



Astrodienst Ephemeris Tables for the year 1706

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 1706
geocentric

JANUARY 1706

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	6 40 40	10♈14'49	1♏34	26♈12	14♌59	8♌46	26°R32	13°R 4	7°R32	16°V13	20°R58	22°R46	21♊19	0♈42	24♌5	F 1
S 2	6 44 37	11°15'58	14°12	27°43	16°14	9°28	26♈24	13♈2	7♏30	16°13	20♏57	22♊36	21°16	0°49	24°11	S 2
S 3	6 48 33	12°17'07	26°35	29°13	17°29	10°11	26°17	13° 1	7°27	16°13	20°55	22°28	21°12	0°55	24°18	S 3
M 4	6 52 30	13°18'16	8♏44	0♈40	18°44	10°54	26° 9	13° 0	7°25	16°13	20°54	22°20	21° 9	1° 2	24°24	M 4
T 5	6 56 27	14°19'25	20°43	2° 5	19°59	11°36	26° 1	12°59	7°23	16°14	20°53	22°15	21° 6	1° 9	24°31	T 5
W 6	7 0 23	15°20'34	2♈35	3°28	21°13	12°19	25°54	12°58	7°20	16°14	20°52	22°12	21° 3	1°15	24°37	W 6
T 7	7 4 20	16°21'42	14°24	4°47	22°28	13° 2	25°46	12°57	7°18	16°14	20°51	22°D11	21° 0	1°22	24°43	T 7
F 8	7 8 16	17°22'51	26°17	6° 2	23°43	13°44	25°38	12°56	7°16	16°15	20°50	22°11	20°57	1°29	24°50	F 8
S 9	7 12 13	18°24'00	8♏19	7°13	24°58	14°27	25°30	12°55	7°13	16°15	20°49	22°12	20°53	1°35	24°56	S 9
S 10	7 16 9	19°25'09	20°34	8°19	26°13	15°10	25°22	12°55	7°11	16°16	20°47	22°R13	20°50	1°42	25° 2	S 10
M11	7 20 6	20°26'18	3♌7	9°18	27°28	15°53	25°14	12°54	7° 8	16°16	20°46	22°12	20°47	1°49	25° 9	M11
T 12	7 24 2	21°27'26	16° 3	10°11	28°43	16°36	25° 6	12°54	7° 6	16°17	20°45	22° 9	20°44	1°55	25°15	T 12
W13	7 27 59	22°28'34	29°23	10°56	29°58	17°19	24°58	12°54	7° 3	16°17	20°44	22° 4	20°41	2° 2	25°21	W13
T 14	7 31 56	23°29'42	13♈6	11°33	1♊13	18° 2	24°50	12°D54	7° 1	16°18	20°42	21°56	20°38	2° 9	25°27	T 14
F 15	7 35 52	24°30'49	27°11	11°59	2°28	18°45	24°42	12°54	6°58	16°18	20°41	21°46	20°34	2°16	25°34	F 15
S 16	7 39 49	25°31'55	11♈33	12°16	3°43	19°28	24°34	12°54	6°56	16°19	20°40	21°36	20°31	2°22	25°40	S 16
S 17	7 43 45	26°33'01	26° 4	12°R22	4°58	20°11	24°26	12°54	6°53	16°20	20°39	21°25	20°28	2°29	25°46	S 17
M18	7 47 42	27°34'06	10♌39	12°16	6°13	20°54	24°18	12°54	6°51	16°20	20°37	21°16	20°25	2°36	25°52	M18
T 19	7 51 38	28°35'10	25°10	11°59	7°28	21°37	24°10	12°55	6°48	16°21	20°36	21° 9	20°22	2°42	25°58	T 19
W20	7 55 35	29°36'12	9°V33	11°30	8°43	22°20	24° 2	12°55	6°45	16°22	20°35	21° 5	20°18	2°49	26° 4	W20
T 21	7 59 32	0♈37'14	23°44	10°50	9°58	23° 3	23°54	12°56	6°43	16°23	20°33	21° 4	20°15	2°56	26°10	T 21
F 22	8 3 28	1°38'14	7♊42	10° 0	11°13	23°46	23°46	12°57	6°40	16°24	20°32	21°D 4	20°12	3° 2	26°16	F 22
S 23	8 7 25	2°39'14	21°27	9° 2	12°28	24°30	23°38	12°58	6°38	16°25	20°30	21°R 4	20° 9	3° 9	26°21	S 23
S 24	8 11 21	3°40'12	5♏0	7°56	13°43	25°13	23°30	12°59	6°35	16°25	20°29	21° 3	20° 6	3°16	26°27	S 24
M25	8 15 18	4°41'09	18°21	6°45	14°58	25°56	23°22	13° 0	6°32	16°26	20°28	21° 0	20° 3	3°22	26°33	M25
T 26	8 19 14	5°42'05	1♈32	5°31	16°13	26°40	23°14	13° 1	6°30	16°27	20°26	20°55	19°59	3°29	26°39	T 26
W27	8 23 11	6°43'00	14°33	4°16	17°28	27°23	23° 7	13° 3	6°27	16°28	20°25	20°46	19°56	3°36	26°44	W27
T 28	8 27 7	7°43'53	27°22	3° 2	18°43	28° 6	22°59	13° 4	6°25	16°30	20°23	20°35	19°53	3°42	26°50	T 28
F 29	8 31 4	8°44'46	10♏1	1°52	19°58	28°50	22°52	13° 6	6°22	16°31	20°22	20°21	19°50	3°49	26°55	F 29
S 30	8 35 1	9°45'37	22°27	0°47	21°12	29°33	22°44	13° 7	6°19	16°32	20°21	20° 7	19°47	3°56	27° 1	S 30
S 31	8 38 57	10♈46'27	4♏42	29♈48	22♈27	0♊17	22♈37	13♈9	6♏17	16°V33	20♏19	19♊53	19♊44	4♏3	27♌6	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	decl	decl	decl	lat	decl	decl	decl	lat	decl	lat
F 1	23s 5	24n30	4n46	22s49	1s54	21s42	0n56	21s51	0s 3	21n19	0n27	13n31	2s22	19n 3	0n39	4n50	1s41	23n53	9n54	18n30	18n 7	3n22	18s 0	5n21										
S 2	23 0	21 26	5 4	22 26	1 49	21 52	0 54	21 58	0 3	21 21	0 27	13 31	2 22	19 4	0 39	4 50	1 41	23 53	9 54	18 27	18 6	3 19	18 0	5 22										
S 3	22 55	17 28	5 6	22 2	1 43	22 2	0 52	22 5	0 4	21 22	0 27	13 31	2 22	19 4	0 39	4 50	1 41	23 54	9 54	18 25	18 5	3 16	18 0	5 22										
M 4	22 49	12 51	4 54	21 37	1 37	22 11	0 49	22 11	0 5	21 24	0 27	13 31	2 22	19 5	0 39	4 50	1 41	23 55	9 54	18 23	18 5	3 13	18 0	5 22										
T 5	22 42	7 49	4 30	21 11	1 29	22 20	0 46	22 18	0 5	21 26	0 27	13 31	2 21	19 5	0 39	4 50	1 41	23 55	9 55	18 22	18 4	3 10	18 0	5 23										
W 6	22 36	2 33	3 54	20 43	1 21	22 27	0 44	22 24	0 6	21 27	0 28	13 31	2 21	19 6	0 39	4 50	1 41	23 56	9 55	18 21	18 3	3 6	18 0	5 23										
T 7	22 28	2s47	3 9	20 16	1 12	22 35	0 41	22 31	0 7	21 29	0 28	13 31	2 21	19 7	0 39	4 50	1 41	23 56	9 55	18 21	18 2	3 3	18 0	5 23										
F 8	22 21	8 4	2 15	19 47	1 1	22 41	0 39	22 37	0 7	21 30	0 28	13 31	2 20	19 7	0 39	4 51	1 41	23 57	9 55	18 21	18 1	3 0	18 0	5 23										
S 9	22 13	13 8	1 14	19 18	0 50	22 47	0 36	22 42	0 8	21 32	0 28	13 31	2 20	19 8	0 39	4 51	1 41	23 58	9 56	18 21	18 0	2 57	17 59	5 24										
S 10	22 4	17 47	0 9	18 50	0 38	22 52	0 34	22 48	0 9	21 34	0 28	13 31	2 20	19 9	0 39	4 51	1 41	23 58	9 56	18 21	18 0	2 54	17 59	5 24										
M11	21 55	21 46	0s58	18 21	0 25	22 56	0 31	22 53	0 9	21 35	0 28	13 31	2 20	19 9	0 39	4 51	1 41	23 59	9 56	18 21	17 59	2 51	17 59	5 24										
T 12	21 46	24 48	2 4	17 53	0 11	23 0	0 28	22 58	0 10	21 37	0 28	13 31	2 19	19 10	0 39	4 52	1 41	24 0	9 56	18 20	17 58	2 47	17 59	5 25										
W13	21 36	26 33	3 5	17 27	0n 5	23 3	0 26	23 3	0 11	21 38	0 29	13 32	2 19	19 10	0 39	4 52	1 41	24 0	9 57	18 19	17 57	2 44	17 59	5 25										
T 14	21 26	26 46	3 57	17 1	0 21	23 5	0 23	23 8	0 12	21 40	0 29	13 32	2 19	19 11	0 39	4 52	1 41	24 1	9 57	18 17	17 56	2 41	17 59	5 25										
F 15	21 15	25 16	4 36	16 38	0 37	23 7	0 20	23 12	0 12	21 42	0 29	13 32	2 18	19 12	0 39	4 52	1 41	24 1	9 57	18 14	17 55	2 38	17 59	5 26										
S 16	21 4	22 7	4 58	16 16	0 55	23 8	0 18	23 17	0 13	21 43	0 29	13 33	2 18	19 12	0 39	4 53	1 41	24 2	9 57	18 12	17 55	2 35	17 59	5 26										
S 17	20 53	17 34	5 2	15 57	1 13	23 8	0 15	23 21	0 14	21 45	0 29	13 33	2 18	19 13	0 39	4 53	1 41	24 3	9 57	18 9	17 54	2 31	17 59	5 26										
M18	20 41	11 59	4 46	15 41	1 31	23 8	0 12	23 24	0 14	21 46	0 29	13 33	2 17	19 14	0 39	4 53	1 41	24 3	9 58	18 6	17 53	2 28	17 58	5 27										
T 19	20 29	5 46	4 12	15 28	1 50	23 6	0 10	23 28	0 15	21 48	0 29	13 34	2 17	19 14	0 40	4 54	1 40	24 4	9 58	18 5	17 52	2 25	17 58	5 27										
W20	20 16	0n42	3 22	15 19	2 7	23 5	0 7	23 31	0 16	21 49	0 29	13 34	2 17	19 15	0 40	4 54	1 40	24 5	9 58	18 4	17 51	2 22	17 58	5 27										
T 21	20 3	7 4	2 20	15 13	2 25	23 2	0 4	23 34	0 17	21 51	0 30	13 35	2 17	19 16	0 40	4 54	1 40	24 5	9 58	18 3	17 50	2 19	17 58	5 28										
F 22	19 50	12 59	1 10	15 11	2 41	22 59	0 2	23 37	0 17	21 52	0 30	13 35	2 16	19 16	0 40	4 55	1 40	24 6	9 58	18 3	17 49	2 15	17 58	5 28										
S 23	19 36	18 11	0n 2	15 12	2 56	22 55	0s 1	23 40	0 18	21 54	0 30	13 36	2 16	19 17	0 40	4 55	1 40	24 6	9 59	18 3	17 49	2 12	17 57	5 29										
S 24	19 22	22 22	1 13	15 17	3 8	22 50	0 3	23 42	0 19	21 55	0 30	13 36	2 16	19 18	0 40	4 56	1 40	24 7	9 59	18 3	17 48	2 9	17 57	5 29										
M25	19 7	25 17	2 19	15 24	3 19	22 44	0 6	23 45	0 20	21 57	0 30	13 37	2 15	19 18	0 40	4 56	1 40	24 8	9 59	18 2	17 47	2 6	17 57	5 29										
T 26	18 53	26 45	3 17	15 34	3 28	22 38	0 9	23 47	0 20	21 58	0 30	13 38	2 15	19 19	0 40	4 56	1 40	24 8	9 59	18 1	17 46	2 2	17 57	5 30										
W27	18 37	26 43	4 3	15 46	3 34	22 31	0 11	23 48	0 21	22 0	0 30	13 38	2 15	19 20	0 40	4 57	1 40	24 9	9 59	17 59	17 45	1 59	17 56	5 30										
T 28	18 22	25 14	4 36	15 59	3 37	22 24	0 14	23 50	0 22	22 1	0 30	13 39	2 14	19 20	0 40	4 57	1 40	24 9	9 59	17 55	17 44	1 56	17 56	5 31										
F 29	18 6	22 30	4 55	16 14	3 38	22 16	0 16	23 51	0 23	22 2	0 30	13 40	2 14	19 21	0 40	4 58	1 40	24 10	9 59	17 52	17 43	1 53	17 56	5 31										
S 30	17 50	18 46	5 0	16 29	3 37	22 7	0 19	23 52	0 23	22 4	0 31	13 41	2 14	19 22	0 40	4 58	1 40	24 11	10 0	17 48	17 43	1 50	17 55	5 31										
S 31	17s34	14n18	4n50	16s45	3n34	21s57	0s21	23s53	0s24	22n 5	0n31	13n41	2s14	19n22	0n40	4n59	1s40	24n11	10n 0	17n44	17n42	1n46	17s55	5n32										

ASTRODIENST EPHEMERIS for the year 1706
geocentric

FEBRUARY 1706

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 54	11 ⁴⁷ 16	16 ¹⁷ 47	28 ⁸ R56	23 ³ 42	1 ³ 0	22 ⁰ R30	13 ⁸ 11	6 ⁰ R14	16 ⁷ 34	20 ⁰ R18	19 ⁰ R41	19 ⁸ 40	4 ¹ 9	27 ¹ 12	M 1
T 2	8 46 50	12 ⁰ 48'04	28 ⁰ 43	28 ³ 12	24 ⁰ 57	1 ⁴ 44	22 ² 22	13 ⁰ 13	6 ⁰ 11	16 ⁰ 35	20 ⁰ 16	19 ⁸ 32	19 ⁰ 37	4 ⁰ 16	27 ⁰ 17	T 2
W 3	8 50 47	13 ⁰ 48'51	10 ¹ 33	27 ⁰ 36	26 ⁰ 12	2 ⁰ 28	22 ⁰ 15	13 ⁰ 15	6 ⁰ 9	16 ⁰ 36	20 ⁰ 15	19 ⁰ 25	19 ⁰ 34	4 ⁰ 23	27 ⁰ 22	W 3
T 4	8 54 43	14 ⁰ 49'37	22 ⁰ 21	27 ⁰ 9	27 ⁰ 27	3 ⁰ 11	22 ⁰ 8	13 ⁰ 18	6 ⁰ 6	16 ⁰ 38	20 ⁰ 13	19 ⁰ 21	19 ⁰ 31	4 ⁰ 29	27 ⁰ 27	T 4
F 5	8 58 40	15 ⁰ 50'22	4 ¹ 12	26 ⁰ 49	28 ⁰ 42	3 ⁰ 55	22 ⁰ 2	13 ⁰ 20	6 ⁰ 4	16 ⁰ 39	20 ⁰ 12	19 ⁰ 19	19 ⁰ 28	4 ⁰ 36	27 ⁰ 32	F 5
S 6	9 2 36	16 ⁰ 51'05	16 ⁰ 11	26 ⁰ 38	29 ⁰ 57	4 ⁰ 39	21 ⁰ 55	13 ⁰ 22	6 ⁰ 1	16 ⁰ 40	20 ⁰ 10	19 ⁰ 19	19 ⁰ 24	4 ⁰ 43	27 ⁰ 38	S 6
S 7	9 6 33	17 ⁰ 51'48	28 ⁰ 23	26 ⁰ D35	1 ¹ 12	5 ⁰ 23	21 ⁰ 48	13 ⁰ 25	5 ⁰ 59	16 ⁰ 42	20 ⁰ 9	19 ⁰ 19	19 ⁰ 21	4 ⁰ 49	27 ⁰ 43	S 7
M 8	9 10 30	18 ⁰ 52'30	10 ¹ 55	26 ⁰ 39	2 ⁰ 27	6 ⁰ 6	21 ⁰ 42	13 ⁰ 28	5 ⁰ 56	16 ⁰ 43	20 ⁰ 7	19 ⁰ 18	19 ⁰ 18	4 ⁰ 56	27 ⁰ 48	M 8
T 9	9 14 26	19 ⁰ 53'11	23 ⁰ 49	26 ⁰ 49	3 ⁰ 42	6 ⁰ 50	21 ⁰ 35	13 ⁰ 30	5 ⁰ 53	16 ⁰ 44	20 ⁰ 6	19 ⁰ 15	19 ⁰ 15	5 ⁰ 3	27 ⁰ 53	T 9
W10	9 18 23	20 ⁰ 53'50	7 ³ 12	27 ⁰ 6	4 ⁰ 57	7 ⁰ 34	21 ⁰ 29	13 ⁰ 33	5 ⁰ 51	16 ⁰ 46	20 ⁰ 4	19 ⁰ 9	19 ⁰ 12	5 ⁰ 9	27 ⁰ 57	W10
T 11	9 22 19	21 ⁰ 54'28	21 ⁰ 2	27 ⁰ 29	6 ⁰ 12	8 ⁰ 18	21 ⁰ 23	13 ⁰ 36	5 ⁰ 48	16 ⁰ 47	20 ⁰ 3	19 ⁰ 0	19 ⁰ 9	5 ⁰ 16	28 ⁰ 2	T 11
F 12	9 26 16	22 ⁰ 55'05	5 ¹ 20	27 ⁰ 57	7 ⁰ 27	9 ⁰ 2	21 ⁰ 17	13 ⁰ 39	5 ⁰ 46	16 ⁰ 49	20 ⁰ 2	18 ⁰ 50	19 ⁰ 5	5 ⁰ 23	28 ⁰ 7	F 12
S 13	9 30 12	23 ⁰ 55'41	20 ⁰ 1	28 ⁰ 30	8 ⁰ 42	9 ⁰ 46	21 ⁰ 12	13 ⁰ 42	5 ⁰ 44	16 ⁰ 50	20 ⁰ 0	18 ⁰ 38	19 ⁰ 2	5 ⁰ 29	28 ⁰ 12	S 13
S 14	9 34 9	24 ⁰ 56'15	4 ¹ 56	29 ⁰ 8	9 ⁰ 57	10 ⁰ 30	21 ⁰ 6	13 ⁰ 46	5 ⁰ 41	16 ⁰ 52	19 ⁰ 59	18 ⁰ 26	18 ⁰ 59	5 ⁰ 36	28 ⁰ 16	S 14
M15	9 38 5	25 ⁰ 56'47	19 ⁰ 57	29 ⁰ 50	11 ⁰ 12	11 ⁰ 14	21 ⁰ 0	13 ⁰ 49	5 ⁰ 39	16 ⁰ 53	19 ⁰ 57	18 ⁰ 15	18 ⁰ 56	5 ⁰ 43	28 ⁰ 21	M15
T 16	9 42 2	26 ⁰ 57'17	4 ¹ 53	0 ¹ 36	12 ⁰ 27	11 ⁰ 58	20 ⁰ 55	13 ⁰ 52	5 ⁰ 36	16 ⁰ 55	19 ⁰ 56	18 ⁰ 7	18 ⁰ 53	5 ⁰ 49	28 ⁰ 25	T 16
W17	9 45 59	27 ⁰ 57'46	19 ⁰ 37	1 ⁰ 26	13 ⁰ 42	12 ⁰ 42	20 ⁰ 50	13 ⁰ 56	5 ⁰ 34	16 ⁰ 57	19 ⁰ 54	18 ⁰ 2	18 ⁰ 50	5 ⁰ 56	28 ⁰ 29	W17
T 18	9 49 55	28 ⁰ 58'13	4 ¹ 8	2 ⁰ 19	14 ⁰ 56	13 ⁰ 26	20 ⁰ 45	14 ⁰ 0	5 ⁰ 32	16 ⁰ 58	19 ⁰ 53	18 ⁰ 0	18 ⁰ 46	6 ⁰ 3	28 ⁰ 34	T 18
F 19	9 53 52	29 ⁰ 58'37	18 ⁰ 10	3 ⁰ 15	16 ⁰ 11	14 ⁰ 10	20 ⁰ 40	14 ⁰ 3	5 ⁰ 29	17 ⁰ 0	19 ⁰ 51	17 ⁰ D59	18 ⁰ 43	6 ⁰ 9	28 ⁰ 38	F 19
S 20	9 57 48	0 ¹ 59'00	1 ¹ 56	4 ⁰ 14	17 ⁰ 26	14 ⁰ 54	20 ⁰ 35	14 ⁰ 7	5 ⁰ 27	17 ⁰ 2	19 ⁰ 50	17 ⁰ R59	18 ⁰ 40	6 ⁰ 16	28 ⁰ 42	S 20
S 21	10 1 45	1 ⁰ 59'21	15 ⁰ 22	5 ⁰ 16	18 ⁰ 41	15 ⁰ 38	20 ⁰ 31	14 ⁰ 11	5 ⁰ 25	17 ⁰ 3	19 ⁰ 48	17 ⁰ 59	18 ⁰ 37	6 ⁰ 23	28 ⁰ 46	S 21
M22	10 5 41	2 ⁰ 59'40	28 ⁰ 32	6 ⁰ 20	19 ⁰ 56	16 ⁰ 22	20 ⁰ 27	14 ⁰ 15	5 ⁰ 22	17 ⁰ 5	19 ⁰ 47	17 ⁰ 56	18 ⁰ 34	6 ⁰ 30	28 ⁰ 50	M22
T 23	10 9 38	3 ⁰ 59'57	11 ⁰ 26	7 ⁰ 26	21 ⁰ 11	17 ⁰ 7	20 ⁰ 22	14 ⁰ 19	5 ⁰ 20	17 ⁰ 7	19 ⁰ 46	17 ⁰ 51	18 ⁰ 30	6 ⁰ 36	28 ⁰ 54	T 23
W24	10 13 34	5 ⁰ 0'12	24 ⁰ 8	8 ⁰ 35	22 ⁰ 26	17 ⁰ 51	20 ⁰ 19	14 ⁰ 24	5 ⁰ 18	17 ⁰ 9	19 ⁰ 44	17 ⁰ 43	18 ⁰ 27	6 ⁰ 43	28 ⁰ 58	W24
T 25	10 17 31	6 ⁰ 0'25	6 ⁰ 39	9 ⁰ 45	23 ⁰ 40	18 ⁰ 35	20 ⁰ 15	14 ⁰ 28	5 ⁰ 16	17 ⁰ 10	19 ⁰ 43	17 ⁰ 33	18 ⁰ 24	6 ⁰ 50	29 ⁰ 2	T 25
F 26	10 21 28	7 ⁰ 0'36	19 ⁰ 1	10 ⁰ 58	24 ⁰ 55	19 ⁰ 19	20 ⁰ 11	14 ⁰ 32	5 ⁰ 14	17 ⁰ 12	19 ⁰ 41	17 ⁰ 20	18 ⁰ 21	6 ⁰ 56	29 ⁰ 6	F 26
S 27	10 25 24	8 ⁰ 0'45	1 ¹ 13	12 ⁰ 12	26 ⁰ 10	20 ⁰ 4	20 ⁰ 8	14 ⁰ 37	5 ⁰ 12	17 ⁰ 14	19 ⁰ 40	17 ⁰ 7	18 ⁰ 18	7 ⁰ 3	29 ⁰ 9	S 27
S 28	10 29 21	9 ¹ 52	13 ¹ 18	13 ¹ 28	27 ¹ 25	20 ¹ 48	20 ¹ 4	14 ¹ 41	5 ¹ 10	17 ¹ 16	19 ¹ 38	16 ¹ 54	18 ¹ 15	7 ¹ 10	29 ¹ 13	S 28

Day	☉	☾		♀		♀		♂		♂		♄	♅		♆		♇		♁	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s17	9n20	4n28	17s 0	3n29	21s47	0s24	23s53	0s25	22n 6	0n31	13n42	2s13	19n23	0n40	4n59	1s40	24n12	10n 0	17n41	17n41	1n43	17s55	5n32
T 2	17 0	4 5	3 54	17 16	3 22	21 36	0 26	23 54	0 26	22 8	0 31	13 43	2 13	19 24	0 40	5 0	1 40	24 12	10 0	17 39	17 40	1 40	17 54	5 33
W 3	16 42	1s17	3 10	17 31	3 14	21 25	0 28	23 54	0 26	22 9	0 31	13 44	2 13	19 24	0 40	5 0	1 40	24 13	10 0	17 37	17 39	1 37	17 54	5 33
T 4	16 25	6 35	2 17	17 45	3 4	21 13	0 31	23 54	0 27	22 10	0 31	13 45	2 12	19 25	0 40	5 1	1 40	24 14	10 0	17 36	17 38	1 34	17 54	5 34
F 5	16 7	11 42	1 19	17 59	2 54	21 0	0 33	23 53	0 28	22 11	0 31	13 46	2 12	19 26	0 40	5 1	1 40	24 14	10 0	17 35	17 37	1 30	17 53	5 34
S 6	15 49	16 27	0 17	18 12	2 43	20 46	0 35	23 53	0 29	22 12	0 31	13 47	2 12	19 26	0 40	5 2	1 40	24 15	10 0	17 35	17 37	1 27	17 53	5 35
S 7	15 30	20 37	0s48	18 23	2 32	20 32	0 38	23 52	0 29	22 13	0 31	13 48	2 12	19 27	0 40	5 2	1 40	24 15	10 0	17 35	17 36	1 24	17 52	5 35
M 8	15 11	23 57	1 52	18 34	2 20	20 18	0 40	23 51	0 30	22 15	0 31	13 49	2 11	19 28	0 40	5 3	1 39	24 16	10 1	17 35	17 35	1 21	17 52	5 36
T 9	14 52	26 11	2 52	18 44	2 8	20 2	0 42	23 49	0 31	22 16	0 31	13 50	2 11	19 28	0 40	5 4	1 39	24 17	10 1	17 34	17 34	1 17	17 52	5 36
W10	14 33	27 1	3 44	18 53	1 56	19 47	0 44	23 48	0 32	22 17	0 31	13 51	2 11	19 29	0 40	5 4	1 39	24 17	10 1	17 32	17 33	1 14	17 51	5 37
T 11	14 14	26 12	4 26	19 0	1 44	19 30	0 46	23 46	0 33	22 18	0 32	13 52	2 10	19 29	0 40	5 5	1 39	24 18	10 1	17 30	17 32	1 11	17 51	5 37
F 12	13 54	23 41	4 52	19 7	1 32	19 13	0 48	23 44	0 33	22 19	0 32	13 54	2 10	19 30	0 40	5 5	1 39	24 18	10 1	17 27	17 31	1 8	17 50	5 38
S 13	13 34	19 34	5 0	19 12	1 20	18 56	0 50	23 41	0 34	22 20	0 32	13 55	2 10	19 31	0 40	5 6	1 39	24 19	10 1	17 24	17 31	1 4	17 50	5 38
S 14	13 14	14 11	4 48	19 16	1 8	18 38	0 52	23 39	0 35	22 21	0 32	13 56	2 10	19 31	0 40	5 7	1 39	24 19	10 1	17 20	17 30	1 1	17 49	5 39
M15	12 53	7 55	4 16	19 18	0 56	18 19	0 54	23 36	0 36	22 22	0 32	13 57	2 9	19 32	0 40	5 7	1 39	24 20	10 1	17 18	17 29	0 58	17 49	5 39
T 16	12 33	1 13	3 27	19 20	0 45	18 0	0 56	23 33	0 37	22 22	0 32	13 59	2 9	19 32	0 40	5 8	1 39	24 20	10 1	17 15	17 28	0 55	17 48	5 40
W17	12 12	5n28	2 24	19 20	0 34	17 40	0 58	23 30	0 37	22 23	0 32	14 0	2 9	19 33	0 40	5 9	1 39	24 21	10 1	17 14	17 27	0 52	17 48	5 40
T 18	11 51	11 45	1 13	19 18	0 23	17 20	1 0	23 26	0 38	22 24	0 32	14 1	2 8	19 34	0 40	5 9	1 39	24 21	10 1	17 13	17 26	0 48	17 47	5 41
F 19	11 30	17 17	0n1	19 16	0 12	16 59	1 2	23 22	0 39	22 25	0 32	14 3	2 8	19 34	0 40	5 10	1 39	24 22	10 1	17 13	17 25	0 45	17 47	5 41
S 20	11 9	21 47	1 13	19 12	0 2	16 38	1 3	23 18	0 40	22 26	0 32	14 4	2 8	19 35	0 40	5 11	1 39	24 22	10 1	17 13	17 24	0 42	17 46	5 42
S 21	10 47	24 59	2 20	19 7	0s8	16 17	1 5	23 14	0 41	22 26	0 32	14 5	2 8	19 35	0 40	5 11	1 39	24 23	10 1	17 13	17 24	0 39	17 46	5 43
M22	10 25	26 45	3 17	19 0	0 18	15 55	1 6	23 9	0 41	22 27	0 32	14 7	2 7	19 36	0 40	5 12	1 39	24 23	10 1	17 12	17 23	0 35	17 45	5 43
T 23	10 4	27 1	4 3	18 52	0 27	15 32	1 8	23 5	0 42	22 28	0 32	14 8	2 7	19 36	0 40	5 13	1 39	24 24	10 1	17 11	17 22	0 32	17 45	5 44
W24	9 42	25 51	4 37	18 43	0 36	15 9	1 9	23 0	0 43	22 28	0 32	14 10	2 7	19 37	0 39	5 13	1 39	24 24	10 1	17 9	17 21	0 29	17 44	5 44
T 25	9 19	23 25	4 56	18 33	0 44	14 46	1 11	22 55	0 44	22 29	0 32	14 11	2 7	19 37	0 39	5 14	1 39	24 25	10 1	17 6	17 20	0 26	17 44	5 45
F 26	8 57	19 55	5 1	18 21	0 53	14 22	1 12	22 49	0 45	22 30	0 32	14 13	2 6	19 38	0 39	5 15	1 39	24 25	10 1	17 2	17 19	0 22	17 43	5 45
S 27	8 35	15 36	4 52	18 8	1 0	13 58	1 14	22 44	0 45	22 30	0 32	14 14	2 6	19 38	0 39	5 15	1 39	24 26	10 1	16 58	17 18	0 19	17 43	5 46
S 28	8s12	10n44	4n30	17s54	1s 8	13s34	1s15	22s38	0s46	22n31	0n32	14n16	2s 6	19n39	0n39	5n16	1s39	24n26	10n 1	16n55	17n17	0n16	17s42	5n47

ASTRODIENST EPHEMERIS for the year 1706

geocentric

MARCH 1706

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 33 17	10 ^h 05'58"	25 ^m 16	14 ^s 46	28 ^s 40	21 ^s 32	20°R 1	14 ^s 46	5°R 8	17 ^s 18	19°R37	16°R43	18 ^s 11	7 ^s 16	29 ^s 16	M 1
T 2	10 37 14	11° 1'01"	7 ^m 8	16° 5	29°54	22°17	19 ^s 59	14°51	5 ^s 6	17°20	19 ^s 36	16 ^s 33	18° 8	7°23	29°20	T 2
W 3	10 41 10	12° 1'03"	18°57	17°26	1 ^h 9	23° 1	19°56	14°56	5° 4	17°22	19°34	16°27	18° 5	7°30	29°23	W 3
T 4	10 45 7	13° 1'03"	0 ^m 45	18°48	2°24	23°46	19°53	15° 0	5° 2	17°23	19°33	16°23	18° 2	7°36	29°26	T 4
F 5	10 49 3	14° 1'01"	12°36	20°12	3°39	24°30	19°51	15° 5	5° 0	17°25	19°32	16°D22	17°59	7°43	29°30	F 5
S 6	10 53 0	15° 0'58"	24°34	21°37	4°53	25°15	19°49	15°10	4°58	17°27	19°30	16°22	17°55	7°50	29°33	S 6
S 7	10 56 56	16° 0'53"	6 ^m 45	23° 3	6° 8	25°59	19°47	15°16	4°56	17°29	19°29	16°23	17°52	7°56	29°36	S 7
M 8	11 0 53	17° 0'46"	19°12	24°31	7°23	26°44	19°45	15°21	4°54	17°31	19°28	16°R23	17°49	8° 3	29°39	M 8
T 9	11 4 50	18° 0'38"	2 ^m 3	26° 0	8°38	27°28	19°44	15°26	4°53	17°33	19°27	16°22	17°46	8°10	29°41	T 9
W10	11 8 46	19° 0'28"	15°20	27°31	9°52	28°13	19°43	15°31	4°51	17°35	19°25	16°19	17°43	8°16	29°44	W10
T 11	11 12 43	20° 0'17"	29° 6	29° 2	11° 7	28°58	19°41	15°37	4°49	17°37	19°24	16°14	17°40	8°23	29°47	T 11
F 12	11 16 39	21° 0'03"	13 ^s 22	0 ^h 35	12°22	29°42	19°40	15°42	4°48	17°40	19°23	16° 7	17°36	8°30	29°49	F 12
S 13	11 20 36	21°59'48"	28° 4	2° 9	13°36	0 ^m 27	19°40	15°48	4°46	17°42	19°22	15°58	17°33	8°36	29°52	S 13
S 14	11 24 32	22°59'31"	13 ^h 6	3°45	14°51	1°12	19°39	15°54	4°45	17°44	19°20	15°50	17°30	8°43	29°54	S 14
M15	11 28 29	23°59'12"	28°20	5°22	16° 6	1°56	19°39	15°59	4°43	17°46	19°19	15°42	17°27	8°50	29°57	M15
T 16	11 32 25	24°58'50"	13 ^h 33	7° 0	17°20	2°41	19°D39	16° 5	4°42	17°48	19°18	15°36	17°24	8°56	29°59	T 16
W17	11 36 22	25°58'27"	28°36	8°39	18°35	3°26	19°39	16°11	4°41	17°50	19°17	15°33	17°21	9° 3	0 ^h 1	W17
T 18	11 40 19	26°58'01"	13 ^h 22	10°19	19°50	4°10	19°39	16°17	4°39	17°52	19°16	15°D32	17°17	9°10	0° 3	T 18
F 19	11 44 15	27°57'34"	27°44	12° 1	21° 4	4°55	19°39	16°23	4°38	17°54	19°15	15°32	17°14	9°16	0° 5	F 19
S 20	11 48 12	28°57'03"	11 ^h 41	13°44	22°19	5°40	19°40	16°29	4°37	17°56	19°14	15°33	17°11	9°23	0° 7	S 20
S 21	11 52 8	29°56'31"	25°13	15°28	23°33	6°25	19°41	16°35	4°36	17°59	19°13	15°R34	17° 8	9°30	0° 9	S 21
M22	11 56 5	0 ^h 55'56"	8 ^m 22	17°14	24°48	7° 9	19°42	16°41	4°34	18° 1	19°12	15°34	17° 5	9°36	0°10	M22
T 23	12 0 1	1°55'19"	21°12	19° 1	26° 3	7°54	19°43	16°47	4°33	18° 3	19°11	15°32	17° 1	9°43	0°12	T 23
W24	12 3 58	2°54'40"	3 ^m 45	20°49	27°17	8°39	19°44	16°54	4°32	18° 5	19°10	15°28	16°58	9°50	0°14	W24
T 25	12 7 54	3°53'58"	16° 5	22°39	28°32	9°24	19°46	17° 0	4°31	18° 7	19° 9	15°23	16°55	9°57	0°15	T 25
F 26	12 11 51	4°53'14"	28°14	24°30	29°46	10° 9	19°48	17° 6	4°30	18°10	19° 8	15°16	16°52	10° 3	0°16	F 26
S 27	12 15 48	5°52'28"	10 ^m 16	26°22	1°Y 1	10°54	19°50	17°13	4°30	18°12	19° 7	15° 8	16°49	10°10	0°18	S 27
S 28	12 19 44	6°51'39"	22°12	28°16	2°15	11°39	19°52	17°19	4°29	18°14	19° 6	15° 1	16°46	10°17	0°19	S 28
M29	12 23 41	7°50'49"	4 ^m 3	0°Y11	3°29	12°23	19°54	17°26	4°28	18°16	19° 5	14°55	16°42	10°23	0°20	M29
T 30	12 27 37	8°49'56"	15°53	2° 7	4°44	13° 8	19°56	17°32	4°27	18°19	19° 4	14°50	16°39	10°30	0°21	T 30
W31	12 31 34	9°Y49'01"	27 ^m 42	4°Y 5	5°Y58	13 ^s 53	19 ^s 59	17 ^s 39	4 ^m 27	18°Y21	19 ^s 3	14 ^s 46	16 ^s 36	10 ^s 37	0 ^h 22	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s50	5n30	3n57	17s38	1s15	13s 9	1s16	22s32	0s47	22n31	0n32	14n18	2s 6	19n39	0n39	5n17
T 2	7 27	0 7	3 13	17 21	1 22	12 44	1 17	22 25	0 48	22 32	0 33	14 19	2 5	19 40	0 39	5 18
W 3	7 4	5s16	2 21	17 2	1 28	12 18	1 18	22 19	0 49	22 32	0 33	14 21	2 5	19 40	0 39	5 18
T 4	6 41	10 28	1 22	16 42	1 34	11 52	1 19	22 12	0 50	22 32	0 33	14 22	2 5	19 41	0 39	5 19
F 5	6 18	15 19	0 20	16 21	1 40	11 26	1 10	22 5	0 50	22 33	0 33	14 24	2 5	19 41	0 39	5 20
S 6	5 55	19 39	0s44	15 59	1 45	10 59	1 21	21 58	0 51	22 33	0 33	14 26	2 4	19 42	0 39	5 21
S 7	5 32	23 14	1 47	15 35	1 50	10 33	1 22	21 50	0 52	22 33	0 33	14 28	2 4	19 42	0 39	5 22
M 8	5 8	25 48	2 46	15 10	1 55	10 5	1 23	21 43	0 53	22 34	0 33	14 29	2 4	19 42	0 39	5 22
T 9	4 45	27 7	3 39	14 44	1 59	9 38	1 23	21 35	0 54	22 34	0 33	14 31	2 4	19 43	0 39	5 23
W10	4 21	26 57	4 23	14 16	2 2	9 10	1 24	21 27	0 54	22 34	0 33	14 33	2 3	19 43	0 39	5 24
T 11	3 58	25 8	4 52	13 47	2 6	8 43	1 24	21 18	0 55	22 34	0 33	14 35	2 3	19 44	0 39	5 25
F 12	3 34	21 43	5 5	13 17	2 8	8 14	1 25	21 10	0 56	22 34	0 33	14 36	2 3	19 44	0 39	5 26
S 13	3 11	16 50	4 59	12 45	2 11	7 46	1 25	21 1	0 57	22 35	0 33	14 38	2 3	19 44	0 39	5 26
S 14	2 47	10 50	4 32	12 13	2 13	7 18	1 26	20 52	0 58	22 35	0 33	14 40	2 3	19 45	0 39	5 27
M15	2 24	4 7	3 46	11 39	2 14	6 49	1 26	20 43	0 59	22 35	0 33	14 42	2 2	19 45	0 39	5 28
T 16	2 0	2n51	2 43	11 3	2 16	6 20	1 26	20 33	0 59	22 35	0 33	14 44	2 2	19 45	0 39	5 29
W17	1 36	9 36	1 30	10 27	2 16	5 51	1 26	20 24	1 0	22 35	0 33	14 46	2 2	19 46	0 39	5 30
T 18	1 12	15 41	0 12	9 49	2 16	5 22	1 27	20 14	1 1	22 35	0 33	14 47	2 2	19 46	0 39	5 30
F 19	0 49	20 45	1n 5	9 10	2 16	4 52	1 27	20 4	1 2	22 35	0 33	14 49	2 2	19 46	0 39	5 31
S 20	0 25	24 29	2 16	8 29	2 15	4 23	1 27	19 54	1 3	22 35	0 33	14 51	2 1	19 46	0 39	5 32
S 21	0 1	26 41	3 18	7 48	2 14	3 53	1 27	19 44	1 4	22 35	0 33	14 53	2 1	19 47	0 39	5 33
M22	0n22	27 19	4 7	7 5	2 13	3 23	1 26	19 33	1 4	22 34	0 33	14 55	2 1	19 47	0 39	5 34
T 23	0 46	26 27	4 42	6 21	2 11	2 54	1 26	19 22	1 5	22 34	0 33	14 57	2 1	19 47	0 39	5 35
W24	1 10	24 15	5 3	5 36	2 8	2 24	1 26	19 11	1 6	22 34	0 33	14 59	2 1	19 47	0 39	5 36
T 25	1 33	20 57	5 9	4 50	2 5	1 54	1 26	19 0	1 7	22 34	0 33	15 1	2 0	19 48	0 39	5 36
F 26	1 57	16 49	5 1	4 3	2 1	1 24	1 25	18 49	1 8	22 34	0 33	15 3	2 0	19 48	0 39	5 37
S 27	2 20	12 3	4 40	3 14	1 57	0 54	1 25	18 37	1 8	22 33	0 33	15 5	2 0	19 48	0 39	5 38
S 28	2 44	6 53	4 7	2 25	1 52	0 23	1 24	18 26	1 9	22 33	0 33	15 7	2 0	19 48	0 39	5 39
M29	3 7	1 30	3 23	1 34	1 47	0n 7	1 24	18 14	1 10	22 33	0 33	15 9	2 0	19 48	0 39	5 40
T 30	3 30	3s56	2 31	0 42	1 41	0 37	1 23	18 2	1 11	22 32	0 33	15 11	2 0	19 48	0 39	5 41
W31	3n54	9s15	1n32	0n10	1s35	1n 7	1s22	17s50	1s12	22n32	0n33	15n13	1s59	19n49	0n39	5n42

Julian Day Number = 2344222.5, Delta T = 12.42 sec
 Ecliptic obliquity = 23°28'46", Nutation = - 0°00'12", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°38'18", Lahiri = 19°45'19"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1706

geocentric

APRIL 1706

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 35 30	10°48'05	9°33'	6°4'	7°13'	14°38'	20°2	17°46'	4°R26	18°23'	19°R 2	14°D45	16°33'	10°43'	0°23'	T 1
F 2	12 39 27	11°47'06	21°28'	8°4'	8°27'	15°23'	20°5	17°53'	4°25'	18°25'	19°2	14°45'	16°30'	10°50'	0°23'	F 2
S 3	12 43 23	12°46'06	3°31'	10°5'	9°41'	16°8'	20°8	17°59'	4°25'	18°28'	19°1	14°46'	16°27'	10°57'	0°24'	S 3
S 4	12 47 20	13°45'03	15°45'	12°8'	10°56'	16°53'	20°12	18°6'	4°24'	18°30'	19°0	14°48'	16°23'	11°3'	0°24'	S 4
M 5	12 51 17	14°43'59	28°15'	14°11'	12°10'	17°38'	20°15	18°13'	4°24'	18°32'	18°59'	14°50'	16°20'	11°10'	0°25'	M 5
T 6	12 55 13	15°42'54	11°3'	16°16'	13°24'	18°23'	20°19	18°20'	4°24'	18°34'	18°59'	14°R50	16°17'	11°17'	0°25'	T 6
W 7	12 59 10	16°41'46	24°15'	18°21'	14°39'	19°8'	20°23	18°27'	4°23'	18°37'	18°58'	14°50'	16°14'	11°23'	0°25'	W 7
T 8	13 3 6	17°40'37	7°53'	20°27'	15°53'	19°53'	20°27	18°34'	4°23'	18°39'	18°57'	14°49'	16°11'	11°30'	0°26'	T 8
F 9	13 7 3	18°39'26	21°58'	22°33'	17°7'	20°38'	20°31	18°41'	4°23'	18°41'	18°57'	14°46'	16°7'	11°37'	0°R26	F 9
S 10	13 10 59	19°38'14	6°29'	24°39'	18°22'	21°23'	20°35	18°48'	4°23'	18°43'	18°56'	14°43'	16°4'	11°43'	0°26'	S 10
S 11	13 14 56	20°36'59	21°22'	26°45'	19°36'	22°8'	20°40	18°55'	4°23'	18°46'	18°56'	14°40'	16°1'	11°50'	0°25'	S 11
M 12	13 18 52	21°35'43	6°29'	28°51'	20°50'	22°53'	20°45	19°3'	4°D23	18°48'	18°55'	14°37'	15°58'	11°57'	0°25'	M 12
T 13	13 22 49	22°34'24	21°43'	0°56'	22°5'	23°38'	20°50	19°10'	4°23'	18°50'	18°54'	14°35'	15°55'	12°3'	0°25'	T 13
W 14	13 26 46	23°33'04	6°51'	3°0'	23°19'	24°23'	20°55	19°17'	4°23'	18°52'	18°54'	14°34'	15°52'	12°10'	0°25'	W 14
T 15	13 30 42	24°31'42	21°47'	5°3'	24°33'	25°8'	21°0	19°24'	4°23'	18°55'	18°53'	14°D34	15°48'	12°17'	0°24'	T 15
F 16	13 34 39	25°30'18	6°21'	7°4'	25°47'	25°53'	21°5	19°32'	4°23'	18°57'	18°53'	14°34'	15°45'	12°23'	0°24'	F 16
S 17	13 38 35	26°28'52	20°30'	9°3'	27°1'	26°38'	21°11	19°39'	4°23'	18°59'	18°53'	14°36'	15°42'	12°30'	0°23'	S 17
S 18	13 42 32	27°27'23	4°13'	10°59'	28°16'	27°23'	21°17	19°46'	4°24'	19°1'	18°52'	14°37'	15°39'	12°37'	0°22'	S 18
M 19	13 46 28	28°25'53	17°29'	12°54'	29°30'	28°8'	21°23	19°54'	4°24'	19°4'	18°52'	14°38'	15°36'	12°43'	0°21'	M 19
T 20	13 50 25	29°24'20	0°22'	14°45'	0°44'	28°53'	21°29	20°1'	4°24'	19°6'	18°52'	14°R38	15°33'	12°50'	0°20'	T 20
W 21	13 54 21	0°22'45	12°55'	16°33'	1°58'	29°38'	21°35	20°9'	4°25'	19°8'	18°51'	14°38'	15°29'	12°57'	0°19'	W 21
T 22	13 58 18	1°21'08	25°11'	18°17'	3°12'	0°23'	21°41	20°16'	4°25'	19°10'	18°51'	14°37'	15°26'	13°3'	0°18'	T 22
F 23	14 2 15	2°19'28	7°16'	19°58'	4°26'	1°8'	21°47	20°24'	4°26'	19°13'	18°51'	14°35'	15°23'	13°10'	0°17'	F 23
S 24	14 6 11	3°17'47	19°11'	21°36'	5°40'	1°53'	21°54	20°31'	4°27'	19°15'	18°51'	14°34'	15°20'	13°17'	0°16'	S 24
S 25	14 10 8	4°16'03	1°2'	23°9'	6°54'	2°38'	22°1	20°39'	4°27'	19°17'	18°50'	14°32'	15°17'	13°23'	0°14'	S 25
M 26	14 14 4	5°14'18	12°51'	24°38'	8°8'	3°23'	22°8	20°46'	4°28'	19°19'	18°50'	14°31'	15°13'	13°30'	0°13'	M 26
T 27	14 18 1	6°12'31	24°40'	26°4'	9°22'	4°7'	22°15	20°54'	4°29'	19°21'	18°50'	14°30'	15°10'	13°37'	0°11'	T 27
W 28	14 21 57	7°10'42	6°33'	27°24'	10°36'	4°52'	22°22	21°1'	4°30'	19°24'	18°50'	14°29'	15°7'	13°43'	0°10'	W 28
T 29	14 25 54	8°8'51	18°31'	28°41'	11°50'	5°37'	22°29	21°9'	4°30'	19°26'	18°50'	14°D29	15°4'	13°50'	0°8'	T 29
F 30	14 29 50	9°8'59	0°35'	29°53'	13°8'	6°22'	22°36	21°17'	4°31'	19°28'	18°50'	14°29'	15°1'	13°57'	0°6'	F 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
T 1	4n17	14s15	0n28	1n 3	1s28	1n37	1s22	17s37	1s12	22n32	0n33	15n15	1s59	19n49	0n39	5n42	1s38	24n35	9n58	16n17	16n49	1s28	17s21	6n 7			
F 2	4 40	18 45	0s37	1 58	1 21	2 7	1 21	17 25	1 13	22 31	0 33	15 17	1 59	19 49	0 39	5 43	1 38	24 35	9 58	16 17	16 48	1 32	17 21	6 8			
S 3	5 3	22 33	1 41	2 52	1 14	2 37	1 20	17 12	1 14	22 31	0 33	15 19	1 59	19 49	0 39	5 44	1 38	24 35	9 58	16 18	16 47	1 35	17 20	6 9			
S 4	5 26	25 24	2 42	3 48	1 5	3 7	1 19	16 59	1 15	22 30	0 33	15 21	1 59	19 49	0 39	5 45	1 38	24 35	9 58	16 18	16 46	1 38	17 19	6 9			
M 5	5 49	27 4	3 36	4 44	0 57	3 37	1 18	16 47	1 16	22 30	0 33	15 23	1 59	19 49	0 39	5 46	1 38	24 35	9 58	16 19	16 45	1 42	17 19	6 10			
T 6	6 12	27 21	4 21	5 40	0 48	4 7	1 17	16 33	1 17	22 29	0 33	15 25	1 58	19 49	0 39	5 47	1 38	24 36	9 57	16 19	16 44	1 45	17 18	6 11			
W 7	6 34	26 7	4 54	6 37	0 38	4 37	1 16	16 20	1 17	22 28	0 33	15 27	1 58	19 49	0 39	5 48	1 38	24 36	9 57	16 19	16 43	1 48	17 17	6 11			
T 8	6 57	23 21	5 12	7 34	0 28	5 7	1 15	16 7	1 18	22 28	0 33	15 29	1 58	19 49	0 39	5 48	1 38	24 36	9 57	16 19	16 42	1 51	17 17	6 12			
F 9	7 19	19 7	5 12	8 31	0 18	5 37	1 13	15 53	1 19	22 27	0 33	15 31	1 58	19 49	0 39	5 49	1 38	24 36	9 57	16 18	16 41	1 55	17 16	6 13			
S 10	7 42	13 40	4 52	9 27	0 7	6 6	1 12	15 39	1 20	22 27	0 33	15 33	1 58	19 49	0 38	5 50	1 38	24 36	9 57	16 17	16 41	1 58	17 15	6 13			
S 11	8 4	7 17	4 12	10 23	0n 3	6 35	1 11	15 25	1 20	22 26	0 33	15 36	1 58	19 49	0 38	5 51	1 38	24 36	9 56	16 16	16 40	2 1	17 15	6 14			
M 12	8 26	0 24	3 15	11 18	0 14	7 5	1 9	15 11	1 21	22 25	0 33	15 38	1 57	19 49	0 38	5 52	1 38	24 36	9 56	16 15	16 39	2 4	17 14	6 15			
T 13	8 48	6n35	2 3	12 13	0 25	7 34	1 8	14 57	1 22	22 24	0 33	15 40	1 57	19 49	0 38	5 53	1 38	24 36	9 56	16 14	16 38	2 8	17 13	6 15			
W 14	9 10	13 10	0 42	13 6	0 36	8 3	1 6	14 43	1 23	22 24	0 33	15 42	1 57	19 49	0 38	5 54	1 38	24 36	9 56	16 14	16 37	2 11	17 13	6 16			
T 15	9 31	18 53	0n40	13 58	0 47	8 31	1 5	14 29	1 24	22 23	0 33	15 44	1 57	19 49	0 38	5 54	1 38	24 36	9 56	16 14	16 36	2 14	17 12	6 17			
F 16	9 53	23 20	1 58	14 49	0 58	9 0	1 3	14 14	1 24	22 22	0 33	15 46	1 57	19 49	0 38	5 55	1 38	24 36	9 56	16 14	16 35	2 18	17 11	6 17			
S 17	10 14	26 14	3 6	15 37	1 9	9 28	1 2	13 59	1 25	22 21	0 33	15 48	1 57	19 49	0 38	5 56	1 38	24 36	9 55	16 15	16 34	2 21	17 11	6 18			
S 18	10 35	27 26	4 1	16 24	1 19	9 56	1 0	13 45	1 26	22 20	0 33	15 50	1 57	19 49	0 38	5 57	1 38	24 35	9 55	16 15	16 33	2 24	17 10	6 19			
M 19	10 56	26 59	4 42	17 9	1 29	10 24	0 58	13 30	1 27	22 19	0 33	15 52	1 57	19 49	0 38	5 58	1 38	24 35	9 55	16 15	16 32	2 27	17 9	6 19			
T 20	11 17	25 6	5 7	17 52	1 39	10 52	0 56	13 15	1 27	22 18	0 33	15 54	1 56	19 49	0 38	5 59	1 38	24 35	9 55	16 15	16 31	2 31	17 9	6 20			
W 21	11 37	22 1	5 16	18 32	1 48	11 19	0 55	13 0	1 28	22 17	0 33	15 56	1 56	19 48	0 38	5 59	1 38	24 35	9 55	16 15	16 30	2 34	17 8	6 21			
T 22	11 58	18 1	5 11	19 10	1 56	11 46	0 53	12 44	1 29	22 16	0 33	15 59	1 56	19 48	0 38	6 0	1 38	24 35	9 54	16 15	16 29	2 37	17 8	6 21			
F 23	12 18	13 22	4 52	19 45	2 4	12 13	0 51	12 29	1 30	22 15	0 33	16 1	1 56	19 48	0 38	6 1	1 38	24 35	9 54	16 14	16 29	2 40	17 7	6 22			
S 24	12 38	8 17	4 21	20 18	2 11	12 40	0 49	12 14	1 30	22 14	0 33	16 3	1 56	19 48	0 38	6 2	1 38	24 35	9 54	16 14	16 28	2 44	17 6	6 22			
S 25	12 58	2 55	3 38	20 49	2 17	13 6	0 47	11 58	1 31	22 13	0 33	16 5	1 56	19 48	0 38	6 3	1 38	24 35	9 54	16 14	16 27	2 47	17 6	6 23			
M 26	13 17	2s32	2 47	21 16	2 23	13 32	0 45	11 43	1 32	22 12	0 33	16 7	1 56	19 48	0 38	6 4	1 38	24 35	9 54	16 13	16 26	2 50	17 5	6 24			
T 27	13 37	7 54	1 48	21 42	2 28	13 58	0 43	11 27	1 33	22 11	0 33	16 9	1 56	19 47	0 38	6 4	1 38	24 34	9 53	16 13	16 25	2 54	17 4	6 24			
W 28	13 56	13 2	0 44	22 4	2 32	14 23	0 41	11 11	1 33	22 10	0 33	16 11	1 56	19 47	0 38	6 5	1 38	24 34	9 53	16 13	16 24	2 57	17 4	6 25			
T 29	14 15	17 43	0s22	22 25	2 35	14 28	0 39	10 55	1 34	22 9	0 33	16 13	1 56	19 47	0 38	6 6	1 38	24 34	9 53	16 13	16 23	3 0	17 3	6 26			
F 30	14n33	21s45	1s28	22n43	2n37	15n12	0s37	10s39	1s35	22n 7	0n33	16n15	1s55	19n47	0n38	6n 7	1s38	24n34	9n53	16n13	16n22	3s 3	17s 3	6n26			

ASTRODIENST EPHEMERIS for the year 1706

geocentric

MAY 1706

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	14 33 47	10♈ 5'05	12♌ 49	1♊ 1	14♋ 18	7♌ 7	22♍ 44	21♎ 24	4♏ 32	19♐ 30	18♑ D50	14♒ 30	14♓ 58	14♈ 3	0°R 5	S 1
S 2	14 37 44	11° 3'09	25°15	2° 4	15°32	7°52	22°52	21°32	4°33	19°32	18♑ D50	14°30	14°54	14°10	0♈ 3	S 2
M 3	14 41 40	12° 1'12	7♌ 54	3° 2	16°46	8°37	22°59	21°40	4°34	19°34	18°50	14°31	14°51	14°17	0° 1	M 3
T 4	14 45 37	12°59'14	20°49	3°56	18° 0	9°22	23° 7	21°47	4°36	19°37	18°50	14°31	14°48	14°23	29♌ 59	T 4
W 5	14 49 33	13°57'14	4♌ 3	4°45	19°14	10° 6	23°15	21°55	4°37	19°39	18°50	14°31	14°45	14°30	29°56	W 5
T 6	14 53 30	14°55'13	17°37	5°29	20°28	10°51	23°24	22° 3	4°38	19°41	18°50	14°31	14°42	14°37	29°54	T 6
F 7	14 57 26	15°53'11	1♌ 32	6° 8	21°42	11°36	23°32	22°11	4°39	19°43	18°50	14°31	14°38	14°43	29°52	F 7
S 8	15 1 23	16°51'07	15°48	6°42	22°55	12°21	23°40	22°18	4°41	19°45	18°51	14°31	14°35	14°50	29°50	S 8
S 9	15 5 19	17°49'02	0♌ 22	7°11	24° 9	13° 5	23°49	22°26	4°42	19°47	18°51	14°31	14°32	14°57	29°47	S 9
M10	15 9 16	18°46'56	15°11	7°36	25°23	13°50	23°57	22°34	4°44	19°49	18°51	14°32	14°29	15° 3	29°45	M10
T 11	15 13 13	19°44'48	0♌ 8	7°55	26°37	14°35	24° 6	22°42	4°45	19°51	18°51	14°32	14°26	15°10	29°42	T 11
W12	15 17 9	20°42'39	15° 6	8° 9	27°51	15°19	24°15	22°49	4°47	19°53	18°52	14°R32	14°23	15°17	29°39	W12
T 13	15 21 6	21°40'29	29°55	8°19	29° 5	16° 4	24°24	22°57	4°48	19°55	18°52	14°32	14°19	15°23	29°37	T 13
F 14	15 25 2	22°38'17	14♌ 30	8°R23	0♌ 18	16°49	24°33	23° 5	4°50	19°57	18°52	14°31	14°16	15°30	29°34	F 14
S 15	15 28 59	23°36'04	28°43	8°23	1°32	17°33	24°42	23°13	4°51	19°59	18°53	14°30	14°13	15°37	29°31	S 15
S 16	15 32 55	24°33'50	12♌ 32	8°17	2°46	18°18	24°52	23°21	4°53	20° 1	18°53	14°29	14°10	15°43	29°28	S 16
M17	15 36 52	25°31'33	25°55	8° 8	4° 0	19° 2	25° 1	23°28	4°55	20° 3	18°54	14°28	14° 7	15°50	29°25	M17
T 18	15 40 48	26°29'15	8♌ 54	7°54	5°14	19°47	25°11	23°36	4°57	20° 5	18°54	14°27	14° 4	15°57	29°22	T 18
W19	15 44 45	27°26'56	21°30	7°36	6°27	20°31	25°20	23°44	4°59	20° 7	18°54	14°26	14° 0	16° 3	29°19	W19
T 20	15 48 42	28°24'34	3♌ 47	7°15	7°41	21°15	25°30	23°52	5° 1	20° 9	18°55	14°D26	13°57	16°10	29°16	T 20
F 21	15 52 38	29°22'12	15°51	6°50	8°55	22° 0	25°40	23°59	5° 3	20°10	18°56	14°27	13°54	16°17	29°13	F 21
S 22	15 56 35	0♌ 19'48	27°45	6°22	10° 8	22°44	25°50	24° 7	5° 5	20°12	18°56	14°28	13°51	16°23	29° 9	S 22
S 23	16 0 31	1°17'22	9♌ 34	5°53	11°22	23°28	26° 0	24°15	5° 7	20°14	18°57	14°29	13°48	16°30	29° 6	S 23
M24	16 4 28	2°14'55	21°23	5°21	12°36	24°12	26°10	24°23	5° 9	20°16	18°57	14°31	13°44	16°37	29° 3	M24
T 25	16 8 24	3°12'26	3♌ 15	4°48	13°49	24°57	26°20	24°30	5°11	20°18	18°58	14°32	13°41	16°43	28°59	T 25
W26	16 12 21	4° 9'57	15°13	4°14	15° 3	25°41	26°30	24°38	5°13	20°19	18°59	14°R32	13°38	16°50	28°56	W26
T 27	16 16 17	5° 7'26	27°20	3°40	16°17	26°25	26°41	24°46	5°15	20°21	18°59	14°32	13°35	16°57	28°52	T 27
F 28	16 20 14	6° 4'54	9♌ 38	3° 7	17°30	27° 9	26°51	24°53	5°18	20°23	19° 0	14°30	13°32	17° 3	28°49	F 28
S 29	16 24 11	7° 2'22	22° 9	2°35	18°44	27°53	27° 2	25° 1	5°20	20°25	19° 1	14°28	13°29	17°10	28°45	S 29
S 30	16 28 7	7°59'48	4♌ 52	2° 4	19°57	28°37	27°12	25° 9	5°22	20°26	19° 2	14°24	13°25	17°16	28°42	S 30
M31	16 32 4	8♌ 57'14	17♌ 49	1♌ 36	21♌ 11	29♌ 21	27♌ 23	25♌ 16	5♌ 25	20♌ 28	19♌ 3	14♌ 21	13♌ 22	17♌ 23	28♌ 38	M31

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
S 1	14n52	24s52	2s31	22n58	2n38	15n37	0s34	10s23	1s35	22n 6	0n33	16n17	1s55	19n46	0n38	6n 8	1s38	24n34	9n53	16n13	16n21	3s 7	17s 2	6n27	
S 2	15 10	26 51	3 28	23 11	2 38	16 0	0 32	10 7	1 36	22 5	0 33	16 19	1 55	19 46	0 38	6 8	1 38	24 34	9 52	16 13	16 20	3 10	17 1	6 27	
M 3	15 28	27 29	4 15	23 22	2 37	16 24	0 30	9 51	1 37	22 4	0 33	16 21	1 55	19 46	0 38	6 9	1 38	24 33	9 52	16 13	16 19	3 13	17 1	6 28	
T 4	15 46	26 39	4 51	23 30	2 35	16 47	0 28	9 35	1 37	22 2	0 33	16 23	1 55	19 45	0 38	6 10	1 38	24 33	9 52	16 13	16 18	3 17	17 0	6 28	
W 5	16 3	24 20	5 12	23 37	2 32	17 9	0 26	9 18	1 38	22 1	0 33	16 25	1 55	19 45	0 38	6 11	1 38	24 33	9 52	16 13	16 17	3 20	17 0	6 29	
T 6	16 20	20 36	5 17	23 41	2 28	17 31	0 23	9 2	1 39	22 0	0 33	16 28	1 55	19 45	0 38	6 11	1 39	24 33	9 51	16 13	16 16	3 23	16 59	6 30	
F 7	16 37	15 40	5 4	23 43	2 23	17 53	0 21	8 45	1 39	21 58	0 33	16 30	1 55	19 44	0 38	6 12	1 39	24 32	9 51	16 13	16 15	3 26	16 59	6 30	
S 8	16 54	9 47	4 32	23 43	2 17	18 14	0 19	8 29	1 40	21 57	0 33	16 32	1 55	19 44	0 38	6 13	1 39	24 32	9 51	16 13	16 15	3 30	16 58	6 31	
S 9	17 10	3 14	3 41	23 40	2 9	18 35	0 16	8 12	1 41	21 55	0 33	16 34	1 55	19 44	0 38	6 14	1 39	24 32	9 51	16 13	16 14	3 33	16 58	6 31	
M10	17 26	3n36	2 36	23 36	2 1	18 55	0 14	7 56	1 41	21 54	0 33	16 36	1 55	19 43	0 38	6 14	1 39	24 32	9 51	16 13	16 13	3 36	16 57	6 32	
T 11	17 42	10 18	1 19	23 30	1 52	19 15	0 12	7 39	1 42	21 52	0 33	16 38	1 55	19 43	0 38	6 15	1 39	24 31	9 50	16 14	16 12	3 39	16 56	6 32	
W12	17 58	16 26	0n 3	23 22	1 41	19 34	0 9	7 22	1 43	21 51	0 33	16 40	1 55	19 43	0 38	6 16	1 39	24 31	9 50	16 14	16 11	3 43	16 56	6 33	
T 13	18 13	21 33	1 24	23 12	1 30	19 53	0 7	7 5	1 43	21 49	0 33	16 42	1 55	19 42	0 38	6 17	1 39	24 31	9 50	16 13	16 10	3 46	16 55	6 33	
F 14	18 28	25 12	2 39	23 1	1 18	20 11	0 4	6 49	1 44	21 47	0 33	16 44	1 54	19 42	0 38	6 17	1 39	24 30	9 50	16 13	16 9	3 49	16 55	6 34	
S 15	18 42	27 10	3 41	22 48	1 4	20 28	0 2	6 32	1 44	21 46	0 33	16 46	1 54	19 41	0 38	6 18	1 39	24 30	9 50	16 13	16 8	3 53	16 54	6 34	
S 16	18 57	27 21	4 29	22 33	0 50	20 45	0n 0	6 15	1 45	21 44	0 33	16 48	1 54	19 41	0 37	6 19	1 39	24 30	9 49	16 13	16 7	3 56	16 54	6 35	
M17	19 10	25 55	5 0	22 16	0 35	21 2	0 3	5 58	1 46	21 43	0 33	16 50	1 54	19 40	0 37	6 19	1 39	24 29	9 49	16 12	16 6	3 59	16 53	6 35	
T 18	19 24	23 8	5 15	21 59	0 19	21 18	0 5	5 41	1 46	21 41	0 33	16 52	1 54	19 40	0 37	6 20	1 39	24 29	9 49	16 12	16 5	4 2	16 53	6 36	
W19	19 37	19 19	5 14	21 40	0 3	21 33	0 8	5 24	1 47	21 39	0 33	16 53	1 54	19 40	0 37	6 21	1 39	24 29	9 49	16 12	16 4	4 6	16 52	6 36	
T 20	19 50	14 46	4 59	21 19	0s14	21 48	0 10	5 7	1 47	21 37	0 33	16 55	1 54	19 39	0 37	6 22	1 39	24 28	9 49	16 12	16 3	4 9	16 52	6 37	
F 21	20 3	9 45	4 31	20 58	0 31	22 2	0 13	4 50	1 48	21 35	0 33	16 57	1 54	19 39	0 37	6 22	1 39	24 28	9 48	16 12	16 2	4 12	16 52	6 37	
S 22	20 15	4 25	3 51	20 37	0 49	22 15	0 15	4 33	1 48	21 34	0 33	16 59	1 54	19 38	0 37	6 23	1 39	24 28	9 48	16 12	16 1	4 15	16 51	6 37	
S 23	20 27	1s 1	3 2	20 14	1 6	22 28	0 17	4 16	1 49	21 32	0 33	17 1	1 54	19 37	0 37	6 23	1 39	24 27	9 48	16 13	16 0	4 19	16 51	6 38	
M24	20 39	6 26	2 5	19 51	1 24	22 40	0 20	3 59	1 50	21 30	0 33	17 3	1 54	19 37	0 37	6 24	1 39	24 27	9 48	16 13	15 59	4 22	16 50	6 38	
T 25	20 50	11 39	1 2	19 29	1 41	22 52	0 22	3 42	1 50	21 28	0 33	17 5	1 54	19 36	0 37	6 25	1 39	24 26	9 48	16 13	15 58	4 25	16 50	6 39	
W26	21 1	16 29	0s 4	19 6	1 58	23 3	0 25	3 25	1 51	21 26	0 33	17 7	1 54	19 36	0 37	6 25	1 39	24 26	9 47	16 14	15 57	4 29	16 49	6 39	
T 27	21 11	20 44	1 10	18 44	2 14	23 13	0 27	3 8	1 51	21 24	0 33	17 9	1 54	19 35	0 37	6 26	1 39	24 26	9 47	16 13	15 57	4 32	16 49	6 39	
F 28	21 22	24 8	2 14	18 22	2 30	23 23	0 29	2 51	1 52	21 22	0 33	17 11	1 54	19 35	0 37	6 27	1 39	24 25	9 47	16 13	15 56	4 35	16 49	6 40	
S 29	21 31	26 27	3 13	18 2	2 44	23 32	0 32	2 33	1 52	21 20	0 33	17 12	1 54	19 34	0 37	6 27	1 39	24 25	9 47	16 12	15 55	4 38	16 48	6 40	
S 30	21 41	27 26	4 2	17 42	2 58	23 40	0 34	2 16	1 53	21 18	0 33	17 14	1 54	19 34	0 37	6 28	1 39	24 24	9 47	16 11	15 54	4 42	16 48	6 41	
M31	21n50	26s56	4s41	17n24	3s11	23n47	0n36	1s59	1s53	21n16	0n33	17n16	1s54	19n33	0n37	6n28	1s39	24n24	9n46	16n10	15n53	4s45	16s47	6n41	

ASTRODIENST EPHEMERIS for the year 1706
geocentric

JUNE 1706

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 0	9II54'38	1≈ 0	1°R10	22II24	0Y 5	27☾34	25☾24	5☾27	20Y30	19☾ 3	14°R17	13☾19	17☾30	28°R34	T 1
W 2	16 39 57	10°52'02	14°26	0II47	23°38	0°48	27°45	25°31	5°29	20°31	19° 4	14☾14	13°16	17°36	28☾31	W 2
T 3	16 43 53	11°49'26	28° 5	0°27	24°52	1°32	27°55	25°39	5°32	20°33	19° 5	14°12	13°13	17°43	28°27	T 3
F 4	16 47 50	12°46'48	11☾58	0°11	26° 5	2°16	28° 7	25°47	5°35	20°34	19° 6	14°D12	13°10	17°50	28°23	F 4
S 5	16 51 46	13°44'11	26° 3	29☾59	27°19	3° 0	28°18	25°54	5°37	20°36	19° 7	14°12	13° 6	17°56	28°19	S 5
S 6	16 55 43	14°41'32	10Y21	29°52	28°32	3°43	28°29	26° 2	5°40	20°37	19° 8	14°13	13° 3	18° 3	28°15	S 6
M 7	16 59 40	15°38'53	24°48	29°D48	29°46	4°27	28°40	26° 9	5°42	20°39	19° 9	14°15	13° 0	18°10	28°11	M 7
T 8	17 3 36	16°36'14	9☾22	29°49	0☾59	5°10	28°51	26°17	5°45	20°40	19°10	14°R15	12°57	18°16	28° 8	T 8
W 9	17 7 33	17°33'35	23°56	29°55	2°13	5°53	29° 3	26°24	5°48	20°42	19°11	14°15	12°54	18°23	28° 4	W 9
T 10	17 11 29	18°30'54	8II27	0II 5	3°26	6°37	29°14	26°32	5°51	20°43	19°12	14°13	12°50	18°30	28° 0	T 10
F 11	17 15 26	19°28'14	22°47	0°19	4°40	7°20	29°26	26°39	5°53	20°45	19°13	14°10	12°47	18°36	27°56	F 11
S 12	17 19 22	20°25'32	6☾52	0°39	5°53	8° 3	29°37	26°46	5°56	20°46	19°14	14° 5	12°44	18°43	27°52	S 12
S 13	17 23 19	21°22'50	20°37	1° 2	7° 6	8°46	29°49	26°54	5°59	20°47	19°15	13°59	12°41	18°50	27°48	S 13
M14	17 27 16	22°20'07	4☾ 0	1°30	8°20	9°29	0☾ 0	27° 1	6° 2	20°49	19°17	13°53	12°38	18°56	27°44	M14
T 15	17 31 12	23°17'24	16°59	2° 3	9°33	10°12	0°12	27° 8	6° 5	20°50	19°18	13°48	12°35	19° 3	27°40	T 15
W16	17 35 9	24°14'40	29°37	2°40	10°47	10°55	0°24	27°15	6° 8	20°51	19°19	13°44	12°31	19°10	27°36	W16
T 17	17 39 5	25°11'55	11☾56	3°21	12° 0	11°38	0°36	27°23	6°11	20°52	19°20	13°41	12°28	19°16	27°32	T 17
F 18	17 43 2	26° 9'09	24° 0	4° 7	13°13	12°21	0°48	27°30	6°14	20°54	19°22	13°D40	12°25	19°23	27°28	F 18
S 19	17 46 58	27° 6'22	5☾55	4°56	14°27	13° 3	1° 0	27°37	6°17	20°55	19°23	13°40	12°22	19°30	27°24	S 19
S 20	17 50 55	28° 3'35	17°44	5°50	15°40	13°46	1°12	27°44	6°20	20°56	19°24	13°42	12°19	19°36	27°20	S 20
M21	17 54 51	29° 0'48	29°34	6°48	16°53	14°28	1°24	27°51	6°23	20°57	19°25	13°43	12°16	19°43	27°16	M21
T 22	17 58 48	29°58'00	11☾29	7°49	18° 7	15°11	1°36	27°58	6°26	20°58	19°27	13°R44	12°12	19°50	27°12	T 22
W23	18 2 45	0☾55'11	23°33	8°55	19°20	15°53	1°48	28° 5	6°29	20°59	19°28	13°43	12° 9	19°56	27° 8	W23
T 24	18 6 41	1°52'22	5☾49	10° 4	20°33	16°35	2° 1	28°12	6°33	21° 0	19°29	13°41	12° 6	20° 3	27° 4	T 24
F 25	18 10 38	2°49'33	18°21	11°18	21°47	17°17	2°13	28°19	6°36	21° 1	19°31	13°37	12° 3	20°10	27° 0	F 25
S 26	18 14 34	3°46'44	1☾10	12°35	23° 0	17°59	2°25	28°26	6°39	21° 2	19°32	13°30	12° 0	20°16	26°56	S 26
S 27	18 18 31	4°43'54	14°15	13°56	24°13	18°41	2°38	28°33	6°42	21° 3	19°34	13°22	11°56	20°23	26°52	S 27
M28	18 22 27	5°41'05	27°35	15°20	25°26	19°23	2°50	28°39	6°46	21° 4	19°35	13°14	11°53	20°30	26°48	M28
T 29	18 26 24	6°38'15	11≈ 9	16°48	26°39	20° 5	3° 2	28°46	6°49	21° 5	19°37	13° 5	11°50	20°36	26°44	T 29
W30	18 30 20	7☾35'26	24≈55	18II20	27☾53	20Y46	3☾15	28☾53	6☾52	21Y 6	19☾38	12☾58	11☾47	20☾43	26☾40	W30

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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
T 1	21n58	24s56	5s 5	17n 7	3s22	23n54	0n39	1s42	1s54	21n14	0n33	17n18	1s54	19n32	0n37	6n29	1s39	24n23	9n46	16n 9	15n52	4s48	16s47	6n41	
W 2	22 7	21 32	5 14	16 53	3 33	24 0	0 41	1 25	1 54	21 12	0 34	17 20	1 54	19 32	0 37	6 30	1 39	24 23	9 46	16 8	15 51	4 52	16 47	6 42	
T 3	22 15	16 55	5 5	16 40	3 42	24 6	0 43	1 8	1 54	21 10	0 34	17 21	1 54	19 31	0 37	6 30	1 40	24 22	9 46	16 8	15 50	4 55	16 46	6 42	
F 4	22 22	11 22	4 38	16 29	3 50	24 10	0 45	0 51	1 55	21 7	0 34	17 23	1 54	19 30	0 37	6 31	1 40	24 22	9 46	16 7	15 49	4 58	16 46	6 42	
S 5	22 29	5 9	3 54	16 20	3 56	24 15	0 47	0 34	1 55	21 5	0 34	17 25	1 54	19 30	0 37	6 31	1 40	24 21	9 45	16 8	15 48	5 1	16 46	6 42	
S 6	22 36	1n25	2 55	16 13	4 2	24 18	0 50	0 17	1 56	21 3	0 34	17 27	1 54	19 29	0 37	6 32	1 40	24 21	9 45	16 8	15 47	5 5	16 45	6 43	
M 7	22 42	8 0	1 45	16 8	4 6	24 20	0 52	0 0	1 56	21 1	0 34	17 29	1 54	19 28	0 37	6 32	1 40	24 20	9 45	16 8	15 46	5 8	16 45	6 43	
T 8	22 48	14 13	0 27	16 6	4 9	24 22	0 54	0n16	1 56	20 58	0 34	17 30	1 54	19 28	0 37	6 33	1 40	24 20	9 45	16 9	15 45	5 11	16 45	6 43	
W 9	22 54	19 38	0n53	16 5	4 10	24 23	0 56	0 33	1 57	20 56	0 34	17 32	1 54	19 27	0 37	6 33	1 40	24 19	9 45	16 9	15 44	5 14	16 45	6 43	
T 10	22 59	23 52	2 8	16 7	4 11	24 24	0 58	0 50	1 57	20 54	0 34	17 34	1 54	19 26	0 37	6 34	1 40	24 19	9 45	16 8	15 43	5 18	16 44	6 44	
F 11	23 4	26 31	3 15	16 10	4 10	24 24	1 0	1 7	1 58	20 51	0 34	17 35	1 54	19 26	0 37	6 34	1 40	24 18	9 44	16 7	15 42	5 21	16 44	6 44	
S 12	23 8	27 26	4 8	16 16	4 9	24 23	1 2	1 24	1 58	20 49	0 34	17 37	1 54	19 25	0 37	6 35	1 40	24 18	9 44	16 6	15 41	5 24	16 44	6 44	
S 13	23 12	26 36	4 45	16 23	4 6	24 21	1 4	1 40	1 58	20 46	0 34	17 39	1 54	19 24	0 37	6 35	1 40	24 17	9 44	16 4	15 40	5 28	16 43	6 44	
M14	23 15	24 14	5 6	16 32	4 2	24 18	1 6	1 57	1 59	20 44	0 34	17 40	1 54	19 23	0 37	6 35	1 40	24 17	9 44	16 2	15 39	5 31	16 43	6 44	
T 15	23 19	20 41	5 10	16 43	3 58	24 15	1 7	2 13	1 59	20 42	0 34	17 42	1 54	19 23	0 37	6 36	1 40	24 16	9 44	16 0	15 38	5 34	16 43	6 45	
W16	23 21	16 17	4 59	16 56	3 52	24 11	1 9	2 30	1 59	20 39	0 34	17 43	1 54	19 22	0 37	6 36	1 40	24 16	9 44	15 59	15 37	5 37	16 43	6 45	
T 17	23 24	11 19	4 34	17 10	3 46	24 7	1 11	2 46	2 0	20 36	0 34	17 45	1 54	19 21	0 37	6 37	1 40	24 15	9 43	15 58	15 36	5 41	16 43	6 45	
F 18	23 25	6 1	3 57	17 25	3 39	24 1	1 13	3 3	2 0	20 34	0 34	17 47	1 54	19 20	0 37	6 37	1 40	24 15	9 43	15 58	15 35	5 44	16 42	6 45	
S 19	23 27	0 34	3 11	17 41	3 32	23 55	1 14	3 19	2 0	20 31	0 34	17 48	1 54	19 20	0 37	6 38	1 40	24 14	9 43	15 58	15 34	5 47	16 42	6 45	
S 20	23 28	4s52	2 16	17 59	3 23	23 49	1 16	3 35	2 0	20 29	0 34	17 50	1 54	19 19	0 37	6 38	1 40	24 14	9 43	15 59	15 33	5 50	16 42	6 45	
M21	23 29	10 9	1 16	18 17	3 14	23 41	1 17	3 52	2 1	20 26	0 34	17 51	1 54	19 18	0 37	6 38	1 40	24 13	9 43	15 59	15 32	5 54	16 42	6 45	
T 22	23 29	15 6	0 12	18 37	3 5	23 33	1 19	4 8	2 1	20 23	0 34	17 53	1 55	19 17	0 37	6 39	1 41	24 12	9 43	15 59	15 31	5 57	16 42	6 45	
W23	23 29	19 33	0s53	18 57	2 55	23 24	1 20	4 24	2 1	20 21	0 34	17 54	1 55	19 16	0 37	6 39	1 41	24 12	9 43	15 59	15 31	6 0	16 42	6 45	
T 24	23 28	23 13	1 56	19 17	2 44	23 15	1 22	4 40	2 1	20 18	0 34	17 56	1 55	19 16	0 37	6 39	1 41	24 11	9 42	15 58	15 30	6 3	16 41	6 45	
F 25	23 27	25 53	2 56	19 38	2 33	23 5	1 23	4 56	2 1	20 15	0 34	17 57	1 55	19 15	0 37	6 40	1 41	24 11	9 42	15 57	15 29	6 7	16 41	6 46	
S 26	23 26	27 15	3 47	20 0	2 22	22 54	1 24	5 12	2 2	20 13	0 34	17 59	1 55	19 14	0 37	6 40	1 41	24 10	9 42	15 55	15 28	6 10	16 41	6 46	
S 27	23 24	27 9	4 28	20 21	2 11	22 42	1 25	5 27	2 2	20 10	0 34	18 0	1 55	19 13	0 37	6 40	1 41	24 10	9 42	15 53	15 27	6 13	16 41	6 46	
M28	23 21	25 29	4 55	20 42	1 59	22 30	1 27	5 43	2 2	20 7	0 34	18 2	1 55	19 12	0 37	6 40	1 41	24 9	9 42	15 50	15 26	6 16	16 41	6 46	
T 29	23 19	22 21	5 6	21 3	1 47	22 18	1 28	5 59	2 2	20 4	0 34	18 3	1 55	19 11	0 37	6 41	1 41	24 8	9 42	15 48	15 25	6 20	16 41	6 46	
W30	23n16	17s56	4s59	21n24	1s34	22n 4	1n29	6n14	2s 2	20n 1	0n34	18n 4	1s55	19n11	0n37	6n41	1s41	24n 8	9n42	15n45	15n24	6s23	16s41	6n46	

ASTRODIENST EPHEMERIS for the year 1706
geocentric

JULY 1706

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 34 17	8 ^h 32'36	8 ^h 50	19 ^h 55	29 ^h 56	21 ^h 28	3 ^h 27	28 ^h 59	6 ^h 56	21 ^h 6	19 ^h 40	12 ^h R52	11 ^h 844	20 ^h 50	26 ^h R36	T 1
F 2	18 38 14	9 ^h 29'47	22 ^h 50	21 ^h 34	0 ^h 19	22 ^h 9	3 ^h 40	29 ^h 6	6 ^h 59	21 ^h 7	19 ^h 41	12 ^h 849	11 ^h 41	20 ^h 56	26 ^h 32	F 2
S 3	18 42 10	10 ^h 26'58	6 ^h 56	23 ^h 16	1 ^h 32	22 ^h 51	3 ^h 53	29 ^h 12	7 ^h 2	21 ^h 8	19 ^h 43	12 ^h D48	11 ^h 37	21 ^h 3	26 ^h 29	S 3
S 4	18 46 7	11 ^h 24'10	21 ^h 5	25 ^h 1	2 ^h 45	23 ^h 32	4 ^h 5	29 ^h 19	7 ^h 6	21 ^h 9	19 ^h 44	12 ^h 48	11 ^h 34	21 ^h 10	26 ^h 25	S 4
M 5	18 50 3	12 ^h 21'22	5 ^h 16	26 ^h 49	3 ^h 58	24 ^h 13	4 ^h 18	29 ^h 25	7 ^h 9	21 ^h 9	19 ^h 46	12 ^h R49	11 ^h 31	21 ^h 16	26 ^h 21	M 5
T 6	18 54 0	13 ^h 18'35	19 ^h 27	28 ^h 41	5 ^h 11	24 ^h 54	4 ^h 31	29 ^h 32	7 ^h 13	21 ^h 10	19 ^h 47	12 ^h 49	11 ^h 28	21 ^h 23	26 ^h 17	T 6
W 7	18 57 56	14 ^h 15'48	3 ^h 37	0 ^h 35	6 ^h 25	25 ^h 35	4 ^h 43	29 ^h 38	7 ^h 16	21 ^h 11	19 ^h 49	12 ^h 47	11 ^h 25	21 ^h 29	26 ^h 13	W 7
T 8	19 1 53	15 ^h 13'01	17 ^h 43	2 ^h 32	7 ^h 38	26 ^h 16	4 ^h 56	29 ^h 44	7 ^h 20	21 ^h 11	19 ^h 51	12 ^h 43	11 ^h 22	21 ^h 36	26 ^h 10	T 8
F 9	19 5 49	16 ^h 10'15	1 ^h 40	4 ^h 31	8 ^h 51	26 ^h 56	5 ^h 9	29 ^h 50	7 ^h 23	21 ^h 12	19 ^h 52	12 ^h 36	11 ^h 18	21 ^h 43	26 ^h 6	F 9
S 10	19 9 46	17 ^h 7'30	15 ^h 26	6 ^h 32	10 ^h 4	27 ^h 37	5 ^h 22	29 ^h 57	7 ^h 27	21 ^h 12	19 ^h 54	12 ^h 27	11 ^h 15	21 ^h 49	26 ^h 3	S 10
S 11	19 13 43	18 ^h 4'45	28 ^h 56	8 ^h 36	11 ^h 17	28 ^h 17	5 ^h 35	0 ^h 3	7 ^h 30	21 ^h 13	19 ^h 56	12 ^h 17	11 ^h 12	21 ^h 56	25 ^h 59	S 11
M 12	19 17 39	19 ^h 1'59	12 ^h 9	10 ^h 40	12 ^h 30	28 ^h 57	5 ^h 48	0 ^h 9	7 ^h 34	21 ^h 13	19 ^h 57	12 ^h 6	11 ^h 9	22 ^h 3	25 ^h 56	M 12
T 13	19 21 36	19 ^h 59'15	25 ^h 2	12 ^h 47	13 ^h 43	29 ^h 37	6 ^h 1	0 ^h 15	7 ^h 37	21 ^h 14	19 ^h 59	11 ^h 56	11 ^h 6	22 ^h 9	25 ^h 52	T 13
W 14	19 25 32	20 ^h 56'30	7 ^h 36	14 ^h 54	14 ^h 56	0 ^h 17	6 ^h 14	0 ^h 21	7 ^h 41	21 ^h 14	20 ^h 1	11 ^h 47	11 ^h 2	22 ^h 16	25 ^h 49	W 14
T 15	19 29 29	21 ^h 53'45	19 ^h 53	17 ^h 1	16 ^h 9	0 ^h 57	6 ^h 27	0 ^h 26	7 ^h 45	21 ^h 14	20 ^h 2	11 ^h 40	10 ^h 59	22 ^h 23	25 ^h 45	T 15
F 16	19 33 25	22 ^h 51'01	1 ^h 45	19 ^h 9	17 ^h 22	1 ^h 37	6 ^h 40	0 ^h 32	7 ^h 48	21 ^h 15	20 ^h 4	11 ^h 36	10 ^h 56	22 ^h 29	25 ^h 42	F 16
S 17	19 37 22	23 ^h 48'17	13 ^h 51	21 ^h 18	18 ^h 35	2 ^h 16	6 ^h 53	0 ^h 38	7 ^h 52	21 ^h 15	20 ^h 6	11 ^h 34	10 ^h 53	22 ^h 36	25 ^h 39	S 17
S 18	19 41 18	24 ^h 45'34	25 ^h 40	23 ^h 26	19 ^h 47	2 ^h 56	7 ^h 6	0 ^h 43	7 ^h 55	21 ^h 15	20 ^h 8	11 ^h D34	10 ^h 50	22 ^h 43	25 ^h 35	S 18
M 19	19 45 15	25 ^h 42'50	7 ^h 30	25 ^h 33	21 ^h 0	3 ^h 35	7 ^h 19	0 ^h 49	7 ^h 59	21 ^h 15	20 ^h 9	11 ^h R34	10 ^h 47	22 ^h 49	25 ^h 32	M 19
T 20	19 49 12	26 ^h 40'07	19 ^h 26	27 ^h 40	22 ^h 13	4 ^h 14	7 ^h 32	0 ^h 55	8 ^h 3	21 ^h 16	20 ^h 11	11 ^h 34	10 ^h 43	22 ^h 56	25 ^h 29	T 20
W 21	19 53 8	27 ^h 37'25	1 ^h 33	29 ^h 46	23 ^h 26	4 ^h 53	7 ^h 45	1 ^h 0	8 ^h 6	21 ^h 16	20 ^h 13	11 ^h 32	10 ^h 40	23 ^h 3	25 ^h 26	W 21
T 22	19 57 5	28 ^h 34'43	13 ^h 56	1 ^h 51	24 ^h 39	5 ^h 32	7 ^h 58	1 ^h 5	8 ^h 10	21 ^h 16	20 ^h 15	11 ^h 29	10 ^h 37	23 ^h 9	25 ^h 23	T 22
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S 24	20 4 58	0 ^h 29'20	9 ^h 42	5 ^h 57	27 ^h 4	6 ^h 49	8 ^h 24	1 ^h 16	8 ^h 17	21 ^h 16	20 ^h 18	11 ^h 14	10 ^h 31	23 ^h 23	25 ^h 17	S 24
S 25	20 8 54	1 ^h 26'40	23 ^h 6	7 ^h 58	28 ^h 17	7 ^h 27	8 ^h 37	1 ^h 21	8 ^h 21	21 ^h R16	20 ^h 20	11 ^h 3	10 ^h 28	23 ^h 29	25 ^h 14	S 25
M 26	20 12 51	2 ^h 24'01	6 ^h 50	9 ^h 58	29 ^h 30	8 ^h 5	8 ^h 50	1 ^h 26	8 ^h 25	21 ^h 16	20 ^h 22	10 ^h 51	10 ^h 24	23 ^h 36	25 ^h 12	M 26
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W 28	20 20 44	4 ^h 18'44	5 ^h 2	13 ^h 52	1 ^h 55	9 ^h 21	9 ^h 17	1 ^h 36	8 ^h 32	21 ^h 16	20 ^h 26	10 ^h 30	10 ^h 18	23 ^h 49	25 ^h 6	W 28
T 29	20 24 41	5 ^h 16'07	19 ^h 19	15 ^h 47	3 ^h 8	9 ^h 58	9 ^h 30	1 ^h 41	8 ^h 36	21 ^h 16	20 ^h 28	10 ^h 22	10 ^h 15	23 ^h 56	25 ^h 4	T 29
F 30	20 28 37	6 ^h 13'31	3 ^h 38	17 ^h 41	4 ^h 20	10 ^h 36	9 ^h 43	1 ^h 46	8 ^h 40	21 ^h 16	20 ^h 29	10 ^h 17	10 ^h 12	24 ^h 2	25 ^h 1	F 30
S 31	20 32 34	7 ^h 10'56	17 ^h 54	19 ^h 33	5 ^h 33	11 ^h 8	9 ^h 56	1 ^h 50	8 ^h 43	21 ^h 16	20 ^h 31	10 ^h 8	10 ^h 8	24 ^h 9	24 ^h 59	S 31

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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
T 1	23n12	12s31	4s35	21n44	1s22	21n50	1n30	6n29	2s 2	19n58	0n34	18n 6	1s55	19n10	0n37	6n41	1s41	24n 7	9n42	15n44	15n23	6s26	16s41	6n46
F 2	23 8	6 26	3 55	22 4	1 9	21 35	1 31	6 45	2 3	19 55	0 35	18 7	1 55	19 9	0 37	6 41	1 41	24 7	9 41	15 43	15 22	6 30	16 41	6 45
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M 5	22 54	12 40	0 40	22 55	0 32	20 48	1 33	7 30	2 3	19 47	0 35	18 11	1 55	19 6	0 37	6 42	1 41	24 5	9 41	15 43	15 19	6 39	16 41	6 45
T 6	22 49	18 12	0n35	23 9	0 20	20 31	1 33	7 45	2 3	19 44	0 35	18 12	1 55	19 5	0 37	6 42	1 41	24 4	9 41	15 43	15 18	6 43	16 41	6 45
W 7	22 43	22 41	1 49	23 21	0 8	20 13	1 34	8 0	2 3	19 41	0 35	18 13	1 56	19 4	0 37	6 42	1 41	24 4	9 41	15 42	15 17	6 46	16 41	6 45
T 8	22 37	25 49	2 55	23 31	0n 4	19 55	1 35	8 15	2 3	19 38	0 35	18 15	1 56	19 4	0 37	6 43	1 41	24 3	9 41	15 41	15 16	6 49	16 41	6 45
F 9	22 30	27 18	3 50	23 39	0 15	19 36	1 35	8 29	2 3	19 35	0 35	18 16	1 56	19 3	0 37	6 43	1 42	24 2	9 41	15 39	15 15	6 52	16 41	6 45
S 10	22 23	27 4	4 30	23 45	0 26	19 17	1 35	8 44	2 3	19 31	0 35	18 17	1 56	19 2	0 37	6 43	1 42	24 2	9 41	15 36	15 14	6 56	16 41	6 45
S 11	22 15	25 13	4 55	23 48	0 37	18 57	1 36	8 58	2 3	19 28	0 35	18 18	1 56	19 1	0 37	6 43	1 42	24 1	9 41	15 33	15 13	6 59	16 41	6 45
M12	22 8	22 1	5 3	23 49	0 46	18 37	1 36	9 12	2 3	19 25	0 35	18 19	1 56	19 0	0 37	6 43	1 42	24 0	9 41	15 30	15 12	7 2	16 41	6 44
T 13	21 59	17 50	4 55	23 47	0 55	18 16	1 36	9 26	2 3	19 22	0 35	18 21	1 56	18 59	0 37	6 43	1 42	24 0	9 40	15 26	15 11	7 5	16 41	6 44
W14	21 51	12 57	4 33	23 42	1 4	17 55	1 36	9 40	2 3	19 19	0 35	18 22	1 56	18 58	0 37	6 43	1 42	23 59	9 40	15 24	15 10	7 9	16 41	6 44
T 15	21 42	7 40	3 59	23 35	1 12	17 33	1 36	9 54	2 3	19 16	0 35	18 23	1 56	18 57	0 37	6 43	1 42	23 59	9 40	15 22	15 9	7 12	16 41	6 44
F 16	21 32	2 12	3 14	23 24	1 19	17 11	1 36	10 8	2 3	19 13	0 35	18 24	1 56	18 56	0 37	6 44	1 42	23 58	9 40	15 20	15 8	7 15	16 41	6 44
S 17	21 23	3s18	2 22	23 11	1 25	16 48	1 36	10 22	2 3	19 9	0 35	18 25	1 56	18 55	0 37	6 44	1 42	23 57	9 40	15 20	15 7	7 18	16 41	6 44
S 18	21 13	8 38	1 24	22 56	1 30	16 25	1 36	10 35	2 3	19 6	0 35	18 26	1 57	18 54	0 37	6 44	1 42	23 57	9 40	15 20	15 6	7 22	16 41	6 43
M19	21 2	13 42	0 22	22 37	1 35	16 1	1 35	10 49	2 2	19 3	0 35	18 27	1 57	18 53	0 37	6 44	1 42	23 56	9 40	15 20	15 5	7 25	16 41	6 43
T 20	20 51	18 17	0s42	22 17	1 39	15 37	1 35	11 2	2 2	18 59	0 35	18 28	1 57	18 52	0 37	6 44	1 42	23 55	9 40	15 20	15 4	7 28	16 42	6 43
W21	20 40	22 12	1 44	21 54	1 42	15 13	1 34	11 5	2 2	18 56	0 36	18 29	1 57	18 51	0 37	6 44	1 42	23 55	9 40	15 19	15 3	7 31	16 42	6 43
T 22	20 29	25 12	2 43	21 29	1 45	14 48	1 34	11 28	2 2	18 53	0 36	18 30	1 57	18 51	0 37	6 44	1 42	23 54	9 40	15 18	15 2	7 35	16 42	6 42
F 23	20 17	27 1	3 35	21 2	1 46	14 23	1 33	11 41	2 2	18 49	0 36	18 31	1 57	18 50	0 37	6 44	1 42	23 54	9 40	15 16	15 1	7 38	16 42	6 42
S 24	20 5	27 24	4 17	20 33	1 47	13 57	1 33	11 54	2 2	18 46	0 36	18 32	1 57	18 49	0 37	6 44	1 42	23 53	9 40	15 13	15 0	7 41	16 42	6 42
S 25	19 52	26 12	4 46	20 2	1 47	13 31	1 32	12 6	2 1	18 43	0 36	18 33	1 57	18 48	0 37	6 44	1 42	23 52	9 40	15 10	14 59	7 44	16 42	6 42
M26	19 39	23 26	5 0	19 30	1 47	13 5	1 31	12 19	2 1	18 39	0 36	18 34	1 58	18 47	0 37	6 44	1 43	23 52	9 40	15 6	14 58	7 47	16 43	6 41
T 27	19 26	19 14	4 56	18 56	1 46	12 39	1 30	12 31	2 1	18 36	0 36	18 35	1 58	18 46	0 37	6 43	1 43	23 51	9 40	15 3	14 57	7 51	16 43	6 41
W28	19 13	13 56	4 34	18 21	1 44	12 12	1 29	12 43	2 1	18 33	0 36	18 36	1 58	18 45	0 37	6 43	1 43	23 50	9 40	15 0	14 56	7 54	16 43	6 41
T 29	18 59	7 50	3 55	17 45	1 42	11 45	1 28	12 55	2 0	18 29	0 36	18 36	1 58	18 44	0 37	6 43	1 43	23 50	9 40	14 57	14 55	7 57	16 43	6 40
F 30	18 45	1 19	3 0	17 8	1 39	11 17	1 27	13 7	2 0	18 26	0 36	18 37	1 58	18 43	0 37	6 43	1 43	23 49	9 40	14 56	14 54	8 0	16 43	6 40
S 31	18n30	5n16	1s55	16n30	1n36	10n49	1n26	13n19	2s 0	18n22	0n36	18n38	1s58	18n42	0n37	6n43	1s43	23n49	9n40	14n55	14n53	8s 4	16s44	6n40

ASTRODIENST EPHEMERIS for the year 1706
geocentric

AUGUST 1706

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 30	8♌ 8'23	2♋ 6	21♊23	6♉45	11♈50	10♌ 9	1♏55	8♌47	21♎15	20♏33	10♎13	10♋ 5	24♎16	24♎57	S 1
M 2	20 40 27	9° 5'51	16°11	23°11	7°58	12°27	10°23	1°59	8°51	21♏15	20°35	10♋13	10° 2	24°22	24♎54	M 2
T 3	20 44 23	10° 3'21	0♏ 8	24°59	9°11	13° 4	10°36	2° 4	8°55	21°15	20°37	10°13	9°59	24°29	24°52	T 3
W 4	20 48 20	11° 0'51	13°59	26°44	10°23	13°40	10°49	2° 8	8°58	21°15	20°39	10°10	9°56	24°36	24°50	W 4
T 5	20 52 17	11°58'24	27°41	28°28	11°35	14°16	11° 2	2°13	9° 2	21°14	20°41	10° 5	9°53	24°42	24°48	T 5
F 6	20 56 13	12°55'57	11♌14	0♏10	12°48	14°52	11°15	2°17	9° 6	21°14	20°43	9°57	9°49	24°49	24°46	F 6
S 7	21 0 10	13°53'32	24°36	1°51	14° 0	15°28	11°29	2°21	9° 9	21°14	20°45	9°47	9°46	24°56	24°44	S 7
S 8	21 4 6	14°51'08	7♌46	3°30	15°13	16° 4	11°42	2°25	9°13	21°13	20°46	9°34	9°43	25° 2	24°42	S 8
M 9	21 8 3	15°48'45	20°41	5° 8	16°25	16°39	11°55	2°29	9°17	21°13	20°48	9°21	9°40	25° 9	24°40	M 9
T 10	21 11 59	16°46'23	3♏21	6°44	17°37	17°14	12° 8	2°33	9°20	21°12	20°50	9° 9	9°37	25°16	24°39	T 10
W 11	21 15 56	17°44'03	15°46	8°19	18°50	17°49	12°21	2°36	9°24	21°12	20°52	8°58	9°34	25°22	24°37	W 11
T 12	21 19 52	18°41'43	27°58	9°52	20° 2	18°24	12°34	2°40	9°28	21°11	20°54	8°50	9°30	25°29	24°36	T 12
F 13	21 23 49	19°39'25	9♎57	11°24	21°14	18°58	12°48	2°44	9°32	21°11	20°56	8°45	9°27	25°36	24°34	F 13
S 14	21 27 45	20°37'08	21°49	12°54	22°26	19°33	13° 1	2°47	9°35	21°10	20°58	8°41	9°24	25°42	24°33	S 14
S 15	21 31 42	21°34'51	3♏36	14°23	23°39	20° 7	13°14	2°51	9°39	21° 9	21° 0	8°D40	9°21	25°49	24°32	S 15
M 16	21 35 39	22°32'37	15°25	15°50	24°51	20°40	13°27	2°54	9°43	21° 9	21° 2	8°40	9°18	25°56	24°30	M 16
T 17	21 39 35	23°30'23	27°20	17°15	26° 3	21°14	13°40	2°57	9°46	21° 8	21° 4	8°R40	9°14	26° 2	24°29	T 17
W 18	21 43 32	24°28'10	9♎38	18°39	27°15	21°47	13°53	3° 0	9°50	21° 7	21° 6	8°39	9°11	26° 9	24°28	W 18
T 19	21 47 28	25°25'59	21°52	20° 2	28°27	22°20	14° 6	3° 3	9°53	21° 6	21° 8	8°37	9° 8	26°15	24°27	T 19
F 20	21 51 25	26°23'49	4♋38	21°22	29°39	22°52	14°19	3° 6	9°57	21° 6	21° 9	8°31	9° 5	26°22	24°26	F 20
S 21	21 55 21	27°21'40	17°49	22°41	0♎51	23°25	14°32	3° 9	10° 1	21° 5	21°11	8°24	9° 2	26°29	24°26	S 21
S 22	21 59 18	28°19'32	1♎25	23°59	2° 3	23°57	14°45	3°12	10° 4	21° 4	21°13	8°15	8°59	26°35	24°25	S 22
M 23	22 3 15	29°17'26	15°26	25°14	3°15	24°28	14°58	3°14	10° 8	21° 3	21°15	8° 4	8°55	26°42	24°24	M 23
T 24	22 7 11	0♏15'21	29°47	26°28	4°26	25° 0	15°11	3°17	10°11	21° 2	21°17	7°54	8°52	26°49	24°24	T 24
W 25	22 11 8	1°13'18	14♋22	27°39	5°38	25°31	15°24	3°19	10°15	21° 1	21°19	7°44	8°49	26°55	24°23	W 25
T 26	22 15 4	2°11'16	29° 5	28°49	6°50	26° 2	15°37	3°21	10°18	21° 0	21°21	7°37	8°46	27° 2	24°23	T 26
F 27	22 19 1	3° 9'16	13♏47	29°57	8° 2	26°32	15°50	3°24	10°22	20°59	21°23	7°33	8°43	27° 9	24°23	F 27
S 28	22 22 57	4° 7'18	28°23	1♎ 2	9°13	27° 2	16° 3	3°26	10°25	20°58	21°25	7°31	8°40	27°15	24°23	S 28
S 29	22 26 54	5° 5'22	12♋48	2° 5	10°25	27°32	16°16	3°28	10°29	20°57	21°27	7°D31	8°36	27°22	24°D23	S 29
M 30	22 30 50	6° 3'28	26°58	3° 6	11°36	28° 2	16°28	3°30	10°32	20°56	21°28	7°31	8°33	27°29	24°23	M 30
T 31	22 34 47	7♏1'37	10♏54	4♎ 4	12♎48	28♋31	16♌41	3♏32	10♌36	20♏55	21♌30	7°R31	8♋30	27♎35	24♎23	T 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
S 1	18n16	11n33	0s43	15n51	1n32	10n21	1n24	13n31	2s 0	18n19	0n36	18n39	1s58	18n41	0n37	6n43	1s43	23n48	9n40	14n55	14n52	8s 7	16s44	6n39					
M 2	18 1	17 12	0n31	15 12	1 28	9 53	1 23	13 42	1 59	18 15	0 36	18 40	1 58	18 40	0 37	6 43	1 43	23 47	9 40	14 55	14 51	8 10	16 44	6 39					
T 3	17 45	21 54	1 43	14 32	1 23	9 24	1 22	13 54	1 59	18 12	0 36	18 40	1 59	18 39	0 37	6 43	1 43	23 47	9 40	14 54	14 50	8 13	16 44	6 39					
W 4	17 30	25 18	2 48	13 51	1 18	8 55	1 20	14 5	1 59	18 8	0 37	18 41	1 59	18 38	0 37	6 42	1 43	23 46	9 40	14 54	14 49	8 17	16 45	6 38					
T 5	17 14	27 10	3 43	13 10	1 13	8 26	1 19	14 16	1 58	18 5	0 37	18 42	1 59	18 37	0 37	6 42	1 43	23 46	9 40	14 52	14 48	8 20	16 45	6 38					
F 6	16 58	27 23	4 24	12 28	1 7	7 57	1 17	14 27	1 58	18 1	0 37	18 42	1 59	18 36	0 37	6 42	1 43	23 45	9 40	14 49	14 47	8 23	16 45	6 38					
S 7	16 41	26 0	4 50	11 47	1 1	7 28	1 15	14 38	1 57	17 57	0 37	18 43	1 59	18 35	0 37	6 42	1 43	23 44	9 40	14 46	14 46	8 26	16 46	6 37					
S 8	16 24	23 11	5 0	11 5	0 54	6 58	1 13	14 48	1 57	17 54	0 37	18 44	1 59	18 34	0 37	6 42	1 43	23 44	9 40	14 42	14 45	8 29	16 46	6 37					
M 9	16 7	19 16	4 55	10 23	0 47	6 28	1 12	14 59	1 56	17 50	0 37	18 44	1 59	18 33	0 37	6 41	1 43	23 43	9 40	14 38	14 44	8 33	16 46	6 36					
T 10	15 50	14 33	4 34	9 41	0 40	5 58	1 10	15 9	1 56	17 47	0 37	18 45	2 0	18 32	0 37	6 41	1 43	23 43	9 40	14 34	14 43	8 36	16 47	6 36					
W 11	15 33	9 20	4 1	8 58	0 33	5 28	1 8	15 19	1 56	17 43	0 37	18 46	2 0	18 31	0 37	6 41	1 43	23 42	9 40	14 31	14 42	8 39	16 47	6 36					
T 12	15 15	3 50	3 18	8 16	0 25	4 57	1 6	15 29	1 55	17 39	0 37	18 46	2 0	18 30	0 37	6 41	1 44	23 41	9 40	14 28	14 41	8 42	16 47	6 35					
F 13	14 57	1s43	2 26	7 34	0 17	4 27	1 3	15 39	1 55	17 36	0 37	18 47	2 0	18 29	0 37	6 40	1 44	23 41	9 40	14 26	14 40	8 46	16 48	6 35					
S 14	14 39	7 9	1 28	6 52	0 9	3 56	1 1	15 49	1 54	17 32	0 37	18 47	2 0	18 28	0 37	6 40	1 44	23 40	9 40	14 25	14 39	8 49	16 48	6 34					
S 15	14 20	12 19	0 27	6 11	0 1	3 26	0 59	15 59	1 53	17 28	0 37	18 48	2 0	18 27	0 37	6 40	1 44	23 40	9 41	14 25	14 38	8 52	16 48	6 34					
M 16	14 1	17 3	0s36	5 29	0s 7	2 55	0 57	16 8	1 53	17 25	0 38	18 48	2 0	18 26	0 37	6 40	1 44	23 39	9 41	14 25	14 37	8 55	16 49	6 34					
T 17	13 42	21 11	1 38	4 48	0 16	2 24	0 54	16 17	1 52	17 21	0 38	18 49	2 1	18 25	0 37	6 39	1 44	23 39	9 41	14 25	14 36	8 58	16 49	6 33					
W 18	13 23	24 28	2 36	4 7	0 25	1 53	0 52	16 27	1 52	17 17	0 38	18 49	2 1	18 24	0 37	6 39	1 44	23 38	9 41	14 25	14 35	9 2	16 50	6 33					
T 19	13 4	26 42	3 28	3 27	0 34	1 22	0 49	16 36	1 51	17 14	0 38	18 49	2 1	18 23	0 37	6 39	1 44	23 37	9 41	14 24	14 34	9 5	16 50	6 32					
F 20	12 44	27 36	4 12	2 47	0 42	0 51	0 47	16 44	1 50	17 10	0 38	18 50	2 1	18 22	0 37	6 38	1 44	23 37	9 41	14 22	14 33	9 8	16 50	6 32					
S 21	12 25	26 59	4 44	2 7	0 52	0 20	0 44	16 53	1 50	17 6	0 38	18 50	2 1	18 21	0 37	6 38	1 44	23 36	9 41	14 20	14 32	9 11	16 51	6 31					
S 22	12 5	24 45	5 0	1 28	1 1	0s11	0 41	17 2	1 49	17 3	0 38	18 51	2 1	18 21	0 37	6 38	1 44	23 36	9 41	14 17	14 31	9 14	16 51	6 31					
M 23	11 44	21 1	5 0	0 50	1 10	0 42	0 38	17 10	1 48	16 59	0 38	18 51	2 2	18 20	0 37	6 37	1 44	23 35	9 41	14 13	14 30	9 18	16 52	6 30					
T 24	11 24	15 57	4 41	0 12	1 19	1 13	0 36	17 18	1 48	16 55	0 38	18 51	2 2	18 19	0 37	6 37	1 44	23 35	9 41	14 10	14 29	9 21	16 52	6 30					
W 25	11 3	9 54	4 4	0s25	1 29	1 45	0 33	17 26	1 47	16 51	0 38	18 52	2 2	18 18	0 37	6 36	1 44	23 34	9 41	14 7	14 28	9 24	16 52	6 29					
T 26	10 43	3 16	3 10	1 2	1 38	2 16	0 30	17 34	1 46	16 48	0 39	18 52	2 2	18 17	0 37	6 36	1 44	23 34	9 42	14 5	14 27	9 27	16 53	6 29					
F 27	10 22	3n34	2 3	1 37	1 47	2 47	0 27	17 42	1 45	16 44	0 39	18 52	2 2	18 16	0 37	6 36	1 44	23 33	9 42	14 3	14 26	9 30	16 53	6 29					
S 28	10 1	10 10	0 49	2 12	1 57	3 18	0 24	17 50	1 45	16 40	0 39	18 52	2 2	18 15	0 37	6 35	1 44	23 33	9 42	14 2	14 25	9 34	16 54	6 28					
S 29	9 40	16 9	0n28	2 45	2 6	3 49	0 21	17 58	1 44	16 36	0 39	18 53	2 3	18 14	0 37	6 35	1 44	23 32	9 42	14 2	14 24	9 37	16 54	6 28					
M 30	9 18	21 10	1 42	3 18	2 15	4 20	0 18	18 5	1 43	16 33	0 39	18 53	2 3	18 13	0 37	6 34	1 44	23 32	9 42	14 3	14 23	9 40	16 55	6 27					
T 31	8n57	24n54	2n49	3s49	2s24	4s51	0n14	18n12	1s42	16n29	0n39	18n53	2s 3	18n12	0n37	6n34	1s45	23n31	9n42	14n 3	14n22	9s43	16s55	6n27					

ASTRODIENST EPHEMERIS for the year 1706
geocentric

SEPTEMBER 1706

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 38 43	7♍59'47	24♊35	4♊59	13♊59	29♊0	16♊54	3♊33	10♊39	20♊54	21♊32	7♊R30	8♊27	27♊42	24♊23	W 1
T 2	22 42 40	8°57'59	8♊2	5°52	15°11	29°28	17°6	3°35	10°43	20°53	21°34	7♊27	8°24	27°49	24°23	T 2
F 3	22 46 37	9°56'13	21°16	6°41	16°22	29°56	17°19	3°36	10°46	20°52	21°36	7°21	8°20	27°55	24°24	F 3
S 4	22 50 33	10°54'29	4♊16	7°27	17°34	0♊24	17°32	3°38	10°49	20°51	21°38	7°13	8°17	28°2	24°24	S 4
S 5	22 54 30	11°52'47	17°5	8°10	18°45	0°51	17°44	3°39	10°53	20°50	21°39	7°3	8°14	28°9	24°25	S 5
M 6	22 58 26	12°51'07	29°41	8°49	19°56	1°18	17°57	3°40	10°56	20°48	21°41	6°53	8°11	28°15	24°25	M 6
T 7	23 2 23	13°49'29	12♋5	9°23	21°7	1°45	18°9	3°41	10°59	20°47	21°43	6°44	8°8	28°22	24°26	T 7
W 8	23 6 19	14°47'52	24°18	9°54	22°19	2°11	18°22	3°42	11°2	20°46	21°45	6°35	8°5	28°28	24°27	W 8
T 9	23 10 16	15°46'18	6♋20	10°19	23°30	2°37	18°34	3°43	11°6	20°44	21°47	6°29	8°1	28°35	24°28	T 9
F 10	23 14 12	16°44'45	18°14	10°40	24°41	3°2	18°47	3°44	11°9	20°43	21°48	6°25	7°58	28°42	24°29	F 10
S 11	23 18 9	17°43'14	0♋3	10°55	25°52	3°27	18°59	3°44	11°12	20°42	21°50	6°23	7°55	28°48	24°30	S 11
S 12	23 22 6	18°41'44	11°49	11°5	27°3	3°51	19°11	3°45	11°15	20°40	21°52	6°D23	7°52	28°55	24°31	S 12
M13	23 26 2	19°40'17	23°37	11°R 9	28°14	4°15	19°23	3°45	11°18	20°39	21°54	6°24	7°49	29°2	24°32	M13
T 14	23 29 59	20°38'51	5♌31	11°6	29°25	4°38	19°36	3°46	11°21	20°38	21°55	6°25	7°45	29°8	24°33	T 14
W15	23 33 55	21°37'27	17°36	10°57	0♋36	5°1	19°48	3°46	11°24	20°36	21°57	6°R26	7°42	29°15	24°35	W15
T 16	23 37 52	22°36'04	29°58	10°41	1°46	5°24	20°0	3°R46	11°27	20°35	21°59	6°26	7°39	29°22	24°36	T 16
F 17	23 41 48	23°34'43	12♍42	10°17	2°57	5°46	20°12	3°46	11°30	20°33	22°1	6°24	7°36	29°28	24°38	F 17
S 18	23 45 45	24°33'24	25°51	9°47	4°8	6°7	20°24	3°46	11°33	20°32	22°2	6°21	7°33	29°35	24°40	S 18
S 19	23 49 41	25°32'07	9♎28	9°9	5°18	6°28	20°36	3°45	11°36	20°31	22°4	6°16	7°30	29°42	24°41	S 19
M20	23 53 38	26°30'51	23°33	8°25	6°29	6°48	20°47	3°45	11°39	20°29	22°6	6°10	7°26	29°48	24°43	M20
T 21	23 57 35	27°29'37	8♏2	7°34	7°39	7°8	20°59	3°45	11°42	20°28	22°7	6°4	7°23	29°55	24°45	T 21
W22	0 1 31	28°28'25	22°52	6°38	8°49	7°27	21°11	3°44	11°45	20°26	22°9	5°58	7°20	0♋1	24°47	W22
T 23	0 5 28	29°27'15	7♏53	5°36	10°0	7°46	21°23	3°43	11°48	20°24	22°10	5°54	7°17	0°8	24°49	T 23
F 24	0 9 24	0♎26'07	22°57	4°31	11°10	8°4	21°34	3°42	11°51	20°23	22°12	5°52	7°14	0°15	24°51	F 24
S 25	0 13 21	1°25'01	7♏55	3°24	12°20	8°22	21°46	3°42	11°53	20°21	22°14	5°D51	7°11	0°21	24°54	S 25
S 26	0 17 17	2°23'57	22°40	2°17	13°30	8°39	21°57	3°41	11°56	20°20	22°15	5°52	7°7	0°28	24°56	S 26
M27	0 21 14	3°22'56	7♊5	1°10	14°40	8°55	22°9	3°39	11°59	20°18	22°17	5°54	7°4	0°35	24°58	M27
T 28	0 25 10	4°21'57	21°10	0°6	15°50	9°11	22°20	3°38	12°1	20°17	22°18	5°55	7°1	0°41	25°1	T 28
W29	0 29 7	5°21'01	4♏53	29♋7	17°0	9°26	22°31	3°37	12°4	20°15	22°20	5°R55	6°58	0°48	25°3	W29
T 30	0 33 4	6♎20'06	18♏16	28♋15	18♋10	9♊40	22♊42	3♊35	12♊6	20°Y13	22♊21	5♊55	6♊55	0♋55	25♌6	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
W 1	8n35	27n 6	3n44	4s20	2s33	5s21	0n11	18n19	1s41	16n25	0n39	18n53	2s 3	18n11	0n37	6n33	1s45	23n31	9n42	14n 2	14n21	9s46	16s56	6n26
T 2	8 13	27 40	4 26	4 48	2 42	5 52	0 8	18 26	1 40	16 22	0 39	18 53	2 3	18 10	0 37	6 33	1 45	23 30	9 43	14 1	14 20	9 50	16 56	6 26
F 3	7 51	26 38	4 53	5 16	2 50	6 23	0 5	18 33	1 39	16 18	0 39	18 53	2 3	18 9	0 37	6 32	1 45	23 30	9 43	13 59	14 19	9 53	16 57	6 25
S 4	7 29	24 9	5 5	5 42	2 59	6 53	0 1	18 40	1 38	16 14	0 40	18 53	2 4	18 8	0 37	6 32	1 45	23 29	9 43	13 57	14 18	9 56	16 57	6 25
S 5	7 7	20 31	5 1	6 6	3 7	7 23	0s 2	18 47	1 37	16 10	0 40	18 54	2 4	18 8	0 37	6 32	1 45	23 29	9 43	13 54	14 17	9 59	16 58	6 24
M 6	6 45	16 0	4 42	6 29	3 15	7 54	0 6	18 53	1 36	16 7	0 40	18 54	2 4	18 7	0 37	6 31	1 45	23 28	9 43	13 50	14 15	10 2	16 58	6 24
T 7	6 22	10 53	4 10	6 49	3 22	8 24	0 9	18 59	1 35	16 3	0 40	18 54	2 4	18 6	0 37	6 31	1 45	23 28	9 43	13 47	14 14	10 6	16 59	6 23
W 8	6 0	5 26	3 27	7 8	3 29	8 54	0 13	19 6	1 34	15 59	0 40	18 54	2 4	18 5	0 37	6 30	1 45	23 27	9 44	13 44	14 13	10 9	16 59	6 23
T 9	5 37	0s 9	2 35	7 24	3 36	9 23	0 16	19 12	1 33	15 55	0 40	18 54	2 4	18 4	0 37	6 29	1 45	23 27	9 44	13 42	14 12	10 12	17 0	6 22
F 10	5 14	5 41	1 36	7 37	3 42	9 53	0 20	19 18	1 32	15 52	0 40	18 54	2 5	18 3	0 37	6 29	1 45	23 27	9 44	13 41	14 11	10 15	17 0	6 22
S 11	4 52	10 58	0 34	7 48	3 47	10 22	0 23	19 23	1 31	15 48	0 40	18 54	2 5	18 2	0 37	6 28	1 45	23 26	9 44	13 40	14 10	10 18	17 1	6 21
S 12	4 29	15 52	0s29	7 56	3 51	10 51	0 27	19 29	1 30	15 44	0 41	18 53	2 5	18 2	0 37	6 28	1 45	23 26	9 44	13 40	14 9	10 21	17 1	6 21
M13	4 6	20 11	1 32	8 1	3 55	11 20	0 30	19 35	1 29	15 40	0 41	18 53	2 5	18 1	0 37	6 27	1 45	23 25	9 45	13 41	14 8	10 25	17 2	6 20
T 14	3 43	23 44	2 31	8 2	3 58	11 49	0 34	19 40	1 27	15 37	0 41	18 53	2 5	18 0	0 37	6 27	1 45	23 25	9 45	13 41	14 7	10 28	17 2	6 20
W15	3 20	26 18	3 25	8 0	3 59	12 17	0 38	19 46	1 26	15 33	0 41	18 53	2 5	17 59	0 37	6 26	1 45	23 25	9 45	13 41	14 6	10 31	17 3	6 20
T 16	2 56	27 39	4 10	7 54	3 59	12 45	0 41	19 51	1 25	15 29	0 41	18 53	2 6	17 58	0 37	6 26	1 45	23 24	9 45	13 41	14 5	10 34	17 3	6 19
F 17	2 33	27 35	4 44	7 44	3 58	13 13	0 45	19 56	1 24	15 26	0 41	18 53	2 6	17 57	0 37	6 25	1 45	23 24	9 45	13 41	14 4	10 37	17 4	6 19
S 18	2 10	26 0	5 5	7 29	3 56	13 41	0 49	20 1	1 22	15 22	0 41	18 53	2 6	17 57	0 37	6 24	1 45	23 23	9 46	13 39	14 3	10 40	17 5	6 18
S 19	1 47	22 53	5 10	7 11	3 51	14 8	0 52	20 6	1 21	15 18	0 41	18 52	2 6	17 56	0 37	6 24	1 45	23 23	9 46	13 38	14 2	10 44	17 5	6 18
M20	1 23	18 21	4 56	6 47	3 45	14 35	0 56	20 11	1 19	15 15	0 42	18 52	2 6	17 55	0 37	6 23	1 45	23 23	9 46	13 36	14 1	10 47	17 6	6 17
T 21	1 0	12 39	4 24	6 20	3 37	15 2	1 0	20 15	1 18	15 11	0 42	18 52	2 6	17 54	0 37	6 23	1 45	23 22	9 46	13 34	14 0	10 50	17 6	6 17
W22	0 36	6 6	3 33	5 48	3 27	15 28	1 4	20 20	1 17	15 7	0 42	18 52	2 7	17 54	0 37	6 22	1 45	23 22	9 46	13 32	13 59	10 53	17 7	6 16
T 23	0 13	0n53	2 27	5 13	3 16	15 54	1 7	20 24	1 15	15 4	0 42	18 51	2 7	17 53	0 38	6 22	1 45	23 22	9 47	13 31	13 58	10 56	17 7	6 16
F 24	0s10	7 51	1 10	4 35	3 2	16 20	1 11	20 29	1 14	15 0	0 42	18 51	2 7	17 52	0 38	6 21	1 45	23 22	9 47	13 30	13 57	10 59	17 8	6 15
S 25	0 34	14 21	0n11	3 54	2 46	16 45	1 15	20 33	1 12	14 57	0 42	18 51	2 7	17 51	0 38	6 20	1 45	23 21	9 47	13 30	13 56	11 3	17 8	6 15
S 26	0 57	19 56	1 31	3 11	2 29	17 10	1 18	20 37	1 10	14 53	0 42	18 50	2 7	17 51	0 38	6 20	1 45	23 21	9 47	13 30	13 55	11 6	17 9	6 14
M27	1 21	24 12	2 43	2 28	2 11	17 34	1 22	20 41	1 9	14 49	0 43	18 50	2 7	17 50	0 38	6 19	1 45	23 21	9 48	13 30	13 54	11 9	17 9	6 14
T 28	1 44	26 54	3 43	1 45	1 52	17 58	1 26	20 45	1 7	14 46	0 43	18 50	2 7	17 49	0 38	6 18	1 45	23 20	9 48	13 31	13 53	11 12	17 10	6 13
W29	2 8	27 52	4 29	1 3	1 32	18 22	1 29	20 49	1 6	14 42	0 43	18 49	2 8	17 48	0 38	6 18	1 45	23 20	9 48	13 31	13 52	11 15	17 10	6 13
T 30	2s31	27n10	4n59	0s23	1s11	18s45	1s33	20n53	1s 4	14n39	0n43	18n49	2s 8	17n48	0n38	6n17	1s46	23n20	9n48	13n31	13n51	11s18	17s11	6n13

ASTRODIENST EPHEMERIS for the year 1706
geocentric

OCTOBER 1706

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	0 37 0	7♌19'14	1♏19	27°R30	19♌20	9♏54	22♏53	3°R34	12♏9	20°R12	22♏23	5°R53	6♌51	1♌1	25♌9	F 1
S 2	0 40 57	8°18'25	14° 5	26♏54	20°29	10° 7	23° 4	3♏32	12°11	20°Y10	22°24	5♌50	6°48	1° 8	25°12	S 2
S 3	0 44 53	9°17'37	26°38	26°28	21°39	10°20	23°15	3°31	12°14	20° 9	22°26	5°46	6°45	1°15	25°15	S 3
M 4	0 48 50	10°16'52	8♏57	26°12	22°48	10°31	23°26	3°29	12°16	20° 7	22°27	5°41	6°42	1°21	25°18	M 4
T 5	0 52 46	11°16'09	21° 7	26°D 7	23°58	10°42	23°37	3°27	12°18	20° 5	22°28	5°37	6°39	1°28	25°21	T 5
W 6	0 56 43	12°15'28	3♌8	26°13	25° 7	10°52	23°48	3°25	12°21	20° 4	22°30	5°33	6°36	1°35	25°24	W 6
T 7	1 0 39	13°14'50	15° 2	26°29	26°16	11° 2	23°58	3°22	12°23	20° 2	22°31	5°31	6°32	1°41	25°27	T 7
F 8	1 4 36	14°14'13	26°51	26°56	27°25	11°10	24° 9	3°20	12°25	20° 0	22°32	5°30	6°29	1°48	25°30	F 8
S 9	1 8 33	15°13'38	8♌38	27°32	28°34	11°18	24°19	3°18	12°27	19°59	22°34	5°D29	6°26	1°54	25°34	S 9
S 10	1 12 29	16°13'05	20°24	28°17	29°43	11°25	24°30	3°15	12°29	19°57	22°35	5°30	6°23	2° 1	25°37	S 10
M11	1 16 26	17°12'35	2♌14	29°10	0♌52	11°32	24°40	3°13	12°32	19°55	22°36	5°31	6°20	2° 8	25°41	M11
T 12	1 20 22	18°12'06	14°10	0♌10	2° 1	11°37	24°50	3°10	12°34	19°54	22°37	5°33	6°17	2°14	25°44	T 12
W13	1 24 19	19°11'39	26°16	1°17	3° 9	11°42	25° 0	3° 7	12°36	19°52	22°39	5°34	6°13	2°21	25°48	W13
T 14	1 28 15	20°11'13	8♌36	2°30	4°18	11°46	25°10	3° 5	12°37	19°50	22°40	5°35	6°10	2°28	25°51	T 14
F 15	1 32 12	21°10'50	21°16	3°47	5°26	11°49	25°20	3° 2	12°39	19°48	22°41	5°R36	6° 7	2°34	25°55	F 15
S 16	1 36 8	22°10'28	4♌19	5° 9	6°35	11°51	25°30	2°59	12°41	19°47	22°42	5°35	6° 4	2°41	25°59	S 16
S 17	1 40 5	23°10'08	17°47	6°35	7°43	11°52	25°39	2°55	12°43	19°45	22°43	5°34	6° 1	2°48	26° 3	S 17
M18	1 44 2	24° 9'50	1♌44	8° 3	8°51	11°R53	25°49	2°52	12°45	19°43	22°44	5°33	5°57	2°54	26° 7	M18
T 19	1 47 58	25° 9'33	16° 7	9°35	9°59	11°52	25°58	2°49	12°46	19°42	22°45	5°32	5°54	3° 1	26°11	T 19
W20	1 51 55	26° 9'18	0♌54	11° 8	11° 6	11°51	26° 8	2°46	12°48	19°40	22°46	5°31	5°51	3° 8	26°15	W20
T 21	1 55 51	27° 9'05	15°59	12°43	12°14	11°49	26°17	2°42	12°50	19°38	22°48	5°30	5°48	3°14	26°19	T 21
F 22	1 59 48	28° 8'54	1♌12	14°19	13°21	11°46	26°26	2°39	12°51	19°37	22°48	5°D29	5°45	3°21	26°24	F 22
S 23	2 3 44	29° 8'44	16°25	15°56	14°29	11°42	26°35	2°35	12°53	19°35	22°49	5°29	5°42	3°27	26°28	S 23
S 24	2 7 41	0♌8'37	1♏27	17°35	15°36	11°37	26°44	2°31	12°54	19°33	22°50	5°30	5°38	3°34	26°32	S 24
M25	2 11 37	1° 8'33	16°10	19°13	16°43	11°32	26°53	2°28	12°56	19°32	22°51	5°30	5°35	3°41	26°37	M25
T 26	2 15 34	2° 8'30	0♌31	20°52	17°50	11°25	27° 1	2°24	12°57	19°30	22°52	5°31	5°32	3°47	26°41	T 26
W27	2 19 31	3° 8'29	14°25	22°32	18°56	11°18	27°10	2°20	12°58	19°29	22°53	5°31	5°29	3°54	26°46	W27
T 28	2 23 27	4° 8'31	27°52	24°11	20° 3	11° 9	27°18	2°16	12°59	19°27	22°54	5°31	5°26	4° 1	26°50	T 28
F 29	2 27 24	5° 8'35	10♏55	25°51	21° 9	11° 0	27°26	2°12	13° 1	19°25	22°55	5°31	5°23	4° 7	26°55	F 29
S 30	2 31 20	6° 8'41	23°37	27°30	22°15	10°50	27°35	2° 8	13° 2	19°24	22°55	5°31	5°19	4°14	27° 0	S 30
S 31	2 35 17	7♌8'49	6♏1	29♌9	23♌21	10♏39	27♏43	2♏4	13♏3	19°Y22	22♏56	5♌31	5♌16	4♌21	27♌4	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	2s55	24n59	5n13	0n13	0s51	19s 8	1s37	20n57	1s 2	14n35	0n43	18n48	2s 8	17n47	0n38	6n17	1s46	23n20	9n49	13n30	13n50	11s21	17s12	6n12	
S 2	3 18	21 34	5 10	0 46	0 31	19 31	1 40	21 1	1 0	14 32	0 43	18 48	2 8	17 46	0 38	6 16	1 46	23 19	9 49	13 29	13 49	11 25	17 12	6 12	
S 3	3 41	17 15	4 53	1 14	0 11	19 53	1 44	21 4	0 58	14 29	0 44	18 48	2 8	17 46	0 38	6 15	1 46	23 19	9 49	13 28	13 48	11 28	17 13	6 11	
M 4	4 5	12 17	4 23	1 37	0n 7	20 14	1 47	21 8	0 57	14 25	0 44	18 47	2 8	17 45	0 38	6 15	1 46	23 19	9 50	13 26	13 46	11 31	17 13	6 11	
T 5	4 28	6 54	3 41	1 55	0 24	20 35	1 51	21 11	0 55	14 22	0 44	18 47	2 8	17 45	0 38	6 14	1 46	23 19	9 50	13 25	13 45	11 34	17 14	6 10	
W 6	4 51	1 20	2 49	2 7	0 40	20 56	1 54	21 15	0 53	14 18	0 44	18 46	2 9	17 44	0 38	6 13	1 46	23 19	9 50	13 24	13 44	11 37	17 14	6 10	
T 7	5 14	4s14	1 51	2 14	0 55	21 16	1 58	21 18	0 51	14 15	0 44	18 46	2 9	17 43	0 38	6 13	1 46	23 18	9 50	13 23	13 43	11 40	17 15	6 10	
F 8	5 37	9 38	0 48	2 16	1 8	21 35	2 1	21 21	0 49	14 12	0 44	18 45	2 9	17 43	0 38	6 12	1 46	23 18	9 51	13 22	13 42	11 43	17 15	6 9	
S 9	6 0	14 41	0s17	2 12	1 19	21 54	2 5	21 24	0 47	14 8	0 45	18 44	2 9	17 42	0 38	6 12	1 46	23 18	9 51	13 22	13 41	11 46	17 16	6 9	
S 10	6 23	19 11	1 22	2 3	1 30	22 12	2 8	21 27	0 45	14 5	0 45	18 44	2 9	17 42	0 38	6 11	1 46	23 18	9 51	13 23	13 40	11 50	17 16	6 8	
M11	6 46	22 58	2 23	1 50	1 38	22 30	2 11	21 30	0 42	14 2	0 45	18 43	2 9	17 41	0 38	6 10	1 46	23 18	9 52	13 23	13 39	11 53	17 17	6 8	
T 12	7 9	25 49	3 18	1 33	1 45	22 48	2 15	21 33	0 40	13 58	0 45	18 43	2 9	17 41	0 38	6 10	1 46	23 18	9 52	13 24	13 38	11 56	17 17	6 7	
W13	7 32	27 31	4 6	1 11	1 51	23 4	2 18	21 36	0 38	13 55	0 45	18 42	2 9	17 40	0 38	6 9	1 46	23 17	9 52	13 24	13 37	11 59	17 18	6 7	
T 14	7 54	27 54	4 43	0 47	1 56	23 21	2 21	21 39	0 36	13 52	0 45	18 41	2 10	17 40	0 38	6 8	1 46	23 17	9 53	13 24	13 36	12 2	17 18	6 7	
F 15	8 17	26 51	5 7	0 19	1 59	23 36	2 24	21 41	0 33	13 49	0 46	18 41	2 10	17 39	0 38	6 8	1 46	23 17	9 53	13 24	13 35	12 5	17 19	6 6	
S 16	8 39	24 20	5 17	0s12	2 1	23 51	2 27	21 44	0 31	13 46	0 46	18 40	2 10	17 39	0 38	6 7	1 46	23 17	9 53	13 24	13 34	12 8	17 19	6 6	
S 17	9 1	20 26	5 10	0 44	2 3	24 6	2 30	21 46	0 29	13 43	0 46	18 39	2 10	17 38	0 38	6 6	1 46	23 17	9 53	13 24	13 33	12 11	17 20	6 5	
M18	9 23	15 18	4 45	1 19	2 3	24 20	2 33	21 49	0 26	13 40	0 46	18 39	2 10	17 38	0 38	6 6	1 46	23 17	9 54	13 24	13 32	12 14	17 20	6 5	
T 19	9 45	9 11	4 1	1 56	2 2	24 33	2 36	21 51	0 24	13 37	0 46	18 38	2 10	17 37	0 38	6 5	1 46	23 17	9 54	13 23	13 31	12 18	17 21	6 5	
W20	10 7	2 24	3 1	2 33	2 1	24 45	2 38	21 54	0 21	13 34	0 47	18 37	2 10	17 37	0 38	6 5	1 46	23 17	9 54	13 23	13 30	12 21	17 21	6 4	
T 21	10 29	4n40	1 46	3 12	1 59	24 57	2 41	21 56	0 19	13 31	0 47	18 36	2 10	17 36	0 39	6 4	1 46	23 17	9 55	13 23	13 29	12 24	17 22	6 4	
F 22	10 50	11 32	0 24	3 52	1 56	25 9	2 44	21 58	0 16	13 28	0 47	18 36	2 10	17 36	0 39	6 3	1 46	23 17	9 55	13 22	13 28	12 27	17 22	6 4	
S 23	11 11	17 44	1n 0	4 33	1 53	25 19	2 46	22 0	0 14	13 25	0 47	18 35	2 10	17 36	0 39	6 3	1 46	23 17	9 55	13 22	13 26	12 30	17 23	6 3	
S 24	11 32	22 46	2 19	5 14	1 49	25 29	2 48	22 2	0 11	13 22	0 47	18 34	2 10	17 35	0 39	6 2	1 46	23 17	9 56	13 23	13 25	12 33	17 23	6 3	
M25	11 53	26 12	3 28	5 55	1 45	25 39	2 51	22 4	0 8	13 19	0 48	18 33	2 11	17 35	0 39	6 1	1 46	23 17	9 56	13 23	13 24	12 36	17 24	6 3	
T 26	12 14	27 49	4 21	6 37	1 40	25 48	2 53	22 6	0 5	13 16	0 48	18 32	2 11	17 34	0 39	6 1	1 46	23 17	9 56	13 23	13 23	12 39	17 24	6 2	
W27	12 35	27 37	4 57	7 18	1 36	25 56	2 55	22 8	0 3	13 14	0 48	18 32	2 11	17 34	0 39	6 0	1 46	23 17	9 57	13 23	13 22	12 42	17 25	6 2	
T 28	12 55	25 46	5 15	8 0	1 30	26 3	2 57	22 9	0n 0	13 11	0 48	18 31	2 11	17 34	0 39	6 0	1 46	23 17	9 57	13 23	13 21	12 45	17 25	6 2	
F 29	13 15	22 35	5 17	8 41	1 25	26 10	2 59	22 11	0 3	13 8	0 48	18 30	2 11	17 34	0 39	5 59	1 46	23 17	9 57	13 23	13 20	12 49	17 25	6 1	
S 30	13 35	18 25	5 2	9 22	1 19	26 16	3 1	22 12	0 6	13 6	0 49	18 29	2 11	17 33	0 39	5 59	1 46	23 17	9 58	13 23	13 19	12 52	17 26	6 1	
S 31	13s55	13n34	4n34	10s 3	1n13	26s21	3s 3	22n14	0n 9	13n 3	0n49	18n28	2s11	17n33	0n39	5n58	1s46	23n17	9n58	13n23	13n18	12s55	17s26	6n 1	

ASTRODIENST EPHEMERIS for the year 1706

geocentric

NOVEMBER 1706

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 39 13	8♉ 8'58	18♏ 11	0♉ 48	24♏ 27	10°R27	27♏ 51	1°R59	13♏ 4	19°R21	22♏ 57	5♏ 31	5♏ 13	4♉ 27	27♏ 9	M 1
T 2	2 43 10	9° 9'10	0♉ 10	2°27	25°33	10♏ 14	27°58	1♏ 55	13° 5	19°Y19	22°58	5°32	5°10	4°34	27°14	T 2
W 3	2 47 6	10° 9'24	12° 3	4° 6	26°38	10° 1	28° 6	1°51	13° 6	19°17	22°58	5°32	5° 7	4°41	27°19	W 3
T 4	2 51 3	11° 9'40	23°51	5°44	27°43	9°47	28°14	1°46	13° 7	19°16	22°59	5°33	5° 3	4°47	27°24	T 4
F 5	2 54 59	12° 9'58	5♉ 38	7°22	28°48	9°32	28°21	1°42	13° 7	19°14	23° 0	5°R33	5° 0	4°54	27°29	F 5
S 6	2 58 56	13°10'18	17°26	9° 0	29°53	9°16	28°28	1°37	13° 8	19°13	23° 0	5°33	4°57	5° 0	27°34	S 6
S 7	3 2 53	14°10'39	29°17	10°37	0♏ 57	8°59	28°35	1°33	13° 9	19°11	23° 1	5°32	4°54	5° 7	27°39	S 7
M 8	3 6 49	15°11'02	11♏ 13	12°14	2° 1	8°42	28°42	1°28	13° 9	19°10	23° 1	5°31	4°51	5°14	27°45	M 8
T 9	3 10 46	16°11'26	23°16	13°51	3° 5	8°24	28°49	1°24	13°10	19° 8	23° 2	5°29	4°48	5°20	27°50	T 9
W10	3 14 42	17°11'52	5♏ 29	15°27	4° 9	8° 5	28°56	1°19	13°11	19° 7	23° 2	5°28	4°44	5°27	27°55	W10
T 11	3 18 39	18°12'20	17°54	17° 3	5°13	7°46	29° 2	1°14	13°11	19° 6	23° 3	5°26	4°41	5°34	28° 0	T 11
F 12	3 22 35	19°12'49	0♏ 35	18°39	6°16	7°26	29° 9	1° 9	13°11	19° 4	23° 3	5°25	4°38	5°40	28° 6	F 12
S 13	3 26 32	20°13'19	13°34	20°14	7°19	7° 6	29°15	1° 5	13°12	19° 3	23° 3	5°24	4°35	5°47	28°11	S 13
S 14	3 30 29	21°13'51	26°54	21°50	8°21	6°46	29°21	1° 0	13°12	19° 1	23° 4	5°D24	4°32	5°54	28°17	S 14
M15	3 34 25	22°14'23	10♏ 38	23°25	9°23	6°24	29°27	0°55	13°12	19° 0	23° 4	5°24	4°28	6° 0	28°22	M15
T 16	3 38 22	23°14'57	24°45	24°59	10°25	6° 3	29°32	0°50	13°13	18°59	23° 4	5°26	4°25	6° 7	28°28	T 16
W17	3 42 18	24°15'32	9°Y16	26°34	11°27	5°41	29°38	0°45	13°13	18°57	23° 5	5°27	4°22	6°14	28°33	W17
T 18	3 46 15	25°16'08	24° 6	28° 8	12°28	5°19	29°43	0°40	13°13	18°56	23° 5	5°28	4°19	6°20	28°39	T 18
F 19	3 50 11	26°16'46	9♏ 10	29°43	13°29	4°57	29°49	0°36	13°R13	18°55	23° 5	5°R28	4°16	6°27	28°45	F 19
S 20	3 54 8	27°17'25	24°20	1♏ 16	14°29	4°34	29°54	0°31	13°13	18°54	23° 5	5°27	4°13	6°34	28°50	S 20
S 21	3 58 4	28°18'05	9♏ 26	2°50	15°29	4°11	29°59	0°26	13°13	18°52	23° 5	5°25	4° 9	6°40	28°56	S 21
M22	4 2 1	29°18'47	24°19	4°24	16°29	3°49	0♏ 4	0°21	13°13	18°51	23° 5	5°22	4° 6	6°47	29° 2	M22
T 23	4 5 58	0♏ 19'30	8♏ 31	5°58	17°28	3°26	0° 8	0°16	13°12	18°50	23° 6	5°19	4° 3	6°53	29° 8	T 23
W24	4 9 54	1°20'15	22°58	7°31	18°26	3° 3	0°13	0°11	13°12	18°49	23° 6	5°15	4° 0	7° 0	29°13	W24
T 25	4 13 51	2°21'01	6♏ 35	9° 4	19°25	2°40	0°17	0° 6	13°12	18°48	23°R 6	5°12	3°57	7° 7	29°19	T 25
F 26	4 17 47	3°21'49	19°45	10°38	20°22	2°18	0°21	0° 1	13°12	18°47	23° 6	5°10	3°54	7°13	29°25	F 26
S 27	4 21 44	4°22'38	2♏ 30	12°11	21°20	1°55	0°25	29♏ 56	13°11	18°46	23° 6	5°D 9	3°50	7°20	29°31	S 27
S 28	4 25 40	5°23'29	14°53	13°44	22°16	1°33	0°29	29°51	13°11	18°45	23° 6	5° 9	3°47	7°27	29°37	S 28
M29	4 29 37	6°24'21	27° 0	15°17	23°12	1°11	0°32	29°46	13°10	18°44	23° 5	5°11	3°44	7°33	29°43	M29
T 30	4 33 33	7♏ 25'14	8♏ 55	16♏ 50	24♏ 8	0♏ 49	0♏ 36	29♏ 42	13♏ 10	18°Y43	23♏ 5	5♏ 13	3♏ 41	7♏ 40	29♏ 49	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	14s15	8n16	3n54	10s44	1n 7	26s26	3s 5	22n15	0n12	13n 1	0n49	18n27	2s11	17n33	0n39	5n57	1s46	23n17	9n59	13n23	13n17	12s58	17s27	6n 0			
T 2	14 34	2 45	3 4	11 24	1 1	26 30	3 6	22 16	0 15	12 58	0 49	18 26	2 11	17 32	0 39	5 57	1 45	23 17	9 59	13 23	13 16	13 1	17 27	6 0			
W 3	14 53	2s49	2 7	12 3	0 54	26 34	3 7	22 17	0 18	12 56	0 49	18 26	2 11	17 32	0 39	5 56	1 45	23 17	9 59	13 23	13 15	13 4	17 27	6 0			
T 4	15 12	8 16	1 5	12 42	0 48	26 36	3 9	22 18	0 21	12 53	0 50	18 25	2 11	17 32	0 39	5 56	1 45	23 17	10 0	13 23	13 14	13 7	17 28	6 0			
F 5	15 31	13 26	0s 0	13 21	0 41	26 38	3 10	22 18	0 24	12 51	0 50	18 24	2 11	17 32	0 39	5 55	1 45	23 18	10 0	13 24	13 13	13 10	17 28	5 59			
S 6	15 49	18 7	1 6	13 59	0 34	26 40	3 11	22 19	0 27	12 48	0 50	18 23	2 11	17 32	0 39	5 55	1 45	23 18	10 0	13 23	13 12	13 13	17 28	5 59			
S 7	16 7	22 7	2 8	14 36	0 28	26 41	3 12	22 20	0 30	12 46	0 50	18 22	2 11	17 32	0 39	5 54	1 45	23 18	10 1	13 23	13 11	13 16	17 29	5 59			
M 8	16 25	25 13	3 5	15 12	0 21	26 41	3 13	22 20	0 33	12 44	0 50	18 21	2 11	17 31	0 39	5 53	1 45	23 18	10 1	13 23	13 10	13 19	17 29	5 58			
T 9	16 43	27 13	3 55	15 48	0 14	26 40	3 13	22 20	0 36	12 42	0 51	18 20	2 11	17 31	0 39	5 53	1 45	23 18	10 1	13 22	13 8	13 22	17 30	5 58			
W10	17 0	27 56	4 35	16 23	0 7	26 39	3 14	22 20	0 39	12 40	0 51	18 19	2 11	17 31	0 39	5 52	1 45	23 18	10 2	13 22	13 7	13 25	17 30	5 58			
T 11	17 17	27 16	5 2	16 57	0 1	26 37	3 14	22 20	0 42	12 38	0 51	18 18	2 11	17 31	0 39	5 52	1 45	23 19	10 2	13 21	13 6	13 28	17 30	5 58			
F 12	17 33	25 11	5 16	17 30	0s 6	26 34	3 15	22 20	0 45	12 36	0 51	18 17	2 11	17 31	0 39	5 51	1 45	23 19	10 2	13 21	13 5	13 31	17 30	5 58			
S 13	17 50	21 47	5 13	18 2	0 13	26 31	3 15	22 20	0 48	12 34	0 52	18 16	2 11	17 31	0 39	5 51	1 45	23 19	10 3	13 21	13 4	13 34	17 31	5 57			
S 14	18 6	17 10	4 55	18 34	0 19	26 27	3 15	22 19	0 51	12 32	0 52	18 15	2 11	17 31	0 39	5 50	1 45	23 19	10 3	13 21	13 3	13 37	17 31	5 57			
M15	18 22	11 35	4 19	19 4	0 26	26 23	3 15	22 19	0 54	12 30	0 52	18 14	2 11	17 31	0 40	5 50	1 45	23 19	10 4	13 21	13 2	13 41	17 31	5 57			
T 16	18 37	5 15	3 27	19 34	0 32	26 18	3 14	22 18	0 57	12 28	0 52	18 13	2 11	17 31	0 40	5 49	1 45	23 20	10 4	13 21	13 1	13 44	17 32	5 57			
W17	18 52	1n32	2 20	20 3	0 39	26 12	3 14	22 17	1 0	12 26	0 53	18 12	2 11	17 31	0 40	5 49	1 45	23 20	10 4	13 22	13 0	13 47	17 32	5 56			
T 18	19 7	8 24	1 2	20 31	0 45	26 6	3 13	22 16	1 3	12 25	0 53	18 12	2 11	17 31	0 40	5 49	1 45	23 20	10 5	13 22	12 59	13 50	17 32	5 56			
F 19	19 21	14 54	0n20	20 57	0 51	25 59	3 12	22 15	1 6	12 23	0 53	18 11	2 11	17 31	0 40	5 48	1 45	23 20	10 5	13 22	12 58	13 53	17 32	5 56			
S 20	19 35	20 32	1 42	21 23	0 57	25 51	3 11	22 13	1 9	12 21	0 53	18 10	2 11	17 31	0 40	5 48	1 45	23 21	10 5	13 22	12 57	13 56	17 33	5 56			
S 21	19 49	24 49	2 57	21 48	1 3	25 43	3 10	22 12	1 12	12 20	0 54	18 9	2 11	17 31	0 40	5 47	1 45	23 21	10 6	13 21	12 56	13 59	17 33	5 56			
M22	20 2	27 19	3 58	22 11	1 9	25 35	3 9	22 11	1 15	12 19	0 54	18 8	2 11	17 31	0 40	5 47	1 45	23 21	10 6	13 20	12 55	14 2	17 33	5 56			
T 23	20 15	27 52	4 42	22 34	1 15	25 26	3 7	22 9	1 18	12 17	0 54	18 7	2 11	17 31	0 40	5 46	1 45	23 22	10 7	13 19	12 53	14 5	17 33	5 55			
W24	20 28	26 34	5 7	22 55	1 20	25 16	3 5	22 7	1 21	12 16	0 54	18 6	2 11	17 31	0 40	5 46	1 45	23 22	10 7	13 18	12 52	14 8	17 33	5 55			
T 25	20 40	23 43	5 14	23 15	1 26	25 6	3 3	22 5	1 23	12 14	0 55	18 5	2 10	17 31	0 40	5 46	1 45	23 22	10 7	13 17	12 51	14 11	17 34	5 55			
F 26	20 52	19 43	5 4	23 34	1 31	24 55	3 1	22 4	1 26	12 13	0 55	18 4	2 10	17 32	0 40	5 45	1 45	23 23	10 8	13 16	12 50	14 14	17 34	5 55			
S 27	21 3	14 56	4 39	23 52	1 36	24 44	2 59	22 2	1 29	12 12	0 55	18 3	2 10	17 32	0 40	5 45	1 45	23 23	10 8	13 16	12 49	14 17	17 34	5 55			
S 28	21 14	9 41	4 2	24 9	1 40	24 32	2 56	22 0	1 31	12 11	0 55	18 2	2 10	17 32	0 40	5 44	1 45	23 23	10 8	13 16	12 48	14 20	17 34	5 55			
M29	21 25	4 10	3 15	24 24	1 45	24 20	2 54	21 57	1 34	12 10	0 56	18 1	2 10	17 32	0 40	5 44	1 45	23 24	10 9	13 16	12 47	14 23	17 34	5 55			
T 30	21s35	1s25	2n19	24s38	1s49	24s 7	2s51	21n55	1n36	12n 9	0n56	18n 0	2s10	17n32	0n40	5n44	1s45	23n24	10n 9	13n17	12n46	14s26	17s34	5n55			

ASTRODIENST EPHEMERIS for the year 1706
geocentric

DECEMBER 1706

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 37 30	8°26'09	20°44	18°23	25°3	0°R28	0°39	29°R37	13°R 9	18°R42	23°R 5	5°R14	3°R38	7°R47	29°R55	W 1
T 2	4 41 27	9°27'05	21°30	19°56	25°58	0°II 7	0°42	29°R32	13°R 8	18°R41	23°R 5	5°R15	3°R34	7°R53	0°R1	T 2
F 3	4 45 23	10°28'02	14°17	21°29	26°51	29°R46	0°45	29°R27	13°R 7	18°R40	23°R 5	5°R15	3°R31	8°R0	0°R7	F 3
S 4	4 49 20	11°29'00	26° 9	23° 1	27°45	29°R26	0°47	29°R22	13°R 7	18°R39	23°R 4	5°R13	3°R28	8°R7	0°R13	S 4
S 5	4 53 16	12°30'00	8°7	24°34	28°37	29° 6	0°50	29°R18	13°R 6	18°R38	23°R 4	5°R 8	3°R25	8°R13	0°R19	S 5
M 6	4 57 13	13°31'00	20°14	26° 6	29°29	28°47	0°52	29°R13	13°R 5	18°R37	23°R 4	5°R 3	3°R22	8°R20	0°R26	M 6
T 7	5 1 9	14°32'01	2°31	27°38	0°20	28°29	0°54	29°R 8	13°R 4	18°R37	23°R 4	4°R55	3°R19	8°R26	0°R32	T 7
W 8	5 5 6	15°33'03	14°59	29°10	1°10	28°11	0°56	29°R 4	13°R 3	18°R36	23°R 3	4°R48	3°R15	8°R33	0°R38	W 8
T 9	5 9 2	16°34'06	27°39	0°32	2° 0	27°54	0°58	28°R59	13°R 2	18°R35	23°R 3	4°R40	3°R12	8°R40	0°R44	T 9
F 10	5 12 59	17°35'09	10°30	2°14	2°48	27°38	0°59	28°R55	13°R 1	18°R34	23°R 2	4°R33	3°R 9	8°R46	0°R50	F 10
S 11	5 16 56	18°36'13	23°36	3°45	3°36	27°22	1° 1	28°R50	13°R 0	18°R34	23°R 2	4°R29	3°R 6	8°R53	0°R56	S 11
S 12	5 20 52	19°37'17	6°56	5°15	4°23	27° 7	1° 2	28°R46	12°R58	18°R33	23°R 1	4°R26	3°R 3	9°R 0	1°R 3	S 12
M13	5 24 49	20°38'22	20°32	6°45	5° 9	26°53	1° 3	28°R41	12°R57	18°R32	23°R 1	4°R25	3°R 0	9°R 6	1°R 9	M13
T14	5 28 45	21°39'26	4°Y26	8°14	5°54	26°39	1° 3	28°R37	12°R56	18°R32	23°R 0	4°R26	2°R56	9°R13	1°R15	T14
W15	5 32 42	22°40'32	18°37	9°42	6°38	26°27	1° 4	28°R33	12°R55	18°R31	23°R 0	4°R27	2°R53	9°R20	1°R21	W15
T16	5 36 38	23°41'37	3°R 5	11° 9	7°20	26°15	1° 4	28°R28	12°R53	18°R31	22°R59	4°R27	2°R50	9°R26	1°R28	T16
F17	5 40 35	24°42'43	17°46	12°35	8° 2	26° 4	1°R 4	28°R24	12°R52	18°R30	22°R59	4°R27	2°R47	9°R33	1°R34	F17
S18	5 44 31	25°43'49	2°II36	13°59	8°42	25°53	1° 4	28°R20	12°R50	18°R30	22°R58	4°R24	2°R44	9°R40	1°R40	S18
S19	5 48 28	26°44'55	17°27	15°21	9°22	25°44	1° 4	28°R16	12°R49	18°R30	22°R57	4°R18	2°R40	9°R46	1°R47	S19
M20	5 52 25	27°46'02	2°32	16°41	10° 0	25°35	1° 4	28°R12	12°R47	18°R29	22°R57	4°R11	2°R37	9°R53	1°R53	M20
T21	5 56 21	28°47'09	16°42	17°59	10°36	25°27	1° 3	28°R 8	12°R46	18°R29	22°R56	4°R 2	2°R34	10°R 0	1°R59	T21
W22	6 0 18	29°48'17	0°R51	19°13	11°12	25°20	1° 2	28°R 4	12°R44	18°R29	22°R55	3°R52	2°R31	10°R 6	2°R 5	W22
T23	6 4 14	0°R49'25	14°34	20°24	11°46	25°14	1° 1	28°R 1	12°R42	18°R28	22°R54	3°R43	2°R28	10°R13	2°R12	T23
F24	6 8 11	1°50'33	27°50	21°30	12°18	25° 9	1° 0	27°R57	12°R40	18°R28	22°R54	3°R36	2°R25	10°R19	2°R18	F24
S25	6 12 7	2°51'42	10°R40	22°32	12°49	25° 4	0°59	27°R54	12°R39	18°R28	22°R53	3°R31	2°R21	10°R26	2°R24	S25
S26	6 16 4	3°52'51	23° 7	23°28	13°18	25° 1	0°57	27°R50	12°R37	18°R28	22°R52	3°R29	2°R18	10°R33	2°R31	S26
M27	6 20 1	4°54'01	5°R15	24°17	13°46	24°58	0°55	27°R47	12°R35	18°R28	22°R51	3°R28	2°R15	10°R39	2°R37	M27
T28	6 23 57	5°55'11	17°11	25° 0	14°11	24°56	0°53	27°R43	12°R33	18°R27	22°R50	3°R28	2°R12	10°R46	2°R43	T28
W29	6 27 54	6°56'22	28°59	25°34	14°36	24°54	0°51	27°R40	12°R31	18°R27	22°R49	3°R29	2°R 9	10°R53	2°R49	W29
T30	6 31 50	7°57'32	10°R46	25°59	14°58	24°D54	0°49	27°R37	12°R29	18°R27	22°R48	3°R29	2°R 6	10°R59	2°R56	T30
F31	6 35 47	8°58'43	22°R35	26°R14	15°R18	24°R54	0°46	27°R34	12°R27	18°R27	22°R47	3°R27	2°R 2	11°R 6	3°R 2	F31

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	21s45	6s54	1n19	24s51	1s53	23s54	2s48	21n53	1n38	12n 8	0n56	17n59	2s10	17n32	0n40	5n43	1s45	23n25	10n 9	13n17	12n45	14s29	17s34	5n54					
T 2	21 54	12 7	0 15	25 2	1 57	23 41	2 44	21 51	1 41	12 7	0 56	17 58	2 10	17 33	0 40	5 43	1 45	23 25	10 10	13 18	12 44	14 32	17 34	5 54					
F 3	22 3	16 56	0s49	25 13	2 1	23 27	2 41	21 49	1 43	12 7	0 57	17 57	2 10	17 33	0 40	5 43	1 44	23 25	10 10	13 18	12 43	14 35	17 35	5 54					
S 4	22 12	21 8	1 52	25 21	2 4	23 13	2 37	21 46	1 45	12 6	0 57	17 57	2 9	17 33	0 40	5 43	1 44	23 26	10 11	13 17	12 42	14 38	17 35	5 54					
S 5	22 20	24 29	2 50	25 29	2 7	22 58	2 33	21 44	1 47	12 5	0 57	17 56	2 9	17 33	0 40	5 42	1 44	23 26	10 11	13 15	12 40	14 41	17 35	5 54					
M 6	22 28	26 47	3 40	25 34	2 9	22 43	2 28	21 42	1 49	12 5	0 57	17 55	2 9	17 34	0 40	5 42	1 44	23 27	10 11	13 13	12 39	14 44	17 35	5 54					
T 7	22 35	27 49	4 22	25 39	2 11	22 27	2 24	21 40	1 51	12 4	0 58	17 54	2 9	17 34	0 40	5 42	1 44	23 27	10 12	13 11	12 38	14 47	17 35	5 54					
W 8	22 42	27 27	4 51	25 42	2 13	22 12	2 19	21 37	1 53	12 4	0 58	17 53	2 9	17 34	0 40	5 42	1 44	23 28	10 12	13 8	12 37	14 50	17 35	5 54					
T 9	22 48	25 41	5 7	25 43	2 15	21 56	2 14	21 35	1 55	12 3	0 58	17 52	2 9	17 35	0 41	5 41	1 44	23 28	10 12	13 6	12 36	14 53	17 35	5 54					
F 10	22 54	22 34	5 7	25 43	2 16	21 39	2 9	21 33	1 56	12 3	0 58	17 51	2 9	17 35	0 41	5 41	1 44	23 29	10 13	13 4	12 35	14 56	17 35	5 54					
S 11	22 59	18 16	4 52	25 42	2 16	21 23	2 3	21 31	1 58	12 3	0 59	17 51	2 8	17 35	0 41	5 41	1 44	23 29	10 13	13 2	12 34	14 59	17 35	5 54					
S 12	23 4	13 1	4 21	25 39	2 16	21 6	1 58	21 29	2 0	12 3	0 59	17 50	2 8	17 36	0 41	5 41	1 44	23 29	10 13	13 1	12 33	15 2	17 35	5 54					
M13	23 9	7 3	3 35	25 34	2 16	20 49	1 51	21 27	2 1	12 3	0 59	17 49	2 8	17 36	0 41	5 41	1 44	23 30	10 14	13 1	12 32	15 5	17 35	5 54					
T14	23 13	0 36	2 35	25 28	2 15	20 32	1 45	21 26	2 3	12 3	0 59	17 48	2 8	17 37	0 41	5 40	1 44	23 30	10 14	13 1	12 31	15 7	17 35	5 54					
W15	23 17	6n 0	1 25	25 20	2 13	20 14	1 38	21 24	2 4	12 3	1 0	17 47	2 8	17 37	0 41	5 40	1 44	23 31	10 14	13 1	12 30	15 10	17 35	5 54					
T16	23 20	12 27	0 7	25 11	2 11	19 56	1 31	21 22	2 5	12 3	1 0	17 47	2 8	17 37	0 41	5 40	1 44	23 32	10 15	13 2	12 29	15 13	17 35	5 54					
F17	23 22	18 18	1n11	25 1	2 8	19 39	1 24	21 21	2 6	12 3	1 0	17 46	2 7	17 38	0 41	5 40	1 44	23 32	10 15	13 1	12 27	15 16	17 34	5 54					
S18	23 25	23 6	2 26	24 49	2 5	19 21	1 17	21 20	2 8	12 3	1 0	17 45	2 7	17 38	0 41	5 40	1 44	23 33	10 15	13 0	12 26	15 19	17 34	5 54					
S19	23 26	26 22	3 30	24 35	2 1	19 3	1 9	21 18	2 9	12 4	1 1	17 45	2 7	17 39	0 41	5 40	1 44	23 33	10 16	12 59	12 25	15 22	17 34	5 54					
M20	23 28	27 47	4 20	24 21	1 55	18 45	1 1	21 17	2 10	12 4	1 1	17 44	2 7	17 39	0 41	5 40	1 44	23 34	10 16	12 56	12 24	15 25	17 34	5 54					
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F31	23s10	20s 4	1s40	20s49	0n 7	15s28	0n50	21n15	2n18	12n13	1n 4	17n38	2s 4	17n45	0n41	5n40	1s43	23n40	10n19	12n41	12n12	15s57	17s32	5n55					