ 54	17 ⁰ 32	17 ⁰ 59	19 ⁰ 58	10 ⁰ 51	24 ⁰ 49	25 ⁰ 40	20 ⁰ 25	15 ⁰ 17	S 23
M24	16 38 39	10 ⁰ 24'54	29 ⁰ 57	5 ⁰ 4	18 ⁰ 32	22 ⁰ 47	21 ⁰ 6	17 ⁰ 35	17 ⁰ 57	20 ⁰ 0	10 ⁰ 52	24 ⁰ 50	25 ⁰ 37	20 ⁰ 32	15 ⁰ 23	M24
T 25	16 42 35	11 ⁰ 22'13	12 ⁰ II47	7 ⁰ 14	18 ⁰ 57	23 ⁰ 24	21 ⁰ 17	17 ⁰ 37	17 ⁰ 56	20 ⁰ 3	10 ⁰ 53	24 ⁰ R50	25 ⁰ 34	20 ⁰ 39	15 ⁰ 29	T 25
W26	16 46 32	12 ⁰ 19'32	25 ⁰ 12	9 ⁰ 25	19 ⁰ 20	24 ⁰ 0	21 ⁰ 29	17 ⁰ 40	17 ⁰ 54	20 ⁰ 5	10 ⁰ 55	24 ⁰ 50	25 ⁰ 31	20 ⁰ 45	15 ⁰ 35	W26
T 27	16 50 28	13 ⁰ 16'49	7 ⁰ 25	11 ⁰ 37	19 ⁰ 42	24 ⁰ 37	21 ⁰ 41	17 ⁰ 42	17 ⁰ 52	20 ⁰ 7	10 ⁰ 56	24 ⁰ 49	25 ⁰ 28	20 ⁰ 52	15 ⁰ 42	T 27
F 28	16 54 25	14 ⁰ 14'05	19 ⁰ 26	13 ⁰ 48	20 ⁰ 2	25 ⁰ 13	21 ⁰ 52	17 ⁰ 45	17 ⁰ 50	20 ⁰ 9	10 ⁰ 58	24 ⁰ 48	25 ⁰ 25	20 ⁰ 59	15 ⁰ 48	F 28
S 29	16 58 21	15 ⁰ 11'21	1 ⁰ II20	16 ⁰ 0	20 ⁰ 20	25 ⁰ 50	22 ⁰ 3	17 ⁰ 47	17 ⁰ 48	20 ⁰ 11	10 ⁰ 59	24 ⁰ 46	25 ⁰ 21	21 ⁰ 5	15 ⁰ 54	S 29
S 30	17 2 18	16 ⁰ 8'35	13 ⁰ 10	18 ⁰ 12	20 ⁰ 36	26 ⁰ 27	22 ⁰ 14	17 ⁰ 49	17 ⁰ 46	20 ⁰ 14	11 ⁰ 0	24 ⁰ 45	25 ⁰ 18	21 ⁰ 12	16 ⁰ 1	S 30
M31	17 6 14	17 ⁰ II 5'49	25 ⁰ II 0	20 ⁰ II23	20 ⁰ 850	27 ⁰ 8 3	22 ⁰ Y26	17 ⁰ Y52	17 ⁰ 844	20 ⁰ II16	11 ⁰ II 2	24 ⁰ II44	25 ⁰ II15	21 ⁰ II19	16 ⁰ 8 7	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17n21	4s30	4n36	6n31	3s 0	26n56	3n27	24n40	1n27	5n22	1s 8	7s14	1s54	22s41	0s27	21n49	1s15	13n11	8s59	23n26	23n29	14s 8	16n23	6s30	
S 2	17 37	9 14	4 1	7 4	2 57	26 54	3 26	24 37	1 27	5 27	1 8	7 13	1 54	22 42	0 27	21 50	1 15	13 11	8 59	23 26	23 29	14 11	16 23	6 29	
M 3	17 53	13 37	3 16	7 38	2 53	26 51	3 25	24 34	1 26	5 32	1 8	7 11	1 55	22 42	0 27	21 50	1 15	13 11	8 59	23 25	23 29	14 13	16 23	6 29	
T 4	18 8	17 29	2 22	8 14	2 48	26 48	3 24	24 31	1 26	5 37	1 9	7 10	1 55	22 42	0 27	21 50	1 15	13 11	8 59	23 25	23 28	14 16	16 23	6 28	
W 5	18 23	20 39	1 21	8 50	2 43	26 44	3 23	24 28	1 26	5 42	1 9	7 8	1 55	22 42	0 27	21 50	1 15	13 12	8 59	23 25	23 28	14 18	16 23	6 28	
T 6	18 38	22 58	0 17	9 27	2 38	26 40	3 21	24 24	1 26	5 47	1 9	7 7	1 55	22 42	0 27	21 50	1 15	13 12	8 59	23 25	23 28	14 21	16 23	6 27	
F 7	18 52	24 16	0s48	10 5	2 31	26 36	3 19	24 21	1 25	5 52	1 9	7 5	1 56	22 42	0 27	21 51	1 15	13 12	8 58	23 25	23 28	14 23	16 23	6 27	
S 8	19 6	24 26	1 52	10 44	2 25	26 31	3 17	24 17	1 25	5 57	1 9	7 4	1 56	22 42	0 27	21 51	1 15	13 13	8 58	23 25	23 28	14 26	16 23	6 27	
S 9	19 20	23 24	2 53	11 24	2 17	26 25	3 15	24 13	1 25	6 2	1 9	7 2	1 56	22 43	0 27	21 51	1 15	13 13	8 58	23 25	23 28	14 28	16 23	6 26	
M10	19 33	21 12	3 46	12 4	2 10	26 19	3 13	24 9	1 25	6 6	1 9	7 1	1 56	22 43	0 27	21 51	1 15	13 13	8 58	23 25	23 28	14 31	16 23	6 26	
T 11	19 46	17 53	4 29	12 45	2 2	26 13	3 10	24 5	1 25	6 11	1 9	7 0	1 56	22 43	0 27	21 51	1 15	13 13	8 58	23 25	23 28	14 33	16 23	6 25	
W12	19 59	13 35	4 59	13 26	1 53	26 7	3 7	24 1	1 24	6 16	1 9	6 58	1 57	22 43	0 27	21 52	1 15	13 14	8 58	23 25	23 28	14 36	16 23	6 25	
T 13	20 12	8 28	5 14	14 7	1 44	26 0	3 4	23 56	1 24	6 21	1 9	6 57	1 57	22 43	0 27	21 52	1 15	13 14	8 58	23 25	23 28	14 38	16 22	6 25	
F 14	20 24	2 45	5 10	14 49	1 35	25 52	3 1	23 51	1 24	6 25	1 10	6 56	1 57	22 44	0 27	21 52	1 15	13 14	8 58	23 25	23 28	14 40	16 22	6 24	
S 15	20 35	3n16	4 46	15 31	1 25	25 45	2 57	23 47	1 24	6 30	1 10	6 55	1 57	22 44	0 28	21 52	1 15	13 14	8 58	23 25	23 28	14 43	16 22	6 24	
S 16	20 47	9 15	4 3	16 13	1 15	25 37	2 53	23 42	1 23	6 34	1 10	6 54	1 58	22 44	0 28	21 52	1 15	13 15	8 58	23 25	23 27	14 45	16 22	6 23	
M17	20 58	14 46	3 2	16 54	1 5	25 29	2 49	23 36	1 23	6 39	1 10	6 52	1 58	22 44	0 28	21 52	1 15	13 15	8 58	23 25	23 27	14 48	16 21	6 23	
T 18	21 8	19 23	1 48	17 35	0 54	25 20	2 44	23 31	1 23	6 43	1 10	6 51	1 58	22 45	0 28	21 53	1 15	13 15	8 58	23 25	23 27	14 50	16 21	6 23	
W19	21 19	22 41	0 27	18 16	0 44	25 11	2 39	23 25	1 23	6 48	1 10	6 50	1 58	22 45	0 28	21 53	1 15	13 15	8 58	23 25	23 27	14 53	16 21	6 22	
T 20	21 29	24 20	0n55	18 55	0 33	25 2	2 34	23 20	1 23	6 52	1 10	6 49	1 59	22 45	0 28	21 53	1 15	13 16	8 57	23 25	23 27	14 55	16 21	6 22	
F 21	21 38	24 18	2 11	19 34	0 22	24 53	2 29	23 14	1 22	6 57	1 10	6 48	1 59	22 45	0 28	21 53	1 15	13 16	8 57	23 25	23 27	14 58	16 20	6 22	
S 22	21 48	22 42	3 17	20 12	0 11	24 43	2 23	23 8	1 22	7 1	1 11	6 47	1 59	22 45	0 28	21 53	1 15	13 16	8 57	23 25	23 27	15 0	16 20	6 21	
S 23	21 56	19 49	4 10	20 48	0 0	24 33	2 17	23 2	1 22	7 6	1 11	6 46	1 59	22 46	0 28	21 54	1 15	13 16	8 57	23 25	23 27	15 3	16 20	6 21	
M24	22 5	16 0	4 47	21 23	0n11	24 23	2 11	22 56	1 22	7 10	1 11	6 46	2 0	22 46	0 28	21 54	1 15	13 17	8 57	23 25	23 27	15 5	16 19	6 21	
T 25	22 13	11 34	5 10	21 56	0 21	24 13	2 4	22 49	1 21	7 14	1 11	6 45	2 0	22 46	0 28	21 54	1 15	13 17	8 57	23 25	23 27	15 7	16 19	6 20	
W26	22 21	6 45	5 17	22 27	0 31	24 3	1 57	22 42	1 21	7 18	1 11	6 44	2 0	22 46	0 28	21 54	1 15	13 17	8 57	23 25	23 26	15 10	16 19	6 20	
T 27	22 28	1 47	5 9	22 56	0 41	23 52	1 49	22 36	1 21	7 22	1 11	6 43	2 0	22 47	0 28	21 54	1 15	13 17	8 57	23 25	23 26	15 12	16 18	6 20	
F 28	22 35	3s11	4 48	23 22	0 51	23 52	1 42	22 29	1 21	7 27	1 11	6 42	2 1	22 47	0 28	21 54	1 15	13 18	8 57	23 25	23 26	15 15	16 18	6 19	
S 29	22 41	8 0	4 15	23 46	1 0	23 31	1 34	22 22	1 20	7 31	1 11	6 42	2 1	22 47	0 28	21 55	1 15	13 18	8 57	23 25	23 26	15 17	16 17	6 19	
S 30	22 48	12 30	3 31	24 7	1 8	23 20	1 25	22 15	1 20	7 35	1 12	6 41	2 1	22 48	0 28	21 55	1 15	13 18	8 57	23 25	23 26	15 20	16 17	6 19	
M31	22n53	16s32	2n38	24n26	1n16	23n 9	1n16	22n 7	1n20	7n39	1s12	6s41	2s 1	22s48	0s28	21n55	1s15	13n18	8s57	23n25	23n26	15s22	16n16	6s19	

ASTRODIENST EPHEMERIS for the year 1406

geocentric

JUNE 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 10 11	18 ^{II} 3'03	6 [♂] 51	22 ^{II} 33	21 [♂] 2	27 [♂] 40	22 [♀] 37	17 [♂] 54	17 [♀] R42	20 ^{II} 18	11 ^{II} 3	24 [♀] R43	25 ^{II} 12	21 ^{II} 25	16 [♂] 14	T 1
W 2	17 14 8	19° 0'16	18°46	24°42	21°12	28°17	22°48	17°56	17 [♂] 40	20°20	11° 5	24°D43	25° 9	21°32	16°20	W 2
T 3	17 18 4	19°57'28	0 [♂] 37	26°50	21°20	28°54	22°58	17°57	17°38	20°23	11° 6	24 ^{II} 43	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 [♀] 39	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 ^{II} 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 [♂] 46	15 [♂] 33	27° 8	18 [♂] 10	16 [♂] 37	21 ^{II} 22	11 ^{II} 41	24°R45	23 ^{II} 40	24 ^{II} 39	19 [♂] 32	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	22n59	19s55	1n38	24n41	1n23	22n58	1n 7	22n 0	1n20	7n43	1s12	6s40	2s 2	22s48	0s28	21n55	1s15	13n18	8s57	23n25	23n26	15s25	16n16	6s18
W 2	23 4	22 29	0 33	24 54	1 30	22 47	0 57	21 52	1 19	7 47	1 12	6 39	2 2	22 48	0 28	21 55	1 15	13 19	8 57	23 25	23 26	15 27	16 15	6 18
T 3	23 8	24 4	0s34	25 4	1 36	22 36	0 47	21 44	1 19	7 51	1 12	6 39	2 2	22 49	0 28	21 55	1 15	13 19	8 57	23 25	23 26	15 29	16 15	6 18
F 4	23 12	24 32	1 39	25 12	1 41	22 25	0 37	21 36	1 19	7 54	1 12	6 38	2 2	22 49	0 28	21 56	1 15	13 19	8 57	23 25	23 25	15 32	16 14	6 18
S 5	23 16	23 48	2 42	25 16	1 45	22 13	0 26	21 28	1 19	7 58	1 13	6 38	2 3	22 49	0 28	21 56	1 15	13 19	8 57	23 25	23 25	15 34	16 14	6 17
S 6	23 19	21 52	3 37	25 18	1 49	22 2	0 15	21 20	1 18	8 2	1 13	6 38	2 3	22 50	0 28	21 56	1 15	13 19	8 57	23 25	23 25	15 37	16 13	6 17
M 7	23 22	18 50	4 23	25 17	1 52	21 51	0 3	21 11	1 18	8 6	1 13	6 37	2 3	22 50	0 28	21 56	1 15	13 20	8 57	23 25	23 25	15 39	16 13	6 17
T 8	23 25	14 48	4 56	25 14	1 54	21 40	0s 8	21 3	1 18	8 9	1 13	6 37	2 4	22 50	0 28	21 56	1 15	13 20	8 57	23 25	23 25	15 42	16 12	6 17
W 9	23 27	9 59	5 15	25 8	1 56	21 29	0 21	20 54	1 17	8 13	1 13	6 37	2 4	22 50	0 28	21 56	1 15	13 20	8 57	23 25	23 25	15 44	16 11	6 17
T 10	23 28	4 34	5 16	25 0	1 57	21 18	0 33	20 45	1 17	8 16	1 13	6 37	2 4	22 51	0 28	21 57	1 15	13 20	8 57	23 25	23 25	15 46	16 11	6 16
F 11	23 30	1n12	4 59	24 50	1 57	21 7	0 46	20 36	1 17	8 20	1 14	6 36	2 4	22 51	0 28	21 57	1 15	13 20	8 57	23 25	23 25	15 49	16 10	6 16
S 12	23 30	7 4	4 23	24 37	1 56	20 56	0 59	20 27	1 17	8 23	1 14	6 36	2 5	22 51	0 28	21 57	1 15	13 20	8 57	23 25	23 24	15 51	16 9	6 16
S 13	23 31	12 39	3 29	24 23	1 55	20 45	1 13	20 18	1 16	8 27	1 14	6 36	2 5	22 52	0 28	21 57	1 15	13 21	8 57	23 25	23 24	15 54	16 9	6 16
M14	23 31	17 35	2 21	24 7	1 53	20 34	1 26	20 9	1 16	8 30	1 14	6 36	2 5	22 52	0 28	21 57	1 15	13 21	8 57	23 25	23 24	15 56	16 8	6 16
T 15	23 31	21 26	1 3	23 49	1 50	20 23	1 40	19 59	1 16	8 34	1 14	6 36	2 5	22 52	0 28	21 57	1 15	13 21	8 57	23 25	23 24	15 58	16 7	6 16
W16	23 30	23 49	0n19	23 30	1 47	20 12	1 54	19 50	1 15	8 37	1 14	6 36	2 6	22 53	0 28	21 58	1 15	13 21	8 57	23 25	23 24	16 1	16 7	6 16
T 17	23 29	24 32	1 39	23 10	1 43	20 2	2 8	19 40	1 15	8 40	1 15	6 36	2 6	22 53	0 28	21 58	1 15	13 21	8 57	23 25	23 24	16 3	16 6	6 15
F 18	23 27	23 33	2 51	22 48	1 39	19 51	2 22	19 30	1 15	8 43	1 15	6 36	2 6	22 53	0 28	21 58	1 15	13 21	8 57	23 25	23 24	16 5	16 5	6 15
S 19	23 25	21 6	3 51	22 25	1 34	19 41	2 37	19 20	1 15	8 46	1 15	6 36	2 6	22 53	0 28	21 58	1 15	13 21	8 57	23 25	23 23	16 8	16 4	6 15
S 20	23 22	17 31	4 36	22 0	1 29	19 31	2 51	19 10	1 14	8 49	1 15	6 37	2 7	22 54	0 28	21 58	1 15	13 22	8 57	23 25	23 23	16 10	16 3	6 15
M21	23 19	13 9	5 4	21 35	1 23	19 21	3 5	19 0	1 14	8 52	1 15	6 37	2 7	22 54	0 28	21 58	1 15	13 22	8 57	23 25	23 23	16 13	16 3	6 15
T 22	23 16	8 20	5 16	21 9	1 16	19 11	3 19	18 49	1 14	8 55	1 15	6 37	2 7	22 54	0 28	21 58	1 15	13 22	8 57	23 25	23 23	16 15	16 2	6 15
W23	23 13	3 18	5 13	20 42	1 9	19 2	3 33	18 39	1 13	8 58	1 16	6 37	2 8	22 55	0 28	21 59	1 15	13 22	8 57	23 24	23 23	16 17	16 1	6 15
T 24	23 8	1s45	4 55	20 15	1 2	18 52	3 46	18 28	1 13	9 1	1 16	6 38	2 8	22 55	0 28	21 59	1 15	13 22	8 57	23 24	23 23	16 20	16 0	6 15
F 25	23 4	6 40	4 25	19 47	0 54	18 43	3 59	18 17	1 13	9 4	1 16	6 38	2 8	22 55	0 28	21 59	1 15	13 22	8 57	23 25	23 23	16 22	15 59	6 15
S 26	22 59	11 17	3 43	19 18	0 45	18 34	4 12	18 6	1 12	9 7	1 16	6 38	2 8	22 56	0 28	21 59	1 15	13 22	8 57	23 25	23 22	16 25	15 58	6 15
S 27	22 54	15 27	2 53	18 49	0 36	18 25	4 25	17 55	1 12	9 9	1 16	6 39	2 9	22 56	0 28	21 59	1 15	13 22	8 57	23 25	23 22	16 27	15 57	6 15
M28	22 48	19 3	1 55	18 50	0 27	18 17	4 37	17 44	1 12	9 12	1 17	6 39	2 9	22 56	0 28	21 59	1 15	13 22	8 58	23 25	23 22	16 29	15 57	6 14
T 29	22 42	21 52	0 51	17 20	0 17	18 9	4 48	17 33	1 12	9 15	1 17	6 40	2 9	22 57	0 28	21 59	1 15	13 23	8 58	23 25	23 22	16 32	15 56	6 14
W30	22n35	23s44	0s15	17n21	0n 7	18n 1	4s59	17n21	1n11	9n17	1s17	6s40	2s 9	22s57	0s28	21n59	1s15	13n23	8s58	23n25	23n22	16s34	15n55	6s14

ASTRODIENST EPHEMERIS for the year 1406

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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°H36	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°36	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°N 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°M12	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°M 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°M36	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°M 2	29°Y43	16°H59	15°327	22°II18	12°II12	23°II38	22°II 1	28°M 5	23°36 9	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	22n29	24s31	1s21	16n51	0s 3	17n54	5s10	17n10	1n11	9n20	1s17	6s41	2s10	22s57	0s28	22n 0
F 2	22 21	24 5	2 25	16 22	0 14	17 47	5 19	16 58	1 11	9 22	1 17	6 42	2 10	22 58	0 28	22 0
S 3	22 14	22 26	3 22	15 53	0 25	17 41	5 28	16 47	1 10	9 25	1 18	6 42	2 10	22 58	0 28	22 0
S 4	22 6	19 36	4 11	15 23	0 36	17 35	5 37	16 35	1 10	9 27	1 18	6 43	2 10	22 58	0 28	22 0
M 5	21 57	15 45	4 47	14 55	0 48	17 29	5 44	16 23	1 10	9 29	1 18	6 44	2 11	22 58	0 28	22 0
T 6	21 48	11 5	5 8	14 27	1 0	17 24	5 51	16 11	1 9	9 31	1 18	6 45	2 11	22 59	0 28	22 0
W 7	21 39	5 48	5 13	13 59	1 12	17 20	5 58	15 59	1 9	9 33	1 19	6 45	2 11	22 59	0 28	22 0
T 8	21 30	0 9	5 0	13 32	1 24	17 16	6 3	15 46	1 9	9 35	1 19	6 46	2 11	22 59	0 28	22 0
F 9	21 20	5n35	4 30	13 6	1 37	17 12	6 8	15 34	1 8	9 37	1 19	6 47	2 12	23 0	0 28	22 1
S 10	21 9	11 8	3 42	12 40	1 50	17 9	6 12	15 22	1 8	9 39	1 19	6 48	2 12	23 0	0 28	22 1
S 11	20 59	16 9	2 41	12 16	2 2	17 6	6 16	15 9	1 8	9 41	1 19	6 49	2 12	23 0	0 28	22 1
M12	20 48	20 16	1 28	11 53	2 15	17 4	6 19	14 56	1 7	9 43	1 20	6 50	2 12	23 0	0 28	22 1
T 13	20 36	23 8	0 10	11 31	2 28	17 2	6 21	14 44	1 7	9 45	1 20	6 51	2 13	23 1	0 28	22 1
W14	20 25	24 28	1n 8	11 11	2 41	17 1	6 23	14 31	1 7	9 47	1 20	6 52	2 13	23 1	0 28	22 1
T 15	20 13	24 8	2 22	10 51	2 54	17 0	6 24	14 18	1 6	9 48	1 20	6 53	2 13	23 1	0 28	22 1
F 16	20 0	22 14	3 26	10 34	3 6	17 0	6 25	14 5	1 6	9 50	1 21	6 54	2 13	23 2	0 28	22 1
S 17	19 40	18 2	4 16	10 19	3 18	17 0	6 25	13 52	1 6	9 51	1 21	6 56	2 14	23 2	0 28	22 1
S 18	19 35	14 52	4 50	10 5	3 30	17 1	6 25	13 38	1 5	9 53	1 21	6 57	2 14	23 2	0 28	22 1
M19	19 21	10 5	5 7	9 53	3 42	17 2	6 24	13 25	1 5	9 54	1 21	6 58	2 14	23 2	0 28	22 2
T 20	19 8	5 0	5 9	9 44	3 53	17 3	6 23	13 12	1 5	9 56	1 21	6 59	2 14	23 3	0 28	22 2
W21	18 53	0s10	4 55	9 37	4 3	17 4	6 21	12 58	1 4	9 57	1 22	7 1	2 14	23 3	0 28	22 2
T 22	18 39	5 12	4 28	9 33	4 13	17 6	6 19	12 44	1 4	9 58	1 22	7 2	2 15	23 3	0 28	22 2
F 23	18 25	9 58	3 50	9 31	4 21	17 8	6 17	12 31	1 4	9 59	1 22	7 3	2 15	23 3	0 28	22 2
S 24	18 10	14 19	3 2	9 32	4 29	17 11	6 14	12 17	1 3	10 0	1 22	7 5	2 15	23 4	0 28	22 2
S 25	17 54	18 6	2 7	9 35	4 36	17 13	6 11	12 3	1 3	10 1	1 23	7 6	2 15	23 4	0 28	22 2
M26	17 39	21 10	1 6	9 41	4 41	17 16	6 7	11 49	1 3	10 2	1 23	7 7	2 16	23 4	0 28	22 2
T 27	17 23	23 20	0 2	9 50	4 44	17 19	6 4	11 35	1 2	10 3	1 23	7 9	2 16	23 4	0 28	22 2
W28	17 7	24 27	1s 4	10 2	4 46	17 22	6 0	11 21	1 2	10 4	1 23	7 10	2 16	23 5	0 28	22 2
T 29	16 51	24 23	2 7	10 16	4 46	17 25	5 56	11 7	1 1	10 4	1 24	7 12	2 16	23 5	0 28	22 2
F 30	16 34	23 4	3 5	10 33	4 45	17 28	5 52	10 53	1 1	10 5	1 24	7 13	2 16	23 5	0 28	22 2
S 31	16n17	20s31	3s55	10n51	4s41	17n32	5s47	10n38	1n 1	10n 6	1s24	7s15	2s16	23s 5	0s28	22n 2

Julian Day Number = 2234780.5, Delta T = 07m43s

Ecliptic obliquity = 23°30'59", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°27'40", Lahiri = 15°34'40" Julian Calendar 1 July 1406 == Greg. Calendar 10 July 1406

ASTRODIENST EPHEMERIS for the year 1406

geocentric

AUGUST 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 10 41	16°19'18	26°57	17°R40	7°55	5°40	29°45	16°R56	15°R25	22°II20	12°II12	23°R30	21°II58	28°M12	23°16	S 1
M 2	21 14 38	17°17'00	10°H26	16°N49	8°22	6°18	29°47	16°H52	15°Z23	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°N40	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°M29	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°M47'55	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°M59	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°Z29	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°M13	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°M22'48	3°Y49	3°M49	29°28	24°M57	29°Y17	14°H47	14°Z42	22°II51	12°II24	20°II40	20°II23	1°A32	26°24	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	16n 0	16s51	4s34	11n12	4s36	17n35	5s42	10n24	1n 0	10n 6	1s24	7s17	2s17	23s 6	0s28	22n 2
M 2	15 42	12 16	4 58	11 34	4 29	17 38	5 37	10 9	1 0	10 7	1 25	7 18	2 17	23 6	0 28	22 3
T 3	15 25	7 0	5 5	11 58	4 20	17 42	5 32	9 55	1 0	10 7	1 25	7 20	2 17	23 6	0 28	22 3
W 4	15 7	1 20	4 55	12 22	4 9	17 45	5 27	9 40	0 59	10 7	1 25	7 21	2 17	23 6	0 28	22 3
T 5	14 48	4n28	4 28	12 47	3 57	17 48	5 22	9 26	0 59	10 8	1 25	7 23	2 17	23 6	0 28	22 3
F 6	14 30	10 5	3 44	13 12	3 43	17 51	5 16	9 11	0 58	10 8	1 25	7 25	2 18	23 7	0 28	22 3
S 7	14 11	15 11	2 46	13 36	3 28	17 54	5 11	8 56	0 58	10 8	1 26	7 26	2 18	23 7	0 28	22 3
S 8	13 52	19 29	1 38	14 0	3 12	17 57	5 5	8 41	0 58	10 8	1 26	7 28	2 18	23 7	0 28	22 3
M 9	13 33	22 37	0 24	14 23	2 54	18 0	4 59	8 26	0 57	10 8	1 26	7 30	2 18	23 7	0 28	22 3
T 10	13 14	24 21	0n51	14 44	2 37	18 2	4 54	8 11	0 57	10 8	1 26	7 32	2 18	23 7	0 28	22 3
W11	12 54	24 30	2 3	15 4	2 19	18 4	4 48	7 56	0 57	10 8	1 27	7 33	2 18	23 8	0 28	22 3
T 12	12 35	23 7	3 7	15 22	2 0	18 6	4 42	7 41	0 56	10 8	1 27	7 35	2 18	23 8	0 28	22 3
F 13	12 15	20 20	3 59	15 37	1 42	18 8	4 36	7 26	0 56	10 7	1 27	7 37	2 19	23 8	0 28	22 3
S 14	11 54	16 28	4 36	15 50	1 24	18 10	4 29	7 11	0 55	10 7	1 27	7 39	2 19	23 8	0 28	22 3
S 15	11 34	11 51	4 57	16 1	1 6	18 11	4 23	6 55	0 55	10 6	1 28	7 40	2 19	23 8	0 28	22 3
M16	11 14	6 47	5 2	16 8	0 38	18 12	4 17	6 40	0 55	10 6	1 28	7 42	2 19	23 8	0 28	22 3
T 17	10 53	1 33	4 52	16 13	0 31	18 12	4 11	6 25	0 54	10 5	1 28	7 44	2 19	23 9	0 28	22 3
W18	10 32	3s38	4 28	16 14	0 15	18 13	4 4	6 9	0 54	10 5	1 28	7 46	2 19	23 9	0 28	22 3
T 19	10 11	8 35	3 52	16 12	0n 0	18 13	3 58	5 54	0 53	10 4	1 28	7 48	2 19	23 9	0 28	22 3
F 20	9 50	13 8	3 6	16 7	0 15	18 12	3 52	5 38	0 53	10 3	1 29	7 50	2 19	23 9	0 28	22 3
S 21	9 28	17 8	2 12	15 58	0 28	18 11	3 45	5 23	0 53	10 2	1 29	7 52	2 20	23 9	0 28	22 3
S 22	9 7	20 27	1 14	15 47	0 41	18 10	3 39	5 7	0 52	10 1	1 29	7 53	2 20	23 9	0 28	22 3
M23	8 45	22 55	0 11	15 31	0 52	18 9	3 33	4 52	0 52	10 0	1 29	7 55	2 20	23 9	0 28	22 3
T 24	8 23	24 23	0s52	15 13	1 3	18 7	3 26	4 36	0 51	9 59	1 29	7 57	2 20	23 9	0 28	22 3
W25	8 1	24 42	1 54	14 52	1 12	18 5	3 20	4 20	0 51	9 58	1 30	7 59	2 20	23 10	0 28	22 3
T 26	7 39	23 48	2 52	14 27	1 20	18 2	3 14	4 4	0 50	9 57	1 30	8 1	2 20	23 10	0 28	22 3
F 27	7 17	21 39	3 43	14 0	1 27	17 59	3 7	3 49	0 50	9 56	1 30	8 3	2 20	23 10	0 28	22 3
S 28	6 55	18 18	4 23	13 30	1 33	17 55	3 1	3 33	0 50	9 55	1 30	8 5	2 20	23 10	0 28	22 3
S 29	6 32	13 55	4 50	12 58	1 39	17 51	2 54	3 17	0 49	9 53	1 30	8 6	2 20	23 10	0 28	22 3
M30	6 9	8 42	5 0	12 23	1 43	17 47	2 48	3 1	0 49	9 52	1 31	8 8	2 20	23 10	0 28	22 3
T 31	5n47	2s57	4s53	11n47	1n46	17n42	2s42	2n45	0n48	9n50	1s31	8s10	2s20	23s10	0s28	22n 3

Julian Day Number = 2234811.5, Delta T = 07m42s

Ecliptic obliquity = 23°31'00, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°27'44, Lahiri = 15°34'44 Julian Calendar 1 Aug. 1406 == Greg. Calendar 10 Aug. 1406

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 ¹¹ 13	14 ¹¹ R42	14 ¹¹ R42	22 ¹¹ 52	12 ¹¹ 24	20 ¹¹ R30	20 ¹¹ 20	1 ¹¹ 38	26 ¹¹ 29	W 1
T 2	23 16 51	17 ¹¹ 19'57"	2 ¹¹ 31	7 ¹¹ 29	1 ¹¹ 20	26 ¹¹ 15	29 ¹¹ 9	14 ¹¹ 37	14 ¹¹ 37	22 ¹¹ 52	12 ¹¹ 24	20 ¹¹ 22	20 ¹¹ 16	1 ¹¹ 45	26 ¹¹ 35	T 2
F 3	23 20 47	18 ¹¹ 18'35"	16 ¹¹ 53	9 ¹¹ 21	2 ¹¹ 16	26 ¹¹ 54	29 ¹¹ 4	14 ¹¹ 33	14 ¹¹ 40	22 ¹¹ 53	12 ¹¹ 24	20 ¹¹ 17	20 ¹¹ 13	1 ¹¹ 52	26 ¹¹ 40	F 3
S 4	23 24 44	19 ¹¹ 17'15"	1 ¹¹ 10	11 ¹¹ 12	3 ¹¹ 14	27 ¹¹ 34	29 ¹¹ 0	14 ¹¹ 28	14 ¹¹ 40	22 ¹¹ 53	12 ¹¹ R24	20 ¹¹ 15	20 ¹¹ 10	1 ¹¹ 58	26 ¹¹ 45	S 4
S 5	23 28 40	20 ¹¹ 15'58"	15 ¹¹ 20	13 ¹¹ 4	4 ¹¹ 11	28 ¹¹ 13	28 ¹¹ 55	14 ¹¹ 24	14 ¹¹ 39	22 ¹¹ 54	12 ¹¹ 24	20 ¹¹ 14	20 ¹¹ 7	2 ¹¹ 5	26 ¹¹ 51	S 5
M 6	23 32 37	21 ¹¹ 14'43"	29 ¹¹ 22	14 ¹¹ 55	5 ¹¹ 9	28 ¹¹ 52	28 ¹¹ 50	14 ¹¹ 19	14 ¹¹ 39	22 ¹¹ 54	12 ¹¹ 24	20 ¹¹ 14	20 ¹¹ 4	2 ¹¹ 12	26 ¹¹ 56	M 6
T 7	23 36 33	22 ¹¹ 13'30"	13 ¹¹ 51	16 ¹¹ 46	6 ¹¹ 8	29 ¹¹ 31	28 ¹¹ 45	14 ¹¹ 14	14 ¹¹ 38	22 ¹¹ 54	12 ¹¹ 24	20 ¹¹ 13	20 ¹¹ 0	2 ¹¹ 18	27 ¹¹ 1	T 7
W 8	23 40 30	23 ¹¹ 12'19"	26 ¹¹ 59	18 ¹¹ 37	7 ¹¹ 7	0 ¹¹ 11	28 ¹¹ 40	14 ¹¹ 10	14 ¹¹ 38	22 ¹¹ 55	12 ¹¹ 24	20 ¹¹ 10	19 ¹¹ 57	2 ¹¹ 25	27 ¹¹ 6	W 8
T 9	23 44 27	24 ¹¹ 11'11"	10 ¹¹ 34	20 ¹¹ 27	8 ¹¹ 7	0 ¹¹ 50	28 ¹¹ 35	14 ¹¹ 5	14 ¹¹ 37	22 ¹¹ 55	12 ¹¹ 24	20 ¹¹ 5	19 ¹¹ 54	2 ¹¹ 31	27 ¹¹ 11	T 9
F 10	23 48 23	25 ¹¹ 10'05"	23 ¹¹ 59	22 ¹¹ 16	9 ¹¹ 6	1 ¹¹ 30	28 ¹¹ 29	14 ¹¹ 1	14 ¹¹ 37	22 ¹¹ 55	12 ¹¹ 24	19 ¹¹ 56	19 ¹¹ 51	2 ¹¹ 38	27 ¹¹ 16	F 10
S 11	23 52 20	26 ¹¹ 9'01"	7 ¹¹ 13	24 ¹¹ 5	10 ¹¹ 7	2 ¹¹ 9	28 ¹¹ 23	13 ¹¹ 56	14 ¹¹ 37	22 ¹¹ 56	12 ¹¹ 24	19 ¹¹ 45	19 ¹¹ 48	2 ¹¹ 45	27 ¹¹ 21	S 11
S 12	23 56 16	27 ¹¹ 7'59"	20 ¹¹ 15	25 ¹¹ 53	11 ¹¹ 7	2 ¹¹ 48	28 ¹¹ 18	13 ¹¹ 52	14 ¹¹ 37	22 ¹¹ 56	12 ¹¹ 24	19 ¹¹ 32	19 ¹¹ 45	2 ¹¹ 51	27 ¹¹ 26	S 12
M13	0 0 13	28 ¹¹ 7'00"	3 ¹¹ 3	27 ¹¹ 41	12 ¹¹ 9	3 ¹¹ 28	28 ¹¹ 12	13 ¹¹ 47	14 ¹¹ 36	22 ¹¹ 56	12 ¹¹ 24	19 ¹¹ 19	19 ¹¹ 41	2 ¹¹ 58	27 ¹¹ 31	M13
T 14	0 4 9	29 ¹¹ 6'02"	15 ¹¹ 36	29 ¹¹ 27	13 ¹¹ 10	4 ¹¹ 7	28 ¹¹ 6	13 ¹¹ 43	14 ¹¹ 36	22 ¹¹ 56	12 ¹¹ 23	19 ¹¹ 6	19 ¹¹ 38	3 ¹¹ 5	27 ¹¹ 35	T 14
W15	0 8 6	0 ¹¹ 5'06"	27 ¹¹ 56	1 ¹¹ 13	14 ¹¹ 12	4 ¹¹ 47	27 ¹¹ 59	13 ¹¹ 39	14 ¹¹ 36	22 ¹¹ 56	12 ¹¹ 23	18 ¹¹ 55	19 ¹¹ 35	3 ¹¹ 11	27 ¹¹ 40	W15
T 16	0 12 2	1 ¹¹ 4'13"	10 ¹¹ 11	2 ¹¹ 58	15 ¹¹ 14	5 ¹¹ 27	27 ¹¹ 53	13 ¹¹ 34	14 ¹¹ D36	22 ¹¹ 56	12 ¹¹ 23	18 ¹¹ 47	19 ¹¹ 32	3 ¹¹ 18	27 ¹¹ 44	T 16
F 17	0 15 59	2 ¹¹ 3'21"	21 ¹¹ 59	4 ¹¹ 42	16 ¹¹ 17	6 ¹¹ 6	27 ¹¹ 46	13 ¹¹ 30	14 ¹¹ 36	22 ¹¹ 56	12 ¹¹ 23	18 ¹¹ 41	19 ¹¹ 29	3 ¹¹ 25	27 ¹¹ 49	F 17
S 18	0 19 56	3 ¹¹ 2'31"	3 ¹¹ 48	6 ¹¹ 25	17 ¹¹ 19	6 ¹¹ 46	27 ¹¹ 40	13 ¹¹ 26	14 ¹¹ 36	22 ¹¹ R56	12 ¹¹ 22	18 ¹¹ 38	19 ¹¹ 26	3 ¹¹ 31	27 ¹¹ 53	S 18
S 19	0 23 52	4 ¹¹ 1'43"	15 ¹¹ 35	8 ¹¹ 8	18 ¹¹ 23	7 ¹¹ 26	27 ¹¹ 33	13 ¹¹ 22	14 ¹¹ 36	22 ¹¹ 56	12 ¹¹ 22	18 ¹¹ D37	19 ¹¹ 22	3 ¹¹ 38	27 ¹¹ 58	S 19
M20	0 27 49	5 ¹¹ 0'57"	27 ¹¹ 24	9 ¹¹ 49	19 ¹¹ 26	8 ¹¹ 6	27 ¹¹ 26	13 ¹¹ 17	14 ¹¹ 37	22 ¹¹ 56	12 ¹¹ 22	18 ¹¹ 38	19 ¹¹ 19	3 ¹¹ 45	28 ¹¹ 2	M20
T 21	0 31 45	6 ¹¹ 0'13"	9 ¹¹ 21	11 ¹¹ 30	20 ¹¹ 30	8 ¹¹ 45	27 ¹¹ 19	13 ¹¹ 13	14 ¹¹ 37	22 ¹¹ 56	12 ¹¹ 21	18 ¹¹ R38	19 ¹¹ 16	3 ¹¹ 51	28 ¹¹ 6	T 21
W22	0 35 42	6 ¹¹ 59'30"	21 ¹¹ 32	13 ¹¹ 10	21 ¹¹ 34	9 ¹¹ 25	27 ¹¹ 12	13 ¹¹ 9	14 ¹¹ 37	22 ¹¹ 56	12 ¹¹ 21	18 ¹¹ 37	19 ¹¹ 13	3 ¹¹ 58	28 ¹¹ 10	W22
T 23	0 39 38	7 ¹¹ 58'50"	4 ¹¹ 1	14 ¹¹ 49	22 ¹¹ 38	10 ¹¹ 5	27 ¹¹ 5	13 ¹¹ 5	14 ¹¹ 38	22 ¹¹ 56	12 ¹¹ 21	18 ¹¹ 34	19 ¹¹ 10	4 ¹¹ 5	28 ¹¹ 14	T 23
F 24	0 43 35	8 ¹¹ 58'11"	16 ¹¹ 54	16 ¹¹ 28	23 ¹¹ 43	10 ¹¹ 45	26 ¹¹ 57	13 ¹¹ 1	14 ¹¹ 38	22 ¹¹ 56	12 ¹¹ 20	18 ¹¹ 28	19 ¹¹ 6	4 ¹¹ 11	28 ¹¹ 18	F 24
S 25	0 47 31	9 ¹¹ 57'34"	0 ¹¹ 12	18 ¹¹ 5	24 ¹¹ 48	11 ¹¹ 25	26 ¹¹ 50	12 ¹¹ 58	14 ¹¹ 38	22 ¹¹ 55	12 ¹¹ 20	18 ¹¹ 21	19 ¹¹ 3	4 ¹¹ 18	28 ¹¹ 22	S 25
S 26	0 51 28	10 ¹¹ 56'58"	13 ¹¹ 57	19 ¹¹ 42	25 ¹¹ 53	12 ¹¹ 5	26 ¹¹ 42	12 ¹¹ 54	14 ¹¹ 39	22 ¹¹ 55	12 ¹¹ 19	18 ¹¹ 11	19 ¹¹ 0	4 ¹¹ 25	28 ¹¹ 26	S 26
M27	0 55 24	11 ¹¹ 56'25"	28 ¹¹ 7	21 ¹¹ 19	26 ¹¹ 59	12 ¹¹ 45	26 ¹¹ 35	12 ¹¹ 50	14 ¹¹ 39	22 ¹¹ 55	12 ¹¹ 19	18 ¹¹ 0	18 ¹¹ 57	4 ¹¹ 31	28 ¹¹ 29	M27
T 28	0 59 21	12 ¹¹ 55'53"	12 ¹¹ 37	22 ¹¹ 54	28 ¹¹ 5	13 ¹¹ 25	26 ¹¹ 27	12 ¹¹ 46	14 ¹¹ 40	22 ¹¹ 55	12 ¹¹ 18	17 ¹¹ 50	18 ¹¹ 54	4 ¹¹ 38	28 ¹¹ 33	T 28
W29	1 3 18	13 ¹¹ 55'24"	27 ¹¹ 21	24 ¹¹ 29	29 ¹¹ 11	14 ¹¹ 5	26 ¹¹ 19	12 ¹¹ 43	14 ¹¹ 41	22 ¹¹ 54	12 ¹¹ 18	17 ¹¹ 41	18 ¹¹ 51	4 ¹¹ 44	28 ¹¹ 36	W29
T 30	1 7 14	14 ¹¹ 54'57"	12 ¹¹ 10	26 ¹¹ 4	0 ¹¹ 17	14 ¹¹ 45	26 ¹¹ 11	12 ¹¹ 39	14 ¹¹ 31	22 ¹¹ 54	12 ¹¹ 17	17 ¹¹ 34	18 ¹¹ 47	4 ¹¹ 51	28 ¹¹ 40	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	5n24	3n 1	4s27	11n 9	1n48	17n36	2s35	2n29	0n48	9n49	1s31	8s12	2s20	23s10	0s28	22n 3	1s16	13n20	9s 6	23n11	23n10	18s56	14n33	6s29	
T 2	5 1	8 53	3 44	10 29	1 49	17 30	2 29	2 13	0 48	9 47	1 31	8 14	2 20	23 10	0 28	22 3	1 16	13 20	9 6	23 10	23 10	18 58	14 32	6 29	
F 3	4 38	14 16	2 46	9 47	1 50	17 24	2 23	1 57	0 47	9 45	1 31	8 16	2 20	23 10	0 28	22 3	1 16	13 20	9 6	23 10	23 9	19 1	14 30	6 30	
S 4	4 15	18 51	1 39	9 5	1 50	17 17	2 17	1 41	0 47	9 44	1 32	8 17	2 20	23 10	0 28	22 3	1 16	13 20	9 6	23 9	23 9	19 3	14 29	6 30	
S 5	3 52	22 17	0 26	8 21	1 49	17 10	2 10	1 25	0 46	9 42	1 32	8 19	2 20	23 10	0 28	22 3	1 16	13 20	9 6	23 9	23 9	19 5	14 27	6 31	
M 6	3 29	24 19	0n48	7 37	1 48	17 2	2 4	1 9	0 46	9 40	1 32	8 21	2 20	23 10	0 28	22 3	1 16	13 19	9 6	23 9	23 9	19 7	14 26	6 31	
T 7	3 6	24 49	1 58	6 52	1 46	16 54	1 58	0 53	0 45	9 38	1 32	8 23	2 20	23 10	0 28	22 3	1 16	13 19	9 7	23 9	23 8	19 9	14 25	6 32	
W 8	2 42	23 47	3 1	6 6	1 43	16 45	1 52	0 37	0 45	9 36	1 32	8 25	2 20	23 10	0 28	22 3	1 16	13 19	9 7	23 9	23 8	19 11	14 23	6 33	
T 9	2 19	21 22	3 53	5 20	1 40	16 36	1 46	0 21	0 44	9 34	1 32	8 26	2 20	23 10	0 28	22 3	1 17	13 19	9 7	23 9	23 8	19 13	14 22	6 33	
F 10	1 56	17 49	4 31	4 33	1 37	16 26	1 40	0 5	0 44	9 32	1 33	8 28	2 20	23 10	0 28	22 3	1 17	13 19	9 7	23 8	23 8	19 15	14 20	6 34	
S 11	1 32	13 25	4 53	3 46	1 33	16 16	1 34	0s11	0 44	9 30	1 33	8 30	2 20	23 10	0 28	22 3	1 17	13 19	9 7	23 7	23 7	19 18	14 19	6 34	
S 12	1 9	8 28	5 0	3 0	1 29	16 5	1 28	0 28	0 43	9 27	1 33	8 32	2 20	23 11	0 28	22 3	1 17	13 18	9 7	23 6	23 7	19 20	14 17	6 35	
M13	0 45	3 15	4 52	2 12	1 24	15 54	1 22	0 44	0 43	9 25	1 33	8 33	2 20	23 11	0 28	22 3	1 17	13 18	9 7	23 5	23 7	19 22	14 16	6 35	
T 14	0 22	2s 1	4 29	1 25	1 19	15 42	1 16	1 0	0 42	9 23	1 33	8 35	2 20	23 11	0 28	22 3	1 17	13 18	9 8	23 4	23 7	19 24	14 14	6 36	
W15	0s 2	7 7	3 54	0 38	1 14	15 30	1 11	1 16	0 42	9 21	1 33	8 37	2 20	23 10	0 28	22 3	1 17	13 18	9 8	23 3	23 6	19 26	14 13	6 36	
T 16	0 26	11 53	3 9	0s 8	1 8	15 17	1 5	1 32	0 41	9 18	1 33	8 38	2 20	23 10	0 28	22 3	1 17	13 18	9 8	23 2	23 6	19 28	14 11	6 37	
F 17	0 49	16 7	2 16	0 55	1 3	15 4	0 59	1 48	0 41	9 16	1 33	8 40	2 20	23 10	0 28	22 3	1 17	13 18	9 8	23 2	23 6	19 30	14 10	6 38	
S 18	1 13	19 42	1 18	1 41	0 57	14 50	0 54	2 5	0 40	9 13	1 33	8 41	2 20	23 10	0 28	22 3	1 17	13 17	9 8	23 2	23 6	19 32	14 9	6 38	
S 19	1 36	22 28	0 16	2 28	0 51	14 36	0 48	2 21	0 40	9 11	1 34	8 43	2 20	23 10	0 28	22 3	1 17	13 17	9 8	23 2	23 5	19 34	14 7	6 39	
M20	2 0	24 16	0s47	3 13	0 44	14 22	0 43	2 37	0 39	8 8	1 34	8 45	2 20	23 10	0 28	22 3	1 17	13 17	9 8	23 2	23 5	19 36	14 6	6 39	
T 21	2 24	24 59	1 48	3 59	0 38	14 7	0 38	2 53	0 39	9 6	1 34	8 46	2 20	23 10	0 28	22 3	1 17	13 17	9 9	23 2	23 5	19 39	14 4	6 40	
W22	2 47	24 31	2 46	4 44	0 31	13 51	0 32	3 9	0 39	9 3	1 34	8 48	2 20	23 10	0 28	22 3	1 17	13 17	9 9	23 2	23 5	19 41	14 3	6 41	
T 23	3 11	22 49	3 37	5 29	0 25	13 35	0 27	3 25	0 38	9 0	1 34	8 49	2 20	23 10	0 28	22 3	1 17	13 16	9 9	23 1	23 4	19 43	14 2	6 41	
F 24	3 34	19 56	4 19	6 13	0 18	13 19	0 22	3 42	0 38	8 58	1 34	8 51	2 20	23 10	0 28	22 3	1 17	13 16	9 9	23 1	23 4	19 45	14 0	6 42	
S 25	3 57	15 56	4 48	6 57	0 11	13 2	0 17	3 58	0 37	8 55	1 34	8 52	2 20	23 10	0 28	22 3	1 17	13 16	9 9	23 0	23 4	19 47	13 59	6 42	
S 26	4 21	10 59	5 2	7 40	0 5	12 45	0 12	4 14	0 37	8 52	1 34	8 53	2 20	23 10	0 28	22 3	1 17	13 16	9 9	22 59	23 4	19 49	13 58	6 43	
M27	4 44	5 19	4 58	8 22	0s 2	12 27	0 7	4 30	0 36	8 49	1 34	8 55	2 20	23 10	0 28	22 3	1 17	13 16	9 9	22 58	23 3	19 51	13 56	6 44	
T 28	5 7	0n46	4 36	9 5	0 9	12 9	0 2	4 46	0 36	8 47	1 34	8 56	2 20	23 10	0 28	22 3	1 17	13 15	9 10	22 57	23 3	19 53	13 55	6 44	
W29	5 31	6 55	3 54	9 46	0 16	11 50	0n 3	5 2	0 35	8 44	1 34	8 57	2 20	23 10	0 28	22 2	1 17	13 15	9 10	22 57	23 3	19 55	13 54	6 45	
T 30	5s54	12n44	2s57	10s27	0s23	11n31	0n 7	5s18	0n35	8n41	1s34	8s59	2s19	23s10	0s28	22n 2	1s17	13n15	9s10	22n56	23n 3	19s57	13n52	6s46	

ASTRODIENST EPHEMERIS for the year 1406

geocentric

OCTOBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 11 11	15°54'32	26°56	27°37	1°23	15°25	26°R 4	12°R36	14°342	22°R53	12°R17	17°R30	18°R44	4°58	28°43	F 1
S 2	1 15 7	16°54'09	11°33	29°10	2°30	16° 6	25°V56	12°K32	14°43	22°II53	12°II16	17°D29	18°41	5° 4	28°46	S 2
S 3	1 19 4	17°53'49	25°57	0°43	3°37	16°46	25°48	12°29	14°44	22°52	12°15	17°II29	18°38	5°11	28°50	S 3
M 4	1 23 0	18°53'31	10°5	2°15	4°44	17°26	25°40	12°26	14°45	22°52	12°15	17°29	18°35	5°18	28°53	M 4
T 5	1 26 57	19°53'16	23°55	3°46	5°52	18° 7	25°32	12°22	14°46	22°51	12°14	17°R29	18°32	5°24	28°56	T 5
W 6	1 30 53	20°53'02	7°230	5°17	6°59	18°47	25°23	12°19	14°47	22°51	12°14	17°R28	18°28	5°31	28°59	W 6
T 7	1 34 50	21°52'51	20°50	6°47	8° 7	19°27	25°15	12°16	14°48	22°50	12°13	17°25	18°25	5°38	29° 1	T 7
F 8	1 38 47	22°52'43	3°56	8°16	9°15	20° 8	25° 7	12°13	14°49	22°50	12°12	17°19	18°22	5°44	29° 4	F 8
S 9	1 42 43	23°52'36	16°49	9°45	10°24	20°48	24°59	12°10	14°50	22°49	12°11	17°10	18°19	5°51	29° 7	S 9
S 10	1 46 40	24°52'31	29°30	11°13	11°32	21°29	24°51	12° 8	14°51	22°48	12°11	17° 1	18°16	5°58	29° 9	S 10
M 11	1 50 36	25°52'29	11°59	12°41	12°41	22° 9	24°43	12° 5	14°52	22°47	12°10	16°51	18°12	6° 4	29°12	M 11
T 12	1 54 33	26°52'28	24°18	14° 8	13°49	22°50	24°35	12° 2	14°54	22°47	12° 9	16°41	18° 9	6°11	29°14	T 12
W 13	1 58 29	27°52'30	6°26	15°35	14°58	23°31	24°26	12° 0	14°55	22°46	12° 8	16°33	18° 6	6°18	29°16	W 13
T 14	2 2 26	28°52'33	18°25	17° 0	16° 8	24°11	24°18	11°57	14°56	22°45	12° 8	16°27	18° 3	6°24	29°18	T 14
F 15	2 6 22	29°52'38	0°17	18°25	17°17	24°52	24°10	11°55	14°58	22°44	12° 7	16°24	18° 0	6°31	29°20	F 15
S 16	2 10 19	0°52'45	12° 4	19°50	18°26	25°33	24° 2	11°53	14°59	22°43	12° 6	16°D22	17°57	6°37	29°22	S 16
S 17	2 14 16	1°52'54	23°49	21°13	19°36	26°14	23°54	11°51	15° 1	22°42	12° 5	16°22	17°53	6°44	29°24	S 17
M 18	2 18 12	2°53'04	5°38	22°36	20°46	26°55	23°46	11°49	15° 3	22°41	12° 4	16°23	17°50	6°51	29°26	M 18
T 19	2 22 9	3°53'16	17°34	23°58	21°56	27°36	23°38	11°47	15° 4	22°40	12° 3	16°25	17°47	6°57	29°27	T 19
W 20	2 26 5	4°53'30	29°42	25°19	23° 6	28°17	23°31	11°45	15° 6	22°39	12° 3	16°R26	17°44	7° 4	29°29	W 20
T 21	2 30 2	5°53'45	12°7	26°38	24°16	28°58	23°23	11°43	15° 8	22°38	12° 2	16°26	17°41	7°11	29°30	T 21
F 22	2 33 58	6°54'02	24°56	27°57	25°27	29°39	23°15	11°41	15° 9	22°37	12° 1	16°24	17°37	7°17	29°32	F 22
S 23	2 37 55	7°54'19	8°10	29°14	26°37	0°20	23° 7	11°40	15°11	22°36	12° 0	16°21	17°34	7°24	29°33	S 23
S 24	2 41 51	8°54'39	21°53	0°29	27°48	1° 1	23° 0	11°38	15°13	22°35	11°59	16°16	17°31	7°31	29°34	S 24
M 25	2 45 48	9°55'00	6°V 4	1°44	28°58	1°42	22°52	11°37	15°15	22°34	11°58	16°11	17°28	7°37	29°35	M 25
T 26	2 49 45	10°55'22	20°41	2°56	0°9	2°23	22°45	11°36	15°17	22°33	11°57	16° 5	17°25	7°44	29°36	T 26
W 27	2 53 41	11°55'46	5°36	4° 6	1°20	3° 4	22°38	11°35	15°19	22°32	11°56	16° 0	17°22	7°51	29°37	W 27
T 28	2 57 38	12°56'12	20°43	5°14	2°32	3°46	22°31	11°33	15°21	22°30	11°55	15°56	17°18	7°57	29°38	T 28
F 29	3 1 34	13°56'39	5°II51	6°19	3°43	4°27	22°24	11°33	15°23	22°29	11°54	15°55	17°15	8° 4	29°38	F 29
S 30	3 5 31	14°57'08	20°51	7°21	4°54	5° 8	22°17	11°32	15°25	22°28	11°53	15°D54	17°12	8°11	29°39	S 30
S 31	3 9 27	15°57'40	5°36	8°20	6°6	5°50	22°V10	11°K31	15°327	22°II27	11°II52	15°II55	17°II 9	8°17	29°39	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	6s17	17n48	1s47	11s 7	0s30	11n12	0n12	5s34	0n34	8n38	1s34	9s 0	2s19	23s10	0s28	22n 2	1s17	13n15	9s10	22n56	23n 2	19s59	13n51	6s46	0n34
S 2	6 40	21 43	0 32	11 47	0 37	10 52	0 16	5 50	0 34	8 35	1 34	9 1	2 19	23 9	0 28	22 2	1 17	13 15	9 10	22 55	23 2	20 1	13 50	6 47	0 34
S 3	7 3	24 13	0n45	12 26	0 43	10 32	0 21	6 6	0 33	8 32	1 34	9 2	2 19	23 9	0 28	22 2	1 17	13 14	9 10	22 56	23 2	20 3	13 48	6 48	0 33
M 4	7 25	25 6	1 58	13 5	0 50	10 12	0 25	6 22	0 33	8 29	1 34	9 4	2 19	23 9	0 28	22 2	1 17	13 14	9 10	22 56	23 1	20 5	13 47	6 48	0 33
T 5	7 48	24 23	3 2	13 42	0 57	9 51	0 29	6 38	0 32	8 26	1 34	9 5	2 19	23 9	0 27	22 2	1 17	13 14	9 10	22 56	23 1	20 7	13 46	6 49	0 32
W 6	8 11	22 14	3 55	14 19	1 3	9 30	0 34	6 54	0 32	8 24	1 34	9 6	2 19	23 9	0 27	22 2	1 17	13 14	9 11	22 55	23 1	20 9	13 45	6 50	0 32
T 7	8 33	18 55	4 34	14 55	1 10	9 8	0 38	7 9	0 31	8 21	1 34	9 7	2 19	23 9	0 27	22 2	1 17	13 14	9 11	22 55	23 1	20 11	13 43	6 50	0 31
F 8	8 55	14 43	4 58	15 31	1 16	8 46	0 42	7 25	0 31	8 18	1 34	9 8	2 19	23 9	0 27	22 2	1 17	13 13	9 11	22 55	23 0	20 13	13 42	6 51	0 31
S 9	9 18	9 55	5 6	16 5	1 23	8 24	0 46	7 41	0 30	8 15	1 34	9 9	2 18	23 9	0 27	22 2	1 18	13 13	9 11	22 54	23 0	20 15	13 41	6 52	0 30
S 10	9 40	4 46	4 59	16 39	1 29	8 1	0 49	7 57	0 30	8 12	1 34	9 10	2 18	23 8	0 27	22 2	1 18	13 13	9 11	22 53	23 0	20 17	13 40	6 52	0 30
M11	10 2	0s30	4 37	17 12	1 35	7 38	0 53	8 12	0 29	8 9	1 34	9 11	2 18	23 8	0 27	22 2	1 18	13 13	9 11	22 52	23 0	20 19	13 39	6 53	0 29
T 12	10 23	5 41	4 3	17 44	1 41	7 15	0 57	8 28	0 29	8 6	1 34	9 12	2 18	23 8	0 27	22 2	1 18	13 13	9 11	22 51	22 59	20 21	13 38	6 54	0 29
W13	10 45	10 35	3 19	18 16	1 47	6 52	1 0	8 43	0 28	8 3	1 34	9 12	2 18	23 8	0 27	22 2	1 18	13 13	9 11	22 50	22 59	20 23	13 36	6 55	0 28
T 14	11 7	15 2	2 25	18 46	1 52	6 28	1 4	8 59	0 28	8 0	1 34	9 13	2 18	23 8	0 27	22 2	1 18	13 12	9 11	22 50	22 59	20 25	13 35	6 55	0 28
F 15	11 28	18 52	1 26	19 15	1 58	6 4	1 7	9 14	0 27	7 57	1 33	9 14	2 18	23 8	0 27	22 1	1 18	13 12	9 12	22 49	22 58	20 27	13 34	6 56	0 27
S 16	11 49	21 55	0 23	19 43	2 3	5 40	1 10	9 30	0 27	7 54	1 33	9 15	2 17	23 7	0 27	22 1	1 18	13 12	9 12	22 49	22 58	20 29	13 33	6 57	0 27
S 17	12 10	24 3	0s40	20 11	2 8	5 15	1 13	9 45	0 26	7 52	1 33	9 15	2 17	23 7	0 27	22 1	1 18	13 12	9 12	22 49	22 58	20 31	13 32	6 57	0 26
M18	12 31	25 6	1 43	20 37	2 12	4 50	1 16	10 1	0 26	7 49	1 33	9 16	2 17	23 7	0 27	22 1	1 18	13 12	9 12	22 49	22 58	20 33	13 31	6 58	0 26
T 19	12 51	25 2	2 41	21 2	2 17	4 25	1 19	10 16	0 25	7 46	1 33	9 17	2 17	23 7	0 27	22 1	1 18	13 11	9 12	22 49	22 57	20 35	13 30	6 59	0 25
W20	13 12	23 46	3 34	21 26	2 21	4 0	1 22	10 31	0 24	7 43	1 33	9 17	2 17	23 7	0 27	22 1	1 18	13 11	9 12	22 49	22 57	20 37	13 29	7 0	0 25
T 21	13 32	21 20	4 18	21 49	2 25	3 35	1 25	10 46	0 24	7 40	1 33	9 18	2 17	23 6	0 27	22 1	1 18	13 11	9 12	22 49	22 57	20 39	13 28	7 0	0 24
F 22	13 52	17 48	4 50	22 10	2 28	3 9	1 27	11 1	0 23	7 38	1 33	9 18	2 17	23 6	0 27	22 1	1 18	13 11	9 12	22 49	22 56	20 41	13 27	7 1	0 24
S 23	14 11	13 18	5 8	22 31	2 31	2 43	1 30	11 16	0 23	7 35	1 32	9 19	2 16	23 6	0 27	22 1	1 18	13 11	9 12	22 49	22 56	20 43	13 26	7 2	0 23
S 24	14 31	7 58	5 10	22 50	2 34	2 17	1 32	11 31	0 22	7 32	1 32	9 19	2 16	23 6	0 27	22 1	1 18	13 10	9 12	22 48	22 56	20 45	13 25	7 2	0 23
M25	14 50	2 4	4 53	23 7	2 36	1 51	1 34	11 46	0 22	7 30	1 32	9 19	2 16	23 6	0 27	22 1	1 18	13 10	9 12	22 48	22 55	20 47	13 24	7 3	0 22
T 26	15 9	4n 8	4 17	23 24	2 38	1 25	1 37	12 1	0 21	7 27	1 32	9 20	2 16	23 5	0 27	22 1	1 18	13 10	9 12	22 47	22 55	20 49	13 23	7 4	0 22
W27	15 28	10 15	3 23	23 38	2 39	0 58	1 39	12 15	0 21	7 25	1 32	9 20	2 16	23 5	0 27	22 0	1 18	13 10	9 12	22 47	22 55	20 51	13 22	7 5	0 21
T 28	15 46	15 51	2 14	23 52	2 40	0 32	1 41	12 30	0 20	7 22	1 32	9 20	2 16	23 5	0 27	22 0	1 18	13 10	9 13	22 46	22 55	20 53	13 22	7 6	0 21
F 29	16 5	20 27	0 55	24 3	2 40	0 5	1 43	12 44	0 20	7 20	1 31	9 21	2 15	23 5	0 27	22 0	1 18	13 9	9 13	22 46	22 54	20 55	13 21	7 7	0 20
S 30	16 22	23 39	0n27	24 13	2 39	0s22	1 44	12 59	0 19	7 17	1 31	9 21	2 15	23 4	0 27	22 0	1 18	13 9	9 13	22 46	22 54	20 57	13 20	7 7	0 20
S 31	16s40	25n10	1n46	24s22	2s38	0s48	1n46	13s13	0n18	7n15	1s31	9s21	2s15	23s 4	0s27	22n 0	1s18	13n 9	9s13	22n46	22n54	20s58	13n19	7s 8	0 20

ASTRODIENST EPHEMERIS for the year 1406
geocentric

NOVEMBER 1406 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 13 24	16 ^m 58'12"	20 ^h 00'	9 ^h 15'	7 ^h 17'	6 ^m 31	22°R 3	11°R30	15 ^h 30	22°R25	11°R51	15 ^h 57	17 ^h 11	8 ^h 24	29 ^h 39	M 1
T 2	3 17 20	17°58'47"	4 ^h 01'	10° 6'	8°29'	7°13	21 ^h 57	11 ^h 30	15°32'	22 ^h 24	11 ^h 50	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 ^h 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 ^h 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 ^m 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 ^h 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 ^h 7'48"	2 ^h 39	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 ^h 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 ^h 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 ^m 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 ^h 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 ^m 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 ^h 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 ^h 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 ^h 05	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 ^h 23'37"	13 ^h 05	27 ^m 05	12 ^m 32	26 ^m 52	20 ^h 01	11 ^h 58	16 ^h 49	21 ^h 41	11 ^h 18	15 ^h 39	15 ^h 34	11 ^h 37	29 ^h 04	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	16s58	24n56	2n56	24s28	2s35	1s15	1n48	13s27	0n18	7n13	1s31	9s21	2s15	23s 4	0s27	22n 0	1s18	13n 9	9s13	22n46	22n53	21s 0	13n18	7s 8			
T 2	17 15	23 6	3 54	24 33	2 32	1 42	1 49	13 41	0 17	7 11	1 31	9 21	2 15	23 3	0 27	22 0	1 18	13 9	9 13	22 47	22 53	21 2	13 18	7 9			
W 3	17 31	19 59	4 37	24 36	2 28	2 9	1 51	13 56	0 17	7 8	1 30	9 21	2 14	23 3	0 27	22 0	1 18	13 9	9 13	22 47	22 53	21 4	13 17	7 10			
T 4	17 48	15 54	5 4	24 36	2 23	2 36	1 52	14 9	0 16	7 6	1 30	9 21	2 14	23 3	0 27	22 0	1 18	13 8	9 13	22 47	22 52	21 6	13 16	7 10			
F 5	18 4	11 11	5 14	24 35	2 17	3 4	1 53	14 23	0 16	7 4	1 30	9 21	2 14	23 3	0 27	22 0	1 18	13 8	9 13	22 46	22 52	21 8	13 15	7 11			
S 6	18 20	6 6	5 9	24 31	2 9	3 31	1 54	14 37	0 15	7 2	1 30	9 21	2 14	23 2	0 27	22 0	1 18	13 8	9 13	22 46	22 52	21 10	13 15	7 12			
S 7	18 35	0 52	4 49	24 25	2 1	3 58	1 55	14 51	0 14	7 0	1 29	9 21	2 14	23 2	0 27	21 59	1 18	13 8	9 13	22 46	22 51	21 12	13 14	7 13			
M 8	18 51	4s20	4 17	24 16	1 50	4 25	1 56	15 4	0 14	6 58	1 29	9 20	2 14	23 2	0 27	21 59	1 18	13 8	9 13	22 45	22 51	21 14	13 14	7 13			
T 9	19 6	9 19	3 33	24 5	1 39	4 52	1 57	15 18	0 13	6 56	1 29	9 20	2 13	23 1	0 27	21 59	1 18	13 8	9 13	22 45	22 51	21 16	13 13	7 14			
W10	19 20	13 54	2 40	23 51	1 26	5 19	1 57	15 31	0 13	6 55	1 29	9 20	2 13	23 1	0 27	21 59	1 18	13 7	9 13	22 45	22 51	21 17	13 12	7 15			
T 11	19 34	17 57	1 41	23 35	1 11	5 46	1 58	15 44	0 12	6 53	1 28	9 19	2 13	23 1	0 27	21 59	1 18	13 7	9 13	22 44	22 50	21 19	13 12	7 15			
F 12	19 48	21 15	0 37	23 15	0 55	6 13	1 59	15 57	0 12	6 51	1 28	9 19	2 13	23 0	0 27	21 59	1 18	13 7	9 13	22 44	22 50	21 21	13 11	7 16			
S 13	20 2	23 39	0s28	22 52	0 37	6 40	1 59	16 10	0 11	6 50	1 28	9 19	2 13	23 0	0 27	21 59	1 18	13 7	9 13	22 44	22 50	21 23	13 11	7 17			
S 14	20 15	25 2	1 32	22 27	0 19	7 7	1 59	16 23	0 10	6 48	1 28	9 18	2 12	23 0	0 27	21 59	1 18	13 7	9 13	22 44	22 49	21 25	13 10	7 17			
M15	20 27	25 16	2 33	21 58	0n 1	7 33	1 59	16 36	0 10	6 47	1 27	9 18	2 12	22 59	0 27	21 59	1 18	13 7	9 13	22 44	22 49	21 27	13 10	7 18			
T 16	20 40	24 21	3 27	21 28	0 21	8 0	2 0	16 49	0 9	6 45	1 27	9 17	2 12	22 59	0 27	21 59	1 18	13 7	9 13	22 45	22 49	21 29	13 10	7 19			
W17	20 52	22 17	4 13	20 55	0 42	8 26	2 0	17 1	0 9	6 44	1 27	9 16	2 12	22 59	0 27	21 58	1 18	13 6	9 13	22 45	22 48	21 30	13 9	7 19			
T 18	21 3	19 8	4 48	20 22	1 2	8 53	1 59	17 14	0 8	6 43	1 26	9 16	2 12	22 58	0 27	21 58	1 18	13 6	9 13	22 45	22 48	21 32	13 9	7 20			
F 19	21 14	15 3	5 11	19 48	1 21	9 19	1 59	17 26	0 7	6 42	1 26	9 15	2 11	22 58	0 27	21 58	1 18	13 6	9 13	22 45	22 48	21 34	13 8	7 21			
S 20	21 25	10 9	5 18	19 15	1 39	9 45	1 59	17 38	0 7	6 41	1 26	9 14	2 11	22 58	0 27	21 58	1 18	13 6	9 13	22 45	22 47	21 36	13 8	7 21			
S 21	21 35	4 37	5 8	18 44	1 56	10 11	1 59	17 50	0 6	6 40	1 26	9 14	2 11	22 57	0 27	21 58	1 18	13 6	9 13	22 45	22 47	21 38	13 8	7 22			
M22	21 45	1n20	4 39	18 15	2 10	10 36	1 58	18 2	0 6	6 39	1 25	9 13	2 11	22 57	0 27	21 58	1 18	13 6	9 13	22 45	22 47	21 39	13 8	7 23			
T 23	21 55	7 24	3 53	17 49	2 22	11 2	1 58	18 13	0 5	6 38	1 25	9 12	2 11	22 57	0 27	21 58	1 18	13 6	9 13	22 45	22 46	21 41	13 7	7 23			
W24	22 4	13 15	2 50	17 28	2 30	11 27	1 57	18 25	0 4	6 37	1 25	9 11	2 11	22 56	0 27	21 58	1 18	13 6	9 13	22 45	22 46	21 43	13 7	7 24			
T 25	22 12	18 24	1 33	17 11	2 42	11 52	1 56	18 36	0 4	6 36	1 24	9 10	2 10	22 56	0 27	21 58	1 18	13 5	9 13	22 44	22 46	21 45	13 7	7 25			
F 26	22 21	22 22	0 10	16 58	2 46	12 16	1 56	18 47	0 3	6 36	1 24	9 9	2 10	22 55	0 27	21 58	1 18	13 5	9 13	22 44	22 45	21 47	13 7	7 25			
S 27	22 28	24 45	1n14	16 50	2 49	12 41	1 55	18 58	0 2	6 35	1 24	9 8	2 10	22 55	0 27	21 57	1 18	13 5	9 13	22 44	22 45	21 48	13 7	7 26			
S 28	22 36	25 17	2 32	16 46	2 51	13 5	1 54	19 9	0 2	6 35	1 23	9 7	2 10	22 55	0 27	21 57	1 18	13 5	9 13	22 44	22 45	21 50	13 7	7 26			
M29	22 43	24 1	3 38	16 46	2 51	13 29	1 53	19 20	0 1	6 35	1 23	9 6	2 10	22 54	0 27	21 57	1 18	13 5	9 13	22 44	22 44	21 52	13 7	7 27			
T 30	22s49	21n13	4n28	16s49	2n49	13s52	1n52	19s31	0n 1	6n34	1s23	9s 5	2s 9	22s54	0s27	21n57	1s18	13n 5	9s12	22n44	22n44	21s54	13n 7	7s27			

ASTRODIENST EPHEMERIS for the year 1406
geocentric

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°59	12°1	16°52	21°39	11°17	15°39	15°30	11°43	29°R 1	W 1
T 2	5 15 37	18°25'50	10°17	27°49	15°0	28°17	19°58	12°3	16°56	21°37	11°16	15°39	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°39	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°17	29°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°56	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°43	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°32	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°31	16°10	6°1	10°30	20°11	13°3	17°53	21°8	10°57	15°29	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°14	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°33	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°17	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°55	14°1	18°35	20°50	10°45	15°10	13°55	15°3	27°10	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22s55	17n17	5n 1	16s56	2n47	14s16	1n51	19s41	0s 0	6n34	1s22	9s 4	2s 9	22s53	0s27	21n57	1s18	13n 5	9s12	22n44	22n44	21s56	13n 6	7s28					
T 2	23 1	12 36	5 17	17 6	2 43	14 39	1 49	19 51	0 1	6 34	1 22	9 3	2 9	22 53	0 27	21 57	1 18	13 5	9 12	22 44	22 43	21 57	13 6	7 29					
F 3	23 6	7 29	5 15	17 18	2 38	15 1	1 48	20 1	0 1	6 34	1 22	9 2	2 9	22 53	0 27	21 57	1 18	13 5	9 12	22 44	22 43	21 59	13 7	7 29					
S 4	23 10	2 13	4 59	17 32	2 33	15 23	1 47	20 11	0 2	6 34	1 22	9 0	2 9	22 52	0 27	21 57	1 18	13 5	9 12	22 44	22 43	22 1	13 7	7 30					
S 5	23 15	3s 2	4 28	17 47	2 27	15 45	1 45	20 21	0 3	6 34	1 21	8 59	2 9	22 52	0 27	21 57	1 18	13 5	9 12	22 45	22 42	22 3	13 7	7 30					
M 6	23 18	8 5	3 47	18 4	2 20	16 7	1 44	20 30	0 3	6 34	1 21	8 58	2 8	22 51	0 27	21 57	1 18	13 5	9 12	22 45	22 42	22 4	13 7	7 31					
T 7	23 21	12 47	2 55	18 22	2 13	16 28	1 42	20 40	0 4	6 34	1 21	8 56	2 8	22 51	0 27	21 56	1 18	13 4	9 12	22 45	22 41	22 6	13 7	7 31					
W 8	23 24	16 58	1 57	18 41	2 6	16 49	1 41	20 49	0 5	6 35	1 20	8 55	2 8	22 51	0 27	21 56	1 18	13 4	9 12	22 45	22 41	22 8	13 7	7 32					
T 9	23 27	20 28	0 54	19 1	1 58	17 9	1 39	20 58	0 5	6 35	1 20	8 54	2 8	22 50	0 27	21 56	1 18	13 4	9 12	22 45	22 41	22 10	13 7	7 32					
F 10	23 28	23 7	0s11	19 21	1 50	17 29	1 37	21 7	0 6	6 36	1 20	8 52	2 8	22 50	0 27	21 56	1 18	13 4	9 12	22 45	22 40	22 11	13 7	7 33					
S 11	23 30	24 47	1 16	19 41	1 42	17 48	1 35	21 15	0 6	6 36	1 19	8 51	2 7	22 49	0 27	21 56	1 18	13 4	9 12	22 45	22 40	22 13	13 8	7 33					
S 12	23 31	25 19	2 18	20 1	1 34	18 7	1 33	21 24	0 7	6 37	1 19	8 49	2 7	22 49	0 27	21 56	1 18	13 4	9 11	22 45	22 40	22 15	13 8	7 33					
M13	23 31	24 40	3 14	20 21	1 26	18 25	1 31	21 32	0 8	6 38	1 19	8 47	2 7	22 48	0 27	21 56	1 18	13 4	9 11	22 44	22 39	22 17	13 8	7 34					
T 14	23 31	22 52	4 2	20 40	1 18	18 43	1 29	21 40	0 8	6 39	1 18	8 46	2 7	22 48	0 27	21 56	1 18	13 4	9 11	22 44	22 39	22 18	13 8	7 34					
W15	23 30	19 59	4 40	21 0	1 9	19 1	1 27	21 48	0 9	6 39	1 18	8 44	2 7	22 47	0 27	21 56	1 18	13 4	9 11	22 44	22 39	22 20	13 9	7 35					
T 16	23 29	16 9	5 5	21 19	1 1	19 18	1 25	21 56	0 10	6 40	1 18	8 43	2 7	22 47	0 27	21 56	1 18	13 4	9 11	22 44	22 38	22 22	13 9	7 35					
F 17	23 28	11 31	5 16	21 37	0 53	19 34	1 23	22 3	0 10	6 41	1 17	8 41	2 6	22 47	0 27	21 55	1 18	13 4	9 11	22 44	22 38	22 23	13 10	7 35					
S 18	23 26	6 17	5 11	21 55	0 45	19 50	1 21	22 10	0 11	6 43	1 17	8 39	2 6	22 46	0 27	21 55	1 18	13 4	9 11	22 43	22 38	22 25	13 10	7 36					
S 19	23 23	0 38	4 49	22 11	0 36	20 5	1 19	22 17	0 12	6 44	1 17	8 37	2 6	22 46	0 27	21 55	1 18	13 4	9 11	22 43	22 37	22 27	13 10	7 36					
M20	23 21	5n12	4 10	22 28	0 28	20 20	1 16	22 24	0 12	6 45	1 16	8 35	2 6	22 45	0 27	21 55	1 18	13 4	9 11	22 43	22 37	22 28	13 11	7 36					
T 21	23 17	10 57	3 15	22 43	0 20	20 34	1 14	22 31	0 13	6 46	1 16	8 34	2 6	22 45	0 27	21 55	1 18	13 4	9 10	22 44	22 36	22 30	13 11	7 37					
W22	23 13	16 16	2 7	22 57	0 13	20 48	1 12	22 37	0 14	6 48	1 16	8 32	2 6	22 44	0 27	21 55	1 18	13 4	9 10	22 44	22 36	22 32	13 12	7 37					
T 23	23 9	20 43	0 48	23 11	0 5	21 1	1 9	22 43	0 14	6 49	1 15	8 30	2 6	22 44	0 27	21 55	1 18	13 4	9 10	22 44	22 36	22 33	13 12	7 37					
F 24	23 4	23 50	0n34	23 23	0s 3	21 14	1 7	22 49	0 15	6 51	1 15	8 28	2 5	22 43	0 27	21 55	1 18	13 4	9 10	22 44	22 35	22 35	13 13	7 38					
S 25	22 59	25 15	1 55	23 35	0 10	21 26	1 4	22 55	0 16	6 53	1 15	8 26	2 5	22 43	0 27	21 55	1 18	13 4	9 10	22 44	22 35	22 37	13 13	7 38					
S 26	22 53	24 48	3 7	23 45	0 17	21 37	1 2	23 0	0 16	6 54	1 15	8 24	2 5	22 42	0 27	21 55	1 18	13 4	9 10	22 43	22 35	22 38	13 14	7 38					
M27	22 47	22 36	4 5	23 54	0 25	21 47	0 59	23 6	0 17	6 56	1 14	8 22	2 5	22 42	0 27	21 55	1 18	13 4	9 10	22 43	22 34	22 40	13 14	7 38					
T 28	22 41	18 59	4 46	24 2	0 31	21 57	0 57	23 11	0 18	6 58	1 14	8 20	2 5	22 41	0 27	21 55	1 18	13 4	9 9	22 43	22 34	22 42	13 15	7 39					
W29	22 34	14 24	5 8	24 9	0 38	22 7	0 54	23 16	0 19	7 0	1 14	8 18	2 5	22 41	0 27	21 54	1 18	13 4	9 9	22 42	22 33	22 43	13 16	7 39					
T 30	22 26	9 14	5 13	24 15	0 45	22 15	0 52	23 20	0 19	7 2	1 13	8 16	2 5	22 40	0 27	21 54	1 18	13 4	9 9	22 42	22 33	22 43	13 16	7 39					
F 31	22s18	3n49	5n 0	24s19	0s51	22s24	0n49	23s25	0s20	7n 4	1s13	8s14	2s 4	22s40	0s27	21n54	1s18	13n 4	9s 9	22n41	22n33	22s47	13n17	7s39					