



Astrodienst Ephemeris Tables for the year 1704

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPH

ASTRODIENST EPHEMERIS for the year 1704

geocentric

JANUARY 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 38 38	9°34'06"	17°23'30"	1°34'	25°55'	23°51'	11°15'	15°59'	27°51'	11°44'	17°27'	0°31'	0°31'	9°27'	2°16'	T 1
W 2	6 42 35	10°44'16"	1°11'	3° 9'	26°40'	24°31'	11°14'	16° 0'	27°49'	11°44'	17°26'	0°32'	0°32'	9°13'	2°23'	W 2
T 3	6 46 31	11°45'27"	14°57'	4°43'	27°25'	25°11'	11°13'	16° 2'	27°46'	11°44'	17°25'	0°32'	0°32'	9°20'	2°30'	T 3
F 4	6 50 28	12°46'38"	29°20'	6°18'	28°12'	25°51'	11°13'	16° 3'	27°44'	11°45'	17°23'	0°34'	0°34'	9°26'	2°36'	F 4
S 5	6 54 24	13°47'49"	14°17' 6"	7°53'	29° 0'	26°31'	11°12'	16° 5'	27°41'	11°45'	17°22'	0°34'	0°34'	9°33'	2°43'	S 5
S 6	6 58 21	14°49'00"	29° 9'	9°29'	29°49'	27°11'	11°12'	16° 7'	27°39'	11°46'	17°21'	0°35'	0°35'	9°40'	2°49'	S 6
M 7	7 2 18	15°50'11"	14°32'22"	11° 5'	0°38'	27°51'	11°12'	16° 9'	27°36'	11°46'	17°20'	0°34'	0°34'	9°46'	2°56'	M 7
T 8	7 6 14	16°51'22"	29°36'	12°41'	1°28'	28°31'	11°13'	16°11'	27°34'	11°47'	17°19'	0°33'	0°33'	9°53'	3° 2'	T 8
W 9	7 10 11	17°52'32"	14°39'	14°18'	2°19'	29°11'	11°13'	16°13'	27°31'	11°47'	17°18'	0°31'	0°31'	10° 0'	3° 8'	W 9
T 10	7 14 7	18°53'42"	29°23'	15°55'	3°11'	29°52'	11°14'	16°16'	27°28'	11°48'	17°16'	0°29'	0°29'	10° 6'	3°14'	T 10
F 11	7 18 4	19°54'51"	13°43'	17°33'	4° 4'	0°32'	11°15'	16°18'	27°26'	11°48'	17°15'	0°26'	0°26'	10°13'	3°21'	F 11
S 12	7 22 0	20°55'59"	27°35'	19°12'	4°57'	1°12'	11°16'	16°21'	27°23'	11°49'	17°14'	0°24'	0°24'	10°20'	3°27'	S 12
S 13	7 25 57	21°57'06"	10°59'	20°51'	5°51'	1°52'	11°17'	16°23'	27°21'	11°50'	17°13'	0°23'	0°23'	10°26'	3°33'	S 13
M14	7 29 53	22°58'12"	23°57'	22°30'	6°45'	2°32'	11°19'	16°26'	27°18'	11°50'	17°11'	0°22'	0°22'	10°33'	3°39'	M14
T 15	7 33 50	23°59'18"	6°32'	24°10'	7°40'	3°13'	11°20'	16°29'	27°15'	11°51'	17°10'	0°23'	0°23'	10°40'	3°45'	T 15
W16	7 37 47	25° 0'23"	18°49'	25°51'	8°36'	3°53'	11°22'	16°32'	27°13'	11°52'	17° 9'	0°24'	0°24'	10°46'	3°50'	W16
T 17	7 41 43	26° 1'27"	0°12'52"	27°32'	9°32'	4°33'	11°24'	16°35'	27°10'	11°53'	17° 7'	0°26'	0°26'	10°53'	3°56'	T 17
F 18	7 45 40	27° 2'30"	12°46'	29°13'	10°29'	5°13'	11°27'	16°38'	27° 8'	11°54'	17° 6'	0°28'	0°28'	11° 0'	4° 2'	F 18
S 19	7 49 36	28° 3'33"	24°35'	0°55'	11°26'	5°54'	11°29'	16°41'	27° 5'	11°55'	17° 5'	0°29'	0°29'	11° 6'	4° 7'	S 19
S 20	7 53 33	29° 4'34"	6°22'	2°38'	12°24'	6°34'	11°32'	16°44'	27° 2'	11°56'	17° 3'	0°29'	0°29'	11°13'	4°13'	S 20
M21	7 57 29	0°53'34"	18°10'	4°21'	13°23'	7°14'	11°35'	16°48'	27° 0'	11°56'	17° 2'	0°27'	0°27'	11°20'	4°18'	M21
T 22	8 1 26	1° 6'34"	0°12' 1"	6° 5'	14°21'	7°55'	11°38'	16°51'	26°57'	11°57'	17° 0'	0°24'	0°24'	11°26'	4°24'	T 22
W23	8 5 22	2° 7'33"	11°58'	7°49'	15°21'	8°35'	11°41'	16°55'	26°54'	11°58'	16°59'	0°20'	0°20'	11°33'	4°29'	W23
T 24	8 9 19	3° 8'31"	24° 2'	9°34'	16°20'	9°15'	11°45'	16°59'	26°52'	12° 0'	16°58'	0°14'	0°14'	11°39'	4°34'	T 24
F 25	8 13 16	4° 9'28"	6°11'15"	11°18'	17°21'	9°56'	11°48'	17° 2'	26°49'	12° 1'	16°56'	0° 8'	0° 8'	11°46'	4°40'	F 25
S 26	8 17 12	5°10'24"	18°38'	13° 4'	18°21'	10°36'	11°52'	17° 6'	26°47'	12° 2'	16°55'	0° 1'	0° 1'	11°53'	4°45'	S 26
S 27	8 21 9	6°11'19"	1°12'12"	14°49'	19°22'	11°16'	11°56'	17°10'	26°44'	12° 3'	16°53'	29°11'56"	28°39'	11°59'	4°50'	S 27
M28	8 25 5	7°12'14"	14° 1'	16°35'	20°23'	11°57'	12° 1'	17°14'	26°42'	12° 4'	16°52'	29°52'	28°36'	12° 6'	4°55'	M28
T 29	8 29 2	8°13'08"	27° 6'	18°21'	21°25'	12°37'	12° 5'	17°18'	26°39'	12° 5'	16°51'	29°49'	28°32'	12°13'	5° 0'	T 29
W30	8 32 58	9°14'01"	10°12'29"	20° 6'	22°27'	13°18'	12°10'	17°23'	26°36'	12° 6'	16°49'	29°D49"	28°29'	12°19'	5° 4'	W30
T 31	8 36 55	10°14'53"	24°11'13"	21°55'	23°30'	13°58'	12°14'	17°27'	26°34'	12° 8'	16°48'	29°11'49"	28°11'26"	12°26'	5° 9'	T 31

Delta T = 13.01 sec

Greg. Calendar

FEBRUARY 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 40 51	11°15'44"	8°18'	23°36'	24°32'	14°39'	12°19'	17°31'	26°R31"	12° 9'	16°R46"	29°11'51"	28°11'23"	12°33'	5°14'	F 1
S 2	8 44 48	12°16'35"	22°44'	25°20'	25°35'	15°19'	12°25'	17°36'	26°29'	12°10'	16°45'	29°R52"	28°20'	12°39'	5°18'	S 2
S 3	8 48 45	13°17'25"	7°29'	27° 3'	26°39'	16° 0'	12°30'	17°40'	26°26'	12°12'	16°43'	29°52'	28°16'	12°46'	5°23'	S 3
M 4	8 52 41	14°18'14"	22°27'	28°44'	27°42'	16°40'	12°35'	17°45'	26°24'	12°13'	16°42'	29°50'	28°13'	12°53'	5°27'	M 4
T 5	8 56 38	15°19'01"	7°31'	0°23'	28°46'	17°21'	12°41'	17°50'	26°22'	12°14'	16°40'	29°46'	28°10'	12°59'	5°31'	T 5
W 6	9 0 34	16°19'47"	22°32'	2° 1'	29°51'	18° 1'	12°47'	17°55'	26°19'	12°16'	16°39'	29°40'	28° 7'	13° 6'	5°36'	W 6
T 7	9 4 31	17°20'32"	7°12'	3°35'	0°55'	18°42'	12°53'	18° 0'	26°17'	12°17'	16°38'	29°32'	28° 4'	13°13'	5°40'	T 7
F 8	9 8 27	18°21'15"	21°48'	5° 6'	2° 0'	19°22'	12°59'	18° 5'	26°14'	12°19'	16°36'	29°24'	28° 1'	13°19'	5°44'	F 8
S 9	9 12 24	19°21'57"	5°49'	6°34'	3° 5'	20° 3'	13° 6'	18°10'	26°12'	12°20'	16°35'	29°16'	27°57'	13°26'	5°48'	S 9
S 10	9 16 20	20°22'37"	19°21'	7°57'	4°10'	20°44'	13°12'	18°15'	26°10'	12°22'	16°33'	29°10'	27°54'	13°33'	5°51'	S 10
M11	9 20 17	21°23'15"	2°26'	9°14'	5°15'	21°24'	13°19'	18°20'	26° 7'	12°23'	16°32'	29° 6'	27°51'	13°39'	5°55'	M11
T 12	9 24 14	22°23'52"	15° 5'	10°26'	6°21'	22° 5'	13°26'	18°25'	26° 5'	12°25'	16°30'	29° 4'	27°48'	13°46'	5°59'	T 12
W13	9 28 10	23°24'27"	27°24'	11°31'	7°27'	22°45'	13°33'	18°31'	26° 3'	12°27'	16°29'	29°D 4"	27°45'	13°52'	6° 2'	W13
T 14	9 32 7	24°25'00"	9°12'26"	12°28'	8°33'	23°26'	13°40'	18°36'	26° 1'	12°28'	16°27'	29° 5'	27°42'	13°59'	6° 6'	T 14
F 15	9 36 3	25°25'31"	21°19'	13°18'	9°39'	24° 7'	13°47'	18°42'	25°58'	12°30'	16°26'	29° 6'	27°38'	14° 6'	6° 9'	F 15
S 16	9 40 0	26°26'01"	3°25'	13°59'	10°45'	24°47'	13°55'	18°47'	25°56'	12°32'	16°25'	29°R 6"	27°35'	14°12'	6°12'	S 16
S 17	9 43 56	27°26'29"	14°52'	14°31'	11°52'	25°28'	14° 2'	18°53'	25°54'	12°33'	16°23'	29° 4'	27°32'	14°19'	6°16'	S 17
M18	9 47 53	28°26'55"	26°42'	14°53'	12°59'	26° 8'	14°10'	18°59'	25°52'	12°35'	16°22'	29° 1'	27°29'	14°26'	6°19'	M18
T 19	9 51 49	29°27'19"	8°39'	15° 6'	14° 6'	26°49'	14°18'	19° 4'	25°50'	12°37'	16°20'	28°54'	27°26'	14°32'	6°22'	T 19
W20	9 55 46	0°27'41"	20°45'	15°R 8"	15°13'	27°30'	14°26'	19°10'	25°48'	12°39'	16°19'	28°45'	27°22'	14°39'	6°25'	W20
T 21	9 59 43	1°28'02"	3°11' 2"	15° 1'	16°20'	28°10'	14°34'	19°16'	25°46'	12°40'	16°17'	28°34'	27°19'	14°46'	6°27'	T 21
F 22	10 3 39	2°28'21"	15°31'	14°44'	17°28'	28°51'	14°43'	19°22'	25°44'	12°42'	16°16'	28°22'	27°16'	14°52'	6°30'	F 22
S 23	10 7 36	3°28'38"	28°11'	14°17'	18°35'	29°32'	14°51'	19°28'	25°42'	12°44'	16°15'	28°10'	27°13'	14°59'	6°33'	S 23
S 24	10 11 32	4°28'53"	11°12' 2"	13°42'	19°43'	0°13'	15° 0'	19°34'	25°40'	12°46'	16°13'	27°59'	27°10'	15° 6'	6°35'	S 24
M25	10 15 29	5°29'07"	24° 6'	12°59'	20°51'	0°53'	15° 8'	19°40'	25°38'	12°48'	16°12'	27°51'	27° 7'	15°12'	6°37'	M25
T 26	10 19 25	6°29'20"	7°11'21"	12°10'	21°59'	1°34'	15°17'	19°47'	25°37'	12°50'	16°11'	27°45'	27° 3'	15°19'	6°40'	T 26
W27	10 23 22	7°29'31"	20°49'	11°15'	23° 7'	2°15'	15°26'	19°53'	25°35'	12°52'	16° 9'	27°41'	27° 0'	15°26'	6°42'	W27
T 28	10 27 18	8°29'40"	4°30'	10°17'	24°16'	2°56'	15°35'	19°59'	25°33'	12°54'	16° 8'	27°D40"	26° 5'	15°32'	6°44'	T 28
F 29	10 31 15	9°29'48"	18°12'25"	9°16'	25°24'	3°36'	15°45'	20° 9'	25°31'	12°55'	16° 7'	27°11'40"	26°11'54"	15°39'	6°46'	F 29

Delta T = 12.99 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1704

geocentric

MARCH 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 12	10 ^h 29'55"	2 ^h 34'	8°R14	26 ^h 33'	4 ^h 17'	15 ^h 54'	20 ^h 12'	25°R30	12 ^h 57'	16°R 5	27°R40	26 ^h 51'	15 ^h 46'	6 ^h 48'	S 1
S 2	10 39 8	11°30'00"	16°57'	7 ^h 13'	27°42'	4°58'	16° 3'	20°19'	25 ^h 28'	12°59'	16 ^h 04'	27 ^h 39'	26°48'	15°52'	6°50'	S 2
M 3	10 43 5	12°30'03"	1 ^h 32'	6°13'	28°50'	5°39'	16°13'	20°25'	25°27'	13° 1'	16° 3'	27°35'	26°44'	15°59'	6°51'	M 3
T 4	10 47 1	13°30'05"	16°12'	5°17'	29°59'	6°19'	16°23'	20°32'	25°25'	13° 3'	16° 1'	27°29'	26°41'	16° 5'	6°53'	T 4
W 5	10 50 58	14°30'04"	0 ^h 53'	4°24'	1 ^h 8'	7° 0'	16°33'	20°38'	25°24'	13° 5'	16° 0'	27°20'	26°38'	16°12'	6°54'	W 5
T 6	10 54 54	15°30'02"	15°26'	3°37'	2°18'	7°41'	16°43'	20°45'	25°22'	13° 8'	15°59'	27° 8'	26°35'	16°19'	6°56'	T 6
F 7	10 58 51	16°29'58"	29°45'	2°55'	3°27'	8°22'	16°53'	20°52'	25°21'	13°10'	15°58'	26°56'	26°32'	16°25'	6°57'	F 7
S 8	11 2 47	17°29'52"	13 ^h 42'	2°19'	4°36'	9° 3'	17° 3'	20°58'	25°19'	13°12'	15°56'	26°45'	26°28'	16°32'	6°58'	S 8
S 9	11 6 44	18°29'44"	27°14'	1°49'	5°46'	9°43'	17°13'	21° 5'	25°18'	13°14'	15°55'	26°35'	26°25'	16°39'	6°59'	S 9
M10	11 10 40	19°29'33"	10 ^h 21'	1°26'	6°55'	10°24'	17°24'	21°12'	25°17'	13°16'	15°54'	26°27'	26°22'	16°45'	7° 0'	M10
T 11	11 14 37	20°29'21"	23° 4'	1° 9'	8° 5'	11° 5'	17°34'	21°19'	25°16'	13°18'	15°53'	26°22'	26°19'	16°52'	7° 1'	T 11
W12	11 18 34	21°29'06"	5 ^h 25'	0°59'	9°15'	11°46'	17°45'	21°26'	25°15'	13°20'	15°52'	26°20'	26°16'	16°59'	7° 2'	W12
T 13	11 22 30	22°28'49"	17°30'	0°D54	10°24'	12°27'	17°56'	21°33'	25°14'	13°22'	15°51'	26°19'	26°13'	17° 5'	7° 2'	T 13
F 14	11 26 27	23°28'30"	29°24'	0°56'	11°34'	13° 7'	18° 6'	21°40'	25°13'	13°24'	15°50'	26°19'	26° 9'	17°12'	7° 3'	F 14
S 15	11 30 23	24°28'08"	11 ^h 12'	1° 4'	12°44'	13°48'	18°17'	21°47'	25°12'	13°27'	15°48'	26°18'	26° 6'	17°19'	7° 3'	S 15
S 16	11 34 20	25°27'45"	23° 0'	1°17'	13°54'	14°29'	18°28'	21°54'	25°11'	13°29'	15°47'	26°16'	26° 3'	17°25'	7° 3'	S 16
M17	11 38 16	26°27'18"	4 ^h 53'	1°36'	15° 4'	15°10'	18°40'	22° 1'	25°10'	13°31'	15°46'	26°12'	26° 0'	17°32'	7° 4'	M17
T 18	11 42 13	27°26'50"	16°55'	1°59'	16°14'	15°50'	18°51'	22° 8'	25° 9'	13°33'	15°45'	26° 5'	25°57'	17°39'	7°R 4	T 18
W19	11 46 9	28°26'20"	29°10'	2°27'	17°25'	16°31'	19° 2'	22°16'	25° 8'	13°35'	15°44'	25°55'	25°53'	17°45'	7° 4'	W19
T 20	11 50 6	29°25'47"	11 ^h 39'	3° 0'	18°35'	17°12'	19°13'	22°23'	25° 7'	13°38'	15°43'	25°43'	25°50'	17°52'	7° 4'	T 20
F 21	11 54 3	0 ^h 25'12"	24°24'	3°37'	19°45'	17°53'	19°25'	22°30'	25° 7'	13°40'	15°42'	25°30'	25°47'	17°59'	7° 3'	F 21
S 22	11 57 59	1°24'35"	7 ^h 24'	4°18'	20°56'	18°34'	19°36'	22°37'	25° 6'	13°42'	15°41'	25°16'	25°44'	18° 5'	7° 3'	S 22
S 23	12 1 56	2°23'56"	20°38'	5° 2'	22° 6'	19°14'	19°48'	22°45'	25° 6'	13°44'	15°40'	25° 4'	25°41'	18°12'	7° 3'	S 23
M24	12 5 52	3°23'15"	4 ^h 11'	5°50'	23°17'	19°55'	20° 0'	22°52'	25° 5'	13°46'	15°40'	24°54'	25°38'	18°19'	7° 2'	M24
T 25	12 9 49	4°22'32"	17°40'	6°42'	24°28'	20°36'	20°12'	22°59'	25° 5'	13°49'	15°39'	24°47'	25°34'	18°25'	7° 1'	T 25
W26	12 13 45	5°21'47"	1 ^h 24'	7°36'	25°38'	21°17'	20°23'	23° 7'	25° 4'	13°51'	15°38'	24°43'	25°31'	18°32'	7° 1'	W26
T 27	12 17 42	6°21'01"	15°16'	8°34'	26°49'	21°58'	20°35'	23°14'	25° 4'	13°53'	15°37'	24°42'	25°28'	18°39'	7° 0'	T 27
F 28	12 21 38	7°20'13"	29°14'	9°34'	28° 0'	22°38'	20°47'	23°22'	25° 3'	13°55'	15°36'	24°D41	25°25'	18°45'	6°59'	F 28
S 29	12 25 35	8°19'23"	13 ^h 19'	10°37'	29°11'	23°19'	21° 0'	23°29'	25° 3'	13°58'	15°35'	24°R41	25°22'	18°52'	6°58'	S 29
S 30	12 29 32	9°18'31"	27°29'	11°43'	0 ^h 22'	24° 0'	21°12'	23°37'	25° 3'	14° 0'	15°35'	24°40'	25°19'	18°59'	6°57'	S 30
M31	12 33 28	10 ^h 17'38"	11 ^h 43'	12 ^h 51'	1 ^h 33'	24 ^h 41'	21 ^h 24'	23 ^h 44'	25 ^h 3'	14 ^h 2'	15 ^h 34'	24 ^h 37'	25 ^h 15'	19 ^h 5'	6 ^h 56'	M31

Delta T = 12.96 sec

Greg. Calendar

APRIL 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 25	11 ^h 16'42"	25 ^h 59'	14 ^h 1'	2 ^h 44'	25 ^h 21'	21 ^h 36'	23 ^h 52'	25°R 3	14 ^h 4'	15°R33	24°R31	25 ^h 12'	19 ^h 12'	6°R54	T 1
W 2	12 41 21	12°15'45"	10 ^h 12'	15°13'	3°55'	26° 2'	21°49'	23°59'	25°D 3	14° 7'	15 ^h 32'	24 ^h 23'	25° 9'	19°18'	6 ^h 53'	W 2
T 3	12 45 18	13°14'46"	24°19'	16°28'	5° 6'	26°43'	22° 1'	24° 7'	25 ^h 28'	14° 9'	15°32'	24°12'	25° 6'	19°25'	6°51'	T 3
F 4	12 49 14	14°13'45"	8 ^h 15'	17°44'	6°17'	27°23'	22°14'	24°14'	25° 3'	14°11'	15°31'	24° 1'	25° 3'	19°32'	6°50'	F 4
S 5	12 53 11	15°12'42"	21°55'	19° 3'	7°28'	28° 4'	22°26'	24°22'	25° 3'	14°14'	15°30'	23°50'	24°59'	19°38'	6°48'	S 5
S 6	12 57 7	16°11'37"	5 ^h 15'	20°24'	8°40'	28°45'	22°39'	24°29'	25° 3'	14°16'	15°30'	23°40'	24°56'	19°45'	6°46'	S 6
M 7	13 1 4	17°10'30"	18°14'	21°46'	9°51'	29°25'	22°52'	24°37'	25° 3'	14°18'	15°29'	23°33'	24°53'	19°52'	6°44'	M 7
T 8	13 5 1	18° 9'21"	0 ^h 53'	23°10'	11° 2'	0 ^h 36'	23° 4'	24°45'	25° 4'	14°20'	15°29'	23°28'	24°50'	19°58'	6°42'	T 8
W 9	13 8 57	19° 8'10"	13°14'	24°36'	12°14'	0°47'	23°17'	24°52'	25° 4'	14°23'	15°28'	23°25'	24°47'	20° 5'	6°40'	W 9
T 10	13 12 54	20° 6'56"	25°19'	26° 4'	13°25'	1°27'	23°30'	25° 0'	25° 4'	14°25'	15°28'	23°D25	24°44'	20°12'	6°38'	T 10
F 11	13 16 50	21° 5'40"	7 ^h 14'	27°34'	14°36'	2° 8'	23°43'	25° 7'	25° 5'	14°27'	15°27'	23°25'	24°40'	20°18'	6°36'	F 11
S 12	13 20 47	22° 4'22"	19° 4'	29° 5'	15°48'	2°48'	23°56'	25°15'	25° 5'	14°29'	15°27'	23°R26	24°37'	20°25'	6°33'	S 12
S 13	13 24 43	23° 3'02"	0 ^h 53'	0 ^h 38'	16°59'	3°29'	24° 9'	25°23'	25° 6'	14°32'	15°26'	23°26'	24°34'	20°32'	6°31'	S 13
M14	13 28 40	24° 1'40"	12°48'	2°13'	18°11'	4° 9'	24°22'	25°30'	25° 6'	14°34'	15°26'	23°24'	24°31'	20°38'	6°28'	M14
T 15	13 32 36	25° 0'15"	24°53'	3°49'	19°22'	4°50'	24°35'	25°38'	25° 7'	14°36'	15°26'	23°20'	24°28'	20°45'	6°26'	T 15
W16	13 36 33	25°58'48"	7 ^h 13'	5°27'	20°34'	5°30'	24°49'	25°46'	25° 8'	14°38'	15°25'	23°13'	24°25'	20°52'	6°23'	W16
T 17	13 40 29	26°57'19"	19°50'	7° 7'	21°46'	6°11'	25° 2'	25°53'	25° 9'	14°41'	15°25'	23° 5'	24°21'	20°58'	6°20'	T 17
F 18	13 44 26	27°55'48"	2 ^h 46'	8°48'	22°57'	6°51'	25°15'	26° 1'	25° 9'	14°43'	15°25'	22°56'	24°18'	21° 5'	6°18'	F 18
S 19	13 48 23	28°54'14"	16° 2'	10°31'	24° 9'	7°32'	25°28'	26° 8'	25°10'	14°45'	15°25'	22°46'	24°15'	21°12'	6°15'	S 19
S 20	13 52 19	29°52'39"	29°37'	12°16'	25°21'	8°12'	25°42'	26°16'	25°11'	14°47'	15°24'	22°38'	24°12'	21°18'	6°12'	S 20
M21	13 56 16	0 ^h 51'02"	13 ^h 27'	14° 2'	26°32'	8°52'	25°55'	26°24'	25°12'	14°49'	15°24'	22°31'	24° 9'	21°25'	6° 9'	M21
T 22	14 0 12	1°49'24"	27°29'	15°50'	27°44'	9°33'	26° 9'	26°31'	25°13'	14°52'	15°24'	22°26'	24° 5'	21°32'	6° 6'	T 22
W23	14 4 9	2°47'43"	11 ^h 38'	17°40'	28°56'	10°13'	26°22'	26°39'	25°14'	14°54'	15°24'	22°24'	24° 2'	21°38'	6° 2'	W23
T 24	14 8 5	3°46'01"	25°52'	19°32'	0 ^h 8'	10°53'	26°36'	26°47'	25°15'	14°56'	15°24'	22°D23	23°59'	21°45'	5°59'	T 24
F 25	14 12 2	4°44'18"	10 ^h 3'	21°25'	1°20'	11°33'	26°49'	26°54'	25°17'	14°58'	15°24'	22°24'	23°56'	21°52'	5°56'	F 25
S 26	14 15 58	5°42'33"	24°19'	23°20'	2°32'	12°14'	27° 3'	27° 2'	25°18'	15° 0'	15°24'	22°25'	23°53'	21°58'	5°52'	S 26
S 27	14 19 55	6°40'46"	8 ^h 29'	25°17'	3°43'	12°54'	27°16'	27° 9'	25°19'	15° 2'	15°D24	22°R25	23°50'	22° 5'	5°49'	S 27
M28	14 23 52	7°38'58"	22°33'	27°15'	4°55'	13°34'	27°30'	27°17'	25°21'	15° 5'	15°24'	22°24'	23°46'	22°12'	5°45'	M28
T 29	14 27 48	8°37'09"	6 ^h 32'	29°15'	6° 7'	14°14'	27°44'	27°24'	25°22'	15° 7'	15°24'	22°22'	23°43'	22°18'	5°42'	T 29
W30	14 31 45	9 ^h 35'18"	20 ^h 22'	1 ^h 17'	7 ^h 19'	14 ^h 54'	27 ^h 57'	27 ^h 32'	25 ^h 23'	15 ^h 9'	15 ^h 24'	22 ^h 17'	23 ^h 40'	22 ^h 25'	5 ^h 38'	W30

Delta T = 12.94 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1704
geocentric

MAY 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 35 41	10♂33'25	4♂ 3	3♂20	8♂31	15♂34	28♂11	27♂39	25♂25	15♂11	15♂24	22♂R11	23♂37	22♂32	5♂R34	T 1
F 2	14 39 38	11°31'31	17°32	5°25	9°43	16°14	28°25	27°47	25°26	15°13	15°24	22♂II 4	23°34	22°38	5♂31	F 2
S 3	14 43 34	12°29'36	0♂47	7°31	10°55	16°54	28°39	27°54	25°28	15°15	15°24	21°57	23°30	22°45	5°27	S 3
S 4	14 47 31	13°27'39	13°46	9°38	12° 8	17°33	28°52	28° 2	25°30	15°17	15°24	21°52	23°27	22°52	5°23	S 4
M 5	14 51 27	14°25'40	26°30	11°47	13°20	18°13	29° 6	28° 9	25°31	15°19	15°25	21°47	23°24	22°58	5°19	M 5
T 6	14 55 24	15°23'40	8♂58	13°56	14°32	18°53	29°20	28°17	25°33	15°21	15°25	21°45	23°21	23° 5	5°15	T 6
W 7	14 59 21	16°21'38	21°12	16° 6	15°44	19°33	29°34	28°24	25°35	15°23	15°25	21°D44	23°18	23°12	5°11	W 7
T 8	15 3 17	17°19'34	3♂15	18°17	16°56	20°12	29°48	28°32	25°37	15°25	15°25	21°45	23°15	23°18	5° 7	T 8
F 9	15 7 14	18°17'29	15° 9	20°28	18° 8	20°52	0♂II 2	28°39	25°38	15°27	15°26	21°46	23°11	23°25	5° 3	F 9
S 10	15 11 10	19°15'22	26°58	22°39	19°20	21°31	0°16	28°46	25°40	15°29	15°26	21°48	23° 8	23°32	4°59	S 10
S 11	15 15 7	20°13'13	8♂48	24°49	20°32	22°11	0°30	28°54	25°42	15°31	15°26	21°49	23° 5	23°38	4°55	S 11
M12	15 19 3	21°11'02	20°44	26°59	21°45	22°50	0°44	29° 1	25°44	15°33	15°27	21°R50	23° 2	23°45	4°51	M12
T 13	15 23 0	22° 8'50	2♂49	29° 9	22°57	23°29	0°58	29° 8	25°46	15°35	15°27	21°49	22°59	23°52	4°47	T 13
W14	15 26 56	23° 6'36	15° 9	1♂II17	24° 9	24° 8	1°12	29°15	25°48	15°37	15°28	21°47	22°56	23°58	4°42	W14
T 15	15 30 53	24° 4'20	27°48	3°23	25°21	24°47	1°26	29°23	25°51	15°39	15°28	21°44	22°52	24° 5	4°38	T 15
F 16	15 34 50	25° 2'03	10♂49	5°28	26°34	25°26	1°40	29°30	25°53	15°41	15°29	21°41	22°49	24°12	4°34	F 16
S 17	15 38 46	25°59'44	24°13	7°32	27°46	26° 5	1°54	29°37	25°55	15°42	15°29	21°37	22°46	24°18	4°30	S 17
S 18	15 42 43	26°57'23	8♂0	9°33	28°58	26°44	2° 8	29°44	25°57	15°44	15°30	21°33	22°43	24°25	4°25	S 18
M19	15 46 39	27°55'02	22° 8	11°32	0♂11	27°23	2°22	29°51	25°59	15°46	15°30	21°31	22°40	24°32	4°21	M19
T 20	15 50 36	28°52'39	6♂32	13°28	1°23	28° 2	2°36	29°58	26° 2	15°48	15°31	21°29	22°36	24°38	4°17	T 20
W21	15 54 32	29°50'15	21° 7	15°23	2°35	28°41	2°50	0♂5	26° 4	15°50	15°32	21°D28	22°33	24°45	4°12	W21
T 22	15 58 29	0♂II47'49	5♂46	17°14	3°48	29°19	3° 4	0°12	26° 7	15°51	15°32	21°29	22°30	24°52	4° 8	T 22
F 23	16 2 25	1°45'23	20°25	19° 3	5° 0	29°58	3°18	0°19	26° 9	15°53	15°33	21°30	22°27	24°58	4° 4	F 23
S 24	16 6 22	2°42'56	4♂56	20°49	6°12	0♂36	3°32	0°26	26°12	15°55	15°34	21°31	22°24	25° 5	3°59	S 24
S 25	16 10 19	3°40'28	19°17	22°32	7°25	1°14	3°46	0°33	26°14	15°56	15°34	21°32	22°21	25°12	3°55	S 25
M26	16 14 15	4°37'59	3♂24	24°12	8°37	1°53	4° 0	0°40	26°17	15°58	15°35	21°R32	22°17	25°18	3°51	M26
T 27	16 18 12	5°35'29	17°16	25°50	9°50	2°31	4°14	0°46	26°19	16° 0	15°36	21°32	22°14	25°25	3°46	T 27
W28	16 22 8	6°32'59	0♂53	27°24	11° 2	3° 9	4°28	0°53	26°22	16° 1	15°37	21°31	22°11	25°32	3°42	W28
T 29	16 26 5	7°30'28	14°14	28°56	12°15	3°47	4°42	1° 0	26°25	16° 3	15°38	21°30	22° 8	25°38	3°38	T 29
F 30	16 30 1	8°27'56	27°20	0♂24	13°27	4°24	4°56	1° 6	26°27	16° 5	15°39	21°28	22° 5	25°45	3°33	F 30
S 31	16 33 58	9♂II25'23	10♂12	1♂50	14♂40	5♂2	5♂II10	1♂13	26♂30	16♂6	15♂39	21♂II26	22♂II 2	25♂52	3♂29	S 31

Delta T = 12.91 sec

Greg. Calendar

JUNE 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 54	10♂II22'49	22♂51	3♂12	15♂53	5♂39	5♂II24	1♂19	26♂33	16♂8	15♂40	21°R25	21♂II58	25♂58	3°R25	S 1
M 2	16 41 51	11°20'15	5♂II16	4°32	17° 5	6°17	5°38	1°26	26°36	16° 9	15°41	21°II24	21°55	26° 5	3♂20	M 2
T 3	16 45 48	12°17'40	17°31	5°48	18°18	6°54	5°52	1°32	26°39	16°11	15°42	21°D23	21°52	26°12	3°16	T 3
W 4	16 49 44	13°15'04	29°35	7° 1	19°30	7°31	6° 6	1°39	26°41	16°12	15°43	21°24	21°49	26°18	3°12	W 4
T 5	16 53 41	14°12'27	11♂32	8°11	20°43	8° 8	6°20	1°45	26°44	16°13	15°44	21°24	21°46	26°25	3° 8	T 5
F 6	16 57 37	15° 9'49	23°23	9°17	21°56	8°45	6°34	1°51	26°47	16°15	15°45	21°25	21°42	26°32	3° 3	F 6
S 7	17 1 134	16° 7'10	5♂12	10°20	23° 8	9°22	6°48	1°58	26°50	16°16	15°46	21°25	21°39	26°38	2°59	S 7
S 8	17 5 30	17° 4'30	17° 2	11°20	24°21	9°58	7° 2	2° 4	26°53	16°17	15°48	21°26	21°36	26°45	2°55	S 8
M 9	17 9 27	18° 1'50	28°57	12°16	25°34	10°35	7°16	2°10	26°56	16°19	15°49	21°26	21°33	26°52	2°51	M 9
T 10	17 13 24	18°59'08	11♂1	13° 8	26°46	11°11	7°29	2°16	26°59	16°20	15°50	21°26	21°30	26°58	2°47	T 10
W11	17 17 20	19°56'25	23°20	13°57	27°59	11°47	7°43	2°22	27° 2	16°21	15°51	21°R26	21°27	27° 5	2°43	W11
T 12	17 21 17	20°53'42	5♂56	14°42	29°12	12°23	7°57	2°28	27° 6	16°22	15°52	21°26	21°23	27°12	2°39	T 12
F 13	17 25 13	21°50'58	18°55	15°23	0♂II25	12°58	8°11	2°34	27° 9	16°24	15°53	21°D26	21°20	27°18	2°35	F 13
S 14	17 29 10	22°48'12	2♂18	16° 0	1°37	13°34	8°25	2°40	27°12	16°25	15°55	21°26	21°17	27°25	2°31	S 14
S 15	17 33 6	23°45'27	16° 7	16°33	2°50	14° 9	8°38	2°45	27°15	16°26	15°56	21°27	21°14	27°32	2°27	S 15
M16	17 37 3	24°42'40	0♂21	17° 2	4° 3	14°44	8°52	2°51	27°18	16°27	15°57	21°27	21°11	27°38	2°23	M16
T 17	17 40 59	25°39'53	14°57	17°26	5°16	15°19	9° 6	2°57	27°22	16°28	15°58	21°R27	21° 8	27°45	2°19	T 17
W18	17 44 56	26°37'06	29°50	17°46	6°29	15°54	9°20	3° 2	27°25	16°29	16° 0	21°27	21° 4	27°52	2°16	W18
T 19	17 48 53	27°34'18	14♂51	18° 2	7°41	16°29	9°33	3° 8	27°28	16°30	16° 1	21°27	21° 1	27°58	2°12	T 19
F 20	17 52 49	28°31'30	29°52	18°13	8°54	17° 3	9°47	3°13	27°32	16°31	16° 2	21°26	20°58	28° 5	2° 8	F 20
S 21	17 56 46	29°28'42	14♂46	18°19	10° 7	17°37	10° 0	3°19	27°35	16°32	16° 4	21°25	20°55	28°12	2° 5	S 21
S 22	18 0 42	0♂25'54	29°24	18°R21	11°20	18°11	10°14	3°24	27°38	16°33	16° 5	21°24	20°52	28°18	2° 1	S 22
M23	18 4 39	1°23'05	13♂42	18°18	12°33	18°45	10°27	3°29	27°42	16°34	16° 7	21°24	20°48	28°25	1°58	M23
T 24	18 8 35	2°20'17	27°38	18°11	13°46	19°19	10°41	3°34	27°45	16°35	16° 8	21°D23	20°45	28°32	1°55	T 24
W25	18 12 32	3°17'29	11♂Y11	17°59	14°59	19°52	10°54	3°39	27°48	16°36	16° 9	21°23	20°42	28°38	1°51	W25
T 26	18 16 28	4°14'41	24°23	17°43	16°12	20°25	11° 8	3°44	27°52	16°36	16°11	21°24	20°39	28°45	1°48	T 26
F 27	18 20 25	5°11'53	7♂15	17°23	17°25	20°58	11°21	3°49	27°55	16°37	16°12	21°25	20°36	28°52	1°45	F 27
S 28	18 24 22	6° 9'05	19°51	16°59	18°38	21°30	11°35	3°54	27°59	16°38	16°14	21°26	20°33	28°58	1°42	S 28
S 29	18 28 18	7° 6'17	2♂II12	16°32	19°51	22° 3	11°48	3°59	28° 2	16°39	16°15	21°27	20°29	29° 5	1°39	S 29
M30	18 32 15	8♂3'30	14♂II23	16♂1	21♂II 5	22♂35	12♂II 1	4♂4	28♂6	16♂Y39	16♂17	21♂II28	20♂II26	29♂12	1♂36	M30

Delta T = 12.89 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1704

geocentric

JULY 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 11	9°03'43"	26°12'24"	15°R28	22°11'18"	23°38'	12°27'	4°13'	28°13'	16°41'	16°20'	21°11'27"	20°20'	29°25'	1°R33	T 1
W 2	18 40 8	9°57'55"	8°02'20"	14°05'53"	23°31'	23°38'	12°27'	4°13'	28°13'	16°41'	16°20'	21°11'27"	20°20'	29°25'	1°R30	W 2
T 3	18 44 4	10°55'08"	20°11'	14°17'	24°44'	24° 9'	12°41'	4°18'	28°16'	16°41'	16°22'	21°25'	20°17'	29°32'	1°27'	T 3
F 4	18 48 1	11°52'21"	2°02'00"	13°39'	25°57'	24°40'	12°54'	4°22'	28°20'	16°42'	16°23'	21°23'	20°14'	29°39'	1°25'	F 4
S 5	18 51 57	12°49'34"	13°50'	13° 1'	27°10'	25°10'	13° 7'	4°26'	28°24'	16°42'	16°25'	21°19'	20°10'	29°45'	1°22'	S 5
S 6	18 55 54	13°46'47"	25°41'	12°23'	28°24'	25°40'	13°20'	4°31'	28°27'	16°43'	16°26'	21°16'	20° 7'	29°52'	1°20'	S 6
M 7	18 59 51	14°44'00"	7°17'39"	11°47'	29°37'	26°10'	13°33'	4°35'	28°31'	16°43'	16°28'	21°12'	20° 4'	29°59'	1°17'	M 7
T 8	19 3 47	15°41'13"	19°44'	11°11'	0°05'50"	26°40'	13°45'	4°39'	28°34'	16°44'	16°30'	21° 9'	20° 1'	0°02'50"	1°15'	T 8
W 9	19 7 44	16°38'26"	2°02'00"	10°39'	2° 4'	27° 9'	13°58'	4°43'	28°38'	16°44'	16°31'	21° 8'	19°58'	0°12'	1°12'	W 9
T 10	19 11 40	17°35'38"	14°35'	10° 9'	3°17'	27°38'	14°11'	4°47'	28°42'	16°44'	16°33'	21°D 7'	19°54'	0°19'	1°10'	T 10
F 11	19 15 37	18°32'51"	27°29'	9°42'	4°30'	28° 6'	14°24'	4°51'	28°45'	16°45'	16°35'	21° 7'	19°51'	0°25'	1° 8'	F 11
S 12	19 19 33	19°30'05"	10°14'45"	9°19'	5°44'	28°34'	14°36'	4°54'	28°49'	16°45'	16°36'	21° 8'	19°48'	0°32'	1° 6'	S 12
S 13	19 23 30	20°27'18"	24°28'	9° 1'	6°57'	29° 2'	14°49'	4°58'	28°53'	16°45'	16°38'	21° 9'	19°45'	0°39'	1° 4'	S 13
M14	19 27 26	21°24'31"	8°07'37"	8°47'	8°10'	29°29'	15° 1'	5° 2'	28°56'	16°45'	16°40'	21°11'	19°42'	0°45'	1° 2'	M14
T 15	19 31 23	22°21'45"	23°12'	8°39'	9°24'	29°56'	15°14'	5° 5'	29° 0'	16°46'	16°41'	21°R11'	19°39'	0°52'	1° 1'	T 15
W16	19 35 20	23°18'59"	8°03'08"	8°D36'	10°37'	0°07'23"	15°26'	5° 8'	29° 4'	16°46'	16°43'	21°10'	19°35'	0°59'	0°59'	W16
T 17	19 39 16	24°16'14"	23°18'	8°38'	11°51'	0°49'	15°39'	5°12'	29° 7'	16°46'	16°45'	21° 8'	19°32'	1° 5'	0°57'	T 17
F 18	19 43 13	25°13'29"	8°03'43"	8°46'	13° 4'	1°15'	15°51'	5°15'	29°11'	16°46'	16°47'	21° 4'	19°29'	1°12'	0°56'	F 18
S 19	19 47 9	26°10'44"	23°43'	8°59'	14°18'	1°40'	16° 3'	5°18'	29°15'	16°46'	16°49'	20°59'	19°26'	1°19'	0°55'	S 19
S 20	19 51 6	27° 8'01"	8°03'38"	9°19'	15°31'	2° 5'	16°15'	5°21'	29°18'	16°R46'	16°50'	20°54'	19°23'	1°25'	0°53'	S 20
M21	19 55 2	28° 5'18"	23°10'	9°44'	16°45'	2°29'	16°27'	5°24'	29°22'	16°46'	16°52'	20°50'	19°20'	1°32'	0°52'	M21
T 22	19 58 59	29° 2'36"	7°07'16"	10°16'	17°59'	2°53'	16°39'	5°27'	29°26'	16°46'	16°54'	20°46'	19°16'	1°39'	0°51'	T 22
W23	20 2 55	29°59'55"	20°53'	10°53'	19°12'	3°16'	16°51'	5°30'	29°29'	16°46'	16°56'	20°45'	19°13'	1°45'	0°50'	W23
T 24	20 6 52	0°05'15"	4°03'00"	11°36'	20°26'	3°39'	17° 3'	5°32'	29°33'	16°46'	16°58'	20°D44'	19°10'	1°52'	0°49'	T 24
F 25	20 10 49	1°54'36"	16°50'	12°25'	21°40'	4° 2'	17°15'	5°35'	29°37'	16°46'	16°59'	20°45'	19° 7'	1°59'	0°48'	F 25
S 26	20 14 45	2°51'58"	29°18'	13°20'	22°53'	4°24'	17°27'	5°37'	29°40'	16°46'	17° 1'	20°46'	19° 4'	2° 5'	0°48'	S 26
S 27	20 18 42	3°49'22"	11°11'30"	14°20'	24° 7'	4°45'	17°38'	5°40'	29°44'	16°45'	17° 3'	20°48'	19° 0'	2°12'	0°47'	S 27
M28	20 22 38	4°46'46"	23°31'	15°26'	25°21'	5° 6'	17°50'	5°42'	29°48'	16°45'	17° 5'	20°R48'	18°57'	2°19'	0°46'	M28
T 29	20 26 35	5°44'11"	5°02'25"	16°38'	26°35'	5°26'	18° 1'	5°44'	29°52'	16°45'	17° 7'	20°47'	18°54'	2°26'	0°46'	T 29
W30	20 30 31	6°41'38"	17°15'	17°54'	27°49'	5°45'	18°13'	5°46'	29°55'	16°45'	17° 9'	20°44'	18°51'	2°32'	0°46'	W30
T 31	20 34 28	7°03'06"	29°03'00"	19°03'16"	29°03'00"	6°07'00"	18°11'24"	5°03'48"	29°59'00"	16°07'44"	17°02'10"	20°11'38"	18°11'48"	2°02'39"	0°07'45"	T 31

Delta T = 12.87 sec

Greg. Calendar

AUGUST 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 38 25	8°03'36"	10°02'53"	20°03'43"	0°02'16"	6°07'23"	18°11'35"	5°03'50"	0°02'00"	16°R44'	17°02'12"	20°R31'	18°11'45"	2°02'46"	0°R45'	F 1
S 2	20 42 21	9°34'04"	22°45'	22°14'	1°30'	6°41'	18°46'	5°52'	0° 6'	16°07'44"	17°14'	20°11'22"	18°41'	2°52'	0°D45'	S 2
S 3	20 46 18	10°31'34"	4°17'42"	23°50'	2°44'	6°58'	18°57'	5°53'	0°10'	16°43'	17°16'	20°13'	18°38'	2°59'	0°07'45"	S 3
M 4	20 50 14	11°29'05"	16°45'	25°29'	3°58'	7°14'	19° 8'	5°55'	0°13'	16°43'	17°18'	20° 3'	18°35'	3° 6'	0°45'	M 4
T 5	20 54 11	12°26'38"	28°57'	27°13'	5°12'	7°30'	19°19'	5°56'	0°17'	16°42'	17°20'	19°55'	18°32'	3°12'	0°46'	T 5
W 6	20 58 7	13°24'11"	11°02'18"	29° 0'	6°26'	7°45'	19°30'	5°58'	0°21'	16°42'	17°22'	19°49'	18°29'	3°19'	0°46'	W 6
T 7	21 2 4	14°21'45"	23°53'	0°02'50"	7°40'	8° 0'	19°41'	5°59'	0°24'	16°41'	17°23'	19°45'	18°26'	3°26'	0°46'	T 7
F 8	21 6 0	15°19'20"	6°14'45"	2°43'	8°54'	8°14'	19°51'	6° 0'	0°28'	16°40'	17°25'	19°43'	18°22'	3°32'	0°47'	F 8
S 9	21 9 57	16°16'56"	19°56'	4°38'	10° 8'	8°27'	20° 2'	6° 1'	0°32'	16°40'	17°27'	19°D42'	18°19'	3°39'	0°48'	S 9
S 10	21 13 53	17°14'33"	3°07'29"	6°35'	11°22'	8°39'	20°12'	6° 2'	0°35'	16°39'	17°29'	19°43'	18°16'	3°46'	0°48'	S 10
M11	21 17 50	18°12'11"	17°28'	8°34'	12°36'	8°51'	20°22'	6° 3'	0°39'	16°39'	17°31'	19°R44'	18°13'	3°52'	0°49'	M11
T 12	21 21 47	19° 9'50"	1°03'51"	10°34'	13°50'	9° 2'	20°32'	6° 3'	0°42'	16°38'	17°33'	19°43'	18°10'	3°59'	0°50'	T 12
W13	21 25 43	20° 7'30"	16°37'	12°35'	15° 4'	9°12'	20°42'	6° 4'	0°46'	16°37'	17°35'	19°40'	18° 6'	4° 6'	0°51'	W13
T 14	21 29 40	21° 5'11"	1°03'41"	14°36'	16°19'	9°22'	20°52'	6° 4'	0°49'	16°36'	17°37'	19°36'	18° 3'	4°12'	0°52'	T 14
F 15	21 33 36	22° 2'54"	16°55'	16°37'	17°33'	9°30'	21° 2'	6° 5'	0°53'	16°36'	17°39'	19°28'	18° 0'	4°19'	0°54'	F 15
S 16	21 37 33	23° 0'37"	2°03'08"	18°39'	18°47'	9°38'	21°12'	6° 5'	0°56'	16°35'	17°40'	19°19'	17°57'	4°26'	0°55'	S 16
S 17	21 41 29	23°58'22"	17° 9'	20°40'	20° 1'	9°45'	21°22'	6° 5'	1° 0'	16°34'	17°42'	19°10'	17°54'	4°33'	0°56'	S 17
M18	21 45 26	24°56'09"	1°07'49"	22°40'	21°15'	9°52'	21°31'	6°R 5'	1° 3'	16°33'	17°44'	19° 1'	17°51'	4°39'	0°58'	M18
T 19	21 49 23	25°53'57"	16° 3'	24°40'	22°30'	9°57'	21°41'	6° 5'	1° 7'	16°32'	17°46'	18°54'	17°47'	4°46'	1° 0'	T 19
W20	21 53 19	26°51'47"	29°47'	26°39'	23°44'	10° 2'	21°50'	6° 5'	1°10'	16°31'	17°48'	18°48'	17°44'	4°53'	1° 1'	W20
T 21	21 57 16	27°49'39"	13°03'00"	28°37'	24°58'	10° 6'	21°59'	6° 5'	1°14'	16°30'	17°50'	18°46'	17°41'	4°59'	1° 3'	T 21
F 22	22 1 12	28°47'32"	25°50'	0°17'35"	26°12'	10° 9'	22° 8'	6° 5'	1°17'	16°29'	17°52'	18°D45'	17°38'	5° 6'	1° 5'	F 22
S 23	22 5 9	29°45'28"	8°11'16"	2°31'	27°27'	10°11'	22°17'	6° 4'	1°20'	16°28'	17°53'	18°45'	17°35'	5°13'	1° 7'	S 23
S 24	22 9 5	0°07'43"	20°25'	4°26'	28°41'	10°12'	22°26'	6° 4'	1°24'	16°27'	17°55'	18°R45'	17°32'	5°19'	1° 9'	S 24
M25	22 13 2	1°41'24"	2°02'23"	6°19'	29°56'	10°R13'	22°34'	6° 3'	1°27'	16°26'	17°57'	18°44'	17°28'	5°26'	1°11'	M25
T 26	22 16 58	2°39'25"	14°14'	8°12'	1°17'10"	10°12'	22°43'	6° 2'	1°30'	16°25'	17°59'	18°41'	17°25'	5°33'	1°13'	T 26
W27	22 20 55	3°37'28"	26° 2'	10° 3'	2°24'	10°11'	22°51'	6° 1'	1°34'	16°24'	18° 1'	18°36'	17°22'	5°39'	1°16'	W27
T 28	22 24 52	4°35'33"	7°02'51"	11°53'	3°39'	10° 9'	23° 0'	6° 0'	1°37'	16°23'	18° 3'	18°28'	17°19'	5°46'	1°18'	T 28
F 29	22 28 48	5°33'39"	19°54'	13°42'	4°53'	10° 6'	23° 8'	5°59'	1°40'	16°22'	18° 4'	18°17'	17°16'	5°53'	1°21'	F 29
S 30	22 32 45	6°31'47"	1°17'43"	15°30'	6° 8'	10° 2'	23°16'	5°58'	1°43'	16°21'	18° 6'	18° 5'	17°12'	5°59'	1°24'	S 30
S 31	22 36 41	7°17'29"	13°17'48"	17°17'16"	7°17'22"	9°07'57"	23°11'24"	5°03'57"	1°02'46"	16°07'19"	18°02'08"	17°11'51"	17°11'09"	6°02'06"	1°07'26"	S 31

Delta T = 12.84 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1704

geocentric

SEPTEMBER 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 40 38	8 ^h 28'08"	26 ^h 3	19 ^h 1	8 ^h 37	9°R51	23 ^h 32	5°R56	1 ^h 50	16°R18	18 ^h 10	17°R37	17 ^h 6	6 ^h 13	1 ^h 29	M 1
T 2	22 44 34	9°26'22"	8 ^h 26	20°45	9°51	9°Y45	23°39	5°B54	1°53	16°Y17	18°12	17 ^h 25	17°3	6°20	1°32	T 2
W 3	22 48 31	10°24'36"	20°59	22°28	11°6	9°37	23°47	5°52	1°56	16°16	18°13	17°15	17°0	6°26	1°35	W 3
T 4	22 52 27	11°22'53"	3 ^h 14	24°10	12°20	9°29	23°54	5°51	1°59	16°14	18°15	17°8	16°57	6°33	1°38	T 4
F 5	22 56 24	12°21'11"	16°40	25°50	13°35	9°20	24°1	5°49	2°2	16°13	18°17	17°4	16°53	6°40	1°41	F 5
S 6	23 0 20	13°19'30"	29°52	27°29	14°50	9°11	24°8	5°47	2°5	16°12	18°19	17°2	16°50	6°46	1°45	S 6
S 7	23 4 17	14°17'51"	13 ^h 22	29°8	16°4	9°0	24°15	5°45	2°8	16°10	18°20	17°2	16°47	6°53	1°48	S 7
M 8	23 8 14	15°16'14"	27°11	0 ^h 45	17°19	8°49	24°22	5°43	2°11	16°9	18°22	17°2	16°44	7°0	1°51	M 8
T 9	23 12 10	16°14'38"	11 ^h 20	2°21	18°33	8°37	24°28	5°41	2°14	16°8	18°24	17°1	16°41	7°6	1°55	T 9
W10	23 16 7	17°13'04"	25°50	3°55	19°48	8°25	24°35	5°38	2°17	16°6	18°26	16°57	16°37	7°13	1°59	W10
T 11	23 20 3	18°11'32"	10 ^h 36	5°29	21°3	8°12	24°41	5°36	2°19	16°5	18°27	16°52	16°34	7°20	2°2	T 11
F 12	23 24 0	19°10'01"	25°33	7°2	22°17	7°58	24°47	5°34	2°22	16°3	18°29	16°43	16°31	7°26	2°6	F 12
S 13	23 27 56	20°8'32"	10 ^h 32	8°34	23°32	7°44	24°53	5°31	2°25	16°2	18°31	16°32	16°28	7°33	2°10	S 13
S 14	23 31 53	21°7'04"	25°24	10°4	24°47	7°29	24°59	5°28	2°28	16°0	18°32	16°21	16°25	7°40	2°14	S 14
M15	23 35 49	22°5'39"	10 ^h Y0	11°34	26°1	7°14	25°4	5°26	2°30	15°59	18°34	16°10	16°22	7°47	2°18	M15
T 16	23 39 46	23°4'16"	24°14	13°2	27°16	6°58	25°10	5°23	2°33	15°57	18°35	16°1	16°18	7°53	2°22	T 16
W17	23 43 43	24°2'54"	8 ^h 0	14°29	28°31	6°41	25°15	5°20	2°36	15°56	18°37	15°54	16°15	8°0	2°26	W17
T 18	23 47 39	25°1'36"	21°18	15°56	29°45	6°25	25°20	5°17	2°38	15°54	18°39	15°49	16°12	8°7	2°30	T 18
F 19	23 51 36	26°0'19"	4 ^h 9	17°21	1 ^h 0	6°8	25°25	5°14	2°41	15°53	18°40	15°47	16°9	8°13	2°35	F 19
S 20	23 55 32	26°59'05"	16°38	18°45	2°15	5°50	25°30	5°11	2°43	15°51	18°42	15°D47	16°6	8°20	2°39	S 20
S 21	23 59 29	27°57'52"	28°49	20°8	3°30	5°33	25°35	5°7	2°46	15°50	18°43	15°R47	16°3	8°27	2°44	S 21
M22	0 3 25	28°56'43"	10 ^h 47	21°30	4°44	5°15	25°39	5°4	2°48	15°48	18°45	15°47	15°59	8°33	2°48	M22
T 23	0 7 22	29°55'35"	22°39	22°50	5°59	4°57	25°43	5°1	2°51	15°47	18°46	15°44	15°56	8°40	2°53	T 23
W24	0 11 18	0 ^h 54'30"	4 ^h 28	24°9	7°14	4°39	25°47	4°57	2°53	15°45	18°48	15°40	15°53	8°47	2°58	W24
T 25	0 15 15	1°53'27"	16°19	25°27	8°29	4°21	25°51	4°54	2°55	15°43	18°49	15°33	15°50	8°53	3°2	T 25
F 26	0 19 12	2°52'26"	28°17	26°44	9°44	4°3	25°55	4°50	2°58	15°42	18°51	15°23	15°47	9°0	3°7	F 26
S 27	0 23 8	3°51'27"	10 ^h 23	27°59	10°58	3°45	25°59	4°46	3°0	15°40	18°52	15°11	15°43	9°7	3°12	S 27
S 28	0 27 5	4°50'30"	22°39	29°13	12°13	3°26	26°2	4°42	3°2	15°39	18°54	14°58	15°40	9°14	3°17	S 28
M29	0 31 1	5°49'36"	5 ^h 7	0 ^h 25	13°28	3°9	26°5	4°39	3°4	15°37	18°55	14°46	15°37	9°20	3°22	M29
T 30	0 34 58	6°48'43"	17 ^h 47	1 ^h 35	14°43	2°Y51	26 ^h 8	4°B35	3 ^h 6	15°Y35	18°56	14 ^h 34	15 ^h 34	9°27	3°27	T 30

Delta T = 12.82 sec

Greg. Calendar

OCTOBER 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 38 54	7 ^h 47'53"	0 ^h 38	2 ^h 44	15°45	2°R33	26 ^h 11	4°R31	3 ^h 8	15°R34	18°58	14°R25	15 ^h 31	9°24	3°32	W 1
T 2	0 42 51	8°47'04"	13°40	3°50	17°13	2°Y16	26°14	4°B27	3°10	15°Y32	18°59	14 ^h 18	15°28	9°40	3°38	T 2
F 3	0 46 47	9°46'18"	26°53	4°54	18°27	1°59	26°16	4°23	3°12	15°30	19°0	14°15	15°24	9°47	3°43	F 3
S 4	0 50 44	10°45'33"	10 ^h 18	5°56	19°42	1°43	26°18	4°18	3°14	15°29	19°2	14°D13	15°21	9°54	3°48	S 4
S 5	0 54 40	11°44'51"	23°54	6°56	20°57	1°27	26°20	4°14	3°16	15°27	19°3	14°14	15°18	10°0	3°54	S 5
M 6	0 58 37	12°44'10"	7 ^h 34	7°53	22°12	1°11	26°22	4°10	3°18	15°25	19°4	14°R14	15°15	10°7	3°59	M 6
T 7	1 2 34	13°43'30"	21°45	8°46	23°27	0°56	26°24	4°6	3°20	15°24	19°5	14°14	15°12	10°14	4°5	T 7
W 8	1 6 30	14°42'53"	6 ^h 0	9°37	24°42	0°42	26°25	4°1	3°21	15°22	19°7	14°12	15°9	10°21	4°11	W 8
T 9	1 10 27	15°42'17"	20°25	10°23	25°57	0°28	26°26	3°57	3°23	15°20	19°8	14°8	15°5	10°27	4°16	T 9
F 10	1 14 23	16°41'43"	4 ^h 57	11°6	27°11	0°15	26°27	3°52	3°25	15°19	19°9	14°1	15°2	10°34	4°22	F 10
S 11	1 18 20	17°41'11"	19°31	11°45	28°26	0°2	26°28	3°48	3°26	15°17	19°10	13°53	14°59	10°41	4°28	S 11
S 12	1 22 16	18°40'40"	4 ^h Y0	12°18	29°41	29°X50	26°29	3°43	3°28	15°15	19°11	13°44	14°56	10°47	4°34	S 12
M13	1 26 13	19°40'12"	18°18	12°47	0 ^h 56	29°39	26°29	3°39	3°29	15°14	19°12	13°35	14°53	10°54	4°40	M13
T 14	1 30 9	20°39'45"	2 ^h 17	13°9	2°11	29°28	26°29	3°34	3°31	15°12	19°13	13°28	14°49	11°1	4°46	T 14
W15	1 34 6	21°39'21"	15°55	13°25	3°26	29°18	26°R30	3°29	3°32	15°10	19°14	13°22	14°46	11°7	4°52	W15
T 16	1 38 3	22°38'59"	29°10	13°35	4°41	29°9	26°29	3°25	3°34	15°9	19°15	13°19	14°43	11°14	4°58	T 16
F 17	1 41 59	23°38'39"	12 ^h 1	13°R37	5°55	29°0	26°29	3°20	3°35	15°7	19°16	13°D18	14°40	11°21	5°4	F 17
S 18	1 45 56	24°38'22"	24°32	13°31	7°10	28°53	26°28	3°15	3°36	15°5	19°17	13°19	14°37	11°27	5°10	S 18
S 19	1 49 52	25°38'06"	6 ^h 45	13°17	8°25	28°46	26°28	3°11	3°37	15°4	19°18	13°20	14°34	11°34	5°16	S 19
M20	1 53 49	26°37'53"	18°46	12°54	9°40	28°39	26°27	3°6	3°38	15°2	19°19	13°21	14°30	11°41	5°22	M20
T 21	1 57 45	27°37'42"	0 ^h 39	12°22	10°55	28°34	26°26	3°1	3°39	15°0	19°20	13°R21	14°27	11°48	5°29	T 21
W22	2 1 42	28°37'34"	12°29	11°40	12°10	28°29	26°24	2°56	3°40	14°59	19°21	13°20	14°24	11°54	5°35	W22
T 23	2 5 38	29°37'27"	24°23	10°50	13°25	28°26	26°23	2°51	3°41	14°57	19°22	13°17	14°21	12°1	5°42	T 23
F 24	2 9 35	0 ^h 37'23"	6 ^h 23	9°52	14°40	28°23	26°21	2°47	3°42	14°55	19°23	13°12	14°18	12°8	5°48	F 24
S 25	2 13 32	1°37'21"	18°34	8°47	15°54	28°20	26°19	2°42	3°43	14°54	19°23	13°6	14°14	12°14	5°54	S 25
S 26	2 17 28	2°37'20"	0 ^h 59	7°35	17°9	28°19	26°17	2°37	3°44	14°52	19°24	12°58	14°11	12°21	6°1	S 26
M27	2 21 25	3°37'22"	13°39	6°19	18°24	28°D18	26°14	2°32	3°45	14°51	19°25	12°51	14°8	12°28	6°8	M27
T 28	2 25 21	4°37'26"	26°36	5°2	19°39	28°19	26°12	2°27	3°45	14°49	19°26	12°44	14°5	12°35	6°14	T 28
W29	2 29 18	5°37'32"	9 ^h 47	3°44	20°54	28°20	26°9	2°22	3°46	14°48	19°26	12°39	14°2	12°41	6°21	W29
T 30	2 33 14	6°37'40"	23°13	2°30	22°9	28°21	26°6	2°18	3°47	14°46	19°27	12°35	13°59	12°48	6°27	T 30
F 31	2 37 11	7 ^h 37'50"	6 ^h 51	1 ^h 20	23°24	28°X24	26 ^h 3	2°B13	3 ^h 47	14°Y45	19°28	12°D34	13 ^h 55	12°55	6°34	F 31

Delta T = 12.80 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1704

geocentric

NOVEMBER 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 7	8♂38'01	20♂38	0°R18	24♂39	28♂27	26°R 0	2°R 8	3♂48	14°R43	19♂28	12♂34	13♂52	13♂1	6♂41	S 1
S 2	2 45 4	9°38'14	4♂34	29♂25	25°54	28°31	25♂56	2♂3	3°48	14°Y42	19°29	12°35	13°49	13°8	6°48	S 2
M 3	2 49 1	10°38'29	18°36	28°43	27°9	28°36	25°52	1°59	3°48	14°40	19°29	12°37	13°46	13°15	6°55	M 3
T 4	2 52 57	11°38'45	2♂43	28°11	28°23	28°42	25°48	1°54	3°49	14°39	19°30	12°38	13°43	13°21	7°1	T 4
W 5	2 56 54	12°39'02	16°53	27°51	29°38	28°48	25°44	1°49	3°49	14°37	19°30	12°R38	13°40	13°28	7°8	W 5
T 6	3 0 50	13°39'21	1♂4	27°D43	0♂53	28°56	25°40	1°44	3°49	14°36	19°31	12°37	13°36	13°35	7°15	T 6
F 7	3 4 47	14°39'41	15°15	27°46	2°8	29°4	25°36	1°40	3°49	14°34	19°31	12°35	13°33	13°42	7°22	F 7
S 8	3 8 43	15°40'03	29°22	28°0	3°23	29°12	25°31	1°35	3°49	14°33	19°32	12°31	13°30	13°48	7°29	S 8
S 9	3 12 40	16°40'26	13°Y21	28°24	4°38	29°21	25°26	1°31	3°R49	14°32	19°32	12°27	13°27	13°55	7°36	S 9
M10	3 16 36	17°40'50	27°11	28°57	5°53	29°31	25°21	1°26	3°49	14°30	19°32	12°23	13°24	14°2	7°43	M10
T 11	3 20 33	18°41'16	10♂46	29°38	7°7	29°42	25°16	1°22	3°49	14°29	19°33	12°20	13°20	14°8	7°50	T 11
W12	3 24 30	19°41'44	24°5	0♂27	8°22	29°53	25°11	1°17	3°49	14°28	19°33	12°18	13°17	14°15	7°57	W12
T 13	3 28 26	20°42'13	7♂7	1°22	9°37	0°Y5	25°5	1°13	3°49	14°26	19°33	12°D17	13°14	14°22	8°4	T 13
F 14	3 32 23	21°42'44	19°51	2°23	10°52	0°18	25°0	1°8	3°49	14°25	19°33	12°17	13°11	14°28	8°11	F 14
S 15	3 36 19	22°43'17	2♂18	3°28	12°7	0°31	24°54	1°4	3°49	14°24	19°34	12°18	13°8	14°35	8°18	S 15
S 16	3 40 16	23°43'52	14°31	4°38	13°22	0°45	24°48	1°0	3°48	14°23	19°34	12°19	13°5	14°42	8°26	S 16
M17	3 44 12	24°44'28	26°32	5°52	14°37	0°59	24°42	0°56	3°48	14°21	19°34	12°21	13°1	14°49	8°33	M17
T 18	3 48 9	25°45'05	8♂26	7°8	15°51	1°14	24°36	0°51	3°47	14°20	19°34	12°22	12°58	14°55	8°40	T 18
W19	3 52 5	26°45'45	20°18	8°28	17°6	1°30	24°29	0°47	3°47	14°19	19°34	12°23	12°55	15°2	8°47	W19
T 20	3 56 2	27°46'26	2♂11	9°49	18°21	1°46	24°23	0°43	3°46	14°18	19°34	12°R23	12°52	15°9	8°54	T 20
F 21	3 59 59	28°47'09	14°11	11°13	19°36	2°2	24°16	0°39	3°46	14°17	19°R34	12°23	12°49	15°15	9°1	F 21
S 22	4 3 55	29°47'53	26°23	12°38	20°51	2°19	24°9	0°35	3°45	14°16	19°34	12°21	12°46	15°22	9°9	S 22
S 23	4 7 52	0♂48'39	8♂50	14°4	22°5	2°37	24°2	0°32	3°44	14°15	19°34	12°20	12°42	15°29	9°16	S 23
M24	4 11 48	1°49'26	21°36	15°32	23°20	2°55	23°55	0°28	3°43	14°14	19°34	12°18	12°39	15°36	9°23	M24
T 25	4 15 45	2°50'15	4♂42	17°1	24°35	3°14	23°48	0°24	3°43	14°13	19°34	12°17	12°36	15°42	9°30	T 25
W26	4 19 41	3°51'05	18°9	18°30	25°50	3°33	23°41	0°20	3°42	14°12	19°34	12°16	12°33	15°49	9°38	W26
T 27	4 23 38	4°51'57	1♂56	20°0	27°5	3°53	23°34	0°17	3°41	14°11	19°34	12°15	12°30	15°56	9°45	T 27
F 28	4 27 34	5°52'50	16°0	21°31	28°19	4°13	23°26	0°13	3°40	14°10	19°33	12°D15	12°26	16°2	9°52	F 28
S 29	4 31 31	6°53'44	0♂16	23°2	29°34	4°33	23°19	0°10	3°39	14°9	19°33	12°15	12°23	16°9	9°59	S 29
S 30	4 35 28	7♂54'39	14♂41	24♂33	0♂49	4°Y54	23♂11	0♂7	3♂38	14°Y8	19♂33	12♂16	12♂20	16♂16	10♂7	S 30

Delta T = 12.77 sec

Greg. Calendar

DECEMBER 1704

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 39 24	8♂55'35	29♂9	26♂5	2♂4	5°Y16	23°R4	0°R4	3°R36	14°R7	19°R33	12♂16	12♂17	16♂23	10♂14	M 1
T 2	4 43 21	9°56'31	13♂34	27°37	3°19	5°38	22♂56	0♂8	3♂35	14°Y7	19♂32	12°17	12°14	16°29	10°21	T 2
W 3	4 47 17	10°57'28	27°53	29°9	4°33	6°0	22°48	29°Y57	3°34	14°6	19°32	12°17	12°11	16°36	10°29	W 3
T 4	4 51 14	11°58'26	12♂4	0♂41	5°48	6°23	22°40	29°54	3°33	14°5	19°32	12°17	12°7	16°43	10°36	T 4
F 5	4 55 10	12°59'25	26°4	2°14	7°3	6°46	22°32	29°52	3°31	14°5	19°31	12°17	12°4	16°49	10°43	F 5
S 6	4 59 7	14°0'24	9°Y51	3°47	8°17	7°9	22°24	29°49	3°30	14°4	19°31	12°17	12°1	16°56	10°50	S 6
S 7	5 3 4	15°1'23	23°26	5°19	9°32	7°33	22°16	29°46	3°29	14°3	19°30	12°17	11°58	17°3	10°58	S 7
M 8	5 7 0	16°2'24	6♂48	6°52	10°47	7°57	22°8	29°44	3°27	14°3	19°30	12°17	11°55	17°9	11°5	M 8
T 9	5 10 57	17°3'25	19°56	8°25	12°1	8°22	22°0	29°41	3°26	14°2	19°29	12°18	11°52	17°16	11°12	T 9
W10	5 14 53	18°4'26	2♂52	9°58	13°16	8°46	21°52	29°39	3°24	14°2	19°29	12°18	11°48	17°23	11°19	W10
T 11	5 18 50	19°5'29	15°34	11°32	14°31	9°12	21°44	29°36	3°22	14°1	19°28	12°R18	11°45	17°30	11°26	T 11
F 12	5 22 46	20°6'32	28°4	13°5	15°45	9°37	21°35	29°34	3°21	14°1	19°28	12°18	11°42	17°36	11°34	F 12
S 13	5 26 43	21°7'35	10♂22	14°38	17°0	10°3	21°27	29°32	3°19	14°0	19°27	12°17	11°39	17°43	11°41	S 13
S 14	5 30 39	22°8'40	22°30	16°12	18°15	10°29	21°19	29°30	3°17	14°0	19°26	12°16	11°36	17°50	11°48	S 14
M15	5 34 36	23°9'45	4♂30	17°46	19°29	10°55	21°11	29°28	3°16	13°59	19°26	12°14	11°32	17°56	11°55	M15
T 16	5 38 33	24°10'51	16°23	19°20	20°44	11°22	21°3	29°27	3°14	13°59	19°25	12°12	11°29	18°3	12°2	T 16
W17	5 42 29	25°11'57	28°14	20°54	21°58	11°49	20°55	29°25	3°12	13°59	19°24	12°11	11°26	18°10	12°9	W17
T 18	5 46 26	26°13'04	10♂7	22°28	23°13	12°16	20°47	29°23	3°10	13°58	19°24	12°10	11°23	18°17	12°17	T 18
F 19	5 50 22	27°14'12	22°5	24°2	24°27	12°44	20°39	29°22	3°8	13°58	19°23	12°D9	11°20	18°23	12°24	F 19
S 20	5 54 19	28°15'21	4♂13	25°37	25°42	13°12	20°31	29°20	3°6	13°58	19°22	12°9	11°17	18°30	12°31	S 20
S 21	5 58 15	29°16'30	16°37	27°12	26°56	13°40	20°23	29°19	3°4	13°58	19°21	12°10	11°13	18°37	12°38	S 21
M22	6 2 12	0♂17'40	29°19	28°47	28°11	14°8	20°15	29°18	3°2	13°58	19°20	12°11	11°10	18°43	12°45	M22
T 23	6 6 8	1°18'50	12♂25	0♂23	29°25	14°36	20°7	29°17	3°0	13°58	19°20	12°12	11°7	18°50	12°52	T 23
W24	6 10 5	2°20'01	25°56	1°58	0♂39	15°5	19°59	29°16	2°58	13°58	19°19	12°14	11°4	18°57	12°59	W24
T 25	6 14 2	3°21'12	9♂52	3°34	1°54	15°34	19°51	29°15	2°56	13°D58	19°18	12°R14	11°1	19°4	13°6	T 25
F 26	6 17 58	4°22'24	24°13	5°11	3°8	16°3	19°43	29°15	2°53	13°58	19°17	12°14	10°58	19°10	13°13	F 26
S 27	6 21 55	5°23'36	8♂52	6°47	4°23	16°33	19°36	29°14	2°51	13°58	19°16	12°12	10°54	19°17	13°20	S 27
S 28	6 25 51	6°24'48	23°45	8°24	5°37	17°3	19°28	29°14	2°49	13°58	19°15	12°10	10°51	19°24	13°26	S 28
M29	6 29 48	7°26'00	8♂42	10°1	6°51	17°32	19°21	29°13	2°47	13°58	19°14	12°6	10°48	19°30	13°33	M29
T 30	6 33 44	8°27'11	23°34	11°39	8°5	18°3	19°13	29°13	2°44	13°58	19°13	12°2	10°45	19°37	13°40	T 30
W31	6 37 41	9♂28'23	8♂15	13♂17	9♂20	18°Y33	19♂11	29°Y13	2♂42	13°Y58	19♂12	11♂59	10♂42	19♂44	13♂47	W31

Delta T = 12.75 sec

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