



Astrodienst Ephemeris Tables for the year 1700

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 1700

geocentric

JANUARY 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 42 28	10°34'55"	10°8'0"	29°35'9"	22°23'23"	23°33'33"	10°23'23"	28°45'45"	8°R43	2°V49	10°R45	16°R17	17°17'20"	26°33'37"	1°11'8"	F 1
S 2	6 46 25	11°44'04"	23°58'	0°51'	23°39'	24°5'	10°37'	28°50'	8°34'	2°50'	10°43'	16°11'	17°17'	26°43'	1°10'	S 2
S 3	6 50 21	12°45'13"	8°12'26"	1°35'	24°54'	24°37'	10°50'	28°56'	8°38'	2°50'	10°42'	16°3'	17°14'	26°50'	1°11'	S 3
M 4	6 54 18	13°46'22"	23°20'	2°11'	26°9'	25°8'	11°4'	29°2'	8°35'	2°51'	10°41'	15°53'	17°11'	26°57'	1°13'	M 4
T 5	6 58 14	14°47'30"	8°32'32"	2°38'	27°25'	25°40'	11°18'	29°8'	8°33'	2°52'	10°40'	15°43'	17°8'	27°3'	1°14'	T 5
W 6	7 2 11	15°48'38"	23°51'	2°55'	28°40'	26°11'	11°32'	29°14'	8°30'	2°53'	10°39'	15°35'	17°4'	27°10'	1°15'	W 6
T 7	7 6 8	16°49'46"	9°0'7"	3°R1	29°55'	26°42'	11°46'	29°20'	8°28'	2°53'	10°37'	15°28'	17°1'	27°17'	1°16'	T 7
F 8	7 10 4	17°50'53"	24°8'	2°56'	1°58'10"	27°13'	12°0'	29°26'	8°25'	2°54'	10°36'	15°23'	16°58'	27°24'	1°17'	F 8
S 9	7 14 1	18°52'01"	8°17'47"	2°39'	2°26'	27°44'	12°14'	29°32'	8°23'	2°55'	10°35'	15°D21	16°55'	27°30'	1°18'	S 9
S 10	7 17 57	19°53'08"	23°0'	2°10'	3°41'	28°15'	12°28'	29°38'	8°20'	2°56'	10°33'	15°21'	16°52'	27°37'	1°18'	S 10
M 11	7 21 54	20°54'15"	6°47'	1°30'	4°56'	28°46'	12°42'	29°44'	8°17'	2°57'	10°32'	15°22'	16°49'	27°44'	1°19'	M 11
T 12	7 25 50	21°55'22"	20°7'	0°39'	6°11'	29°16'	12°56'	29°50'	8°15'	2°58'	10°31'	15°R23	16°45'	27°50'	1°19'	T 12
W 13	7 29 47	22°56'28"	3°11'6"	29°33'9"	7°26'	29°47'	13°10'	29°57'	8°12'	2°59'	10°29'	15°22'	16°42'	27°57'	1°20'	W 13
T 14	7 33 43	23°57'34"	15°45'	28°31'	8°42'	0°11'17"	13°24'	0°11'37"	8°10'	3°0'	10°28'	15°20'	16°39'	28°4'	1°20'	T 14
F 15	7 37 40	24°58'40"	28°9'	27°18'	9°57'	0°47'	13°37'	0°9'	8°8'	3°1'	10°27'	15°15'	16°36'	28°10'	1°R20	F 15
S 16	7 41 37	25°59'46"	10°17'22"	26°1'	11°12'	1°17'	13°51'	0°16'	8°5'	3°2'	10°25'	15°8'	16°33'	28°17'	1°20'	S 16
S 17	7 45 33	27°0'51"	22°25'	24°43'	12°27'	1°47'	14°5'	0°22'	8°3'	3°3'	10°24'	14°59'	16°29'	28°24'	1°20'	S 17
M 18	7 49 30	28°1'56"	4°32'23"	23°27'	13°42'	2°16'	14°19'	0°29'	8°0'	3°4'	10°23'	14°50'	16°26'	28°30'	1°19'	M 18
T 19	7 53 26	29°3'00"	16°16'	22°15'	14°57'	2°46'	14°33'	0°35'	7°58'	3°6'	10°21'	14°40'	16°23'	28°37'	1°19'	T 19
W 20	7 57 23	0°5'03"	28°7'	21°8'	16°13'	3°15'	14°46'	0°42'	7°55'	3°7'	10°20'	14°32'	16°20'	28°44'	1°18'	W 20
T 21	8 1 19	1°5'05"	9°55'56"	20°7'	17°28'	3°44'	15°0'	0°49'	7°53'	3°8'	10°18'	14°25'	16°17'	28°50'	1°18'	T 21
F 22	8 5 16	2°6'06"	21°46'	19°15'	18°43'	4°13'	15°14'	0°55'	7°51'	3°9'	10°17'	14°20'	16°14'	28°57'	1°17'	F 22
S 23	8 9 12	3°7'07"	3°11'39"	18°31'	19°58'	4°42'	15°28'	1°2'	7°49'	3°11'	10°16'	14°17'	16°10'	29°4'	1°16'	S 23
S 24	8 13 9	4°8'06"	15°38'	17°56'	21°13'	5°11'	15°41'	1°9'	7°46'	3°12'	10°14'	14°D16	16°7'	29°11'	1°15'	S 24
M 25	8 17 6	5°9'04"	27°44'	17°29'	22°28'	5°39'	15°55'	1°16'	7°44'	3°13'	10°13'	14°17'	16°6'	29°17'	1°14'	M 25
T 26	8 21 2	6°10'01"	10°V3	17°12'	23°43'	6°7'	16°8'	1°23'	7°42'	3°15'	10°11'	14°19'	16°1'	29°24'	1°12'	T 26
W 27	8 24 59	7°10'57"	22°38'	17°3'	24°58'	6°35'	16°22'	1°29'	7°40'	3°16'	10°10'	14°20'	15°58'	29°31'	1°11'	W 27
T 28	8 28 55	8°11'52"	5°33'33"	17°D2	26°13'	7°3'	16°35'	1°36'	7°37'	3°18'	10°9'	14°R21	15°55'	29°37'	1°10'	T 28
F 29	8 32 52	9°12'45"	18°53'	17°8'	27°28'	7°31'	16°49'	1°43'	7°35'	3°19'	10°7'	14°21'	15°51'	29°44'	1°8'	F 29
S 30	8 36 48	10°13'36"	2°11'39"	17°21'	28°43'	7°58'	17°2'	1°50'	7°33'	3°21'	10°6'	14°19'	15°48'	29°51'	1°6'	S 30
S 31	8 40 45	11°14'27"	16°11'53"	17°34'	29°55'	8°11'26"	17°31'16"	1°57'	7°31'	3°V22	10°4'4"	14°17'15"	15°47'45"	29°57'	1°4'4"	S 31

Delta T = 14.29 sec

Greg. Calendar

FEBRUARY 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 44 41	12°15'15"	1°33'33"	18°3'7"	1°11'12"	8°11'53"	17°32'29"	2°11'4"	7°R29	3°V24	10°R3	14°R11	15°17'42"	0°5'4"	1°R3	M 1
T 2	8 48 38	13°16'03"	16°33'	18°38'	2°27'	9°20'	17°42'	2°11'	7°27'	3°25'	10°2	14°17'6"	15°39'	0°11'	1°11'0"	T 2
W 3	8 52 35	14°16'49"	1°12'46"	19°14'	3°42'	9°46'	17°56'	2°18'	7°25'	3°27'	10°0'	14°2'	15°35'	0°17'	0°58'	W 3
T 4	8 56 31	15°17'33"	17°1'	19°55'	4°57'	10°13'	18°9'	2°25'	7°23'	3°29'	9°59'	13°59'	15°32'	0°24'	0°56'	T 4
F 5	9 0 28	16°18'17"	2°17'8"	20°40'	6°11'	10°39'	18°22'	2°32'	7°22'	3°30'	9°57'	13°57'	15°29'	0°31'	0°54'	F 5
S 6	9 4 24	17°18'59"	16°59'	21°29'	7°26'	11°5'	18°35'	2°40'	7°20'	3°32'	9°56'	13°D57	15°26'	0°37'	0°51'	S 6
S 7	9 8 21	18°19'39"	1°12'25"	22°21'	8°41'	11°31'	18°48'	2°47'	7°18'	3°34'	9°54'	13°57'	15°23'	0°44'	0°49'	S 7
M 8	9 12 17	19°20'19"	15°25'	23°17'	9°56'	11°56'	19°1'	2°54'	7°16'	3°35'	9°53'	13°59'	15°20'	0°51'	0°46'	M 8
T 9	9 16 14	20°20'57"	28°58'	24°15'	11°10'	12°22'	19°14'	3°1'	7°14'	3°37'	9°52'	14°0'	15°16'	0°57'	0°43'	T 9
W 10	9 20 10	21°21'35"	12°11'4"	25°16'	12°25'	12°47'	19°27'	3°8'	7°13'	3°39'	9°50'	14°1'	15°13'	1°4'	0°40'	W 10
T 11	9 24 7	22°22'11"	24°47'	26°20'	13°39'	13°11'	19°40'	3°15'	7°11'	3°41'	9°49'	14°R2	15°10'	1°11'	0°37'	T 11
F 12	9 28 3	23°22'46"	7°11'11"	27°26'	14°54'	13°36'	19°53'	3°23'	7°10'	3°43'	9°48'	14°1'	15°7'	1°18'	0°34'	F 12
S 13	9 32 0	24°23'20"	19°21'	28°35'	16°8'	14°0'	20°6'	3°30'	7°8'	3°44'	9°46'	13°59'	15°4'	1°24'	0°31'	S 13
S 14	9 35 57	25°23'52"	1°32'21"	29°45'	17°23'	14°24'	20°18'	3°37'	7°7'	3°46'	9°45'	13°57'	15°1'	1°31'	0°28'	S 14
M 15	9 39 53	26°24'23"	13°13'	0°55'57"	18°37'	14°48'	20°31'	3°44'	7°5'	3°48'	9°43'	13°54'	14°57'	1°38'	0°25'	M 15
T 16	9 43 50	27°24'53"	25°3'	2°11'	19°52'	15°11'	20°44'	3°52'	7°4'	3°50'	9°42'	13°51'	14°54'	1°44'	0°21'	T 16
W 17	9 47 46	28°25'21"	6°52'52"	3°27'	21°6'	15°34'	20°56'	3°59'	7°2'	3°52'	9°41'	13°49'	14°51'	1°51'	0°18'	W 17
T 18	9 51 43	29°25'47"	18°43'	4°44'	22°21'	15°57'	21°9'	4°6'	7°1'	3°54'	9°39'	13°47'	14°48'	1°58'	0°14'	T 18
F 19	9 55 39	0°16'12"	0°11'38"	6°3'	23°35'	16°20'	21°21'	4°14'	7°0'	3°56'	9°38'	13°46'	14°45'	2°4'	0°10'	F 19
S 20	9 59 36	1°26'36"	12°40'	7°23'	24°49'	16°42'	21°33'	4°21'	6°59'	3°58'	9°37'	13°D45	14°41'	2°11'	0°7'	S 20
S 21	10 3 32	2°26'57"	24°49'	8°44'	26°4'	17°4'	21°46'	4°28'	6°57'	4°0'	9°35'	13°45'	14°38'	2°18'	0°3'	S 21
M 22	10 7 29	3°27'17"	7°V8	10°7'	27°18'	17°25'	21°58'	4°35'	6°56'	4°2'	9°34'	13°46'	14°35'	2°24'	29°17'59"	M 22
T 23	10 11 26	4°27'34"	19°39'	11°32'	28°32'	17°46'	22°10'	4°43'	6°55'	4°4'	9°33'	13°47'	14°32'	2°31'	29°55'	T 23
W 24	10 15 22	5°27'50"	2°32'24"	12°57'	29°46'	18°7'	22°22'	4°50'	6°54'	4°6'	9°32'	13°48'	14°29'	2°38'	29°51'	W 24
T 25	10 19 19	6°28'04"	15°25'	14°24'	1°V0	18°27'	22°34'	4°57'	6°53'	4°8'	9°30'	13°49'	14°26'	2°44'	29°47'	T 25
F 26	10 23 15	7°28'15"	28°45'	15°52'	2°14'	18°47'	22°46'	5°5'	6°52'	4°10'	9°29'	13°49'	14°22'	2°51'	29°43'	F 26
S 27	10 27 12	8°28'25"	12°11'24"	17°21'	3°28'	19°7'	22°58'	5°12'	6°51'	4°12'	9°28'	13°R49	14°19'	2°58'	29°38'	S 27
S 28	10 31 8	9°28'32"	26°11'25"	18°55'	4°V42	19°11'26"	23°3'9"	5°11'19"	6°51'	4°V14	9°27'27"	13°17'49"	14°17'16"	3°5'4"	29°17'34"	S 28

Delta T = 14.26 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1700

geocentric

MARCH 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 35 5	10°28'38"	10°45'	20°22'	5°56'	19°45'	23°21'	5°27'	6°50'	4°16'	9°26'	13°49'	14°13'	3°11'	29°30'	M 1
T 2	10 39 1	11°28'41"	25°23'	21°55'	7°10'	20°4'	23°33'	5°34'	6°49'	4°18'	9°24'	13°48'	14°10'	3°18'	29°25'	T 2
W 3	10 42 58	12°28'42"	10°14'	23°28'	8°24'	20°22'	23°44'	5°41'	6°48'	4°21'	9°23'	13°48'	14°7'	3°24'	29°21'	W 3
T 4	10 46 55	13°28'41"	25°10'	25°3'	9°38'	20°40'	23°55'	5°48'	6°48'	4°23'	9°22'	13°D48'	14°3'	3°31'	29°17'	T 4
F 5	10 50 51	14°28'38"	10°15'	26°39'	10°51'	20°57'	24°7'	5°56'	6°47'	4°25'	9°21'	13°R48'	14°0'	3°38'	29°12'	F 5
S 6	10 54 48	15°28'33"	24°49'	28°16'	12°5'	21°14'	24°18'	6°3'	6°47'	4°27'	9°20'	13°48'	13°57'	3°44'	29°7'	S 6
S 7	10 58 44	16°28'25"	9°17'	29°54'	13°19'	21°31'	24°29'	6°10'	6°46'	4°29'	9°19'	13°48'	13°54'	3°51'	29°3'	S 7
M 8	11 2 41	17°28'17"	23°22'	1°34'	14°32'	21°47'	24°40'	6°17'	6°46'	4°31'	9°18'	13°48'	13°51'	3°58'	28°58'	M 8
T 9	11 6 37	18°28'06"	7°11'	3°14'	15°46'	22°2'	24°51'	6°25'	6°46'	4°34'	9°17'	13°47'	13°47'	4°5'	28°54'	T 9
W10	11 10 34	19°27'54"	20°16'	4°56'	16°59'	22°17'	25°2'	6°32'	6°45'	4°36'	9°16'	13°46'	13°44'	4°11'	28°49'	W10
T 11	11 14 30	20°27'40"	3°17'	6°39'	18°13'	22°32'	25°13'	6°39'	6°45'	4°38'	9°15'	13°46'	13°41'	4°18'	28°44'	T 11
F 12	11 18 27	21°27'24"	15°36'	8°23'	19°26'	22°46'	25°23'	6°46'	6°45'	4°40'	9°14'	13°46'	13°38'	4°25'	28°39'	F 12
S 13	11 22 24	22°27'06"	27°48'	10°8'	20°40'	23°0'	25°34'	6°53'	6°45'	4°42'	9°13'	13°D46'	13°35'	4°31'	28°35'	S 13
S 14	11 26 20	23°26'47"	9°37'	11°55'	21°53'	23°13'	25°44'	7°0'	6°45'	4°45'	9°12'	13°46'	13°32'	4°38'	28°30'	S 14
M15	11 30 17	24°26'26"	21°39'	13°43'	23°6'	23°25'	25°55'	7°8'	6°D45'	4°47'	9°11'	13°47'	13°28'	4°45'	28°25'	M15
T 16	11 34 13	25°26'03"	3°28'	15°32'	24°20'	23°37'	26°5'	7°15'	6°45'	4°49'	9°10'	13°48'	13°25'	4°51'	28°20'	T 16
W17	11 38 10	26°25'39"	15°18'	17°22'	25°33'	23°49'	26°15'	7°22'	6°45'	4°51'	9°9'	13°49'	13°22'	4°58'	28°15'	W17
T 18	11 42 6	27°25'12"	2°12'	19°14'	26°46'	24°0'	26°25'	7°29'	6°45'	4°54'	9°8'	13°50'	13°19'	5°5'	28°11'	T 18
F 19	11 46 3	28°24'44"	9°14'	21°7'	27°59'	24°10'	26°35'	7°36'	6°45'	4°56'	9°7'	13°R51'	13°16'	5°11'	28°6'	F 19
S 20	11 49 59	29°24'13"	21°27'	23°1'	29°12'	24°20'	26°45'	7°43'	6°45'	4°58'	9°6'	13°51'	13°12'	5°18'	28°1'	S 20
S 21	11 53 56	0°Y23'41"	3°Y51'	24°56'	0°8'25"	24°29'	26°55'	7°50'	6°46'	5°0'	9°5'	13°50'	13°9'	5°25'	27°56'	S 21
M22	11 57 52	1°23'06"	16°28'	26°53'	1°38'	24°38'	27°4'	7°57'	6°46'	5°3'	9°5'	13°48'	13°6'	5°31'	27°51'	M22
T 23	12 1 49	2°22'29"	29°19'	28°50'	2°50'	24°46'	27°14'	8°3'	6°46'	5°5'	9°4'	13°45'	13°3'	5°38'	27°46'	T 23
W24	12 5 46	3°21'51"	12°8'24"	0°Y49'	4°3'	24°53'	27°32'	8°10'	6°47'	5°7'	9°3'	13°43'	13°0'	5°45'	27°42'	W24
T 25	12 9 42	4°21'10"	25°42'	2°49'	5°16'	25°0'	27°23'	8°17'	6°47'	5°10'	9°2'	13°40'	12°57'	5°51'	27°37'	T 25
F 26	12 13 39	5°20'26"	9°II14"	4°50'	6°29'	25°6'	27°41'	8°24'	6°48'	5°12'	9°2'	13°37'	12°53'	5°58'	27°32'	F 26
S 27	12 17 35	6°19'41"	22°59'	6°52'	7°41'	25°11'	27°50'	8°31'	6°48'	5°14'	9°1'	13°36'	12°50'	6°5'	27°27'	S 27
S 28	12 21 32	7°18'53"	6°56'	8°55'	8°54'	25°16'	27°59'	8°38'	6°49'	5°16'	9°0'	13°D35'	12°47'	6°11'	27°23'	S 28
M29	12 25 28	8°18'02"	21°4'	10°58'	10°6'	25°20'	28°8'	8°44'	6°50'	5°19'	9°0'	13°35'	12°44'	6°18'	27°18'	M29
T 30	12 29 25	9°17'10"	5°II22"	13°2'	11°18'	25°23'	28°17'	8°51'	6°51'	5°21'	8°59'	13°37'	12°41'	6°25'	27°13'	T 30
W31	12 33 21	10°Y16'15"	19°II48"	15°Y7'	12°8'31"	25°II26"	28°3'25"	8°57'	6°52'	5°Y23'	8°II59'	13°II38"	12°II38"	6°3'31"	27°II9"	W31

Delta T = 14.23 sec

Greg. Calendar

APRIL 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 18	11°Y15'17"	4°II17"	17°Y11'	13°8'43"	25°II28"	28°3'34"	9°II4'	6°52'	5°Y25'	8°R58'	13°II39"	12°II34"	6°3'38"	27°R4'	T 1
F 2	12 41 15	12°14'17"	18°46'	19°15'	14°55'	25°29'	28°42'	9°11'	6°53'	5°28'	8°II58'	13°R39'	12°31'	6°45'	26°II59"	F 2
S 3	12 45 11	13°13'16"	3°49'	21°19'	16°7'	25°R29'	28°50'	9°17'	6°54'	5°30'	8°57'	13°R38'	12°28'	6°51'	26°55'	S 3
S 4	12 49 8	14°12'12"	17°21'	23°21'	17°19'	25°29'	28°58'	9°24'	6°55'	5°32'	8°57'	13°35'	12°25'	6°58'	26°50'	S 4
M 5	12 53 4	15°11'06"	1°II17"	25°23'	18°31'	25°28'	29°6'	9°30'	6°56'	5°34'	8°56'	13°31'	12°22'	7°5'	26°46'	M 5
T 6	12 57 1	16°9'58"	14°53'	27°24'	19°43'	25°27'	29°13'	9°36'	6°58'	5°37'	8°56'	13°26'	12°18'	7°11'	26°42'	T 6
W 7	13 0 57	17°8'48"	28°8'	29°22'	20°55'	25°24'	29°21'	9°43'	6°59'	5°39'	8°55'	13°21'	12°15'	7°18'	26°37'	W 7
T 8	13 4 54	18°7'36"	11°17'	0°18'	22°7'	25°21'	29°28'	9°49'	7°0'	5°41'	8°55'	13°16'	12°12'	7°25'	26°33'	T 8
F 9	13 8 50	19°6'23"	23°33'	3°12'	23°18'	25°17'	29°36'	9°55'	7°1'	5°43'	8°55'	13°12'	12°9'	7°31'	26°29'	F 9
S 10	13 12 47	20°5'08"	5°37'	5°3'	24°30'	25°12'	29°43'	10°1'	7°3'	5°46'	8°54'	13°9'	12°6'	7°38'	26°25'	S 10
S 11	13 16 44	21°3'51"	17°49'	6°51'	25°41'	25°7'	29°50'	10°8'	7°4'	5°48'	8°54'	13°D8'	12°3'	7°45'	26°21'	S 11
M12	13 20 40	22°2'33"	29°42'	8°35'	26°53'	25°1'	29°56'	10°14'	7°6'	5°50'	8°54'	13°8'	11°59'	7°51'	26°16'	M12
T 13	13 24 37	23°1'13"	11°33'	10°16'	28°4'	24°54'	0°10'	10°20'	7°7'	5°52'	8°54'	13°9'	11°56'	7°58'	26°13'	T 13
W14	13 28 33	23°59'51"	23°22'	11°53'	29°15'	24°46'	0°10'	10°26'	7°9'	5°54'	8°53'	13°11'	11°53'	8°5'	26°9'	W14
T 15	13 32 30	24°58'27"	5°II19"	13°25'	0°II26"	24°37'	0°16'	10°32'	7°10'	5°57'	8°53'	13°12'	11°50'	8°11'	26°5'	T 15
F 16	13 36 26	25°57'01"	17°27'	14°53'	1°38'	24°28'	0°22'	10°37'	7°12'	5°59'	8°53'	13°R12'	11°47'	8°18'	26°1'	F 16
S 17	13 40 23	26°55'34"	29°49'	16°17'	2°49'	24°18'	0°28'	10°43'	7°13'	6°1'	8°53'	13°11'	11°43'	8°25'	25°57'	S 17
S 18	13 44 19	27°54'05"	12°Y28"	17°36'	4°0'	24°7'	0°34'	10°49'	7°15'	6°3'	8°53'	13°7'	11°40'	8°31'	25°54'	S 18
M19	13 48 16	28°52'34"	25°24'	18°50'	5°10'	23°55'	0°40'	10°55'	7°17'	6°5'	8°53'	13°2'	11°37'	8°38'	25°50'	M19
T 20	13 52 12	29°51'02"	8°8'38"	19°59'	6°21'	23°43'	0°45'	11°0'	7°19'	6°7'	8°53'	12°55'	11°34'	8°45'	25°47'	T 20
W21	13 56 9	0°8'49'27"	22°8'	21°3'	7°32'	23°30'	0°51'	11°6'	7°21'	6°9'	8°D53'	12°47'	11°31'	8°51'	25°43'	W21
T 22	14 0 6	1°47'50"	5°II51"	22°2'	8°42'	23°16'	0°56'	11°12'	7°23'	6°12'	8°53'	12°39'	11°28'	8°58'	25°40'	T 22
F 23	14 4 2	2°46'12"	19°45'	22°56'	9°53'	23°2'	1°1'	11°17'	7°25'	6°14'	8°53'	12°32'	11°24'	9°5'	25°37'	F 23
S 24	14 7 59	3°44'32"	3°57'	23°44'	11°3'	22°47'	1°6'	11°22'	7°27'	6°16'	8°53'	12°26'	11°21'	9°11'	25°34'	S 24
S 25	14 11 55	4°42'49"	17°52'	24°28'	12°14'	22°31'	1°11'	11°28'	7°29'	6°18'	8°53'	12°23'	11°18'	9°18'	25°31'	S 25
M26	14 15 52	5°41'04"	2°II1'	25°6'	13°24'	22°15'	1°15'	11°33'	7°31'	6°20'	8°53'	12°D22'	11°15'	9°25'	25°28'	M26
T 27	14 19 48	6°39'18"	16°10'	25°38'	14°34'	21°58'	1°20'	11°38'	7°33'	6°22'	8°53'	12°22'	11°12'	9°31'	25°25'	T 27
W28	14 23 45	7°37'29"	0°II18"	26°5'	15°44'	21°40'	1°24'	11°43'	7°35'	6°24'	8°53'	12°23'	11°9'	9°38'	25°22'	W28
T 29	14 27 41	8°35'38"	14°24'	26°26'	16°54'	21°22'	1°28'	11°49'	7°37'	6°26'	8°54'	12°R23'	11°5'	9°45'	25°20'	T 29
F 30	14 31 38	9°33'45"	28°II26"	26°8'43"	18°II3'	21°II4'	1°32'	11°54'	7°39'	6°Y28'	8°II54"	12°II22"	11°II2'	9°3'51"	25°II17"	F 30

Delta T = 14.20 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1700

geocentric

MAY 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 35	10 ⁸ 31'50	12 ² 23	26 ⁸ 53	19 ^{II} 13	20°R45	1 ³ 36	11 ¹ 58	7 ² 42	6 ^Y 30	8 ² 54	12°R19	10 ¹ 59	9 ³ 58	25°R15	S 1
S 2	14 39 31	11°29'53	26°10	26°59	20°23	20 ^{III} 26	1°39	12° 3	7°44	6°32	8°54	12 ¹ 13	10°56	10° 5	25 ¹ 12	S 2
M 3	14 43 28	12°27'55	9 ^{III} 46	26°R59	21°32	20° 6	1°43	12° 8	7°46	6°34	8°55	12° 5	10°53	10°11	25°10	M 3
T 4	14 47 24	13°25'55	23° 7	26°54	22°41	19°46	1°46	12°13	7°49	6°36	8°55	11°55	10°49	10°18	25° 8	T 4
W 5	14 51 21	14°23'53	6 ¹ 11	26°45	23°51	19°25	1°49	12°18	7°51	6°37	8°55	11°44	10°46	10°25	25° 6	W 5
T 6	14 55 17	15°21'50	18°58	26°31	25° 0	19° 5	1°52	12°22	7°54	6°39	8°56	11°33	10°43	10°31	25° 4	T 6
F 7	14 59 14	16°19'46	1 ³ 27	26°12	26° 9	18°44	1°54	12°27	7°56	6°41	8°56	11°24	10°40	10°38	25° 2	F 7
S 8	15 3 10	17°17'40	13°40	25°50	27°17	18°22	1°57	12°31	7°59	6°43	8°57	11°17	10°37	10°45	25° 1	S 8
S 9	15 7 7	18°15'33	25°41	25°24	28°26	18° 1	1°59	12°35	8° 2	6°45	8°57	11°12	10°34	10°51	24°59	S 9
M10	15 11 4	19°13'24	7 ³ 34	24°56	29°35	17°40	2° 1	12°40	8° 4	6°47	8°58	11°10	10°30	10°58	24°57	M10
T 11	15 15 0	20°11'14	19°24	24°25	0 ² 43	17°18	2° 3	12°44	8° 7	6°48	8°58	11°D 9	10°27	11° 5	24°56	T 11
W12	15 18 57	21° 9'03	1 ¹ 15	23°52	1°51	16°56	2° 5	12°48	8°10	6°50	8°59	11°10	10°24	11°11	24°55	W12
T 13	15 22 53	22° 6'51	13°13	23°18	3° 0	16°35	2° 6	12°52	8°12	6°52	8°59	11°R10	10°21	11°18	24°54	T 13
F 14	15 26 50	23° 4'38	25°24	22°43	4° 8	16°13	2° 7	12°56	8°15	6°54	9° 0	11° 9	10°18	11°25	24°53	F 14
S 15	15 30 46	24° 2'24	7 ^Y 52	22° 8	5°15	15°52	2° 9	13° 0	8°18	6°55	9° 1	11° 6	10°15	11°31	24°52	S 15
S 16	15 34 43	25° 0'08	20°40	21°33	6°23	15°31	2° 9	13° 4	8°21	6°57	9° 1	11° 1	10°11	11°38	24°51	S 16
M17	15 38 39	25°57'51	3 ⁸ 50	21° 0	7°31	15°10	2°10	13° 8	8°24	6°59	9° 2	10°53	10° 8	11°45	24°50	M17
T 18	15 42 36	26°55'33	17°23	20°28	8°38	14°49	2°11	13°11	8°26	7° 0	9° 3	10°43	10° 5	11°51	24°49	T 18
W19	15 46 33	27°53'14	1 ^{II} 17	19°59	9°46	14°28	2°11	13°15	8°29	7° 2	9° 3	10°32	10° 2	11°58	24°49	W19
T 20	15 50 29	28°50'53	15°27	19°32	10°53	14° 8	2°R11	13°18	8°32	7° 3	9° 4	10°20	9°59	12° 5	24°49	T 20
F 21	15 54 26	29°48'32	29°47	19° 9	12° 0	13°48	2°11	13°22	8°35	7° 5	9° 5	10°10	9°55	12°11	24°48	F 21
S 22	15 58 22	0 ^{II} 46'09	14 ² 13	18°49	13° 7	13°29	2°11	13°25	8°38	7° 7	9° 6	10° 2	9°52	12°18	24°48	S 22
S 23	16 2 19	1°43'44	28°37	18°32	14°13	13°10	2°11	13°28	8°41	7° 8	9° 7	9°56	9°49	12°25	24°D48	S 23
M24	16 6 15	2°41'18	12 ² 57	18°20	15°20	12°52	2°10	13°31	8°45	7° 9	9° 7	9°53	9°46	12°31	24°48	M24
T 25	16 10 12	3°38'51	27° 9	18°11	16°26	12°34	2° 9	13°34	8°48	7°11	9° 8	9°52	9°43	12°38	24°48	T 25
W26	16 14 8	4°36'22	11 ¹ 12	18°D 7	17°32	12°17	2° 9	13°37	8°51	7°12	9° 9	9°52	9°40	12°45	24°49	W26
T 27	16 18 5	5°33'51	25° 5	18° 8	18°38	12° 0	2° 7	13°40	8°54	7°14	9°10	9°52	9°36	12°51	24°49	T 27
F 28	16 22 2	6°31'20	8 ² 48	18°13	19°44	11°44	2° 6	13°43	8°57	7°15	9°11	9°50	9°33	12°58	24°50	F 28
S 29	16 25 58	7°28'47	22°22	18°22	20°49	11°28	2° 5	13°46	9° 0	7°16	9°12	9°45	9°30	13° 5	24°50	S 29
S 30	16 29 55	8°26'13	5 ^{III} 45	18°36	21°55	11°14	2° 3	13°48	9° 4	7°18	9°13	9°38	9°27	13°11	24°51	S 30
M31	16 33 51	9 ^{II} 23'37	18 ^{III} 58	18°54	23°20	11°10	2 ³ 1	13°51	9°27	7°Y19	9°14	9°28	9°24	13°18	24°52	M31

Delta T = 14.17 sec

Greg. Calendar

JUNE 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 37 48	10 ^{II} 21'01	1 ¹ 58	19 ⁸ 17	24°25	10°R47	1°R59	13 ¹ 53	9°210	7°Y20	9°15	9°R16	9°120	13°25	24°53	T 1
W 2	16 41 44	11°18'24	14°45	19°44	25° 9	10 ^{III} 34	1°557	13°55	9°13	7°22	9°16	9°13	9°17	13°31	24°54	W 2
T 3	16 45 41	12°15'46	27°19	20°15	26°14	10°22	1°54	13°58	9°17	7°23	9°17	8°50	9°14	13°38	24°55	T 3
F 4	16 49 37	13°13'07	9 ³ 39	20°51	27°18	10°11	1°52	14° 0	9°20	7°24	9°18	8°39	9°11	13°45	24°57	F 4
S 5	16 53 34	14°10'28	21°46	21°30	28°22	10° 1	1°49	14° 2	9°23	7°25	9°20	8°30	9° 8	13°51	24°58	S 5
S 6	16 57 31	15° 7'48	3 ³ 44	22°14	29°26	9°51	1°46	14° 4	9°27	7°26	9°21	8°23	9° 5	13°58	25° 0	S 6
M 7	17 1 27	16° 5'07	15°35	23° 2	0 ^{II} 29	9°43	1°43	14° 5	9°30	7°27	9°22	8°19	9° 1	14° 5	25° 2	M 7
T 8	17 5 24	17° 2'26	27°23	23°53	1°32	9°35	1°39	14° 7	9°34	7°28	9°23	8°17	8°58	14°11	25° 3	T 8
W 9	17 9 20	17°59'44	9 ¹ 13	24°48	2°35	9°28	1°36	14° 9	9°37	7°29	9°24	8°D17	8°55	14°18	25° 5	W 9
T 10	17 13 17	18°57'02	21°11	25°47	3°38	9°22	1°32	14°10	9°40	7°30	9°25	8°R17	8°52	14°25	25° 7	T 10
F 11	17 17 13	19°54'19	3 ^Y 22	26°50	4°40	9°16	1°28	14°12	9°44	7°31	9°27	8°16	8°49	14°31	25° 9	F 11
S 12	17 21 10	20°51'37	15°51	27°56	5°43	9°12	1°24	14°13	9°47	7°32	9°28	8°14	8°46	14°38	25°12	S 12
S 13	17 25 6	21°48'53	28°42	29° 5	6°44	9° 8	1°20	14°14	9°51	7°33	9°29	8°10	8°42	14°44	25°14	S 13
M14	17 29 3	22°46'10	11 ⁸ 59	0 ^{II} 18	7°46	9° 5	1°15	14°16	9°54	7°34	9°31	8° 3	8°39	14°51	25°17	M14
T 15	17 33 0	23°43'26	25°42	1°34	8°47	9° 3	1°11	14°17	9°58	7°35	9°32	7°54	8°36	14°58	25°19	T 15
W16	17 36 56	24°40'42	9 ^{II} 51	2°54	9°48	9° 2	1° 6	14°18	10° 1	7°36	9°33	7°43	8°33	15° 4	25°22	W16
T 17	17 40 53	25°37'58	24°20	4°17	10°49	9°D 1	1° 1	14°19	10° 5	7°37	9°35	7°32	8°30	15°11	25°25	T 17
F 18	17 44 49	26°35'13	9°24	5°44	11°49	9° 2	0°56	14°19	10° 8	7°37	9°36	7°23	8°26	15°18	25°28	F 18
S 19	17 48 46	27°32'28	23°53	7°13	12°49	9° 3	0°51	14°20	10°12	7°38	9°37	7°15	8°23	15°24	25°31	S 19
S 20	17 52 42	28°29'43	8°140	8°46	13°48	9° 5	0°46	14°20	10°16	7°39	9°39	7°10	8°20	15°31	25°34	S 20
M21	17 56 39	29°26'56	23°19	10°22	14°48	9° 8	0°40	14°21	10°19	7°40	9°40	7° 7	8°17	15°38	25°37	M21
T 22	18 0 35	0 ² 24'10	7 ¹ 14	12° 1	15°46	9°11	0°35	14°21	10°23	7°40	9°42	7°D 7	8°14	15°44	25°40	T 22
W23	18 4 32	1°21'22	12°52	13°43	16°45	9°16	0°29	14°22	10°26	7°41	9°43	7° 7	8°11	15°51	25°44	W23
T 24	18 8 29	2°18'34	5°244	15°29	17°43	9°21	0°23	14°22	10°30	7°41	9°45	7°R 7	8° 7	15°58	25°47	T 24
F 25	18 12 25	3°15'46	19°19	17°17	18°40	9°27	0°17	14°R22	10°34	7°42	9°46	7° 6	8° 4	16° 4	25°51	F 25
S 26	18 16 22	4°12'57	2 ^{III} 39	19° 8	19°37	9°34	0°11	14°22	10°37	7°42	9°48	7° 3	8° 1	16°11	25°55	S 26
S 27	18 20 18	5°10'08	15°45	21° 2	20°34	9°41	0° 5	14°22	10°41	7°43	9°49	6°57	7°58	16°18	25°58	S 27
M28	18 24 15	6° 7'18	28°37	22°58	21°30	9°50	29°58	14°21	10°44	7°43	9°51	6°49	7°55	16°24	26° 2	M28
T 29	18 28 11	7° 4'28	11 ¹ 18	24°57	22°26	9°59	29°52	14°21	10°48	7°44	9°52	6°40	7°52	16°31	26° 6	T 29
W30	18 32 8	8°21'39	23 ¹ 48	26 ^{II} 58	23°121	10 ^{III} 8	29°45	14°21	10°52	7°Y44	9°154	6°129	7°148	16°38	26°11	W30

Delta T = 14.14 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1700
geocentric

JULY 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 4	8 ⁵⁸ 49	6 ³ 6	29 ^{II} 1	24 ^{II} 16	10 ^{III} 19	29 ^R 39	14 ^R 20	10 ^{III} 55	7 ^Y 44	9 ^{II} 55	6 ^R 19	7 ^{II} 45	16 ^{III} 44	26 ^{II} 15	T 1
F 2	18 40 1	9 ⁵⁵ 59	18 ¹⁵	1 ^{III} 6	25 ¹⁰	10 ³⁰	29 ^{III} 32	14 ^{III} 19	10 ⁵⁹	7 ⁴⁵	9 ⁵⁷	6 ^{II} 10	7 ⁴²	16 ⁵¹	26 ¹⁹	F 2
S 3	18 43 58	10 ⁵³ 09	0 ^{III} 14	3 ¹²	26 ³	10 ⁴¹	29 ²⁵	14 ¹⁹	11 ³	7 ⁴⁵	9 ⁵⁹	6 ²	7 ³⁹	16 ⁵⁸	26 ²⁴	S 3
S 4	18 47 54	11 ⁵⁰ 20	12 ⁷	5 ²⁰	26 ⁵⁶	10 ⁵⁴	29 ¹⁸	14 ¹⁸	11 ⁶	7 ⁴⁵	10 ⁰	5 ⁵⁷	7 ³⁶	17 ⁴	26 ²⁸	S 4
M 5	18 51 51	12 ⁴⁷ 30	23 ⁵⁵	7 ²⁸	27 ⁴⁹	11 ⁷	29 ¹¹	14 ¹⁷	11 ¹⁰	7 ⁴⁶	10 ²	5 ⁵⁴	7 ³²	17 ¹¹	26 ³³	M 5
T 6	18 55 47	13 ⁴⁴ 41	5 ^{III} 42	9 ³⁷	28 ⁴¹	11 ²⁰	29 ⁴	14 ¹⁶	11 ¹⁴	7 ⁴⁶	10 ⁴	5 ^{D54}	7 ²⁹	17 ¹⁸	26 ³⁷	T 6
W 7	18 59 44	14 ⁴¹ 53	17 ³²	11 ⁴⁷	29 ³²	11 ³⁵	28 ⁵⁷	14 ¹⁵	11 ¹⁷	7 ⁴⁶	10 ⁵	5 ⁵⁴	7 ²⁶	17 ²⁴	26 ⁴²	W 7
T 8	19 3 40	15 ³⁹ 04	29 ³⁰	13 ⁵⁶	0 ^{II} 22	11 ⁵⁰	28 ⁴⁹	14 ¹⁴	11 ²¹	7 ⁴⁶	10 ⁷	5 ⁵⁵	7 ²³	17 ³¹	26 ⁴⁷	T 8
F 9	19 7 37	16 ³⁶ 17	11 ^Y 40	16 ⁶	1 ¹²	12 ⁵	28 ⁴²	14 ¹²	11 ²⁴	7 ⁴⁶	10 ⁹	5 ^{R56}	7 ²⁰	17 ³⁸	26 ⁵²	F 9
S 10	19 11 33	17 ³³ 30	24 ⁷	18 ¹⁴	2 ¹	12 ²¹	28 ³⁴	14 ¹¹	11 ²⁸	7 ⁴⁶	10 ¹⁰	5 ⁵⁶	7 ¹⁷	17 ⁴⁴	26 ⁵⁷	S 10
S 11	19 15 30	18 ³⁰ 43	6 ^{III} 57	20 ²³	2 ⁴⁹	12 ³⁸	28 ²⁷	14 ⁹	11 ³²	7 ^{R46}	10 ¹²	5 ⁵⁴	7 ¹³	17 ⁵¹	27 ²	S 11
M 12	19 19 27	19 ²⁷ 57	20 ¹³	22 ³⁰	3 ³⁷	12 ⁵⁵	28 ¹⁹	14 ⁸	11 ³⁵	7 ⁴⁶	10 ¹⁴	5 ⁵¹	7 ¹⁰	17 ⁵⁸	27 ⁸	M 12
T 13	19 23 23	20 ²⁵ 12	3 ^{II} 56	24 ³⁶	4 ²⁴	13 ¹³	28 ¹²	14 ⁶	11 ³⁹	7 ⁴⁶	10 ¹⁵	5 ⁴⁶	7 ⁷	18 ⁴	27 ¹³	T 13
W 14	19 27 20	21 ²² 28	18 ⁸	26 ⁴¹	5 ¹⁰	13 ³²	28 ⁴	14 ⁴	11 ⁴³	7 ⁴⁶	10 ¹⁷	5 ³⁹	7 ⁴	18 ¹¹	27 ¹⁸	W 14
T 15	19 31 16	22 ¹⁹ 44	2 ^{III} 44	28 ⁴⁴	5 ⁵⁵	13 ⁵¹	27 ⁵⁶	14 ²	11 ⁴⁶	7 ⁴⁶	10 ¹⁹	5 ³³	7 ¹	18 ¹⁷	27 ²⁴	T 15
F 16	19 35 13	23 ¹⁷ 01	17 ³⁹	0 ^{II} 46	6 ³⁹	14 ¹⁰	27 ⁴⁹	14 ¹	11 ⁵⁰	7 ⁴⁶	10 ²¹	5 ²⁷	6 ⁵⁸	18 ²⁴	27 ²⁹	F 16
S 17	19 39 9	24 ¹⁴ 18	2 ^{II} 45	2 ⁴⁷	7 ²²	14 ³⁰	27 ⁴¹	13 ⁵⁸	11 ⁵³	7 ⁴⁶	10 ²²	5 ²²	6 ⁵⁴	18 ³¹	27 ³⁵	S 17
S 18	19 43 6	25 ¹¹ 36	17 ⁵⁰	4 ⁴⁶	8 ⁵	14 ⁵¹	27 ³³	13 ⁵⁶	11 ⁵⁷	7 ⁴⁵	10 ²⁴	5 ¹⁹	6 ⁵¹	18 ³⁷	27 ⁴¹	S 18
M 19	19 47 3	26 ⁸ 54	2 ^{II} 48	6 ⁴³	8 ⁴⁶	15 ¹²	27 ²⁶	13 ⁵⁴	12 ⁰	7 ⁴⁵	10 ²⁶	5 ^{D18}	6 ⁴⁸	18 ⁴⁴	27 ⁴⁷	M 19
T 20	19 50 59	27 ⁶ 13	17 ³⁰	8 ³⁹	9 ²⁷	15 ³⁴	27 ¹⁸	13 ⁵²	12 ⁴	7 ⁴⁵	10 ²⁸	5 ¹⁸	6 ⁴⁵	18 ⁵¹	27 ⁵³	T 20
W 21	19 54 56	28 ³ 32	1 ^{II} 52	10 ³³	10 ⁶	15 ⁵⁶	27 ¹⁰	13 ⁴⁹	12 ⁸	7 ⁴⁵	10 ²⁹	5 ²⁰	6 ⁴²	18 ⁵⁷	27 ⁵⁹	W 21
T 22	19 58 52	29 ⁰ 51	15 ⁵¹	12 ²⁵	10 ⁴⁴	16 ¹⁹	27 ²	13 ⁴⁷	12 ¹¹	7 ⁴⁴	10 ³¹	5 ²¹	6 ³⁸	19 ⁴	28 ⁵	T 22
F 23	20 2 49	29 ⁵⁸ 11	29 ²⁸	14 ¹⁶	11 ²¹	16 ⁴²	26 ⁵⁴	13 ⁴⁴	12 ¹⁵	7 ⁴⁴	10 ³³	5 ^{R22}	6 ³⁵	19 ¹¹	28 ¹¹	F 23
S 24	20 6 45	0 ^{II} 55'31	12 ^{III} 44	16 ⁴	11 ⁵⁷	17 ⁵	26 ⁴⁷	13 ⁴²	12 ¹⁸	7 ⁴³	10 ³⁵	5 ²¹	6 ³²	19 ¹⁷	28 ¹⁷	S 24
S 25	20 10 42	1 ⁵² 52	25 ⁴¹	17 ⁵²	12 ³²	17 ²⁹	26 ³⁹	13 ³⁹	12 ²²	7 ⁴³	10 ³⁶	5 ¹⁹	6 ²⁹	19 ²⁴	28 ²³	S 25
M 26	20 14 38	2 ⁵⁰ 13	8 ^{II} 21	19 ³⁷	13 ⁵	17 ⁵⁴	26 ³¹	13 ³⁶	12 ²⁵	7 ⁴³	10 ³⁸	5 ¹⁵	6 ²⁶	19 ³¹	28 ³⁰	M 26
T 27	20 18 35	3 ⁴⁷ 35	20 ⁴⁸	21 ²¹	13 ³⁷	18 ¹⁸	26 ²⁴	13 ³³	12 ²⁸	7 ⁴²	10 ⁴⁰	5 ¹¹	6 ²³	19 ³⁷	28 ³⁶	T 27
W 28	20 22 32	4 ⁴⁴ 58	3 ^{III} 3	23 ³	14 ⁷	18 ⁴⁴	26 ¹⁶	13 ³⁰	12 ³²	7 ⁴²	10 ⁴²	5 ⁶	6 ¹⁹	19 ⁴⁴	28 ⁴³	W 28
T 29	20 26 28	5 ⁴² 22	15 ⁹	24 ⁴³	14 ³⁶	19 ⁹	26 ⁸	13 ²⁷	12 ³⁵	7 ⁴¹	10 ⁴⁴	5 ¹	6 ¹⁶	19 ⁵¹	28 ⁴⁹	T 29
F 30	20 30 25	6 ³⁹ 46	27 ⁷	26 ²²	15 ⁴	19 ³⁶	26 ¹	13 ²⁴	12 ³⁹	7 ⁴⁰	10 ⁴⁵	4 ⁵⁶	6 ¹³	19 ⁵⁷	28 ⁵⁶	F 30
S 31	20 34 21	7 ^{II} 37'11	9 ^{III} 0	27 ^{II} 59	15 ^{II} 30	20 ^{III} 2	25 ^{III} 53	13 ^{II} 21	12 ^{III} 42	7 ^Y 40	10 ^{II} 47	4 ^{II} 53	6 ^{II} 10	20 ^{III} 4	29 ^{II} 3	S 31

Delta T = 14.12 sec

Greg. Calendar

AUGUST 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 38 18	8♠34'37	20♠49	29♠35	15♠54	20♠29	25°R46	13°R18	12♠46	7°R39	10♠49	4°R50	6♠7	20♠11	29♠10	S 1
M 2	20 42 14	9°32'04	2♠36	1♠8	16°16	20°56	25♠39	13♠14	12°49	7°Y38	10°51	4°D50	6°4	20°17	29°16	M 2
T 3	20 46 11	10°29'32	14°25	2°40	16°37	21°24	25°31	13°11	12°52	7°38	10°53	4♠50	6°0	20°24	29°23	T 3
W 4	20 50 7	11°27'01	26°18	4°11	16°56	21°52	25°24	13°7	12°56	7°37	10°55	4°51	5°57	20°31	29°30	W 4
T 5	20 54 4	12°24'32	8°Y18	5°40	17°14	22°20	25°17	13°4	12°59	7°36	10°56	4°53	5°54	20°37	29°37	T 5
F 6	20 58 0	13°22'04	20°30	7°7	17°29	22°49	25°10	13°0	13°2	7°35	10°58	4°54	5°51	20°44	29°44	F 6
S 7	21 1 57	14°19'37	2♠58	8°32	17°42	23°18	25°3	12°56	13°5	7°35	11°0	4°55	5°48	20°50	29°52	S 7
S 8	21 5 54	15°17'12	15°45	9°56	17°53	23°48	24°56	12°53	13°9	7°34	11°2	4°R56	5°44	20°57	29°59	S 8
M 9	21 9 50	16°14'49	28°56	11°18	18°3	24°17	24°49	12°49	13°12	7°33	11°4	4°55	5°41	21°4	0♠6	M 9
T 10	21 13 47	17°12'27	12♠33	12°38	18°10	24°47	24°43	12°45	13°15	7°32	11°5	4°54	5°38	21°10	0°13	T 10
W 11	21 17 43	18°10'06	26°38	13°56	18°15	25°18	24°36	12°41	13°18	7°31	11°7	4°52	5°35	21°17	0°21	W 11
T 12	21 21 40	19°7'47	11♠8	15°13	18°17	25°49	24°30	12°37	13°21	7°30	11°9	4°50	5°32	21°24	0°28	T 12
F 13	21 25 36	20°5'30	25°59	16°27	18°R18	26°20	24°23	12°33	13°24	7°29	11°11	4°48	5°29	21°30	0°36	F 13
S 14	21 29 33	21°3'14	11♠6	17°40	18°16	26°51	24°17	12°29	13°27	7°28	11°13	4°47	5°25	21°37	0°43	S 14
S 15	21 33 30	22°0'59	26°18	18°50	18°11	27°23	24°11	12°25	13°30	7°27	11°14	4°46	5°22	21°44	0°51	S 15
M 16	21 37 26	22°58'46	11♠26	19°58	18°5	27°55	24°5	12°21	13°33	7°26	11°16	4°D46	5°19	21°50	0°59	M 16
T 17	21 41 23	23°56'34	26°21	21°4	17°56	28°27	23°59	12°17	13°36	7°25	11°18	4°47	5°16	21°57	1°7	T 17
W 18	21 45 19	24°54'23	10♠57	22°8	17°44	28°59	23°54	12°12	13°39	7°24	11°20	4°48	5°13	22°4	1°14	W 18
T 19	21 49 16	25°52'13	25°8	23°9	17°31	29°32	23°48	12°8	13°42	7°23	11°21	4°48	5°10	22°10	1°22	T 19
F 20	21 53 12	26°50'05	8♠54	24°7	17°15	0♠5	23°43	12°4	13°45	7°22	11°23	4°49	5°6	22°17	1°30	F 20
S 21	21 57 9	27°47'57	22°13	25°3	16°56	0°39	23°37	11°59	13°48	7°20	11°25	4°R49	5°3	22°24	1°38	S 21
S 22	22 1 5	28°45'52	5♠10	25°56	16°35	1°13	23°32	11°55	13°51	7°19	11°27	4°49	5°0	22°30	1°46	S 22
M 23	22 5 2	29°43'47	17°46	26°46	16°13	1°46	23°27	11°51	13°54	7°18	11°28	4°49	4°57	22°37	1°54	M 23
T 24	22 8 58	0♠41'44	0♠6	27°32	15°48	2°21	23°23	11°46	13°56	7°17	11°30	4°49	4°54	22°43	2°2	T 24
W 25	22 12 55	1°39'42	24°10	28°16	15°21	2°55	23°18	11°42	13°59	7°16	11°32	4°48	4°50	22°50	2°10	W 25
T 26	22 16 52	2°37'41	22°12	28°55	14°52	3°30	23°14	11°37	14°2	7°14	11°34	4°48	4°47	22°57	2°18	T 26
F 27	22 20 48	3°35'42	6♠1	29°30	14°21	4°5	23°9	11°33	14°5	7°13	11°35	4°48	4°44	23°3	2°26	F 27
S 28	22 24 45	4°33'44	17°50	0♠2	13°49	4°40	23°5	11°28	14°7	7°12	11°37	4°D48	4°41	23°10	2°35	S 28
S 29	22 28 41	5°31'48	29°38	0°28	13°15	5°15	23°1	11°24	14°10	7°10	11°39	4°R48	4°38	23°17	2°43	S 29
M 30	22 32 38	6°29'54	11°28	0°50	12°41	5°51	22°58	11°19	14°12	7°9	11°40	4°48	4°35	23°23	2°51	M 30
T 31	22 36 34	7♠28'01	23°22	1♠7	12♠5	6♠27	22♠54	11♠15	14♠15	7°Y7	11♠42	4♠48	4♠31	23♠30	2♠59	T 31

ASTRODIENST EPHEMERIS for the year 1700

geocentric

SEPTEMBER 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 40 31	8♍26'10	5♊22	1♊19	11♍29	7♊3	22°R51	11°R10	14♍17	7°R 6	11♍44	4°R47	4♍28	23♍37	3♊8	W 1
T 2	22 44 27	9°24'21	17°31	1°25	10♍52	7°39	22°347	11°5	14°20	7°Y 5	11°45	4♍47	4°25	23°43	3°16	T 2
F 3	22 48 24	10°22'34	29°51	1°R25	10°15	8°15	22°44	11° 1	14°22	7° 3	11°47	4°46	4°22	23°50	3°25	F 3
S 4	22 52 21	11°20'49	12♊25	1°19	9°37	8°52	22°41	10°56	14°24	7° 2	11°49	4°45	4°19	23°57	3°33	S 4
S 5	22 56 17	12°19'06	25°15	1° 7	9° 1	9°29	22°39	10°52	14°27	7° 0	11°50	4°45	4°15	24° 3	3°41	S 5
M 6	23 0 14	13°17'25	8♊24	0°48	8°24	10° 6	22°36	10°47	14°29	6°59	11°52	4°D44	4°12	24°10	3°50	M 6
T 7	23 4 10	14°15'47	21°55	0°22	7°48	10°43	22°34	10°43	14°31	6°57	11°53	4°44	4° 9	24°17	3°58	T 7
W 8	23 8 7	15°14'10	5♊48	29♍50	7°14	11°21	22°32	10°38	14°34	6°56	11°55	4°45	4° 6	24°23	4° 7	W 8
T 9	23 12 3	16°12'36	20° 3	29°12	6°40	11°58	22°30	10°33	14°36	6°54	11°57	4°46	4° 3	24°30	4°16	T 9
F 10	23 16 0	17°11'04	4♊39	28°27	6° 8	12°36	22°28	10°29	14°38	6°53	11°58	4°47	4° 0	24°36	4°24	F 10
S 11	23 19 56	18° 9'33	19°32	27°37	5°37	13°14	22°27	10°24	14°40	6°51	12° 0	4°47	3°56	24°43	4°33	S 11
S 12	23 23 53	19° 8'05	4♍35	26°41	5° 8	13°53	22°25	10°20	14°42	6°50	12° 1	4°R48	3°53	24°50	4°42	S 12
M13	23 27 50	20° 6'39	19°39	25°42	4°41	14°31	22°24	10°15	14°44	6°48	12° 3	4°47	3°50	24°56	4°50	M13
T 14	23 31 46	21° 5'15	4♊36	24°40	4°15	15°10	22°23	10°11	14°46	6°46	12° 4	4°46	3°47	25° 3	4°59	T 14
W15	23 35 43	22° 3'52	19°17	23°36	3°52	15°48	22°22	10° 6	14°48	6°45	12° 6	4°44	3°44	25°10	5° 8	W15
T 16	23 39 39	23° 2'32	3♍37	22°32	3°31	16°27	22°22	10° 2	14°50	6°43	12° 7	4°42	3°41	25°16	5°16	T 16
F 17	23 43 36	24° 1'13	17°31	21°29	3°12	17° 6	22°21	9°58	14°51	6°42	12° 9	4°39	3°37	25°23	5°25	F 17
S 18	23 47 32	24°59'56	0♊57	20°30	2°56	17°46	22°D21	9°53	14°53	6°40	12°10	4°37	3°34	25°30	5°34	S 18
S 19	23 51 29	25°58'40	13°58	19°35	2°42	18°25	22°21	9°49	14°55	6°38	12°11	4°36	3°31	25°36	5°43	S 19
M20	23 55 25	26°57'27	26°35	18°46	2°30	19° 5	22°21	9°45	14°57	6°37	12°13	4°D35	3°28	25°43	5°51	M20
T 21	23 59 22	27°56'15	8♊54	18° 4	2°21	19°45	22°22	9°40	14°58	6°35	12°14	4°36	3°25	25°50	6° 0	T 21
W22	0 3 18	28°55'05	20°57	17°31	2°14	20°25	22°22	9°36	15° 0	6°33	12°15	4°37	3°21	25°56	6° 9	W22
T 23	0 7 15	29°53'56	2♊51	17° 7	2°10	21° 5	22°23	9°32	15° 1	6°32	12°17	4°39	3°18	26° 3	6°18	T 23
F 24	0 11 12	0♊52'50	14°40	16°53	2°D 8	21°45	22°24	9°28	15° 3	6°30	12°18	4°40	3°15	26°10	6°27	F 24
S 25	0 15 8	1°51'45	26°27	16°D49	2° 8	22°25	22°25	9°24	15° 4	6°28	12°19	4°42	3°12	26°16	6°36	S 25
S 26	0 19 5	2°50'42	8♊17	16°55	2°11	23° 6	22°27	9°20	15° 5	6°27	12°21	4°R42	3° 9	26°23	6°44	S 26
M27	0 23 1	3°49'41	20°13	17°12	2°16	23°46	22°28	9°16	15° 7	6°25	12°22	4°41	3° 6	26°29	6°53	M27
T 28	0 26 58	4°48'42	2♊16	17°39	2°23	24°27	22°30	9°12	15° 8	6°23	12°23	4°38	3° 2	26°36	7° 2	T 28
W29	0 30 54	5°47'45	14°29	18°14	2°33	25° 8	22°32	9° 8	15° 9	6°22	12°24	4°34	2°59	26°43	7°11	W29
T 30	0 34 51	6♊46'50	26°Y53	18♍59	2♍44	25♊49	22°34	9♊4	15°210	6°Y20	12°25	4♍29	2♍56	26♊49	7♊20	T 30

Delta T = 14.06 sec

Greg. Calendar

OCTOBER 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 38 47	7♊45'57	9♊28	19♍52	2♍58	26♊30	22°37	9°R 1	15♊12	6°R18	12♍27	4°R23	2♍53	26♊56	7♊29	F 1
S 2	0 42 44	8°45'07	22°17	20°53	3°14	27°11	22°39	8°57	15°13	6°Y17	12°28	4♍18	2°50	27° 3	7°38	S 2
S 3	0 46 41	9°44'19	5♊18	22° 0	3°32	27°53	22°42	8°53	15°14	6°15	12°29	4°13	2°46	27° 9	7°46	S 3
M 4	0 50 37	10°43'33	18°34	23°14	3°52	28°34	22°45	8°50	15°15	6°13	12°30	4° 9	2°43	27°16	7°55	M 4
T 5	0 54 34	11°42'49	2♊4	24°32	4°14	29°16	22°48	8°46	15°16	6°12	12°31	4° 7	2°40	27°23	8° 4	T 5
W 6	0 58 30	12°42'08	15°51	25°56	4°37	29°58	22°51	8°43	15°16	6°10	12°32	4°D 7	2°37	27°29	8°13	W 6
T 7	1 2 27	13°41'30	29°53	27°23	5° 2	0♊40	22°55	8°39	15°17	6° 9	12°33	4° 7	2°34	27°36	8°22	T 7
F 8	1 6 23	14°40'53	14♊10	28°54	5°29	1°22	22°58	8°36	15°18	6° 7	12°34	4° 9	2°31	27°43	8°31	F 8
S 9	1 10 20	15°40'19	28°41	0♊27	5°58	2° 4	23° 2	8°33	15°19	6° 5	12°35	4°R10	2°27	27°49	8°40	S 9
S 10	1 14 16	16°39'47	13♍21	2° 3	6°28	2°46	23° 6	8°30	15°19	6° 4	12°36	4°10	2°24	27°56	8°48	S 10
M11	1 18 13	17°39'17	28° 7	3°41	7° 0	3°28	23°10	8°27	15°20	6° 2	12°37	4° 8	2°21	28° 2	8°57	M11
T 12	1 22 10	18°38'50	12♊49	5°20	7°33	4°11	23°15	8°24	15°20	6° 0	12°38	4° 3	2°18	28° 9	9° 6	T 12
W13	1 26 6	19°38'24	27°23	7° 0	8° 8	4°53	23°19	8°21	15°21	5°59	12°39	3°57	2°15	28°16	9°15	W13
T 14	1 30 3	20°38'01	11♍39	8°41	8°44	5°36	23°24	8°18	15°21	5°57	12°40	3°50	2°12	28°22	9°24	T 14
F 15	1 33 59	21°37'40	25°34	10°22	9°21	6°19	23°29	8°16	15°22	5°55	12°41	3°42	2° 8	28°29	9°32	F 15
S 16	1 37 56	22°37'20	9♊4	12° 4	9°59	7° 2	23°34	8°13	15°22	5°54	12°41	3°34	2° 5	28°36	9°41	S 16
S 17	1 41 52	23°37'02	22° 8	13°46	10°39	7°45	23°39	8°10	15°22	5°52	12°42	3°28	2° 2	28°42	9°50	S 17
M18	1 45 49	24°36'46	4♊48	15°29	11°20	8°28	23°45	8° 8	15°22	5°51	12°43	3°24	1°59	28°49	9°59	M18
T 19	1 49 45	25°36'32	17° 8	17°11	12° 2	9°11	23°50	8° 6	15°23	5°49	12°44	3°21	1°56	28°56	10° 7	T 19
W20	1 53 42	26°36'20	29°12	18°53	12°45	9°54	23°56	8° 3	15°23	5°48	12°44	3°D21	1°52	29° 2	10°16	W20
T 21	1 57 39	27°36'09	11♊5	20°35	13°29	10°38	24° 2	8° 1	15°R23	5°46	12°45	3°22	1°49	29° 9	10°25	T 21
F 22	2 1 35	28°36'00	22°54	22°16	14°14	11°21	24° 8	7°59	15°23	5°45	12°46	3°23	1°46	29°16	10°33	F 22
S 23	2 5 32	29°35'52	4♊42	23°57	15° 0	12° 5	24°14	7°57	15°23	5°43	12°46	3°R23	1°43	29°22	10°42	S 23
S 24	2 9 28	0♍35'46	16°34	25°38	15°47	12°48	24°21	7°55	15°23	5°42	12°47	3°22	1°40	29°29	10°50	S 24
M25	2 13 25	1°35'42	28°35	27°18	16°35	13°32	24°27	7°53	15°22	5°40	12°47	3°19	1°37	29°35	10°59	M25
T 26	2 17 21	2°35'40	10♊49	28°58	17°24	14°16	24°34	7°52	15°22	5°39	12°48	3°13	1°33	29°42	11° 7	T 26
W27	2 21 18	3°35'40	23°16	0♍37	18°13	14°59	24°41	7°50	15°22	5°37	12°49	3° 5	1°30	29°49	11°16	W27
T 28	2 25 14	4°35'41	5♊58	2°16	19° 4	15°43	24°48	7°49	15°22	5°36	12°49	2°55	1°27	29°55	11°24	T 28
F 29	2 29 11	5°35'45	18°54	3°55	19°55	16°27	24°55	7°47	15°21	5°34	12°49	2°44	1°24	0♊2	11°33	F 29
S 30	2 33 7	6°35'50	2♊5	5°33	20°47	17°11	25° 3	7°46	15°21	5°33	12°50	2°32	1°21	0° 9	11°41	S 30
S 31	2 37 4	7♍35'57	15♊28	7♍11	21♍40	17♊55	25°310	7♊45	15°220	5°Y32	12°50	2♍22	1♍18	0♊15	11♊49	S 31

Delta T = 14.03 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1700
geocentric

NOVEMBER 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 41 1	8♐36'07	29♐1	8♐48	22♐33	18♐39	25♐18	7°R44	15°R20	5°R30	12♐51	2°R14	1♐14	0♐22	11♐58	M 1
T 2	2 44 57	9°36'18	12♐43	10°25	23°27	19°24	25°26	7♐43	15♐19	5°Y29	12°51	2♐9	1°11	0°29	12°6	T 2
W 3	2 48 54	10°36'32	26°34	12°1	24°22	20°8	25°34	7°42	15°19	5°28	12°51	2°6	1°8	0°35	12°14	W 3
T 4	2 52 50	11°36'47	10♐32	13°38	25°17	20°52	25°42	7°41	15°18	5°26	12°52	2°D 5	1°5	0°42	12°23	T 4
F 5	2 56 47	12°37'05	24°37	15°13	26°13	21°37	25°50	7°40	15°17	5°25	12°52	2°R 5	1°2	0°49	12°31	F 5
S 6	3 0 43	13°37'25	8♐48	16°49	27°10	22°21	25°58	7°40	15°16	5°24	12°52	2°5	0°58	0°55	12°39	S 6
S 7	3 4 40	14°37'46	23°5	18°24	28°7	23°6	26°7	7°39	15°15	5°23	12°52	2°4	0°55	1°2	12°47	S 7
M 8	3 8 36	15°38'10	7♐24	19°58	29°5	23°50	26°16	7°39	15°15	5°22	12°53	2°0	0°52	1°8	12°55	M 8
T 9	3 12 33	16°38'35	21°41	21°33	0♐3	24°35	26°24	7°39	15°14	5°20	12°53	1°53	0°49	1°15	13°3	T 9
W10	3 16 30	17°39'03	5♐53	23°7	1°1	25°20	26°33	7°38	15°13	5°19	12°53	1°43	0°46	1°22	13°11	W10
T 11	3 20 26	18°39'32	19°52	24°41	2°1	26°5	26°42	7°D38	15°11	5°18	12°53	1°31	0°43	1°28	13°19	T 11
F 12	3 24 23	19°40'02	3♐35	26°14	3°0	26°49	26°52	7°38	15°10	5°17	12°53	1°18	0°39	1°35	13°27	F 12
S 13	3 28 19	20°40'35	16°58	27°48	4°1	27°34	27°1	7°39	15°9	5°16	12°53	1°6	0°36	1°42	13°34	S 13
S 14	3 32 16	21°41'08	29°59	29°21	5°1	28°19	27°10	7°39	15°8	5°15	12°R53	0°55	0°33	1°48	13°42	S 14
M15	3 36 12	22°41'43	12♐39	0♐54	6°2	29°4	27°20	7°39	15°7	5°14	12°53	0°47	0°30	1°55	13°50	M15
T 16	3 40 9	23°42'20	24°59	2°26	7°3	29°49	27°30	7°40	15°5	5°13	12°53	0°41	0°27	2°2	13°58	T 16
W17	3 44 5	24°42'57	7♐4	3°59	8°5	0♐34	27°39	7°40	15°4	5°12	12°53	0°38	0°23	2°8	14°5	W17
T 18	3 48 2	25°43'36	18°57	5°31	9°7	1°19	27°49	7°41	15°3	5°11	12°53	0°37	0°20	2°15	14°13	T 18
F 19	3 51 59	26°44'16	0♐45	7°3	10°10	2°5	27°59	7°42	15°1	5°10	12°53	0°37	0°17	2°22	14°20	F 19
S 20	3 55 55	27°44'57	12°34	8°35	11°13	2°50	28°10	7°43	15°0	5°9	12°53	0°37	0°14	2°28	14°28	S 20
S 21	3 59 52	28°45'39	24°28	10°7	12°16	3°35	28°20	7°44	14°58	5°8	12°52	0°35	0°11	2°35	14°35	S 21
M22	4 3 48	29°46'22	6°Y32	11°38	13°20	4°20	28°30	7°45	14°57	5°8	12°52	0°31	0°8	2°42	14°42	M22
T 23	4 7 45	0♐47'07	18°52	13°9	14°24	5°5	28°41	7°46	14°55	5°7	12°52	0°25	0°4	2°48	14°49	T 23
W24	4 11 41	1°47'52	1♐29	14°40	15°28	5°51	28°51	7°47	14°53	5°6	12°52	0°15	0°1	2°55	14°57	W24
T 25	4 15 38	2°48'39	14°26	16°11	16°33	6°36	29°2	7°49	14°52	5°5	12°51	0°4	29♐58	3°1	15°4	T 25
F 26	4 19 34	3°49'26	27°43	17°42	17°38	7°22	29°13	7°50	14°50	5°5	12°51	29♐50	29°55	3°8	15°11	F 26
S 27	4 23 31	4°50'15	11♐18	19°12	18°43	8°7	29°24	7°52	14°48	5°4	12°51	29°37	29°52	3°15	15°18	S 27
S 28	4 27 28	5°51'06	25°7	20°42	19°48	8°52	29°35	7°54	14°46	5°3	12°50	29°25	29°49	3°21	15°24	S 28
M29	4 31 24	6°51'57	9♐6	22°11	20°54	9°38	29°46	7°55	14°44	5°3	12°50	29°15	29°45	3°28	15°31	M29
T 30	4 35 21	7°52'50	23♐12	23♐41	22♐0	10♐23	29°57	7°57	14°43	5°Y 2	12♐49	29♐9	29♐42	3°35	15°38	T 30

Delta T = 14.00 sec

Greg. Calendar

DECEMBER 1700

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 39 17	8♐53'44	7♐20	25♐9	23♐6	11♐9	0♐9	7♐59	14°R41	5°R 2	12°R49	29°R 5	29♐39	3°41	15♐45	W 1
T 2	4 43 14	9°54'39	21°29	26°37	24°13	11°54	0°20	8°1	14♐39	5°Y 1	12♐49	29♐3	29°36	3°48	15°51	T 2
F 3	4 47 10	10°55'36	5♐35	28°4	25°20	12°40	0°32	8°4	14°37	5°1	12°48	29°3	29°33	3°55	15°58	F 3
S 4	4 51 7	11°56'34	19°39	29°31	26°27	13°25	0°43	8°6	14°35	5°0	12°47	29°3	29°29	4°1	16°4	S 4
S 5	4 55 3	12°57'33	3♐40	0♐56	27°34	14°11	0°55	8°8	14°33	5°0	12°47	29°2	29°26	4°8	16°11	S 5
M 6	4 59 0	13°58'33	17°36	2°20	28°41	14°57	1°7	8°11	14°30	5°0	12°46	28°58	29°23	4°15	16°17	M 6
T 7	5 2 57	14°59'34	1♐28	3°43	29°49	15°42	1°19	8°14	14°28	4°59	12°46	28°51	29°20	4°21	16°23	T 7
W 8	5 6 53	16°0'37	15°12	5°5	0♐57	16°28	1°31	8°16	14°26	4°59	12°45	28°42	29°17	4°28	16°29	W 8
T 9	5 10 50	17°1'41	28°45	6°24	2°5	17°14	1°43	8°19	14°24	4°59	12°44	28°30	29°14	4°34	16°35	T 9
F 10	5 14 46	18°2'45	12♐6	7°41	3°13	17°59	1°55	8°22	14°22	4°58	12°44	28°17	29°10	4°41	16°41	F 10
S 11	5 18 43	19°3'50	25°12	8°56	4°22	18°45	2°7	8°25	14°19	4°58	12°43	28°5	29°7	4°48	16°47	S 11
S 12	5 22 39	20°4'56	8♐1	10°8	5°31	19°31	2°19	8°28	14°17	4°58	12°42	27°54	29°4	4°54	16°53	S 12
M13	5 26 36	21°6'03	20°33	11°16	6°39	20°16	2°32	8°32	14°15	4°58	12°41	27°46	29°1	5°1	16°59	M13
T 14	5 30 32	22°7'10	2♐49	12°21	7°48	21°2	2°44	8°35	14°12	4°58	12°41	27°40	28°58	5°8	17°4	T 14
W15	5 34 29	23°8'17	14°51	13°20	8°58	21°48	2°57	8°38	14°10	4°58	12°40	27°37	28°55	5°14	17°10	W15
T 16	5 38 26	24°9'25	26°44	14°15	10°7	22°33	3°9	8°42	14°8	4°D58	12°39	27°D36	28°51	5°21	17°15	T 16
F 17	5 42 22	25°10'32	8♐32	15°3	11°16	23°19	3°22	8°45	14°5	4°58	12°38	27°36	28°48	5°28	17°21	F 17
S 18	5 46 19	26°11'40	20°20	15°44	12°26	24°5	3°35	8°49	14°3	4°58	12°37	27°37	28°45	5°34	17°26	S 18
S 19	5 50 15	27°12'49	2°Y13	16°18	13°36	24°51	3°47	8°53	14°0	4°58	12°36	27°R37	28°42	5°41	17°31	S 19
M20	5 54 12	28°13'57	14°17	16°43	14°46	25°36	4°0	8°57	13°58	4°58	12°35	27°35	28°39	5°48	17°36	M20
T 21	5 58 8	29°15'06	26°37	16°58	15°56	26°22	4°13	9°1	13°55	4°58	12°34	27°32	28°35	5°54	17°41	T 21
W22	6 2 5	0♐16'14	9♐17	17°R 3	17°6	27°8	4°26	9°5	13°53	4°58	12°33	27°26	28°32	6°1	17°46	W22
T 23	6 6 1	1°17'23	22°20	16°57	18°16	27°54	4°39	9°9	13°50	4°59	12°33	27°17	28°29	6°8	17°51	T 23
F 24	6 9 58	2°18'32	5♐48	16°39	19°26	28°39	4°52	9°13	13°48	4°59	12°31	27°8	28°26	6°14	17°55	F 24
S 25	6 13 55	3°19'41	19°39	16°9	20°37	29°25	5°6	9°17	13°45	4°59	12°30	26°58	28°23	6°21	18°0	S 25
S 26	6 17 51	4°20'50	3♐50	15°28	21°48	0♐11	5°19	9°22	13°43	4°59	12°29	26°50	28°20	6°27	18°4	S 26
M27	6 21 48	5°21'59	18°16	14°36	22°58	0°57	5°32	9°26	13°40	5°0	12°28	26°43	28°16	6°34	18°9	M27
T 28	6 25 44	6°23'08	2♐50	13°33	24°9	1°42	5°45	9°31	13°38	5°0	12°27	26°38	28°13	6°41	18°13	T 28
W29	6 29 41	7°24'17	17°25	12°23	25°20	2°28	5°59	9°35	13°35	5°1	12°26	26°36	28°10	6°47	18°17	W29
T 30	6 33 37	8°25'27	1♐56	11°6	26°31	3°14	6°12	9°40	13°33	5°1	12°25	26°D35	28°7	6°54	18°21	T 30
F 31	6 37 34	9♐26'37	16♐19	9♐46	27♐43	3♐59	6°26	9°45	13°30	5°Y 2	12♐24	26♐36	28♐4	7°1	18°25	F 31

Delta T = 13.97 sec

Greg. Calendar