



Astrodienst Ephemeris Tables for the year 1723

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 1723

geocentric

JANUARY 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 40 12	10°36'55"	23°36'36"	24°11'11"	11°41'41"	17°41'40"	22°17'17"	22°47'48"	28°47'47"	24°R45	25°R57	23°II24	22°II31	2°13'13"	24°17'17"	F 1
S 2	6 44 9	11° 8'06"	6°11' 9"	25°40' 0"	11°47' 0"	18°24' 0"	22°31' 0"	22°54' 0"	28°48' 0"	24°R44	25°R57	23°25' 0"	22°28' 0"	2°20' 0"	24°19' 0"	S 2
S 3	6 48 5	12° 9'17"	19° 2' 0"	27° 9' 0"	11°50' 0"	19° 7' 0"	22°44' 0"	23° 1' 0"	28°50' 0"	24°43' 0"	25°57' 0"	23°26' 0"	22°25' 0"	2°27' 0"	24°20' 0"	S 3
M 4	6 52 2	13°10'28"	2°10'28"	28°39' 0"	11°R50	19°51' 0"	22°57' 0"	23° 8' 0"	28°52' 0"	24°42' 0"	25°56' 0"	23°28' 0"	22°22' 0"	2°33' 0"	24°22' 0"	M 4
T 5	6 55 59	14°11'39"	16° 4' 0"	0°3' 9"	11°48' 0"	20°35' 0"	23°11' 0"	23°15' 0"	28°53' 0"	24°41' 0"	25°56' 0"	23°29' 0"	22°19' 0"	2°40' 0"	24°24' 0"	T 5
W 6	6 59 55	15°12'50"	0°3'12"	1°40' 0"	11°44' 0"	21°19' 0"	23°24' 0"	23°22' 0"	28°55' 0"	24°40' 0"	25°56' 0"	23°R29	22°15' 0"	2°47' 0"	24°25' 0"	W 6
T 7	7 3 52	16°14'01"	14°41' 0"	3°11' 0"	11°37' 0"	22° 3' 0"	23°37' 0"	23°28' 0"	28°56' 0"	24°39' 0"	25°56' 0"	23°28' 0"	22°12' 0"	2°54' 0"	24°27' 0"	T 7
F 8	7 7 48	17°15'12"	29°27' 0"	4°42' 0"	11°28' 0"	22°47' 0"	23°50' 0"	23°35' 0"	28°58' 0"	24°38' 0"	25°55' 0"	23°25' 0"	22° 9' 0"	3° 0' 0"	24°29' 0"	F 8
S 9	7 11 45	18°16'22"	14°20'22"	6°15' 0"	11°16' 0"	23°31' 0"	24° 3' 0"	23°42' 0"	28°59' 0"	24°37' 0"	25°55' 0"	23°22' 0"	22° 6' 0"	3° 7' 0"	24°31' 0"	S 9
S 10	7 15 41	19°17'31"	29°14' 0"	7°47' 0"	11° 1' 0"	24°15' 0"	24°16' 0"	23°48' 0"	29° 1' 0"	24°36' 0"	25°55' 0"	23°18' 0"	22° 3' 0"	3°14' 0"	24°33' 0"	S 10
M 11	7 19 38	20°18'40"	13°18'59"	9°20' 0"	10°45' 0"	24°59' 0"	24°29' 0"	23°55' 0"	29° 2' 0"	24°35' 0"	25°54' 0"	23°15' 0"	21°59' 0"	3°20' 0"	24°35' 0"	M 11
T 12	7 23 34	21°19'48"	28°30' 0"	10°54' 0"	10°25' 0"	25°43' 0"	24°42' 0"	24° 1' 0"	29° 3' 0"	24°35' 0"	25°54' 0"	23°12' 0"	21°56' 0"	3°27' 0"	24°37' 0"	T 12
W 13	7 27 31	22°20'56"	12°19'42"	12°28' 0"	10° 4' 0"	26°28' 0"	24°55' 0"	24° 8' 0"	29° 4' 0"	24°34' 0"	25°53' 0"	23°10' 0"	21°53' 0"	3°34' 0"	24°39' 0"	W 13
T 14	7 31 28	23°22'02"	26°34' 0"	14° 3' 0"	9°40' 0"	27°12' 0"	25° 8' 0"	24°14' 0"	29° 5' 0"	24°33' 0"	25°53' 0"	23°D10	21°50' 0"	3°41' 0"	24°41' 0"	T 14
F 15	7 35 24	24°23'08"	10°18' 6"	15°38' 0"	9°14' 0"	27°56' 0"	25°21' 0"	24°21' 0"	29° 7' 0"	24°33' 0"	25°52' 0"	23°11' 0"	21°47' 0"	3°47' 0"	24°43' 0"	F 15
S 16	7 39 21	25°24'12"	23°19' 0"	17°13' 0"	8°46' 0"	28°40' 0"	25°34' 0"	24°27' 0"	29° 8' 0"	24°32' 0"	25°52' 0"	23°12' 0"	21°44' 0"	3°54' 0"	24°45' 0"	S 16
S 17	7 43 17	26°25'16"	6°11'15"	18°49' 0"	8°16' 0"	29°25' 0"	25°46' 0"	24°34' 0"	29° 9' 0"	24°31' 0"	25°51' 0"	23°14' 0"	21°40' 0"	4° 1' 0"	24°48' 0"	S 17
M 18	7 47 14	27°26'19"	18°58' 0"	20°26' 0"	7°44' 0"	0°3' 9"	25°59' 0"	24°40' 0"	29° 9' 0"	24°31' 0"	25°50' 0"	23°R15	21°37' 0"	4° 7' 0"	24°50' 0"	M 18
T 19	7 51 10	28°27'22"	1°28'28"	22° 3' 0"	7°11' 0"	0°54' 0"	26°12' 0"	24°46' 0"	29°10' 0"	24°30' 0"	25°50' 0"	23°15' 0"	21°34' 0"	4°14' 0"	24°52' 0"	T 19
W 20	7 55 7	29°28'23"	13°49' 0"	23°41' 0"	6°37' 0"	1°38' 0"	26°24' 0"	24°53' 0"	29°11' 0"	24°30' 0"	25°49' 0"	23°13' 0"	21°31' 0"	4°21' 0"	24°55' 0"	W 20
T 21	7 59 3	0°29'23"	26° 0' 0"	25°20' 0"	6° 1' 0"	2°22' 0"	26°37' 0"	24°59' 0"	29°12' 0"	24°29' 0"	25°48' 0"	23° 9' 0"	21°28' 0"	4°28' 0"	24°57' 0"	T 21
F 22	8 3 0	1°30'23"	8°12' 5"	26°59' 0"	5°25' 0"	3° 7' 0"	26°49' 0"	25° 5' 0"	29°13' 0"	24°29' 0"	25°47' 0"	23° 3' 0"	21°25' 0"	4°34' 0"	25° 0' 0"	F 22
S 23	8 6 57	2°31'22"	20° 4' 0"	28°39' 0"	4°48' 0"	3°52' 0"	27° 2' 0"	25°11' 0"	29°13' 0"	24°28' 0"	25°47' 0"	22°56' 0"	21°21' 0"	4°41' 0"	25° 2' 0"	S 23
S 24	8 10 53	3°32'19"	1°11'59"	0°11'19"	4°11' 0"	4°36' 0"	27°14' 0"	25°17' 0"	29°14' 0"	24°28' 0"	25°46' 0"	22°48' 0"	21°18' 0"	4°48' 0"	25° 5' 0"	S 24
M 25	8 14 50	4°33'16"	13°51' 0"	2° 0' 0"	3°34' 0"	5°21' 0"	27°26' 0"	25°23' 0"	29°14' 0"	24°27' 0"	25°45' 0"	22°39' 0"	21°15' 0"	4°55' 0"	25° 7' 0"	M 25
T 26	8 18 46	5°34'13"	25°42' 0"	3°42' 0"	2°57' 0"	6° 6' 0"	27°39' 0"	25°29' 0"	29°15' 0"	24°27' 0"	25°44' 0"	22°32' 0"	21°12' 0"	5° 1' 0"	25°10' 0"	T 26
W 27	8 22 43	6°35'08"	7°12'37"	5°24' 0"	2°21' 0"	6°50' 0"	27°51' 0"	25°35' 0"	29°15' 0"	24°27' 0"	25°43' 0"	22°26' 0"	21° 9' 0"	5° 8' 0"	25°13' 0"	W 27
T 28	8 26 39	7°36'02"	19°38' 0"	7° 8' 0"	1°45' 0"	7°35' 0"	28° 3' 0"	25°41' 0"	29°15' 0"	24°27' 0"	25°42' 0"	22°22' 0"	21° 5' 0"	5°15' 0"	25°15' 0"	T 28
F 29	8 30 36	8°36'56"	1°11'49"	8°51' 0"	1°10' 0"	8°20' 0"	28°15' 0"	25°47' 0"	29°16' 0"	24°26' 0"	25°41' 0"	22°20' 0"	21° 2' 0"	5°21' 0"	25°18' 0"	F 29
S 30	8 34 32	9°37'49"	14°16' 0"	10°36' 0"	0°36' 0"	9° 5' 0"	28°27' 0"	25°52' 0"	29°16' 0"	24°26' 0"	25°40' 0"	22°D20	20°59' 0"	5°28' 0"	25°21' 0"	S 30
S 31	8 38 29	10°38'42"	27°11' 3"	12°21' 0"	0°11' 4"	9°35' 0"	28°37' 0"	25°58' 0"	29°16' 0"	24°26' 0"	25°39' 0"	22°II21	20°II56	5°11'35"	25°24' 0"	S 31

Delta T = 10.52 sec

Greg. Calendar

FEBRUARY 1723

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 26	11°39'33"	10°14'14"	14°07' 7"	29°R34	10°33'34"	28°15'50"	26°15' 4"	29°16' 0"	24°R26	25°R38	22°II22	20°II53	5°11'42"	25°11'27"	M 1
T 2	8 46 22	12°40'23"	23°52' 0"	15°53' 0"	29°3' 5"	11°19' 0"	29° 2' 0"	26° 9' 0"	29°16' 0"	24°R26	25°R37	22°R23	20°50' 0"	5°48' 0"	25°29' 0"	T 2
W 3	8 50 19	13°41'13"	8°3' 0"	17°40' 0"	28°38' 0"	12° 4' 0"	29°14' 0"	26°15' 0"	29°R16	24°26' 0"	25°36' 0"	22°22' 0"	20°46' 0"	5°55' 0"	25°32' 0"	W 3
T 4	8 54 15	14°42'02"	22°35' 0"	19°28' 0"	28°13' 0"	12°49' 0"	29°25' 0"	26°21' 0"	29°16' 0"	24°D26	25°35' 0"	22°18' 0"	20°43' 0"	6° 2' 0"	25°35' 0"	T 4
F 5	8 58 12	15°42'49"	7°11'32"	21°16' 0"	27°51' 0"	13°34' 0"	29°37' 0"	26°26' 0"	29°16' 0"	24°26' 0"	25°34' 0"	22°13' 0"	20°40' 0"	6° 8' 0"	25°38' 0"	F 5
S 6	9 2 8	16°43'35"	22°44' 0"	23° 5' 0"	27°30' 0"	14°19' 0"	29°48' 0"	26°31' 0"	29°16' 0"	24°26' 0"	25°33' 0"	22° 5' 0"	20°37' 0"	6°15' 0"	25°41' 0"	S 6
S 7	9 6 5	17°44'20"	8°11' 0"	24°54' 0"	27°12' 0"	15° 5' 0"	29°59' 0"	26°37' 0"	29°16' 0"	24°26' 0"	25°31' 0"	21°56' 0"	20°34' 0"	6°22' 0"	25°44' 0"	S 7
M 8	9 10 1	18°45'03"	23° 9' 0"	26°43' 0"	26°57' 0"	15°50' 0"	0°3'11"	26°42' 0"	29°16' 0"	24°26' 0"	25°30' 0"	21°47' 0"	20°31' 0"	6°29' 0"	25°47' 0"	M 8
T 9	9 13 58	19°45'44"	8°11' 1"	28°33' 0"	26°43' 0"	16°35' 0"	0°22' 0"	26°47' 0"	29°15' 0"	24°26' 0"	25°29' 0"	21°39' 0"	20°27' 0"	6°35' 0"	25°51' 0"	T 9
W10	9 17 55	20°46'24"	22°29' 0"	0°11'22"	26°33' 0"	17°20' 0"	0°33' 0"	26°52' 0"	29°15' 0"	24°26' 0"	25°28' 0"	21°34' 0"	20°24' 0"	6°42' 0"	25°54' 0"	W10
T11	9 21 51	21°47'02"	6°11'31"	2°11' 0"	26°24' 0"	18° 5' 0"	0°44' 0"	26°57' 0"	29°15' 0"	24°27' 0"	25°27' 0"	21°31' 0"	20°21' 0"	6°49' 0"	25°57' 0"	T11
F12	9 25 48	22°47'38"	20° 5' 0"	4° 0' 0"	26°19' 0"	18°50' 0"	0°55' 0"	27° 2' 0"	29°14' 0"	24°27' 0"	25°25' 0"	21°D29	20°18' 0"	6°55' 0"	26° 0' 0"	F12
S13	9 29 44	23°48'13"	3°11'15"	5°48' 0"	26°15' 0"	19°36' 0"	1° 6' 0"	27° 7' 0"	29°14' 0"	24°27' 0"	25°24' 0"	21°30' 0"	20°15' 0"	7° 2' 0"	26° 3' 0"	S13
S14	9 33 41	24°48'46"	16° 3' 0"	7°35' 0"	26°D14	20°21' 0"	1°16' 0"	27°12' 0"	29°13' 0"	24°27' 0"	25°23' 0"	21°R30	20°11' 0"	7° 9' 0"	26° 7' 0"	S14
M15	9 37 37	25°49'17"	28°33' 0"	9°21' 0"	26°16' 0"	21° 6' 0"	1°27' 0"	27°17' 0"	29°12' 0"	24°28' 0"	25°21' 0"	21°30' 0"	20° 8' 0"	7°16' 0"	26°10' 0"	M15
T16	9 41 34	26°49'46"	10°28'51"	11° 5' 0"	26°20' 0"	21°52' 0"	1°37' 0"	27°21' 0"	29°12' 0"	24°28' 0"	25°20' 0"	21°28' 0"	20° 5' 0"	7°22' 0"	26°13' 0"	T16
W17	9 45 30	27°50'14"	22°58' 0"	12°47' 0"	26°26' 0"	22°37' 0"	1°48' 0"	27°26' 0"	29°11' 0"	24°29' 0"	25°18' 0"	21°24' 0"	20° 2' 0"	7°29' 0"	26°17' 0"	W17
T18	9 49 27	28°50'39"	4°12'59"	14°26' 0"	26°34' 0"	23°23' 0"	1°58' 0"	27°30' 0"	29°10' 0"	24°29' 0"	25°17' 0"	21°17' 0"	19°59' 0"	7°36' 0"	26°20' 0"	T18
F19	9 53 24	29°51'03"	16°56' 0"	16° 2' 0"	26°45' 0"	24° 8' 0"	2° 8' 0"	27°35' 0"	29° 9' 0"	24°30' 0"	25°16' 0"	21° 6' 0"	19°56' 0"	7°43' 0"	26°23' 0"	F19
S20	9 57 20	0°11'51'25"	28°49' 0"	17°34' 0"	26°58' 0"	24°53' 0"	2°18' 0"	27°39' 0"	29° 8' 0"	24°30' 0"	25°14' 0"	20°54' 0"	19°52' 0"	7°49' 0"	26°27' 0"	S20
S21	10 1 17	1°51'46"	10°11'42"	19° 2' 0"	27°13' 0"	25°39' 0"	2°28' 0"	27°44' 0"	29° 7' 0"	24°31' 0"	25°13' 0"	20°41' 0"	19°49' 0"	7°56' 0"	26°30' 0"	S21
M22	10 5 13	2°52'04"	22°35' 0"	20°25' 0"	27°30' 0"	26°24' 0"	2°38' 0"	27°48' 0"	29° 6' 0"	24°31' 0"	25°11' 0"	20°27' 0"	19°46' 0"	8° 3' 0"	26°34' 0"	M22
T23	10 9 10	3°52'21"	4°12'29"	21°43' 0"	27°49' 0"	27°10' 0"	2°48' 0"	27°52' 0"	29° 5' 0"	24°32' 0"	25°10' 0"	20°14' 0"	19°43' 0"	8° 9' 0"	26°37' 0"	T23
W24	10 13 6	4°52'37"	16°27' 0"	22°54' 0"	28°10' 0"	27°56' 0"	2°58' 0"	27°56' 0"	29° 4' 0"	24°33' 0"	25° 8' 0"	20° 3' 0"	19°40' 0"	8°16' 0"	26°40' 0"	W24
T25	10 17 3	5°52'50"	28°30' 0"	23°58' 0"	28°32' 0"	28°41' 0"	3° 7' 0"	28° 0' 0"	29° 3' 0"	24°33' 0"	25° 7' 0"	19°55' 0"	19°37' 0"	8°23' 0"	26°44' 0"	T25
F26	10 20 59	6°53'03"	10°11'43"	24°55' 0"	28°57' 0"	29°27' 0"	3°17' 0"	28° 4' 0"	29° 2' 0"	24°34' 0"	25° 5' 0"	19°49' 0"	19°33' 0"	8°30' 0"	26°47' 0"	F26
S27	10 24 56	7°53'13"	23° 8' 0"	25°45' 0"	29°23' 0"	0°12' 0"	3°26' 0"	28° 8' 0"	29° 1' 0"	24°35' 0"	25° 4' 0"	19°47' 0"	19°30' 0"	8°36' 0"	26°51' 0"	S27
S28	10 28 53	8°11'53'23"	5°11'50"	26°11'25"	29°3'51"	0°12'58"	3°33'35"	28°11'12"	28°11'59"	24°R36	25°R2	19°D46	19°II27	8°11'43"	26°11'55"	S28

ASTRODIENST EPHEMERIS for the year 1723

geocentric

MARCH 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 32 49	9♂53'30	18♂53	26♂58	0♂21	1♂44	3♂44	28♂15	28♂58	24♂37	25♂R 1	19♂R46	19♂II24	8♂50	26♂58	M 1
T 2	10 36 46	10♂53'37	2♂22	27♂21	0♂52	2♂30	3♂53	28♂19	28♂57	24♂37	24♂59	19♂II45	19♂21	8♂56	27♂ 2	T 2
W 3	10 40 42	11♂53'41	16♂19	27♂35	1♂24	3♂15	4♂ 2	28♂23	28♂55	24♂38	24♂57	19♂43	19♂17	9♂ 3	27♂ 5	W 3
T 4	10 44 39	12♂53'44	0♂45	27♂R40	1♂58	4♂ 1	4♂11	28♂26	28♂54	24♂39	24♂56	19♂39	19♂14	9♂10	27♂ 9	T 4
F 5	10 48 35	13♂53'46	15♂36	27♂35	2♂33	4♂47	4♂20	28♂29	28♂52	24♂40	24♂54	19♂32	19♂11	9♂17	27♂13	F 5
S 6	10 52 32	14♂53'45	0♂47	27♂22	3♂10	5♂33	4♂28	28♂33	28♂51	24♂41	24♂53	19♂22	19♂ 8	9♂23	27♂16	S 6
S 7	10 56 28	15♂53'43	16♂ 8	27♂ 1	3♂48	6♂18	4♂36	28♂36	28♂49	24♂42	24♂51	19♂10	19♂ 5	9♂30	27♂20	S 7
M 8	11 0 25	16♂53'38	1♂26	26♂31	4♂27	7♂ 4	4♂45	28♂39	28♂47	24♂43	24♂49	18♂59	19♂ 2	9♂37	27♂23	M 8
T 9	11 4 22	17♂53'32	16♂31	25♂55	5♂ 7	7♂50	4♂53	28♂42	28♂46	24♂44	24♂48	18♂49	18♂58	9♂43	27♂27	T 9
W10	11 8 18	18♂53'23	1♂14	25♂12	5♂48	8♂36	5♂ 1	28♂45	28♂44	24♂45	24♂46	18♂41	18♂55	9♂50	27♂31	W10
T 11	11 12 15	19♂53'13	15♂28	24♂25	6♂31	9♂22	5♂ 8	28♂48	28♂42	24♂47	24♂45	18♂35	18♂52	9♂57	27♂34	T 11
F 12	11 16 11	20♂53'00	29♂12	23♂33	7♂14	10♂ 8	5♂16	28♂50	28♂40	24♂48	24♂43	18♂33	18♂49	10♂ 4	27♂38	F 12
S 13	11 20 8	21♂52'45	12♂II27	22♂39	7♂58	10♂54	5♂24	28♂53	28♂39	24♂49	24♂41	18♂32	18♂46	10♂10	27♂42	S 13
S 14	11 24 4	22♂52'27	25♂17	21♂43	8♂43	11♂40	5♂31	28♂55	28♂37	24♂50	24♂40	18♂32	18♂42	10♂17	27♂45	S 14
M15	11 28 1	23♂52'08	7♂46	20♂46	9♂29	12♂26	5♂38	28♂58	28♂35	24♂52	24♂38	18♂31	18♂39	10♂24	27♂49	M15
T 16	11 31 57	24♂51'46	20♂ 0	19♂51	10♂16	13♂12	5♂45	29♂ 0	28♂33	24♂53	24♂36	18♂29	18♂36	10♂31	27♂53	T 16
W17	11 35 54	25♂51'21	2♂2	18♂58	11♂ 4	13♂58	5♂52	29♂ 2	28♂31	24♂54	24♂35	18♂25	18♂33	10♂37	27♂56	W17
T 18	11 39 51	26♂50'55	13♂57	18♂ 7	11♂53	14♂44	5♂59	29♂ 5	28♂29	24♂55	24♂33	18♂17	18♂30	10♂44	28♂ 0	T 18
F 19	11 43 47	27♂50'26	25♂49	17♂20	12♂42	15♂30	6♂ 6	29♂ 7	28♂27	24♂57	24♂31	18♂ 7	18♂27	10♂51	28♂ 4	F 19
S 20	11 47 44	28♂49'55	7♂41	16♂38	13♂32	16♂16	6♂12	29♂ 9	28♂25	24♂58	24♂30	17♂54	18♂23	10♂57	28♂ 8	S 20
S 21	11 51 40	29♂49'22	19♂34	16♂ 1	14♂23	17♂ 2	6♂19	29♂11	28♂23	25♂ 0	24♂28	17♂41	18♂20	11♂ 4	28♂11	S 21
M22	11 55 37	0♂Y48'47	1♂29	15♂29	15♂15	17♂48	6♂25	29♂12	28♂20	25♂ 1	24♂27	17♂27	18♂17	11♂11	28♂15	M22
T 23	11 59 33	1♂48'09	13♂29	15♂ 3	16♂ 7	18♂34	6♂31	29♂14	28♂18	25♂ 3	24♂25	17♂13	18♂14	11♂18	28♂19	T 23
W24	12 3 30	2♂47'30	25♂35	14♂43	17♂ 0	19♂20	6♂37	29♂16	28♂16	25♂ 4	24♂23	17♂ 2	18♂11	11♂24	28♂22	W24
T 25	12 7 26	3♂46'49	7♂47	14♂29	17♂53	20♂ 6	6♂43	29♂17	28♂14	25♂ 6	24♂22	16♂53	18♂ 8	11♂31	28♂26	T 25
F 26	12 11 23	4♂46'06	20♂ 8	14♂21	18♂47	20♂52	6♂48	29♂19	28♂12	25♂ 7	24♂20	16♂48	18♂ 4	11♂38	28♂30	F 26
S 27	12 15 19	5♂45'21	2♂39	14♂D18	19♂42	21♂38	6♂54	29♂20	28♂ 9	25♂ 9	24♂18	16♂45	18♂ 1	11♂44	28♂33	S 27
S 28	12 19 16	6♂44'34	15♂25	14♂21	20♂37	22♂24	6♂59	29♂21	28♂ 7	25♂10	24♂17	16♂D44	17♂58	11♂51	28♂37	S 28
M29	12 23 13	7♂43'46	28♂29	14♂30	21♂33	23♂10	7♂ 4	29♂22	28♂ 5	25♂12	24♂15	16♂44	17♂55	11♂58	28♂41	M29
T 30	12 27 9	8♂42'55	11♂53	14♂43	22♂29	23♂56	7♂ 9	29♂23	28♂ 2	25♂14	24♂14	16♂R44	17♂52	12♂ 5	28♂44	T 30
W31	12 31 6	9♂Y42'04	25♂340	15♂X 2	23♂25	24♂42	7♂14	29♂24	28♂ 0	25♂15	24♂12	16♂II43	17♂II48	12♂11	28♂48	W31

Delta T = 10.53 sec

Greg. Calendar

APRIL 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 35 2	10♂Y41'10	9♂52	15♂X26	24♂23	25♂28	7♂18	29♂25	27♂R57	25♂B17	24♂R11	16♂R40	17♂II45	12♂18	28♂52	T 1
F 2	12 38 59	11♂40'14	24♂28	15♂54	25♂20	26♂14	7♂23	29♂26	27♂55	25♂19	24♂59	16♂II35	17♂42	12♂25	28♂55	F 2
S 3	12 42 55	12♂39'17	9♂X22	16♂26	26♂18	27♂ 1	7♂27	29♂26	27♂53	25♂21	24♂ 7	16♂27	17♂39	12♂32	28♂59	S 3
S 4	12 46 52	13♂38'18	24♂29	17♂ 3	27♂17	27♂47	7♂31	29♂27	27♂50	25♂22	24♂ 6	16♂18	17♂36	12♂38	29♂ 2	S 4
M 5	12 50 48	14♂37'16	9♂Y37	17♂43	28♂15	28♂33	7♂35	29♂27	27♂48	25♂24	24♂ 4	16♂ 8	17♂33	12♂45	29♂ 6	M 5
T 6	12 54 45	15♂36'13	24♂38	18♂28	29♂15	29♂19	7♂39	29♂27	27♂45	25♂26	24♂ 3	16♂ 0	17♂29	12♂52	29♂10	T 6
W 7	12 58 42	16♂35'08	9♂B21	19♂15	0♂X14	0♂X 5	7♂42	29♂28	27♂43	25♂28	24♂ 1	15♂53	17♂26	12♂58	29♂13	W 7
T 8	13 2 38	17♂34'00	23♂39	20♂ 6	1♂14	0♂51	7♂46	29♂28	27♂40	25♂30	24♂ 0	15♂48	17♂23	13♂ 5	29♂17	T 8
F 9	13 6 35	18♂32'51	7♂II29	21♂ 0	2♂15	1♂37	7♂49	29♂R28	27♂38	25♂31	23♂58	15♂46	17♂20	13♂12	29♂20	F 9
S 10	13 10 31	19♂31'39	20♂52	21♂58	3♂15	2♂23	7♂52	29♂28	27♂35	25♂33	23♂57	15♂D46	17♂17	13♂19	29♂24	S 10
S 11	13 14 28	20♂30'25	3♂48	22♂58	4♂16	3♂ 9	7♂55	29♂28	27♂33	25♂35	23♂56	15♂47	17♂14	13♂25	29♂27	S 11
M12	13 18 24	21♂29'09	16♂21	24♂ 1	5♂17	3♂55	7♂57	29♂27	27♂30	25♂37	23♂54	15♂R48	17♂10	13♂32	29♂31	M12
T 13	13 22 17	22♂27'51	28♂37	25♂ 6	6♂19	4♂42	8♂ 0	29♂27	27♂28	25♂39	23♂53	15♂48	17♂ 7	13♂39	29♂34	T 13
W14	13 26 21	23♂26'30	10♂II40	26♂14	7♂21	5♂28	8♂ 2	29♂26	27♂25	25♂41	23♂51	15♂46	17♂ 4	13♂46	29♂38	W14
T 15	13 30 14	24♂25'07	22♂36	27♂24	8♂23	6♂14	8♂ 4	29♂26	27♂23	25♂43	23♂50	15♂42	17♂ 1	13♂52	29♂41	T 15
F 16	13 34 11	25♂23'42	4♂II27	28♂37	9♂25	7♂ 0	8♂ 6	29♂25	27♂20	25♂45	23♂49	15♂36	16♂58	13♂59	29♂45	F 16
S 17	13 38 7	26♂22'14	16♂19	29♂52	10♂28	7♂46	8♂ 8	29♂24	27♂17	25♂47	23♂47	15♂28	16♂54	14♂ 6	29♂48	S 17
S 18	13 42 4	27♂20'45	28♂14	1♂Y 9	11♂31	8♂32	8♂10	29♂24	27♂15	25♂49	23♂46	15♂20	16♂51	14♂12	29♂51	S 18
M19	13 46 0	28♂19'13	10♂15	2♂28	12♂34	9♂18	8♂11	29♂23	27♂12	25♂51	23♂45	15♂10	16♂48	14♂19	29♂55	M19
T 20	13 49 57	29♂17'40	22♂22	3♂50	13♂37	10♂ 4	8♂12	29♂22	27♂10	25♂53	23♂43	15♂ 2	16♂45	14♂26	29♂58	T 20
W21	13 53 53	0♂B16'04	4♂II39	5♂13	14♂41	10♂50	8♂13	29♂20	27♂ 7	25♂55	23♂42	14♂55	16♂42	14♂33	0♂Y 1	W21
T 22	13 57 50	1♂14'27	17♂ 4	6♂38	15♂45	11♂36	8♂14	29♂19	27♂ 5	25♂57	23♂41	14♂50	16♂39	14♂39	0♂ 5	T 22
F 23	14 1 46	2♂12'48	29♂41	8♂ 6	16♂49	12♂22	8♂15	29♂18	27♂ 2	25♂59	23♂40	14♂46	16♂35	14♂46	0♂ 8	F 23
S 24	14 5 43	3♂11'08	12♂X28	9♂35	17♂53	13♂ 8	8♂15	29♂16	27♂ 0	26♂ 1	23♂39	14♂D45	16♂32	14♂53	0♂11	S 24
S 25	14 9 40	4♂ 9'26	25♂28	11♂ 6	18♂58	13♂54	8♂15	29♂15	26♂57	26♂ 3	23♂37	14♂46	16♂29	14♂59	0♂14	S 25
M26	14 13 36	5♂ 7'42	8♂342	12♂39	20♂ 3	14♂40	8♂R15	29♂13	26♂55	26♂ 6	23♂36	14♂47	16♂26	15♂ 6	0♂17	M26
T 27	14 17 33	6♂ 5'57	22♂12	14♂14	21♂ 8	15♂25	8♂15	29♂12	26♂52	26♂ 8	23♂35	14♂48	16♂23	15♂13	0♂21	T 27
W28	14 21 29	7♂ 4'10	5♂59	15♂51	22♂13	16♂11	8♂15	29♂10	26♂50	26♂10	23♂34	14♂R49	16♂19	15♂20	0♂24	W28
T 29	14 25 26	8♂ 2'22	20♂ 3	17♂29	23♂18	16♂57	8♂14	29♂ 8	26♂47	26♂12	23♂33	14♂49	16♂16	15♂26	0♂27	T 29
F 30	14 29 22	9♂ 0'32	4♂X24	19♂Y10	24♂X23	17♂X43	8♂14	29♂ 6	26♂45	26♂14	23♂32	14♂II46	16♂II13	15♂33	0♂Y30	F 30

Delta T = 10.53 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723
geocentric

MAY 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 33 19	9♂58'41	18♂58	20♀52	25♂29	18♂29	8°R13	29°R 4	26°R42	26♂16	23°R31	14°R43	16♂10	15♂40	0♀33	S 1
S 2	14 37 15	10°56'48	3♀40	22°36	26°35	19°15	8♂12	29♂ 2	26♂40	26°19	23♂30	14♂38	16° 7	15°47	0°36	S 2
M 3	14 41 12	11°54'54	18°25	24°22	27°41	20° 1	8°11	29° 0	26°37	26°21	23°29	14°33	16° 4	15°53	0°39	M 3
T 4	14 45 9	12°52'58	3♂ 5	26°10	28°47	20°46	8° 9	28°57	26°35	26°23	23°28	14°29	16° 0	16° 0	0°42	T 4
W 5	14 49 5	13°51'01	17°32	28° 0	29°53	21°32	8° 7	28°55	26°32	26°25	23°27	14°26	15°57	16° 7	0°45	W 5
T 6	14 53 2	14°49'02	1♂41	29°52	1♀ 0	22°18	8° 6	28°53	26°30	26°27	23°26	14°24	15°54	16°13	0°48	T 6
F 7	14 56 58	15°47'02	15°27	1♂45	2° 6	23° 3	8° 4	28°50	26°28	26°30	23°25	14°D23	15°51	16°20	0°51	F 7
S 8	15 0 55	16°45'00	28°49	3°41	3°13	23°49	8° 1	28°47	26°25	26°32	23°25	14°24	15°48	16°27	0°53	S 8
S 9	15 4 51	17°42'56	11♂48	5°38	4°20	24°35	7°59	28°45	26°23	26°34	23°24	14°25	15°45	16°34	0°56	S 9
M10	15 8 48	18°40'50	24°25	7°37	5°27	25°20	7°57	28°42	26°21	26°36	23°23	14°27	15°41	16°40	0°59	M10
T 11	15 12 44	19°38'43	6♂45	9°38	6°34	26° 6	7°54	28°39	26°18	26°38	23°22	14°28	15°38	16°47	1° 2	T 11
W12	15 16 41	20°36'33	18°51	11°41	7°41	26°51	7°51	28°36	26°16	26°41	23°22	14°R29	15°35	16°54	1° 4	W12
T 13	15 20 38	21°34'22	0♂48	13°45	8°48	27°37	7°48	28°33	26°14	26°43	23°21	14°28	15°32	17° 0	1° 7	T 13
F 14	15 24 34	22°32'10	12°41	15°51	9°56	28°22	7°45	28°30	26°12	26°45	23°20	14°27	15°29	17° 7	1° 9	F 14
S 15	15 28 31	23°29'55	24°35	17°58	11° 3	29° 8	7°41	28°27	26° 9	26°47	23°20	14°25	15°25	17°14	1°12	S 15
S 16	15 32 27	24°27'39	6♂32	20° 6	12°11	29°53	7°37	28°24	26° 7	26°50	23°19	14°22	15°22	17°21	1°15	S 16
M17	15 36 24	25°25'22	18°38	22°16	13°19	0♀39	7°34	28°20	26° 5	26°52	23°18	14°19	15°19	17°27	1°17	M17
T 18	15 40 20	26°23'02	0♂53	24°26	14°27	1°24	7°30	28°17	26° 3	26°54	23°18	14°16	15°16	17°34	1°19	T 18
W19	15 44 17	27°20'42	13°21	26°37	15°35	2° 9	7°26	28°14	26° 1	26°56	23°17	14°14	15°13	17°41	1°22	W19
T 20	15 48 13	28°18'20	26° 2	28°49	16°43	2°54	7°21	28°10	25°59	26°59	23°17	14°12	15°10	17°48	1°24	T 20
F 21	15 52 10	29°15'57	8♂57	1♂ 1	17°51	3°40	7°17	28° 7	25°57	27° 1	23°16	14°D12	15° 6	17°54	1°27	F 21
S 22	15 56 7	0♂13'33	22° 7	3°12	18°59	4°25	7°12	28° 3	25°55	27° 3	23°16	14°12	15° 3	18° 1	1°29	S 22
S 23	16 0 3	1°11'08	5♂29	5°24	20° 8	5°10	7° 8	27°59	25°53	27° 5	23°16	14°12	15° 0	18° 8	1°31	S 23
M24	16 4 0	2° 8'41	19° 5	7°34	21°16	5°55	7° 3	27°56	25°51	27° 8	23°15	14°13	14°57	18°14	1°33	M24
T 25	16 7 56	3° 6'14	2♂52	9°44	22°25	6°40	6°58	27°52	25°49	27°10	23°15	14°14	14°54	18°21	1°35	T 25
W26	16 11 53	4° 3'46	16°49	11°52	23°34	7°25	6°52	27°48	25°47	27°12	23°15	14°15	14°51	18°28	1°38	W26
T 27	16 15 49	5° 1'17	0♂56	13°59	24°42	8°10	6°47	27°44	25°46	27°14	23°14	14°R15	14°47	18°35	1°40	T 27
F 28	16 19 46	5°58'47	15°10	16° 5	25°51	8°55	6°42	27°40	25°44	27°17	23°14	14°15	14°44	18°41	1°42	F 28
S 29	16 23 42	6°56'17	29°28	18° 9	27° 0	9°40	6°36	27°36	25°42	27°19	23°14	14°15	14°41	18°48	1°44	S 29
S 30	16 27 39	7°53'45	13♀48	20°10	28° 9	10°25	6°30	27°32	25°40	27°21	23°14	14°14	14°38	18°55	1°46	S 30
M31	16 31 36	8♂51'13	28♀ 6	22♂10	29♀18	11♀ 9	6♂24	27♂28	25♂39	27♂23	23♂13	14♂14	14♂35	19♂ 2	1♀47	M31

Delta T = 10.53 sec

Greg. Calendar

JUNE 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 32	9♂48'40	12♂18	24♂ 7	0♂27	11♀54	6°R18	27°R24	25°R37	27♂25	23°R13	14°R13	14♂31	19♂ 8	1♀49	T 1
W 2	16 39 29	10°46'07	26°19	26° 2	1°37	12°39	6♂12	27♂20	25♂36	27°28	23♂13	14♂13	14°28	19°15	1°51	W 2
T 3	16 43 25	11°43'33	10♂ 7	27°55	2°46	13°23	6° 6	27°16	25°34	27°30	23°13	14°D13	14°25	19°22	1°53	T 3
F 4	16 47 22	12°40'58	23°38	29°45	3°55	14° 8	6° 0	27°12	25°33	27°32	23°D13	14°13	14°22	19°28	1°54	F 4
S 5	16 51 18	13°38'22	6♂50	1♂33	5° 5	14°52	5°53	27° 8	25°31	27°34	23°13	14°13	14°19	19°35	1°56	S 5
S 6	16 55 15	14°35'45	19°44	3°18	6°14	15°37	5°46	27° 3	25°30	27°36	23°13	14°R13	14°16	19°42	1°58	S 6
M 7	16 59 11	15°33'07	2♂20	5° 1	7°24	16°21	5°40	26°59	25°28	27°39	23°13	14°13	14°12	19°49	1°59	M 7
T 8	17 3 8	16°30'28	14°40	6°41	8°34	17° 6	5°33	26°55	25°27	27°41	23°14	14°12	14° 9	19°55	2° 1	T 8
W 9	17 7 5	17°27'48	26°47	8°18	9°43	17°50	5°26	26°51	25°26	27°43	23°14	14°12	14° 6	20° 2	2° 2	W 9
T 10	17 11 1	18°25'07	8♂45	9°53	10°53	18°34	5°19	26°46	25°25	27°45	23°14	14°12	14° 3	20° 9	2° 4	T 10
F 11	17 14 58	19°22'25	20°39	11°25	12° 3	19°18	5°12	26°42	25°23	27°47	23°14	14°D12	14° 0	20°16	2° 5	F 11
S 12	17 18 54	20°19'42	2♂33	12°54	13°13	20° 2	5° 5	26°38	25°22	27°49	23°14	14°12	13°57	20°22	2° 6	S 12
S 13	17 22 51	21°16'59	14°32	14°21	14°23	20°46	4°58	26°33	25°21	27°51	23°15	14°12	13°53	20°29	2° 8	S 13
M14	17 26 47	22°14'14	26°40	15°45	15°33	21°30	4°50	26°29	25°20	27°53	23°15	14°13	13°50	20°36	2° 9	M14
T 15	17 30 44	23°11'29	9♂ 0	17° 6	16°43	22°14	4°43	26°24	25°19	27°56	23°15	14°14	13°47	20°42	2°10	T 15
W16	17 34 40	24° 8'43	21°36	18°25	17°53	22°58	4°36	26°20	25°18	27°58	23°16	14°15	13°44	20°49	2°11	W16
T 17	17 38 37	25° 5'57	4♂30	19°40	19° 3	23°42	4°28	26°16	25°17	28° 0	23°16	14°15	13°41	20°56	2°12	T 17
F 18	17 42 34	26° 3'10	17°43	20°53	20°14	24°25	4°21	26°11	25°17	28° 2	23°17	14°R15	13°37	21° 3	2°13	F 18
S 19	17 46 30	27° 0'23	1♂15	22° 3	21°24	25° 9	4°13	26° 7	25°16	28° 4	23°17	14°15	13°34	21° 9	2°14	S 19
S 20	17 50 27	27°57'35	15° 4	23° 9	22°35	25°52	4° 6	26° 2	25°15	28° 6	23°17	14°14	13°31	21°16	2°15	S 20
M21	17 54 23	28°54'47	29° 6	24°13	23°45	26°36	3°58	25°58	25°14	28° 8	23°18	14°12	13°28	21°23	2°16	M21
T 22	17 58 20	29°51'59	13♂19	25°13	24°55	27°19	3°50	25°54	25°14	28°10	23°19	14°10	13°25	21°29	2°17	T 22
W23	18 2 16	0♂49'11	27°37	26°10	26° 6	28° 3	3°43	25°49	25°13	28°12	23°19	14° 8	13°22	21°36	2°17	W23
T 24	18 6 13	1°46'23	11♂57	27° 4	27°17	28°46	3°35	25°45	25°13	28°14	23°20	14° 7	13°18	21°43	2°18	T 24
F 25	18 10 10	2°43'35	26°15	27°55	28°27	29°29	3°27	25°40	25°12	28°16	23°20	14°D 6	13°15	21°50	2°18	F 25
S 26	18 14 6	3°40'46	10♀27	28°41	29°38	0♂12	3°20	25°36	25°12	28°18	23°21	14° 6	13°12	21°56	2°19	S 26
S 27	18 18 3	4°37'58	24°33	29°24	0♂49	0°55	3°12	25°32	25°11	28°19	23°22	14° 7	13° 9	22° 3	2°20	S 27
M28	18 21 59	5°35'11	8♂29	0♂ 4	2° 0	1°38	3° 4	25°27	25°11	28°21	23°23	14° 8	13° 6	22°10	2°20	M28
T 29	18 25 56	6°32'23	22°15	0°39	3°11	2°21	2°57	25°23	25°11	28°23	23°23	14°10	13° 3	22°17	2°20	T 29
W30	18 29 52	7♂29'36	5♂49	1♂10	4♂22	3♂ 4	2♂49	25♂19	25♂10	28♂25	23♂24	14♂11	12♂59	22♂23	2♀21	W30

Delta T = 10.54 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723

geocentric

JULY 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 33 49	8 ²⁶ 49	19 ¹¹ 12	1 ⁰ 37	5 ¹¹ 33	3 ⁸ 46	2 ⁰ R41	25 ⁰ R15	25 ⁰ R10	28 ⁰ 27	23 ⁰ 25	14 ⁰ R11	12 ⁰ 56	22 ⁰ 30	2 ⁰ 21	T 1
F 2	18 37 45	9 ⁰ 24'02	2 ⁰ 21	2 ⁰ 0	6 ⁰ 44	4 ⁰ 29	2 ⁰ 34	25 ⁰ 10	25 ⁰ 10	28 ⁰ 29	23 ⁰ 26	14 ⁰ 10	12 ⁰ 53	22 ⁰ 37	2 ⁰ 21	F 2
S 3	18 41 42	10 ⁰ 21'15	15 ⁰ 17	2 ⁰ 18	7 ⁰ 55	5 ⁰ 12	2 ⁰ 26	25 ⁰ 6	25 ⁰ 10	28 ⁰ 30	23 ⁰ 27	14 ⁰ 7	12 ⁰ 50	22 ⁰ 43	2 ⁰ 22	S 3
S 4	18 45 39	11 ⁰ 18'28	27 ⁰ 58	2 ⁰ 32	9 ⁰ 6	5 ⁰ 54	2 ⁰ 19	25 ⁰ 2	25 ⁰ D10	28 ⁰ 32	23 ⁰ 28	14 ⁰ 4	12 ⁰ 47	22 ⁰ 50	2 ⁰ 22	S 4
M 5	18 49 35	12 ⁰ 15'41	10 ⁰ 26	2 ⁰ 41	10 ⁰ 17	6 ⁰ 36	2 ⁰ 11	24 ⁰ 58	25 ⁰ 10	28 ⁰ 34	23 ⁰ 29	13 ⁰ 59	12 ⁰ 43	22 ⁰ 57	2 ⁰ 22	M 5
T 6	18 53 32	13 ⁰ 12'54	22 ⁰ 42	2 ⁰ R46	11 ⁰ 29	7 ⁰ 19	2 ⁰ 4	24 ⁰ 54	25 ⁰ 10	28 ⁰ 36	23 ⁰ 30	13 ⁰ 55	12 ⁰ 40	23 ⁰ 4	2 ⁰ R22	T 6
W 7	18 57 28	14 ⁰ 10'07	4 ⁰ 47	2 ⁰ 46	12 ⁰ 40	8 ⁰ 1	1 ⁰ 56	24 ⁰ 50	25 ⁰ 10	28 ⁰ 37	23 ⁰ 31	13 ⁰ 50	12 ⁰ 37	23 ⁰ 10	2 ⁰ 22	W 7
T 8	19 1 25	15 ⁰ 7'19	16 ⁰ 44	2 ⁰ 41	13 ⁰ 51	8 ⁰ 43	1 ⁰ 49	24 ⁰ 46	25 ⁰ 10	28 ⁰ 39	23 ⁰ 32	13 ⁰ 46	12 ⁰ 34	23 ⁰ 17	2 ⁰ 22	T 8
F 9	19 5 21	16 ⁰ 4'32	28 ⁰ 37	2 ⁰ 31	15 ⁰ 3	9 ⁰ 25	1 ⁰ 42	24 ⁰ 42	25 ⁰ 11	28 ⁰ 41	23 ⁰ 33	13 ⁰ 43	12 ⁰ 31	23 ⁰ 24	2 ⁰ 22	F 9
S 10	19 9 18	17 ⁰ 1'45	10 ⁰ 30	2 ⁰ 17	16 ⁰ 14	10 ⁰ 7	1 ⁰ 34	24 ⁰ 38	25 ⁰ 11	28 ⁰ 42	23 ⁰ 34	13 ⁰ 42	12 ⁰ 28	23 ⁰ 30	2 ⁰ 21	S 10
S 11	19 13 14	17 ⁰ 58'58	22 ⁰ 28	1 ⁰ 58	17 ⁰ 26	10 ⁰ 48	1 ⁰ 27	24 ⁰ 34	25 ⁰ 11	28 ⁰ 44	23 ⁰ 35	13 ⁰ D41	12 ⁰ 24	23 ⁰ 37	2 ⁰ 21	S 11
M12	19 17 11	18 ⁰ 56'11	4 ⁰ 34	1 ⁰ 34	18 ⁰ 37	11 ⁰ 30	1 ⁰ 20	24 ⁰ 30	25 ⁰ 12	28 ⁰ 46	23 ⁰ 36	13 ⁰ 42	12 ⁰ 21	23 ⁰ 44	2 ⁰ 21	M12
T 13	19 21 8	19 ⁰ 53'24	16 ⁰ 55	1 ⁰ 7	19 ⁰ 49	12 ⁰ 12	1 ⁰ 13	24 ⁰ 26	25 ⁰ 12	28 ⁰ 47	23 ⁰ 38	13 ⁰ 44	12 ⁰ 18	23 ⁰ 51	2 ⁰ 20	T 13
W14	19 25 4	20 ⁰ 50'38	29 ⁰ 33	0 ⁰ 36	21 ⁰ 1	12 ⁰ 53	1 ⁰ 7	24 ⁰ 23	25 ⁰ 13	28 ⁰ 49	23 ⁰ 39	13 ⁰ 45	12 ⁰ 15	23 ⁰ 57	2 ⁰ 20	W14
T 15	19 29 1	21 ⁰ 47'51	12 ⁰ 34	0 ⁰ 2	22 ⁰ 12	13 ⁰ 34	1 ⁰ 0	24 ⁰ 19	25 ⁰ 13	28 ⁰ 50	23 ⁰ 40	13 ⁰ R46	12 ⁰ 12	24 ⁰ 4	2 ⁰ 20	T 15
F 16	19 32 57	22 ⁰ 45'05	25 ⁰ 59	29 ⁰ 25	23 ⁰ 24	14 ⁰ 16	0 ⁰ 53	24 ⁰ 15	25 ⁰ 14	28 ⁰ 52	23 ⁰ 41	13 ⁰ 46	12 ⁰ 9	24 ⁰ 11	2 ⁰ 19	F 16
S 17	19 36 54	23 ⁰ 42'19	9 ⁰ 34	28 ⁰ 46	24 ⁰ 36	14 ⁰ 57	0 ⁰ 46	24 ⁰ 12	25 ⁰ 15	28 ⁰ 53	23 ⁰ 43	13 ⁰ 43	12 ⁰ 5	24 ⁰ 18	2 ⁰ 19	S 17
S 18	19 40 50	24 ⁰ 39'34	23 ⁰ 59	28 ⁰ 5	25 ⁰ 48	15 ⁰ 38	0 ⁰ 40	24 ⁰ 8	25 ⁰ 15	28 ⁰ 55	23 ⁰ 44	13 ⁰ 39	12 ⁰ 2	24 ⁰ 24	2 ⁰ 18	S 18
M19	19 44 47	25 ⁰ 36'49	8 ⁰ 27	27 ⁰ 23	27 ⁰ 0	16 ⁰ 19	0 ⁰ 34	24 ⁰ 5	25 ⁰ 16	28 ⁰ 56	23 ⁰ 45	13 ⁰ 34	11 ⁰ 59	24 ⁰ 31	2 ⁰ 17	M19
T 20	19 48 43	26 ⁰ 34'05	23 ⁰ 8	26 ⁰ 41	28 ⁰ 11	17 ⁰ 0	0 ⁰ 27	24 ⁰ 2	25 ⁰ 17	28 ⁰ 57	23 ⁰ 47	13 ⁰ 27	11 ⁰ 56	24 ⁰ 38	2 ⁰ 17	T 20
W21	19 52 40	27 ⁰ 31'22	7 ⁰ 52	25 ⁰ 59	29 ⁰ 23	17 ⁰ 40	0 ⁰ 21	23 ⁰ 58	25 ⁰ 18	28 ⁰ 59	23 ⁰ 48	13 ⁰ 21	11 ⁰ 53	24 ⁰ 44	2 ⁰ 16	W21
T 22	19 56 37	28 ⁰ 28'39	22 ⁰ 33	25 ⁰ 19	0 ⁰ 36	18 ⁰ 21	0 ⁰ 15	23 ⁰ 55	25 ⁰ 19	29 ⁰ 0	23 ⁰ 50	13 ⁰ 16	11 ⁰ 49	24 ⁰ 51	2 ⁰ 15	T 22
F 23	20 0 33	29 ⁰ 25'57	7 ⁰ 4	24 ⁰ 41	1 ⁰ 48	19 ⁰ 2	0 ⁰ 9	23 ⁰ 52	25 ⁰ 20	29 ⁰ 2	23 ⁰ 51	13 ⁰ 12	11 ⁰ 46	24 ⁰ 58	2 ⁰ 14	F 23
S 24	20 4 30	0 ⁰ 23'17	21 ⁰ 21	24 ⁰ 5	3 ⁰ 0	19 ⁰ 42	0 ⁰ 4	23 ⁰ 49	25 ⁰ 21	29 ⁰ 3	23 ⁰ 53	13 ⁰ 10	11 ⁰ 43	25 ⁰ 5	2 ⁰ 13	S 24
S 25	20 8 26	1 ⁰ 20'37	5 ⁰ 22	23 ⁰ 33	4 ⁰ 12	20 ⁰ 22	29 ⁰ 58	23 ⁰ 46	25 ⁰ 22	29 ⁰ 4	23 ⁰ 54	13 ⁰ D 9	11 ⁰ 40	25 ⁰ 11	2 ⁰ 12	S 25
M26	20 12 23	2 ⁰ 17'58	19 ⁰ 7	23 ⁰ 5	5 ⁰ 24	21 ⁰ 2	29 ⁰ 53	23 ⁰ 43	25 ⁰ 23	29 ⁰ 5	23 ⁰ 56	13 ⁰ 10	11 ⁰ 37	25 ⁰ 18	2 ⁰ 11	M26
T 27	20 16 19	3 ⁰ 15'21	2 ⁰ 35	22 ⁰ 42	6 ⁰ 37	21 ⁰ 42	29 ⁰ 47	23 ⁰ 40	25 ⁰ 24	29 ⁰ 7	23 ⁰ 57	13 ⁰ 11	11 ⁰ 34	25 ⁰ 25	2 ⁰ 10	T 27
W28	20 20 16	4 ⁰ 12'45	15 ⁰ 49	22 ⁰ 24	7 ⁰ 49	22 ⁰ 22	29 ⁰ 42	23 ⁰ 37	25 ⁰ 25	29 ⁰ 8	23 ⁰ 59	13 ⁰ R12	11 ⁰ 30	25 ⁰ 31	2 ⁰ 9	W28
T 29	20 24 12	5 ⁰ 10'09	28 ⁰ 49	22 ⁰ 11	9 ⁰ 1	23 ⁰ 2	29 ⁰ 37	23 ⁰ 34	25 ⁰ 26	29 ⁰ 9	24 ⁰ 0	13 ⁰ 10	11 ⁰ 27	25 ⁰ 38	2 ⁰ 8	T 29
F 30	20 28 9	6 ⁰ 7'35	11 ⁰ 37	22 ⁰ 4	10 ⁰ 14	23 ⁰ 42	29 ⁰ 32	23 ⁰ 32	25 ⁰ 28	29 ⁰ 10	24 ⁰ 2	13 ⁰ 7	11 ⁰ 24	25 ⁰ 45	2 ⁰ 7	F 30
S 31	20 32 6	7 ⁰ 5'02	24 ⁰ 14	22 ⁰ D 3	11 ⁰ 26	24 ⁰ 21	29 ⁰ 27	23 ⁰ 29	25 ⁰ 29	29 ⁰ 11	24 ⁰ 4	13 ⁰ 1	11 ⁰ 21	25 ⁰ 52	2 ⁰ 5	S 31

Delta T = 10.54 sec

Greg. Calendar

AUGUST 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 2	8♌ 2'30	6♌41	22♏ 9	12♏39	25♏ 1	29°R23	23°R26	25♎31	29♎12	24♎ 5	12°R53	11♏18	25♎58	2°R 4	S 1
M 2	20 39 59	8°59'59	18°58	22°21	13°51	25°40	29♎18	23♎24	25°32	29°13	24° 7	12♏43	11°15	26° 5	2°Y 3	M 2
T 3	20 43 55	9°57'28	1♎ 6	22°40	15° 4	26°19	29°14	23°22	25°34	29°14	24° 9	12°33	11°11	26°12	2° 1	T 3
W 4	20 47 52	10°54'59	13° 6	23° 5	16°17	26°58	29°10	23°19	25°35	29°15	24°11	12°22	11° 8	26°18	2° 0	W 4
T 5	20 51 48	11°52'31	25° 0	23°37	17°29	27°37	29° 6	23°17	25°37	29°16	24°12	12°13	11° 5	26°25	1°58	T 5
F 6	20 55 45	12°50'03	6♎51	24°16	18°42	28°16	29° 2	23°15	25°38	29°17	24°14	12° 5	11° 2	26°32	1°57	F 6
S 7	20 59 41	13°47'36	18°42	25° 1	19°55	28°54	28°59	23°13	25°40	29°18	24°16	12° 0	10°59	26°39	1°55	S 7
S 8	21 3 38	14°45'10	0♎37	25°53	21° 8	29°33	28°55	23°11	25°42	29°19	24°18	11°57	10°55	26°45	1°53	S 8
M 9	21 7 35	15°42'46	12°41	26°52	22°21	0♏11	28°52	23° 9	25°44	29°20	24°20	11°D55	10°52	26°52	1°52	M 9
T 10	21 11 31	16°40'22	24°58	27°56	23°34	0°49	28°49	23° 8	25°46	29°20	24°21	11°56	10°49	26°59	1°50	T 10
W11	21 15 28	17°37'59	7♎35	29° 6	24°47	1°27	28°46	23° 6	25°47	29°21	24°23	11°R56	10°46	27° 6	1°48	W11
T 12	21 19 24	18°35'37	20°35	0♌23	26° 0	2° 5	28°44	23° 4	25°49	29°22	24°25	11°56	10°43	27°12	1°46	T 12
F 13	21 23 21	19°33'16	4♏ 1	1°44	27°13	2°42	28°41	23° 3	25°51	29°23	24°27	11°54	10°40	27°19	1°44	F 13
S 14	21 27 17	20°30'57	17°57	3°11	28°26	3°20	28°39	23° 1	25°53	29°23	24°29	11°50	10°36	27°26	1°43	S 14
S 15	21 31 14	21°28'38	2♎20	4°43	29°39	3°57	28°37	23° 0	25°56	29°24	24°31	11°43	10°33	27°32	1°41	S 15
M16	21 35 10	22°26'21	17° 6	6°19	0♌52	4°34	28°35	22°59	25°58	29°24	24°33	11°34	10°30	27°39	1°39	M16
T 17	21 39 7	23°24'05	2♎ 7	7°59	2° 6	5°11	28°33	22°58	26° 0	29°25	24°35	11°24	10°27	27°46	1°37	T 17
W18	21 43 4	24°21'50	17°15	9°43	3°19	5°48	28°31	22°57	26° 2	29°26	24°37	11°14	10°24	27°53	1°35	W18
T 19	21 47 0	25°19'37	2°Y18	11°30	4°32	6°25	28°30	22°56	26° 4	29°26	24°39	11° 5	10°21	27°59	1°32	T 19
F 20	21 50 57	26°17'25	17° 8	13°20	5°46	7° 1	28°29	22°55	26° 7	29°27	24°41	10°58	10°17	28° 6	1°30	F 20
S 21	21 54 53	27°15'15	1♏38	15°12	6°59	7°38	28°28	22°54	26° 9	29°27	24°43	10°54	10°14	28°13	1°28	S 21
S 22	21 58 50	28°13'07	15°45	17° 6	8°12	8°14	28°27	22°54	26°11	29°27	24°45	10°52	10°11	28°19	1°26	S 22
M23	22 2 46	29°11'01	29°29	19° 2	9°26	8°50	28°26	22°53	26°14	29°28	24°47	10°D51	10° 8	28°26	1°24	M23
T 24	22 6 43	0♎ 8'57	12♏50	20°59	10°40	9°26	28°26	22°53	26°16	29°28	24°49	10°R51	10° 5	28°33	1°21	T 24
W25	22 10 39	1° 6'55	25°53	22°57	11°53	10° 1	28°25	22°52	26°19	29°28	24°51	10°51	10° 1	28°40	1°19	W25
T 26	22 14 36	2° 4'54	8♏38	24°55	13° 7	10°37	28°D25	22°52	26°21	29°29	24°53	10°48	9°58	28°46	1°17	T 26
F 27	22 18 33	3° 2'56	21°11	26°53	14°21	11°12	28°25	22°52	26°24	29°29	24°56	10°43	9°55	28°53	1°14	F 27
S 28	22 22 29	4° 0'59	3♌33	28°51	15°34	11°47	28°26	22°D52	26°26	29°29	24°58	10°35	9°52	29° 0	1°12	S 28
S 29	22 26 26	4°59'04	15°46	0♎49	16°48	12°22	28°26	22°52	26°29	29°29	25° 0	10°24	9°49	29° 6	1°10	S 29
M30	22 30 22	5°57'10	27°52	2°47	18° 2	12°57	28°27	22°52	26°32	29°29	25° 2	10°11	9°46	29°13	1° 7	M30
T 31	22 34 19	6♎55'19	9♎52	4♎44	19♌16	13♏31	28♎28	22♎52	26♎34	29♎30	25♎ 4	9♏57	9♏42	29♎20	1°Y 5	T 31

ASTRODIENST EPHEMERIS for the year 1723

geocentric

SEPTEMBER 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 38 15	7 ^h 53'29"	21 ^h 47'	6 ^h 40'	20 ^h 30'	14 ^h 11' 5	28 ^h 29'	22 ^h 53'	26 ^h 37'	29 ^h 30'	25 ^h 6'	9 ^h R43	9 ^h II39	29 ^h 27'	1 ^h R 2	W 1
T 2	22 42 12	8 ^h 51'40"	3 ^h 38'	8 ^h 35'	21 ^h 44'	14 ^h 39'	28 ^h 30'	22 ^h 53'	26 ^h 40'	29 ^h 30'	25 ^h 8'	9 ^h II30	9 ^h 36'	29 ^h 33'	1 ^h Y 0	T 2
F 3	22 46 8	9 ^h 49'53"	15 ^h 28'	10 ^h 30'	22 ^h 58'	15 ^h 13'	28 ^h 31'	22 ^h 53'	26 ^h 43'	29 ^h R30	25 ^h 11'	9 ^h 19'	9 ^h 33'	29 ^h 40'	0 ^h 57'	F 3
S 4	22 50 5	10 ^h 48'08"	27 ^h 19'	12 ^h 23'	24 ^h 12'	15 ^h 46'	28 ^h 33'	22 ^h 54'	26 ^h 46'	29 ^h 30'	25 ^h 13'	9 ^h 11'	9 ^h 30'	29 ^h 47'	0 ^h 54'	S 4
S 5	22 54 2	11 ^h 46'25"	9 ^h 14'	14 ^h 16'	25 ^h 26'	16 ^h 20'	28 ^h 35'	22 ^h 55'	26 ^h 49'	29 ^h 30'	25 ^h 15'	9 ^h 6'	9 ^h 26'	29 ^h 53'	0 ^h 52'	S 5
M 6	22 57 58	12 ^h 44'43"	21 ^h 16'	16 ^h 7'	26 ^h 40'	16 ^h 53'	28 ^h 37'	22 ^h 56'	26 ^h 52'	29 ^h 29'	25 ^h 17'	9 ^h 3'	9 ^h 23'	0 ^h 50'	0 ^h 49'	M 6
T 7	23 1 55	13 ^h 43'03"	3 ^h 31'	17 ^h 57'	27 ^h 54'	17 ^h 26'	28 ^h 39'	22 ^h 57'	26 ^h 54'	29 ^h 29'	25 ^h 19'	9 ^h 3'	9 ^h 20'	0 ^h 7'	0 ^h 47'	T 7
W 8	23 5 51	14 ^h 41'24"	16 ^h 4'	19 ^h 46'	29 ^h 8'	17 ^h 58'	28 ^h 41'	22 ^h 58'	26 ^h 57'	29 ^h 29'	25 ^h 22'	9 ^h 3'	9 ^h 17'	0 ^h 14'	0 ^h 44'	W 8
T 9	23 9 48	15 ^h 39'47"	28 ^h 58'	21 ^h 34'	0 ^h 22'	18 ^h 30'	28 ^h 44'	22 ^h 59'	27 ^h 1'	29 ^h 29'	25 ^h 24'	9 ^h 2'	9 ^h 14'	0 ^h 20'	0 ^h 41'	T 9
F 10	23 13 44	16 ^h 38'11"	12 ^h 32'	23 ^h 21'	1 ^h 36'	19 ^h 3'	28 ^h 47'	23 ^h 0'	27 ^h 4'	29 ^h 29'	25 ^h 26'	9 ^h 0'	9 ^h 11'	0 ^h 27'	0 ^h 39'	F 10
S 11	23 17 41	17 ^h 36'37"	26 ^h 11'	25 ^h 7'	2 ^h 51'	19 ^h 34'	28 ^h 50'	23 ^h 1'	27 ^h 7'	29 ^h 28'	25 ^h 28'	8 ^h 56'	9 ^h 7'	0 ^h 34'	0 ^h 36'	S 11
S 12	23 21 37	18 ^h 35'05"	10 ^h 32'	26 ^h 52'	4 ^h 5'	20 ^h 6'	28 ^h 53'	23 ^h 3'	27 ^h 10'	29 ^h 28'	25 ^h 31'	8 ^h 49'	9 ^h 4'	0 ^h 40'	0 ^h 33'	S 12
M13	23 25 34	19 ^h 33'34"	25 ^h 21'	28 ^h 35'	5 ^h 19'	20 ^h 37'	28 ^h 56'	23 ^h 4'	27 ^h 13'	29 ^h 28'	25 ^h 33'	8 ^h 40'	9 ^h 1'	0 ^h 47'	0 ^h 30'	M13
T 14	23 29 31	20 ^h 32'05"	10 ^h 29'	0 ^h 18'	6 ^h 34'	21 ^h 8'	29 ^h 0'	23 ^h 6'	27 ^h 16'	29 ^h 28'	25 ^h 35'	8 ^h 30'	8 ^h 58'	0 ^h 54'	0 ^h 28'	T 14
W15	23 33 27	21 ^h 30'38"	25 ^h 48'	1 ^h 59'	7 ^h 48'	21 ^h 39'	29 ^h 3'	23 ^h 7'	27 ^h 19'	29 ^h 27'	25 ^h 37'	8 ^h 19'	8 ^h 55'	1 ^h 1'	0 ^h 25'	W15
T 16	23 37 24	22 ^h 29'13"	11 ^h Y 6	3 ^h 40'	9 ^h 2'	22 ^h 10'	29 ^h 7'	23 ^h 9'	27 ^h 23'	29 ^h 27'	25 ^h 40'	8 ^h 9'	8 ^h 52'	1 ^h 7'	0 ^h 22'	T 16
F 17	23 41 20	23 ^h 27'50"	26 ^h 12'	5 ^h 19'	10 ^h 17'	22 ^h 40'	29 ^h 11'	23 ^h 11'	27 ^h 26'	29 ^h 26'	25 ^h 42'	8 ^h 2'	8 ^h 48'	1 ^h 14'	0 ^h 19'	F 17
S 18	23 45 17	24 ^h 26'29"	10 ^h 35'	6 ^h 58'	11 ^h 31'	23 ^h 10'	29 ^h 15'	23 ^h 13'	27 ^h 29'	29 ^h 26'	25 ^h 44'	7 ^h 57'	8 ^h 45'	1 ^h 21'	0 ^h 17'	S 18
S 19	23 49 13	25 ^h 25'10"	25 ^h 17'	8 ^h 35'	12 ^h 46'	23 ^h 40'	29 ^h 19'	23 ^h 15'	27 ^h 32'	29 ^h 25'	25 ^h 46'	7 ^h 55'	8 ^h 42'	1 ^h 27'	0 ^h 14'	S 19
M20	23 53 10	26 ^h 23'54"	9 ^h II 8	10 ^h 12'	14 ^h 0'	24 ^h 9'	29 ^h 24'	23 ^h 17'	27 ^h 36'	29 ^h 25'	25 ^h 49'	7 ^h D54	8 ^h 39'	1 ^h 34'	0 ^h 11'	M20
T 21	23 57 6	27 ^h 22'40"	22 ^h 33'	11 ^h 47'	15 ^h 15'	24 ^h 38'	29 ^h 29'	23 ^h 19'	27 ^h 39'	29 ^h 24'	25 ^h 51'	7 ^h R54	8 ^h 36'	1 ^h 41'	0 ^h 8'	T 21
W22	0 1 3	28 ^h 21'28"	5 ^h 34'	13 ^h 22'	16 ^h 29'	25 ^h 7'	29 ^h 33'	23 ^h 22'	27 ^h 43'	29 ^h 24'	25 ^h 53'	7 ^h 54'	8 ^h 32'	1 ^h 48'	0 ^h 5'	W22
T 23	0 5 0	29 ^h 20'19"	18 ^h 14'	14 ^h 56'	17 ^h 44'	25 ^h 35'	29 ^h 38'	23 ^h 24'	27 ^h 46'	29 ^h 23'	25 ^h 55'	7 ^h 53'	8 ^h 29'	1 ^h 54'	0 ^h 3'	T 23
F 24	0 8 56	0 ^h 19'11"	0 ^h 39'	16 ^h 28'	18 ^h 59'	26 ^h 3'	29 ^h 44'	23 ^h 27'	27 ^h 49'	29 ^h 22'	25 ^h 58'	7 ^h 49'	8 ^h 26'	2 ^h 1'	29 ^h 59'	F 24
S 25	0 12 53	1 ^h 18'06"	12 ^h 52'	18 ^h 0'	20 ^h 13'	26 ^h 31'	29 ^h 49'	23 ^h 29'	27 ^h 53'	29 ^h 21'	26 ^h 0'	7 ^h 42'	8 ^h 23'	2 ^h 8'	29 ^h 57'	S 25
S 26	0 16 49	2 ^h 17'03"	24 ^h 56'	19 ^h 31'	21 ^h 28'	26 ^h 58'	29 ^h 55'	23 ^h 32'	27 ^h 56'	29 ^h 21'	26 ^h 2'	7 ^h 33'	8 ^h 20'	2 ^h 14'	29 ^h 54'	S 26
M27	0 20 46	3 ^h 16'03"	6 ^h 54'	21 ^h 1'	22 ^h 43'	27 ^h 26'	0 ^h 30'	23 ^h 35'	28 ^h 0'	29 ^h 20'	26 ^h 4'	7 ^h 22'	8 ^h 17'	2 ^h 21'	29 ^h 51'	M27
T 28	0 24 42	4 ^h 15'04"	18 ^h 48'	22 ^h 31'	23 ^h 58'	27 ^h 52'	0 ^h 6'	23 ^h 38'	28 ^h 3'	29 ^h 19'	26 ^h 7'	7 ^h 10'	8 ^h 13'	2 ^h 28'	29 ^h 48'	T 28
W29	0 28 39	5 ^h 14'08"	0 ^h 40'	23 ^h 59'	25 ^h 12'	28 ^h 19'	0 ^h 12'	23 ^h 40'	28 ^h 7'	29 ^h 18'	26 ^h 9'	6 ^h 57'	8 ^h 10'	2 ^h 34'	29 ^h 46'	W29
T 30	0 32 35	6 ^h 13'13"	12 ^h 31'	25 ^h 26'	26 ^h 27'	28 ^h II 45	0 ^h 18'	23 ^h 44'	28 ^h 10'	29 ^h 18'	26 ^h 11'	6 ^h II 46	8 ^h II 7	2 ^h 41'	29 ^h 43'	T 30

Delta T = 10.55 sec

Greg. Calendar

OCTOBER 1723

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 36 32	7♂12'21	24♂23	26♂53	27♂42	29♂10	0♂24	23♂47	28♂14	29♂17	26♂13	6♂R37	8♂II 4	2♂48	29♂R40	F 1
S 2	0 40 28	8°11'31	6♂17	28°18	28°57	29°35	0°31	23°50	28°18	29♂16	26°16	6♂II30	8° 1	2°55	29♂37	S 2
S 3	0 44 25	9°10'42	18°16	29°43	0♂12	0♂0	0°38	23°53	28°21	29°15	26°18	6°26	7°57	3° 1	29°35	S 3
M 4	0 48 22	10° 9'56	0♂23	1♂ 6	1°27	0°25	0°44	23°57	28°25	29°14	26°20	6°24	7°54	3° 8	29°32	M 4
T 5	0 52 18	11° 9'11	12°41	2°29	2°42	0°49	0°51	24° 0	28°28	29°13	26°22	6°D24	7°51	3°15	29°29	T 5
W 6	0 56 15	12° 8'29	25°14	3°50	3°57	1°12	0°58	24° 4	28°32	29°12	26°24	6°25	7°48	3°21	29°26	W 6
T 7	1 0 11	13° 7'48	8♂ 6	5°11	5°12	1°35	1° 6	24° 7	28°36	29°11	26°27	6°R26	7°45	3°28	29°24	T 7
F 8	1 4 8	14° 7'09	21°21	6°30	6°27	1°58	1°13	24°11	28°39	29°10	26°29	6°25	7°42	3°35	29°21	F 8
S 9	1 8 4	15° 6'31	5≈ 3	7°48	7°42	2°21	1°21	24°15	28°43	29° 9	26°31	6°23	7°38	3°42	29°18	S 9
S 10	1 12 1	16° 5'56	19°13	9° 5	8°57	2°42	1°28	24°19	28°47	29° 7	26°33	6°20	7°35	3°48	29°16	S 10
M11	1 15 57	17° 5'22	3♂50	10°20	10°12	3° 4	1°36	24°23	28°50	29° 6	26°35	6°14	7°32	3°55	29°13	M11
T 12	1 19 54	18° 4'49	18°48	11°34	11°27	3°25	1°44	24°27	28°54	29° 5	26°37	6° 7	7°29	4° 2	29°10	T 12
W13	1 23 51	19° 4'19	4♂Y 0	12°46	12°42	3°45	1°52	24°31	28°58	29° 4	26°40	5°59	7°26	4° 8	29° 8	W13
T 14	1 27 47	20° 3'51	19°17	13°57	13°57	4° 5	2° 0	24°35	29° 2	29° 3	26°42	5°53	7°23	4°15	29° 5	T 14
F 15	1 31 44	21° 3'24	4♂26	15° 6	15°12	4°25	2° 9	24°39	29° 5	29° 2	26°44	5°48	7°19	4°22	29° 3	F 15
S 16	1 35 40	22° 3'00	19°19	16°12	16°27	4°44	2°17	24°44	29° 9	29° 0	26°46	5°45	7°16	4°29	29° 0	S 16
S 17	1 39 37	23° 2'38	3♂II49	17°17	17°42	5° 2	2°26	24°48	29°13	28°59	26°48	5°D43	7°13	4°35	28°58	S 17
M18	1 43 33	24° 2'19	17°50	18°19	18°57	5°20	2°34	24°53	29°17	28°58	26°50	5°44	7°10	4°42	28°55	M18
T 19	1 47 30	25° 2'01	1♂24	19°18	20°13	5°37	2°43	24°57	29°20	28°56	26°52	5°45	7° 7	4°49	28°53	T 19
W20	1 51 26	26° 1'46	14°31	20°15	21°28	5°54	2°52	25° 2	29°24	28°55	26°54	5°47	7° 3	4°55	28°50	W20
T 21	1 55 23	27° 1'33	27°15	21° 8	22°43	6°10	3° 1	25° 7	29°28	28°54	26°56	5°R47	7° 0	5° 2	28°48	T 21
F 22	1 59 20	28° 1'23	9♂I40	21°57	23°58	6°26	3°11	25°11	29°32	28°52	26°58	5°46	6°57	5° 9	28°45	F 22
S 23	2 3 16	29° 1'14	21°51	22°43	25°13	6°41	3°20	25°16	29°35	28°51	27° 0	5°44	6°54	5°15	28°43	S 23
S 24	2 7 13	0♂I 1'08	3♂51	23°24	26°29	6°55	3°29	25°21	29°39	28°49	27° 2	5°40	6°51	5°22	28°41	S 24
M25	2 11 9	1° 1'04	15°45	24° 0	27°44	7° 9	3°39	25°26	29°43	28°48	27° 4	5°34	6°48	5°29	28°39	M25
T 26	2 15 6	2° 1'02	27°36	24°31	28°59	7°22	3°49	25°31	29°47	28°46	27° 6	5°28	6°44	5°36	28°36	T 26
W27	2 19 2	3° 1'02	9♂27	24°55	0♂I 14	7°35	3°59	25°36	29°50	28°45	27° 8	5°22	6°41	5°42	28°34	W27
T 28	2 22 59	4° 1'04	21°20	25°13	1°30	7°47	4° 8	25°41	29°54	28°43	27°10	5°16	6°38	5°49	28°32	T 28
F 29	2 26 55	5° 1'08	3♂I17	25°24	2°45	7°58	4°19	25°47	29°58	28°42	27°12	5°11	6°35	5°56	28°30	F 29
S 30	2 30 52	6° 1'14	15°20	25°R27	4° 0	8° 9	4°29	25°52	0♂I 2	28°40	27°14	5° 8	6°32	6° 2	28°28	S 30
S 31	2 34 49	7♂I 1'22	27♂I29	25♂I21	5♂I16	8♂I18	4♂I39	25♂I57	0♂I 5	28♂I39	27♂I16	5♂I 7	6♂I29	6♂I 9	28♂I26	S 31

ASTRODIENST EPHEMERIS for the year 1723

geocentric

NOVEMBER 1723

00:00 UT

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

Delta T = 10.56 sec

Greg. Calendar

DECEMBER 1723

00:00 UT

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

Delta T = 10.57 sec

Greg. Calendar