



Astrodienst Ephemeris Tables for the year 1623

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 1623

geocentric

JANUARY 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 41 6	10°34'34"	8°31'16"	17°41'17"	27°23'27"	8°45'18"	26°07'26"	3°12'03"	11°19'11"	18°13'18"	13°29'13"	7°56'17"	6°38'13"	13°19'13"	10°12'10"	S 1
M 2	6 45 3	11°25'46"	22°39'22"	18°26'18"	28°39'28"	8°45'18"	25°59'25"	3°07'30"	11°16'11"	18°14'18"	13°28'13"	7°46'17"	6°34'13"	13°25'13"	10°15'10"	M 2
T 3	6 49 0	12°26'57"	6°42'19"	19°15'19"	29°54'29"	9°22'19"	25°52'25"	3°03'03"	11°14'11"	18°14'18"	13°28'13"	7°35'17"	6°31'13"	13°32'13"	10°17'10"	T 3
W 4	6 52 56	13°28'08"	20°22'20"	20°09'10"	1°39'13"	9°58'25"	25°44'25"	2°58'11"	11°12'11"	18°15'18"	13°27'13"	7°24'17"	6°28'13"	13°38'13"	10°19'10"	W 4
T 5	6 56 53	14°29'19"	3°37'21"	21°06'21"	2°25'10"	10°35'25"	25°36'25"	2°54'11"	11°10'11"	18°16'18"	13°27'13"	7°15'17"	6°25'13"	13°45'13"	10°22'10"	T 5
F 6	7 0 49	15°30'29"	16°26'22"	22°07'23"	3°40'11"	11°11'25"	25°29'25"	2°49'11"	11°08'18"	18°16'18"	13°26'13"	7°09'17"	6°22'13"	13°52'13"	10°24'10"	F 6
S 7	7 4 46	16°31'38"	28°53'23"	23°10'45"	4°56'11"	11°48'25"	25°21'25"	2°45'11"	11°05'18"	18°16'18"	13°26'13"	7°05'17"	6°18'13"	13°58'13"	10°27'10"	S 7
S 8	7 8 42	17°32'47"	11°02'24"	24°17'06"	6°11'12"	12°24'25"	25°13'25"	2°40'11"	11°03'18"	18°17'13"	13°25'13"	7°03'17"	6°15'14"	14°05'10"	10°30'10"	S 8
M 9	7 12 39	18°33'55"	22°58'25"	25°25'13"	7°26'13"	13°00'25"	25°05'25"	2°35'11"	11°01'18"	18°17'13"	13°25'13"	7°03'17"	6°12'14"	14°12'10"	10°32'10"	M 9
T 10	7 16 35	19°35'02"	4°47'26"	26°36'08"	8°42'13"	13°36'24"	24°57'23"	2°31'10"	10°58'18"	18°18'13"	13°25'13"	7°04'17"	6°09'14"	14°18'10"	10°35'10"	T 10
W 11	7 20 32	20°36'09"	16°34'27"	27°48'09"	9°57'14"	14°13'24"	24°49'22"	2°26'10"	10°56'18"	18°18'13"	13°24'13"	7°03'17"	6°06'14"	14°25'10"	10°38'10"	W 11
T 12	7 24 29	21°37'15"	28°24'29"	29°03'11"	11°12'14"	14°49'24"	24°41'22"	2°21'10"	10°53'18"	18°18'13"	13°24'13"	7°01'17"	6°03'14"	14°32'10"	10°40'10"	T 12
F 13	7 28 25	22°38'20"	10°22'00"	12°28'15"	12°28'15"	15°25'24"	24°33'21"	2°16'10"	10°51'18"	18°18'13"	13°24'13"	6°57'17"	5°59'14"	14°38'10"	10°43'10"	F 13
S 14	7 32 22	23°39'24"	22°33'13"	1°36'13"	13°43'16"	1°16'24"	24°25'20"	2°11'10"	10°49'18"	18°19'13"	13°23'13"	6°49'17"	5°56'14"	14°45'10"	10°46'10"	S 14
S 15	7 36 18	24°40'28"	4°57'25"	2°55'14"	14°58'16"	16°37'24"	24°17'2°	2°07'10"	10°46'18"	18°19'13"	13°23'13"	6°39'17"	5°53'14"	14°52'10"	10°49'10"	S 15
M 16	7 40 15	25°41'31"	17°37'4°	4°15'16"	16°14'17"	17°13'24"	24°09'2°	2°02'10"	10°44'18"	18°19'13"	13°23'13"	6°27'17"	5°50'14"	14°58'10"	10°52'10"	M 16
T 17	7 44 11	26°42'33"	0°33'5°	5°36'17"	17°29'17"	17°49'24"	24°01'1°	1°57'10"	10°41'18"	18°19'13"	13°23'13"	6°13'17"	5°47'15"	15°05'10"	10°55'10"	T 17
W 18	7 48 8	27°43'34"	13°43'6°	6°58'18"	18°44'18"	18°25'23"	23°53'1°	1°52'10"	10°39'18"	18°19'13"	13°22'13"	6°00'17"	5°44'15"	15°12'10"	10°58'10"	W 18
T 19	7 52 4	28°44'35"	27°07'8°	8°22'20"	20°00'19"	1°23°45'	23°45'1°	1°47'10"	10°36'18"	18°19'13"	13°22'13"	5°48'17"	5°40'15"	15°18'10"	11°00'10"	T 19
F 20	7 56 1	29°45'34"	10°40'9°	9°46'21"	21°15'19"	19°37'23"	23°37'1°	1°42'10"	10°34'18"	18°19'13"	13°22'13"	5°38'17"	5°37'15"	15°25'10"	11°04'10"	F 20
S 21	7 59 58	0°46'33"	24°23'11"	11°11'22"	23°30'20"	20°13'23"	23°29'1°	1°37'10"	10°31'18"	18°19'13"	13°22'13"	5°31'17"	5°34'15"	15°31'10"	11°07'10"	S 21
S 22	8 3 54	1°47'32"	8°12'12°	12°37'23°	23°46'20°	24°48'23°	23°21'1°	1°32'10"	10°28'18"	18°19'13"	13°22'13"	5°28'17"	5°31'15"	15°38'10"	11°10'10"	S 22
M 23	8 7 51	2°48'30"	22°08'14°	4°25'1°	21°24'23°	23°13'1°	23°13'1°	1°27'10"	10°26'18"	18°19'13"	13°22'13"	5°26'17"	5°28'15"	15°45'10"	11°13'10"	M 23
T 24	8 11 47	3°49'27"	6°11'15°	15°32'26°	16°22°	22°00'23°	23°05'1°	1°22'10"	10°23'18"	18°19'13"	13°22'13"	5°26'17"	5°24'15"	15°51'10"	11°16'10"	T 24
W 25	8 15 44	4°50'24"	20°16'17°	0°27°32'	22°35'22°	22°57'1°	22°57'1°	1°18'10"	10°21'18"	18°19'13"	13°21'13"	5°26'17"	5°21'15"	15°58'10"	11°20'10"	W 25
T 26	8 19 40	5°51'20"	4°27'18°	30'28°47'	23°11'22°	22°50'1°	22°50'1°	1°13'10"	10°18'18"	18°18'13"	13°21'13"	5°24'17"	5°18'16°	16°05'11°	11°23'10"	T 26
F 27	8 23 37	6°52'15"	18°41'20°	0°20°00°	23°47'22°	22°42'1°	22°42'1°	1°08'10"	10°15'18"	18°18'13"	13°21'13"	5°19'17"	5°15'16°	16°11'11°	11°26'10"	F 27
S 28	8 27 33	7°53'09"	2°54'21°	31'1°18'	24°22'22°	22°34'1°	22°34'1°	1°03'10"	10°13'18"	18°18'13"	13°21'13"	5°12'17"	5°12'16°	16°18'11°	11°29'10"	S 28
S 29	8 31 30	8°54'03"	17°02'23°	2°23'24°	24°58'22°	22°27'0°	22°27'0°	0°58'10"	10°10'18"	18°18'13"	13°21'13"	5°02'17"	5°09'16°	16°25'11°	11°33'10"	S 29
M 30	8 35 27	9°54'55"	1°44'24°	35'3°48'	25°33'22°	22°20'0°	22°20'0°	0°53'10"	10°07'18"	18°17'13"	13°22'13"	4°49'17"	5°05'16°	16°31'11°	11°36'10"	M 30
T 31	8 39 23	10°55'46"	14°50'26°	38'5°33'	26°11'22°	22°12'0°	22°12'0°	0°48'10"	10°05'18"	18°17'13"	13°22'13"	4°46'17"	5°02'16°	16°38'11°	11°40'10"	T 31

Delta T = 63.84 sec

Greg. Calendar

FEBRUARY 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 43 20	11°56'36	28°18'27	34'16	6°19'26	11°44'26	22°05'22	0°44'00	10°02'18	18°16'18	13°22'13	4°24'17	4°15'13	16°45'16	11°43'11	W 1
T 2	8 47 16	12°57'24	11°25'29	16'7°34	27°19'21	21°58'21	21°58'21	0°39'10	10°00'18	18°16'18	13°22'13	4°13'17	4°05'16	16°51'11	11°46'10	T 2
F 3	8 51 13	13°58'11	24°11'0°	52'8°49	27°54'27	21°51'21	21°51'21	0°34'9°	9°57'18	18°16'18	13°22'13	4°04'17	4°03'16	16°58'11	11°50'10	F 3
S 4	8 55 9	14°58'57	6°38'2°	28'10°04	28°29'21	21°44'21	21°44'21	0°29'9°	9°54'18	18°15'13	13°22'13	3°59'17	4°49'17	17°05'11	11°53'10	S 4
S 5	8 59 6	15°59'41	18°48'4°	5°11°20	29°04'21	21°37'21	21°37'21	0°25'9°	9°52'18	18°14'13	13°22'13	3°56'17	4°46'17	17°11'11	11°57'10	S 5
M 6	9 3 2	17°00'23	0°45'5°	43'12°35	29°39'21	21°31'21	21°31'21	0°20'9°	9°49'18	18°14'13	13°22'13	3°55'17	4°43'17	17°18'12	12°00'10	M 6
T 7	9 6 59	18°01'04	12°35'7°	21°13°50	0°14'21	21°24'21	21°24'21	0°15'9°	9°47'18	18°13'13	13°23'13	3°55'17	4°40'17	17°24'12	12°04'10	T 7
W 8	9 10 56	19°01'43	24°22'9°	1°15°05	0°49'21	21°18'21	21°18'21	0°11'9°	9°44'18	18°13'13	13°23'13	3°55'17	4°37'17	17°31'12	12°07'10	W 8
T 9	9 14 52	20°02'21	6°14'10°	41'16°20	1°24'21	21°11'21	21°11'21	0°06'9°	9°41'18	18°12'13	13°23'13	3°54'17	4°34'17	17°38'12	12°11'10	T 9
F 10	9 18 49	21°02'57	18°14'12°	22'17°35	1°58'21	21°05'21	21°05'21	0°02'9°	9°39'18	18°11'13	13°24'13	3°50'17	4°30'17	17°44'12	12°15'10	F 10
S 11	9 22 45	22°03'31	0°28'14°	4°18°51	2°33'20	20°59'20	20°59'20	29°58'29	9°36'18	18°11'13	13°24'13	3°44'17	4°27'17	17°51'12	12°18'10	S 11
S 12	9 26 42	23°04'03	12°59'15°	47'20°06	3°08'20	20°53'20	20°53'20	29°53'29	9°34'18	18°10'13	13°24'13	3°36'17	4°24'17	17°58'12	12°22'10	S 12
M 13	9 30 38	24°04'33	25°50'17°	31'21°21	3°42'20	20°48'20	20°48'20	29°49'29	9°31'18	18°09'13	13°25'13	3°25'17	4°21'18	18°04'12	12°26'10	M 13
T 14	9 34 35	25°05'02	9°11'19°	16'22°36	4°17'20	20°42'20	20°42'20	29°45'29	9°29'18	18°08'13	13°25'13	3°14'17	4°18'18	18°11'12	12°29'10	T 14
W 15	9 38 31	26°05'29	22°32'21°	2°23°51	4°51'20	20°37'20	20°37'20	29°41'29	9°26'18	18°07'13	13°25'13	3°02'17	4°15'18	18°18'12	12°33'10	W 15
T 16	9 42 28	27°05'54	6°12'22°	48'25°06	5°25'20	20°32'20	20°32'20	29°37'29	9°24'18	18°07'13	13°26'13	2°51'17	4°11'18	18°24'12	12°37'10	T 16
F 17	9 46 25	28°06'18	20°21'24°	36'26°21	6°00'20	20°26'20	20°26'20	29°33'29	9°21'18	18°06'13	13°26'13	2°43'17	4°08'18	18°31'12	12°40'10	F 17
S 18	9 50 21	29°06'40	4°30'26°	24'27°36	6°34'20	20°22'20	20°22'20	29°29'29	9°19'18	18°05'13	13°27'13	2°37'17	4°05'18	18°38'12	12°44'10	S 18
S 19	9 54 18	0°7'01	18°42'28°	14'28°51	7°08'20	20°17'20	20°17'20	29°25'29	9°16'18	18°04'13	13°27'13	2°34'17	4°02'18	18°44'12	12°48'10	S 19
M 20	9 58 14	1°07'20	2°11'56°	0°4°00	7°42'20	20°12'20	20°12'20	29°21'29	9°14'18	18°03'13	13°28'13	2°33'17	3°59'18	18°51'12	12°52'10	M 20
T 21	10 2 11	2°07'38	17°07'1°	55'1°21	8°16'20	20°08'20	20°08'20	29°17'29	9°12'18	18°02'13	13°28'13	2°34'17	3°55'18	18°58'12	12°55'10	T 21
W 22	10 6 7	3°07'54	1°11'3°	48'2°36	8°50'20	20°04'20	20°04'20	29°13'29	9°09'18	18°01'13	13°29'13	2°34'17	3°52'19	19°04'12	12°59'10	W 22
T 23	10 10 4	4°08'09	15°18'5°	41'3°51	9°23'20	20°00'20	20°00'20	29°10'29	9°07'18	18°00'13	13°29'13	2°34'17	3°49'19	19°11'13	13°00'10	T 23
F 24	10 14 0	5°08'23	29°16'7°	34'5°06	9°57'19	19°56'19	19°56'19	29°06'29	9°05'17	17°59'13	13°30'13	2°31'17	3°46'19	19°18'13	13°07'10	F 24
S 25	10 17 57	6°08'35	13°36'9°	9°29'6°	6°21'10	10°31'19	19°52'29	29°03'9	9°03'17	17°58'13	13°30'13	2°26'17	3°43'19	19°24'13	13°11'10	S 25
S 26	10 21 54	7°08'45	26°49'11	24'11°24	7°36'8	11°04'19	19°48'29	29°00'9	9°00'17	17°56'13	13°31'13	2°19'17	3°40'19	19°31'13	13°14'10	S 26
M 27	10 25 50	8°08'54	10°22'13	20'13°20	8°51'11	11°38'19	19°45'28	28°56'8	8°58'17	17°55'13	13°32'13	2°10'17	3°36'19	19°37'13	13°18'10	M 27
T 28	10 29 47	9°09'01	23°44'15	16'10°18	10°18'12	12°11'19	19°42'28	28°53'8	8°56'17	17°54'13	13°32'13	2°10'17	3°33'19	19°44'13	13°22'10	T 28

ASTRODIENST EPHEMERIS for the year 1623
geocentric

MARCH 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 33 43	10°06'	6°48'	17°12'	11°21'	12°44'	19°R39	28°R50	8°R54	17°R53	13°R33	1°R51	3°M30	19°R51	13°R26	W 1
T 2	10 37 40	11°09'	19°39'	19°08'	12°36'	13°17'	19°R36	28°R47	8°R52	17°R52	13°R34	1°M43	3°27'	19°57'	13°R30	T 2
F 3	10 41 36	12°09'	2°Y13	21°05'	13°51'	13°50'	19°34'	28°44'	8°50'	17°50'	13°34'	1°37'	3°24'	20°04'	13°R33	F 3
S 4	10 45 33	13°09'	14°33'	23°00'	15°06'	14°23'	19°31'	28°41'	8°48'	17°49'	13°35'	1°33'	3°21'	20°11'	13°R37	S 4
S 5	10 49 29	14°07'	26°39'	24°55'	16°21'	14°56'	19°29'	28°39'	8°46'	17°48'	13°36'	1°D31	3°17'	20°17'	13°R41	S 5
M 6	10 53 26	15°02'	8°R35	26°49'	17°35'	15°29'	19°27'	28°36'	8°44'	17°47'	13°37'	1°31'	3°14'	20°24'	13°R45	M 6
T 7	10 57 22	16°05'	20°24'	28°42'	18°50'	16°01'	19°25'	28°33'	8°42'	17°45'	13°37'	1°33'	3°11'	20°31'	13°R49	T 7
W 8	11 1 19	17°08'	2°II12	0°Y32	20°05'	16°34'	19°24'	28°31'	8°40'	17°44'	13°38'	1°34'	3°08'	20°37'	13°R52	W 8
T 9	11 5 16	18°08'	14°03'	2°21'	21°20'	17°06'	19°22'	28°29'	8°38'	17°43'	13°39'	1°R35	3°05'	20°44'	13°R56	T 9
F 10	11 9 12	19°08'	8°R20	2°03'	4°06'	22°34'	17°38'	19°21'	28°27'	8°36'	17°41'	1°35'	3°01'	20°51'	14°00'	F 10
S 11	11 13 9	20°08'	8°R17	5°48'	23°49'	18°10'	19°20'	28°24'	8°34'	17°40'	13°41'	1°33'	2°58'	20°57'	14°04'	S 11
S 12	11 17 5	21°07'	20°49'	7°27'	25°04'	18°42'	19°19'	28°22'	8°33'	17°38'	13°42'	1°29'	2°55'	21°04'	14°08'	S 12
M13	11 21 2	22°07'	3°R43	9°02'	26°19'	19°14'	19°18'	28°20'	8°31'	17°37'	13°43'	1°24'	2°52'	21°11'	14°11'	M13
T 14	11 24 58	23°07'	17°00'	10°32'	27°33'	19°46'	19°18'	28°19'	8°29'	17°35'	13°43'	1°18'	2°49'	21°17'	14°15'	T 14
W15	11 28 55	24°06'	0°M42	11°56'	28°48'	20°17'	19°18'	28°17'	8°28'	17°34'	13°44'	1°12'	2°46'	21°24'	14°19'	W15
T 16	11 32 51	25°06'	14°46'	13°16'	0°Y3	20°49'	19°D18	28°15'	8°26'	17°33'	13°45'	1°06'	2°42'	21°31'	14°23'	T 16
F 17	11 36 48	26°04'	29°08'	14°29'	1°17'	21°20'	19°18'	28°14'	8°25'	17°31'	13°46'	1°02'	2°39'	21°37'	14°26'	F 17
S 18	11 40 45	27°08'	13°R43	15°36'	2°32'	21°51'	19°18'	28°12'	8°23'	17°30'	13°47'	0°59'	2°36'	21°44'	14°30'	S 18
S 19	11 44 41	28°06'	28°23'	16°36'	3°46'	22°22'	19°19'	28°11'	8°22'	17°28'	13°48'	0°D58	2°33'	21°50'	14°34'	S 19
M20	11 48 38	29°06'	13°M2	17°30'	5°01'	22°53'	19°19'	28°10'	8°20'	17°26'	13°49'	0°58'	2°30'	21°57'	14°38'	M20
T 21	11 52 34	0°Y324	27°35'	18°16'	6°15'	23°24'	19°20'	28°09'	8°19'	17°25'	13°50'	1°00'	2°26'	22°04'	14°41'	T 21
W22	11 56 31	1°04'	11°R58	18°55'	7°30'	23°54'	19°21'	28°08'	8°18'	17°23'	13°51'	1°01'	2°23'	22°10'	14°45'	W22
T 23	12 0 27	2°05'	26°07'	19°27'	8°44'	24°25'	19°22'	28°07'	8°16'	17°22'	13°52'	1°R2	2°20'	22°17'	14°49'	T 23
F 24	12 4 24	3°12'	10°R2	19°51'	9°59'	24°55'	19°24'	28°06'	8°15'	17°20'	13°53'	1°02'	2°17'	22°24'	14°52'	F 24
S 25	12 8 20	4°09'	23°42'	20°08'	11°13'	25°25'	19°26'	28°06'	8°14'	17°19'	13°54'	1°01'	2°14'	22°30'	14°56'	S 25
S 26	12 12 17	4°59'53	7°R7	20°17'	12°28'	25°55'	19°27'	28°05'	8°13'	17°17'	13°55'	0°58'	2°11'	22°37'	15°00'	S 26
M27	12 16 14	5°59'06	20°17'	20°R19	13°42'	26°25'	19°29'	28°05'	8°12'	17°15'	13°57'	0°55'	2°07'	22°44'	15°03'	M27
T 28	12 20 10	6°58'16	3°R14	20°14'	14°56'	26°54'	19°32'	28°04'	8°11'	17°14'	13°58'	0°51'	2°04'	22°50'	15°07'	T 28
W29	12 24 7	7°57'25	15°57'	20°02'	16°11'	27°24'	19°34'	28°04'	8°10'	17°12'	13°59'	0°47'	2°01'	22°57'	15°11'	W29
T 30	12 28 3	8°56'31	28°28'	19°44'	17°25'	27°53'	19°37'	28°D4	8°09'	17°11'	14°00'	0°44'	1°58'	23°04'	15°14'	T 30
F 31	12 32 0	9°Y55'36	10°Y46	19°Y20	18°Y40	28°Y22	19°R39	28°R4	8°R8	17°R9	14°R1	0°M42	1°M55	23°R10	15°R18	F 31

Delta T = 63.70 sec

Greg. Calendar

APRIL 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 56	10°Y54'38	22°Y54	18°R50	19°Y54	28°Y50	19°R42	28°R4	8°R7	17°R7	14°R2	0°R41	1°M52	23°R17	15°R21	S 1
S 2	12 39 53	11°53'39	4°R54	18°Y16	21°08'	29°19'	19°45'	28°04'	8°R7	17°R6	14°03'	0°D41	1°48'	23°24'	15°25'	S 2
M 3	12 43 49	12°52'37	16°46'	17°38'	22°22'	29°47'	19°49'	28°05'	8°06'	17°04'	14°05'	0°M41	1°45'	23°30'	15°28'	M 3
T 4	12 47 46	13°51'33	28°34'	16°56'	23°37'	0°R15	19°52'	28°05'	8°05'	17°02'	14°06'	0°42'	1°42'	23°37'	15°32'	T 4
W 5	12 51 42	14°50'27	10°II22	16°13'	24°51'	0°43'	19°56'	28°06'	8°05'	17°01'	14°07'	0°44'	1°39'	23°44'	15°35'	W 5
T 6	12 55 39	15°49'19	22°14'	15°28'	26°05'	1°11'	20°00'	28°07'	8°04'	16°59'	14°08'	0°45'	1°36'	23°50'	15°38'	T 6
F 7	12 59 36	16°48'09	4°R13	14°42'	27°19'	1°38'	20°04'	28°07'	8°04'	16°57'	14°09'	0°46'	1°32'	23°57'	15°42'	F 7
S 8	13 3 32	17°46'56	16°25'	13°57'	28°33'	2°06'	20°08'	28°08'	8°03'	16°56'	14°11'	0°R47	1°29'	24°04'	15°45'	S 8
S 9	13 7 29	18°45'41	28°54'	13°12'	29°47'	2°33'	20°12'	28°09'	8°03'	16°54'	14°12'	0°46'	1°26'	24°10'	15°49'	S 9
M10	13 11 25	19°44'24	11°R44	12°30'	1°R2	2°59'	20°17'	28°10'	8°02'	16°53'	14°13'	0°46'	1°23'	24°17'	15°52'	M10
T 11	13 15 22	20°43'04	24°59'	11°50'	2°16'	3°26'	20°21'	28°12'	8°02'	16°51'	14°14'	0°45'	1°20'	24°24'	15°55'	T 11
W12	13 19 18	21°41'42	8°M41	11°14'	3°30'	3°52'	20°26'	28°13'	8°02'	16°49'	14°16'	0°43'	1°17'	24°30'	15°58'	W12
T 13	13 23 15	22°40'18	22°48'	10°41'	4°44'	4°18'	20°31'	28°14'	8°02'	16°48'	14°17'	0°42'	1°13'	24°37'	16°02'	T 13
F 14	13 27 11	23°38'52	7°R19	10°13'	5°58'	4°44'	20°36'	28°16'	8°02'	16°46'	14°18'	0°42'	1°10'	24°43'	16°05'	F 14
S 15	13 31 8	24°37'24	22°08'	9°49'	7°12'	5°09'	20°41'	28°18'	8°02'	16°44'	14°19'	0°41'	1°07'	24°50'	16°08'	S 15
S 16	13 35 5	25°35'54	7°M8	9°29'	8°26'	5°34'	20°47'	28°19'	8°D2	16°43'	14°21'	0°D41	1°04'	24°57'	16°11'	S 16
M17	13 39 1	26°34'22	22°10'	9°15'	9°39'	5°59'	20°53'	28°21'	8°02'	16°41'	14°22'	0°42'	1°01'	25°03'	16°14'	M17
T 18	13 42 58	27°32'48	7°R7	9°05'	10°53'	6°24'	20°58'	28°23'	8°02'	16°40'	14°23'	0°42'	0°57'	25°10'	16°17'	T 18
W19	13 46 54	28°31'13	21°51'	9°D1	12°07'	6°48'	21°04'	28°25'	8°02'	16°38'	14°25'	0°42'	0°54'	25°17'	16°20'	W19
T 20	13 50 51	29°29'36	6°R16	9°01'	13°21'	7°12'	21°10'	28°27'	8°02'	16°36'	14°26'	0°42'	0°51'	25°23'	16°23'	T 20
F 21	13 54 47	0°R27'58	20°19'	9°07'	14°35'	7°36'	21°16'	28°30'	8°02'	16°35'	14°27'	0°42'	0°48'	25°30'	16°26'	F 21
S 22	13 58 44	1°26'18	4°R0	9°17'	15°49'	7°59'	21°23'	28°32'	8°03'	16°33'	14°29'	0°42'	0°45'	25°37'	16°29'	S 22
S 23	14 2 40	2°24'36	17°18'	9°33'	17°02'	8°22'	21°29'	28°34'	8°03'	16°32'	14°30'	0°42'	0°42'	25°43'	16°32'	S 23
M24	14 6 37	3°22'53	0°R17	9°52'	18°16'	8°45'	21°36'	28°37'	8°04'	16°30'	14°31'	0°43'	0°38'	25°50'	16°35'	M24
T 25	14 10 34	4°21'09	12°59'	10°17'	19°30'	9°07'	21°43'	28°40'	8°04'	16°28'	14°33'	0°43'	0°35'	25°57'	16°38'	T 25
W26	14 14 30	5°19'22	25°25'	10°45'	20°44'	9°29'	21°50'	28°42'	8°05'	16°27'	14°34'	0°43'	0°32'	26°03'	16°41'	W26
T 27	14 18 27	6°17'35	7°Y39	11°18'	21°57'	9°50'	21°57'	28°45'	8°05'	16°25'	14°35'	0°44'	0°29'	26°10'	16°43'	T 27
F 28	14 22 23	7°15'45	19°44'	11°55'	23°11'	10°12'	22°04'	28°48'	8°06'	16°24'	14°37'	0°44'	0°26'	26°17'	16°46'	F 28
S 29	14 26 20	8°13'54	1°R41	12°35'	24°25'	10°32'	22°11'	28°51'	8°06'	16°22'	14°38'	0°R44	0°23'	26°23'	16°49'	S 29
S 30	14 30 16	9°R12'01	13°R33	13°Y19	25°R38	10°R53	22°R19	28°R54	8°R7	16°R21	14°R39	0°M44	0°M19	26°R30	16°R51	S 30

Delta T = 63.62 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1623

geocentric

MAY 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 34 13	10°8'07"	25°8'22"	14°7'7"	26°8'52"	11°3'13"	22°26'26"	28°58'58"	8°8'8"	16°R19	14°8'41"	0°R43	0°M16	26°8'37"	16°8'54"	M 1
T 2	14 38 9	11°8'11"	7°II10	14°58'	28°5'	11°32'	22°34'	29°1'	8°9'	16°18	14°42'	0°M42	0°13'	26°43'	16°57'	T 2
W 3	14 42 6	12°6'13"	18°59'	15°53'	29°19'	11°51'	22°42'	29°5'	8°10'	16°16'	14°43'	0°41'	0°10'	26°50'	16°59'	W 3
T 4	14 46 3	13°4'14"	0°53'	16°50'	0°II32	12°10'	22°50'	29°8'	8°11'	16°15'	14°45'	0°39'	0°7'	26°57'	17°2'	T 4
F 5	14 49 59	14°2'12"	12°55'	17°51'	1°46'	12°28'	22°58'	29°12'	8°12'	16°14'	14°46'	0°37'	0°3'	27°3'	17°4'	F 5
S 6	14 53 56	15°0'09"	25°8'	18°54'	2°59'	12°46'	23°6'	29°15'	8°13'	16°12'	14°47'	0°36'	0°0'	27°10'	17°6'	S 6
S 7	14 57 52	15°58'04"	7°II35	20°0'	4°13'	13°3'	23°15'	29°19'	8°14'	16°11'	14°49'	0°35'	29°57'	27°17'	17°9'	S 7
M 8	15 1 149	16°55'57"	20°21'	21°10'	5°26'	13°20'	23°23'	29°23'	8°15'	16°9'	14°50'	0°D35	29°54'	27°23'	17°11'	M 8
T 9	15 5 45	17°53'49"	3°II30	22°21'	6°40'	13°36'	23°32'	29°27'	8°16'	16°8'	14°51'	0°35'	29°51'	27°30'	17°13'	T 9
W10	15 9 42	18°51'38"	17°3'	23°36'	7°53'	13°52'	23°40'	29°31'	8°17'	16°7'	14°53'	0°36'	29°48'	27°37'	17°16'	W10
T 11	15 13 38	19°49'26"	1°3'	24°52'	9°6'	14°7'	23°49'	29°35'	8°19'	16°5'	14°54'	0°38'	29°44'	27°43'	17°18'	T 11
F 12	15 17 35	20°47'12"	15°29'	26°12'	10°20'	14°22'	23°58'	29°40'	8°20'	16°4'	14°56'	0°39'	29°41'	27°50'	17°20'	F 12
S 13	15 21 32	21°44'57"	0°M18	27°34'	11°33'	14°36'	24°7'	29°44'	8°22'	16°3'	14°57'	0°R39	29°38'	27°57'	17°22'	S 13
S 14	15 25 28	22°42'40"	15°23'	28°58'	12°46'	14°50'	24°16'	29°48'	8°23'	16°2'	14°58'	0°39'	29°35'	28°3'	17°24'	S 14
M15	15 29 25	23°40'21"	0°X37	0°8'25	13°59'	15°3'	24°25'	29°53'	8°25'	16°0'	15°0'	0°37'	29°32'	28°10'	17°26'	M15
T 16	15 33 21	24°38'02"	15°49'	1°54'	15°12'	15°16'	24°35'	29°57'	8°26'	15°59'	15°1'	0°35'	29°29'	28°17'	17°28'	T 16
W17	15 37 18	25°35'41"	0°349	3°25'	16°26'	15°28'	24°44'	0°II2	8°28'	15°58'	15°2'	0°31'	29°25'	28°23'	17°30'	W17
T 18	15 41 14	26°33'19"	15°30'	4°58'	17°39'	15°39'	24°54'	0°7'	8°29'	15°57'	15°4'	0°28'	29°22'	28°30'	17°32'	T 18
F 19	15 45 11	27°30'56"	29°47'	6°34'	18°52'	15°50'	25°3'	0°12'	8°31'	15°56'	15°5'	0°25'	29°19'	28°37'	17°34'	F 19
S 20	15 49 7	28°28'32"	13°35	8°13'	20°5'	16°0'	25°13'	0°16'	8°33'	15°55'	15°6'	0°23'	29°16'	28°43'	17°35'	S 20
S 21	15 53 4	29°26'08"	26°57'	9°53'	21°18'	16°10'	25°23'	0°21'	8°35'	15°53'	15°8'	0°D22	29°13'	28°50'	17°37'	S 21
M22	15 57 1	0°II23'42"	9°X53	11°36'	22°31'	16°19'	25°33'	0°26'	8°36'	15°52'	15°9'	0°22'	29°9'	28°57'	17°39'	M22
T 23	16 0 57	1°21'15"	22°28'	13°21'	23°44'	16°27'	25°43'	0°32'	8°38'	15°51'	15°10'	0°24'	29°6'	29°3'	17°40'	T 23
W24	16 4 54	2°18'47"	4°Y46	15°9'	24°57'	16°35'	25°53'	0°37'	8°40'	15°50'	15°12'	0°25'	29°3'	29°10'	17°42'	W24
T 25	16 8 50	3°16'19"	16°50'	16°58'	26°10'	16°42'	26°3'	0°42'	8°42'	15°49'	15°13'	0°27'	29°0'	29°17'	17°43'	T 25
F 26	16 12 47	4°13'50"	28°46'	18°50'	27°23'	16°48'	26°14'	0°47'	8°44'	15°48'	15°14'	0°R28	28°57'	29°23'	17°45'	F 26
S 27	16 16 43	5°11'20"	10°36	20°44'	28°36'	16°54'	26°24'	0°53'	8°46'	15°47'	15°15'	0°27'	28°54'	29°30'	17°46'	S 27
S 28	16 20 40	6°8'48"	22°24'	22°41'	29°49'	16°59'	26°35'	0°58'	8°48'	15°47'	15°17'	0°25'	28°50'	29°37'	17°47'	S 28
M29	16 24 36	7°6'17"	4°II12	24°39'	1°1'	17°3'	26°45'	1°4'	8°51'	15°46'	15°18'	0°21'	28°47'	29°43'	17°49'	M29
T 30	16 28 33	8°3'44"	16°2'	26°40'	2°14'	17°6'	26°56'	1°9'	8°53'	15°45'	15°19'	0°16'	28°44'	29°50'	17°50'	T 30
W31	16 32 30	9°II1'10"	27°II57	28°8'42"	3°527	17°3'9"	27°5'7"	1°II15	8°55'	15°44'	15°20'	0°M9	28°41'	29°57'	17°51'	W31

Delta T = 63.55 sec

Greg. Calendar

JUNE 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 26	9°II58'35"	9°57'	0°II47	4°540	17°3'11"	27°5'17"	1°II21	8°57'	15°R43	15°8'22"	0°R55	28°38'	0°II3	17°X52	T 1
F 2	16 40 23	10°55'59"	22°6'	2°53'	5°53'	17°12'	27°28'	1°27'	9°0'	15°442	15°23'	29°55'	28°35'	0°10'	17°53'	F 2
S 3	16 44 19	11°53'22"	4°II25	5°0'	7°5'	17°R12	27°39'	1°32'	9°2'	15°42'	15°24'	29°49'	28°31'	0°17'	17°54'	S 3
S 4	16 48 16	12°50'44"	16°56'	7°9'	8°18'	17°12'	27°50'	1°38'	9°4'	15°41'	15°25'	29°44'	28°28'	0°23'	17°55'	S 4
M 5	16 52 12	13°48'05"	29°42'	9°19'	9°31'	17°11'	28°1'	1°44'	9°7'	15°40'	15°27'	29°41'	28°25'	0°30'	17°56'	M 5
T 6	16 56 9	14°45'25"	12°II47	11°30'	10°43'	17°9'	28°13'	1°50'	9°9'	15°39'	15°28'	29°D40	28°22'	0°37'	17°57'	T 6
W 7	17 0 5	15°42'44"	26°13'	13°41'	11°56'	17°7'	28°24'	1°56'	9°12'	15°39'	15°29'	29°40'	28°19'	0°43'	17°58'	W 7
T 8	17 4 2	16°40'02"	10°II3	15°53'	13°8'	17°4'	28°35'	2°3'	9°14'	15°38'	15°30'	29°42'	28°15'	0°50'	17°59'	T 8
F 9	17 7 59	17°37'19"	24°16'	18°5'	14°21'	17°0'	28°47'	2°9'	9°17'	15°38'	15°31'	29°R42	28°12'	0°57'	17°59'	F 9
S 10	17 11 55	18°34'35"	8°II53	20°17'	15°33'	16°55'	28°58'	2°15'	9°20'	15°37'	15°33'	29°42'	28°9'	1°3'	18°0'	S 10
S 11	17 15 52	19°31'51"	23°49'	22°28'	16°46'	16°50'	29°10'	2°21'	9°22'	15°37'	15°34'	29°40'	28°6'	1°10'	18°1'	S 11
M12	17 19 48	20°29'05"	8°X57	24°39'	17°58'	16°43'	29°21'	2°28'	9°25'	15°36'	15°35'	29°36'	28°3'	1°17'	18°1'	M12
T 13	17 23 45	21°26'20"	24°9'	26°48'	19°10'	16°37'	29°33'	2°34'	9°28'	15°36'	15°36'	29°30'	28°0'	1°23'	18°2'	T 13
W14	17 27 41	22°23'33"	9°314	28°57'	20°23'	16°29'	29°44'	2°41'	9°31'	15°35'	15°37'	29°22'	27°56'	1°30'	18°2'	W14
T 15	17 31 38	23°20'47"	24°3'	1°5'4	21°35'	16°21'	29°56'	2°47'	9°33'	15°35'	15°38'	29°14'	27°53'	1°37'	18°3'	T 15
F 16	17 35 34	24°18'00"	8°327	3°10'	22°47'	16°12'	0°II8	2°54'	9°36'	15°34'	15°39'	29°7'	27°50'	1°43'	18°3'	F 16
S 17	17 39 31	25°15'12"	22°24'	5°13'	23°59'	16°2'	0°20'	3°0'	9°39'	15°34'	15°41'	29°1'	27°47'	1°50'	18°3'	S 17
S 18	17 43 28	26°12'25"	5°X51	7°16'	25°11'	15°51'	0°32'	3°7'	9°42'	15°34'	15°42'	28°57'	27°44'	1°57'	18°3'	S 18
M19	17 47 24	27°9'37"	18°50'	9°16'	26°24'	15°40'	0°44'	3°14'	9°45'	15°33'	15°43'	28°55'	27°41'	2°3'	18°4'	M19
T 20	17 51 21	28°6'50"	1°Y25	11°14'	27°36'	15°29'	0°56'	3°21'	9°48'	15°33'	15°44'	28°D55	27°37'	2°10'	18°4'	T 20
W21	17 55 17	29°4'02"	13°41'	13°10'	28°48'	15°16'	1°8'	3°27'	9°51'	15°33'	15°45'	28°55'	27°34'	2°17'	18°R4	W21
T 22	17 59 14	0°5'1'15"	25°43'	15°5'	29°59'	15°3'	1°20'	3°34'	9°54'	15°33'	15°46'	28°R56	27°31'	2°23'	18°4'	T 22
F 23	18 3 10	0°58'27"	7°35	16°57'	1°II12	14°50'	1°32'	3°41'	9°57'	15°33'	15°47'	28°56'	27°28'	2°30'	18°4'	F 23
S 24	18 7 7	1°55'40"	19°23'	18°47'	2°24'	14°36'	1°45'	3°48'	10°0'	15°33'	15°48'	28°53'	27°25'	2°37'	18°3'	S 24
S 25	18 11 3	2°52'52"	1°II10	20°35'	3°36'	14°21'	1°57'	3°55'	10°3'	15°32'	15°49'	28°49'	27°21'	2°43'	18°3'	S 25
M26	18 15 0	3°50'05"	13°0'	22°21'	4°47'	14°6'	2°9'	4°2'	10°6'	15°32'	15°50'	28°42'	27°18'	2°50'	18°3'	M26
T 27	18 18 57	4°47'18"	24°56'	24°4'	5°59'	13°51'	2°22'	4°9'	10°10'	15°D32	15°51'	28°32'	27°15'	2°57'	18°3'	T 27
W28	18 22 53	5°44'30"	6°59	25°46'	7°11'	13°35'	2°34'	4°16'	10°13'	15°32'	15°52'	28°21'	27°12'	3°3'	18°2'	W28
T 29	18 26 50	6°41'43"	19°10'	27°25'	8°23'	13°19'	2°47'	4°23'	10°16'	15°32'	15°53'	28°9'	27°9'	3°10'	18°2'	T 29
F 30	18 30 46	7°38'56"	1°II31	29°5'3	9°II34	13°3'3	2°II59	4°II31	10°II19	15°32	15°54	27°57	27°6	3°II17	18°X2	F 30

Delta T = 63.47 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1623

geocentric

JULY 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 43	8°36'08	14°02	0°38	10°46	12°R46	3°12	4°38	10°23	15°33	15°54	27°R46	27°02	3°23	18°R 1	S 1
S 2	18 38 39	9°33'20	26°44	2°11	11°58	12°29	3°24	4°45	10°26	15°33	15°55	27°38	26°59	3°30	18°R 1	S 2
M 3	18 42 36	10°30'33	9°39	3°41	13° 9	12°12	3°37	4°52	10°29	15°33	15°56	27°32	26°56	3°37	18° 0	M 3
T 4	18 46 32	11°27'45	22°48	5°10	14°21	11°54	3°50	5° 0	10°33	15°33	15°57	27°28	26°53	3°43	17°59	T 4
W 5	18 50 29	12°24'57	6°13	6°36	15°32	11°37	4° 2	5° 7	10°36	15°33	15°58	27°27	26°50	3°50	17°58	W 5
T 6	18 54 26	13°22'09	19°55	8° 0	16°44	11°19	4°15	5°14	10°39	15°34	15°59	27°27	26°46	3°57	17°58	T 6
F 7	18 58 22	14°19'21	3°58	9°22	17°55	11° 2	4°28	5°22	10°43	15°34	15°59	27°27	26°43	4° 3	17°57	F 7
S 8	19 2 19	15°16'33	18°19	10°42	19° 6	10°45	4°41	5°29	10°46	15°34	16° 0	27°26	26°40	4°10	17°56	S 8
S 9	19 6 15	16°13'45	2°57	11°59	20°18	10°28	4°53	5°36	10°50	15°35	16° 1	27°22	26°37	4°17	17°55	S 9
M10	19 10 12	17°10'57	17°48	13°14	21°29	10°10	5° 6	5°44	10°53	15°35	16° 2	27°16	26°34	4°23	17°54	M10
T 11	19 14 8	18° 8'09	2°45	14°26	22°40	9°53	5°19	5°51	10°57	15°35	16° 2	27° 8	26°31	4°30	17°53	T 11
W12	19 18 5	19° 5'22	17°39	15°36	23°51	9°37	5°32	5°59	11° 0	15°36	16° 3	26°57	26°27	4°37	17°52	W12
T 13	19 22 1	20° 2'35	2°21	16°43	25° 2	9°20	5°45	6° 6	11° 4	15°36	16° 4	26°46	26°24	4°43	17°51	T 13
F 14	19 25 58	20°59'48	16°42	17°47	26°13	9° 4	5°58	6°14	11° 7	15°37	16° 5	26°36	26°21	4°50	17°50	F 14
S 15	19 29 55	21°57'03	0°39	18°49	27°24	8°49	6°11	6°21	11°11	15°37	16° 5	26°27	26°18	4°57	17°48	S 15
S 16	19 33 51	22°54'17	14° 8	19°48	28°35	8°33	6°24	6°29	11°14	15°38	16° 6	26°20	26°15	5° 3	17°47	S 16
M17	19 37 48	23°51'33	27°10	20°43	29°46	8°18	6°37	6°37	11°18	15°39	16° 7	26°16	26°12	5°10	17°46	M17
T 18	19 41 44	24°48'49	9°47	21°36	0°56	8° 4	6°50	6°44	11°21	15°39	16° 7	26°15	26° 8	5°17	17°44	T 18
W19	19 45 41	25°46'07	22° 5	22°25	2° 7	7°50	7° 3	6°52	11°25	15°40	16° 8	26°14	26° 5	5°23	17°43	W19
T 20	19 49 37	26°43'25	4° 7	23°11	3°18	7°36	7°16	7° 0	11°29	15°41	16° 8	26°14	26° 2	5°30	17°41	T 20
F 21	19 53 34	27°40'44	16° 0	23°54	4°28	7°23	7°29	7° 7	11°32	15°41	16° 9	26°13	25°59	5°37	17°40	F 21
S 22	19 57 30	28°38'04	27°49	24°32	5°39	7°11	7°42	7°15	11°36	15°42	16° 9	26°11	25°56	5°44	17°38	S 22
S 23	20 1 27	29°35'26	9°38	25° 7	6°49	6°59	7°55	7°22	11°40	15°43	16°10	26° 6	25°52	5°50	17°37	S 23
M24	20 5 24	0°32'48	21°32	25°38	7°59	6°48	8° 9	7°30	11°43	15°44	16°10	25°58	25°49	5°57	17°35	M24
T 25	20 9 20	1°30'11	3°34	26° 5	9°10	6°38	8°22	7°38	11°47	15°45	16°11	25°48	25°46	6° 4	17°33	T 25
W26	20 13 17	2°27'35	15°47	26°27	10°20	6°29	8°35	7°46	11°51	15°46	16°11	25°36	25°43	6°10	17°32	W26
T 27	20 17 13	3°25'00	28°11	26°44	11°30	6°20	8°48	7°53	11°54	15°46	16°12	25°23	25°40	6°17	17°30	T 27
F 28	20 21 10	4°22'26	10°47	26°57	12°40	6°12	9° 1	8° 1	11°58	15°47	16°12	25°10	25°37	6°24	17°28	F 28
S 29	20 25 6	5°19'53	23°36	27° 5	13°50	6° 4	9°14	8° 9	12° 2	15°48	16°12	24°58	25°33	6°30	17°26	S 29
S 30	20 29 3	6°17'21	6°36	27°R 8	15° 0	5°58	9°28	8°16	12° 5	15°49	16°13	24°49	25°30	6°37	17°24	S 30
M31	20 32 59	7°14'49	19°48	27°R 6	16°10	5°52	9°41	8°24	12° 9	15°50	16°13	24°42	25°27	6°44	17°22	M31

Delta T = 63.40 sec

Greg. Calendar

AUGUST 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 36 56	8°12'18	3°11	26°R58	17°20	5°R47	9°54	8°32	12°13	15°52	16°14	24°R38	25°24	6°50	17°R20	T 1
W 2	20 40 53	9° 9'48	16°45	26°45	18°30	5°43	10° 7	8°40	12°17	15°53	16°14	24°37	25°21	6°57	17°R18	W 2
T 3	20 44 49	10° 7'19	0°31	26°27	19°39	5°40	10°20	8°47	12°20	15°54	16°14	24°D37	25°18	7° 4	17°16	T 3
F 4	20 48 46	11° 4'51	14°29	26° 3	20°49	5°37	10°34	8°55	12°24	15°55	16°14	24°R37	25°14	7°10	17°14	F 4
S 5	20 52 42	12° 2'23	28°39	25°34	21°58	5°36	10°47	9° 3	12°28	15°56	16°15	24°36	25°11	7°17	17°12	S 5
S 6	20 56 39	12°59'57	13° 0	25° 1	23° 8	5°D35	11° 0	9°10	12°31	15°57	16°15	24°33	25° 8	7°24	17° 9	S 6
M 7	21 0 35	13°57'31	27°30	24°23	24°17	5°35	11°13	9°18	12°35	15°59	16°15	24°28	25° 5	7°30	17° 7	M 7
T 8	21 4 32	14°55'07	12° 3	23°41	25°26	5°36	11°26	9°26	12°39	16° 0	16°15	24°20	25° 2	7°37	17° 5	T 8
W 9	21 8 28	15°52'43	26°33	22°56	26°35	5°38	11°39	9°34	12°43	16° 1	16°15	24°10	24°58	7°44	17° 3	W 9
T 10	21 12 25	16°50'20	10°55	22° 8	27°44	5°41	11°53	9°41	12°46	16° 2	16°16	24° 0	24°55	7°50	17° 0	T 10
F 11	21 16 22	17°47'59	25° 1	21°18	28°53	5°44	12° 6	9°49	12°50	16° 4	16°16	23°50	24°52	7°57	16°58	F 11
S 12	21 20 18	18°45'39	8°47	20°27	0° 2	5°48	12°19	9°57	12°54	16° 5	16°16	23°42	24°49	8° 4	16°55	S 12
S 13	21 24 15	19°43'20	22°10	19°35	1°10	5°54	12°32	10° 4	12°57	16° 7	16°16	23°35	24°46	8°10	16°53	S 13
M14	21 28 11	20°41'03	5°9	18°45	2°19	5°59	12°45	10°12	13° 1	16° 8	16°16	23°32	24°43	8°17	16°51	M14
T 15	21 32 8	21°38'48	17°46	17°57	3°27	6° 6	12°58	10°20	13° 5	16° 9	16°16	23°D30	24°39	8°24	16°48	T 15
W16	21 36 4	22°36'34	0° 4	17°12	4°36	6°13	13°11	10°27	13° 9	16°11	16°R16	23°30	24°36	8°30	16°46	W16
T 17	21 40 1	23°34'22	12° 8	16°30	5°44	6°22	13°24	10°35	13°12	16°12	16°16	23°31	24°33	8°37	16°43	T 17
F 18	21 43 57	24°32'11	24° 2	15°54	6°52	6°31	13°38	10°42	13°16	16°14	16°16	23°R31	24°30	8°44	16°40	F 18
S 19	21 47 54	25°30'03	5°53	15°23	8° 0	6°40	13°51	10°50	13°20	16°15	16°16	23°31	24°27	8°51	16°38	S 19
S 20	21 51 51	26°27'56	17°44	14°59	9° 8	6°51	14° 4	10°57	13°23	16°17	16°16	23°28	24°24	8°57	16°35	S 20
M21	21 55 47	27°25'51	29°41	14°41	10°16	7° 2	14°17	11° 5	13°27	16°19	16°16	23°23	24°20	9° 4	16°33	M21
T 22	21 59 44	28°23'48	11°48	14°31	11°24	7°14	14°30	11°13	13°31	16°20	16°16	23°17	24°17	9°11	16°30	T 22
W23	22 3 40	29°21'46	24° 9	14°D29	12°31	7°27	14°43	11°20	13°34	16°22	16°16	23° 8	24°14	9°17	16°27	W23
T 24	22 7 37	0°19'46	6°44	14°36	13°39	7°40	14°56	11°27	13°38	16°24	16°15	22°59	24°11	9°24	16°25	T 24
F 25	22 11 33	1°17'48	19°36	14°50	14°46	7°54	15° 8	11°35	13°41	16°25	16°15	22°50	24° 8	9°31	16°22	F 25
S 26	22 15 30	2°15'52	2°44	15°13	15°53	8° 9	15°21	11°42	13°45	16°27	16°15	22°41	24° 4	9°37	16°19	S 26
S 27	22 19 26	3°13'57	16° 6	15°44	17° 0	8°25	15°34	11°50	13°49	16°29	16°15	22°35	24° 1	9°44	16°16	S 27
M28	22 23 23	4°12'04	29°41	16°23	18° 7	8°41	15°47	11°57	13°52	16°30	16°15	22°30	23°58	9°51	16°14	M28
T 29	22 27 20	5°10'12	13°27	17° 9	19°14	8°58	16° 0	12° 4	13°56	16°32	16°14	22°28	23°55	9°57	16°11	T 29
W30	22 31 16	6° 8'22	27°20	18° 4	20°21	9°15	16°13	12°12	13°59	16°34	16°14	22°D28	23°52	10° 4	16° 8	W30
T 31	22 35 13	7°16'33	11°21	19°R 6	21°27	9°33	16°R25	12°R19	14°R 3	16°36	16°14	22°D29	23°49	10°11	16°R 5	T 31

Delta T = 63.33 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1623

geocentric

SEPTEMBER 1623 GC

00:00 UT

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

Delta T = 63.25 sec

Greg. Calendar

OCTOBER 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 26	7 ^h 25'42	4 ^h 37	12 ^s 8	24 ^s 3	23 ^s 1	22 ^s 37	15 ^s 43	15 ^s 39	17 ^s 39	15 ^s R56	21 ^s R44	22 ^s 10	13 ^s II38	14 ^s R39	S 1
M 2	0 41 22	8°24'55	18°51	13°49	25° 2	23°34	22°48	15°49	15°42	17°42	15 ^h 55	21 ^h 43	22° 7	13°45	14 ^h 37	M 2
T 3	0 45 19	9°24'10	2 ^h 44	15°29	26° 0	24° 6	22°59	15°54	15°45	17°44	15°54	21°43	22° 4	13°52	14°34	T 3
W 4	0 49 15	10°23'26	16°25	17° 9	26°57	24°39	23°10	16° 0	15°47	17°46	15°53	21°41	22° 1	13°58	14°32	W 4
T 5	0 53 12	11°22'44	29°53	18°48	27°54	25°12	23°20	16° 6	15°50	17°48	15°52	21°40	21°57	14° 5	14°29	T 5
F 6	0 57 9	12°22'04	13 ^h 8	20°26	28°51	25°46	23°31	16°11	15°52	17°50	15°51	21°39	21°54	14°12	14°27	F 6
S 7	1 1 5	13°21'26	26° 9	22° 3	29°47	26°19	23°42	16°16	15°54	17°53	15°50	21°38	21°51	14°18	14°24	S 7
S 8	1 5 2	14°20'50	8 ^h Y56	23°39	0 ^h 43	26°53	23°52	16°22	15°57	17°55	15°49	21°37	21°48	14°25	14°22	S 8
M 9	1 8 58	15°20'16	21°30	25°15	1°38	27°27	24° 2	16°27	15°59	17°57	15°48	21°D37	21°45	14°32	14°20	M 9
T 10	1 12 55	16°19'44	3 ^h 51	26°50	2°32	28° 2	24°13	16°32	16° 1	17°59	15°47	21°37	21°41	14°38	14°17	T 10
W11	1 16 51	17°19'14	16° 0	28°25	3°26	28°36	24°23	16°37	16° 4	18° 2	15°46	21°37	21°38	14°45	14°15	W11
T 12	1 20 48	18°18'46	28° 0	29°59	4°20	29°11	24°33	16°42	16° 6	18° 4	15°46	21°38	21°35	14°52	14°13	T 12
F 13	1 24 44	19°18'21	9 ^h II54	1 ^h 32	5°13	29°46	24°43	16°47	16° 8	18° 6	15°45	21°38	21°32	14°58	14°11	F 13
S 14	1 28 41	20°17'58	21°44	3° 5	6° 5	0 ^h 22	24°53	16°52	16°10	18° 8	15°44	21°38	21°29	15° 5	14° 8	S 14
S 15	1 32 37	21°17'37	3 ^h 36	4°37	6°56	0°57	25° 3	16°56	16°12	18°11	15°43	21°R38	21°26	15°12	14° 6	S 15
M16	1 36 34	22°17'18	15°32	6° 8	7°47	1°33	25°12	17° 1	16°14	18°13	15°42	21°D38	21°22	15°19	14° 4	M16
T 17	1 40 31	23°17'02	27°39	7°39	8°37	2° 9	25°22	17° 6	16°16	18°15	15°41	21°38	21°19	15°25	14° 2	T 17
W18	1 44 27	24°16'47	9 ^h 59	9° 9	9°27	2°45	25°32	17°10	16°18	18°17	15°39	21°39	21°16	15°32	14° 0	W18
T 19	1 48 24	25°16'35	22°39	10°39	10°15	3°21	25°41	17°14	16°20	18°20	15°38	21°39	21°13	15°39	13°58	T 19
F 20	1 52 20	26°16'26	5 ^h 40	12° 8	11° 3	3°58	25°50	17°19	16°22	18°22	15°37	21°39	21°10	15°45	13°56	F 20
S 21	1 56 17	27°16'18	19° 6	13°36	11°50	4°34	25°59	17°23	16°23	18°24	15°36	21°40	21° 6	15°52	13°54	S 21
S 22	2 0 13	28°16'13	2 ^h 57	15° 4	12°36	5°11	26° 9	17°27	16°25	18°26	15°35	21°40	21° 3	15°59	13°53	S 22
M23	2 4 10	29°16'09	17°11	16°31	13°22	5°48	26°17	17°31	16°27	18°28	15°34	21°R41	21° 0	16° 5	13°51	M23
T 24	2 8 6	0 ^h 16'08	1 ^h 45	17°57	14° 6	6°25	26°26	17°35	16°29	18°31	15°33	21°40	20°57	16°12	13°49	T 24
W25	2 12 3	1°16'09	16°32	19°23	14°49	7° 3	26°35	17°39	16°30	18°33	15°32	21°40	20°54	16°19	13°47	W25
T 26	2 16 0	2°16'11	1 ^h 25	20°48	15°32	7°40	26°44	17°43	16°32	18°35	15°31	21°39	20°51	16°25	13°46	T 26
F 27	2 19 56	3°16'15	16°16	22°13	16°13	8°18	26°52	17°46	16°33	18°37	15°30	21°37	20°47	16°32	13°44	F 27
S 28	2 23 53	4°16'21	0 ^h 57	23°36	16°53	8°56	27° 0	17°50	16°35	18°39	15°29	21°36	20°44	16°39	13°43	S 28
S 29	2 27 49	5°16'29	15°24	24°59	17°33	9°34	27° 9	17°53	16°36	18°42	15°28	21°35	20°41	16°46	13°41	S 29
M30	2 31 46	6°16'38	29°32	26°21	18°10	10°12	27°17	17°57	16°37	18°44	15°27	21°34	20°38	16°52	13°40	M30
T 31	2 35 42	7 ^h 16'49	13 ^h 21	27 ^h 42	18 ^h 47	10 ^h 50	27 ^h 25	18 ^h 0	16 ^h 38	18 ^h 46	15 ^h 25	21°D34	20 ^h 35	16 ^h II59	13 ^h 38	T 31

ASTRODIENST EPHEMERIS for the year 1623
geocentric

NOVEMBER 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 39 39	8♐17°01	26♊49	29♐ 2	19♊22	11♊29	27♐33	18♐ 3	16♐40	18♐48	15°R24	21♐35	20♐32	17♐ 6	13°R37	W 1
T 2	2 43 35	9°17'14	10♋ 0	0♋20	19°56	12° 8	27°40	18° 6	16°41	18°50	15♋23	21°36	20°28	17°12	13♋36	T 2
F 3	2 47 32	10°17'29	22°54	1°38	20°29	12°46	27°48	18° 9	16°42	18°52	15°22	21°38	20°25	17°19	13°34	F 3
S 4	2 51 29	11°17'45	5♈33	2°53	21° 0	13°25	27°55	18°12	16°43	18°54	15°21	21°39	20°22	17°26	13°33	S 4
S 5	2 55 25	12°18'04	18° 1	4° 8	21°30	14° 4	28° 3	18°15	16°44	18°57	15°20	21°R40	20°19	17°32	13°32	S 5
M 6	2 59 22	13°18'23	0♉18	5°20	21°57	14°43	28°10	18°18	16°45	18°59	15°19	21°39	20°16	17°39	13°31	M 6
T 7	3 3 18	14°18'45	12°26	6°31	22°24	15°22	28°17	18°20	16°46	19° 1	15°18	21°38	20°12	17°46	13°30	T 7
W 8	3 7 15	15°19'08	24°27	7°39	22°48	16° 1	28°24	18°23	16°47	19° 3	15°16	21°35	20° 9	17°53	13°29	W 8
T 9	3 11 11	16°19'33	6♊23	8°44	23°11	16°41	28°30	18°25	16°48	19° 5	15°15	21°32	20° 6	17°59	13°28	T 9
F 10	3 15 8	17°19'59	18°15	9°47	23°32	17°20	28°37	18°28	16°48	19° 7	15°14	21°27	20° 3	18° 6	13°27	F 10
S 11	3 19 4	18°20'27	0♈ 5	10°47	23°51	18° 0	28°43	18°30	16°49	19° 9	15°13	21°22	20° 0	18°13	13°26	S 11
S 12	3 23 1	19°20'57	11°57	11°43	24° 8	18°40	28°50	18°32	16°50	19°11	15°12	21°18	19°57	18°19	13°26	S 12
M13	3 26 58	20°21'29	23°53	12°35	24°23	19°19	28°56	18°34	16°50	19°13	15°11	21°14	19°53	18°26	13°25	M13
T 14	3 30 54	21°22'03	5♐57	13°22	24°36	19°59	29° 2	18°36	16°51	19°15	15°10	21°11	19°50	18°33	13°24	T 14
W15	3 34 51	22°22'38	18°14	14° 4	24°47	20°39	29° 8	18°37	16°51	19°17	15° 9	21°D10	19°47	18°40	13°24	W15
T 16	3 38 47	23°23'15	0♐47	14°40	24°56	21°19	29°13	18°39	16°51	19°19	15° 7	21°10	19°44	18°46	13°23	T 16
F 17	3 42 44	24°23'54	13°42	15° 9	25° 2	21°59	29°19	18°40	16°52	19°21	15° 6	21°11	19°41	18°53	13°23	F 17
S 18	3 46 40	25°24'34	27° 1	15°31	25° 6	22°40	29°24	18°42	16°52	19°23	15° 5	21°13	19°38	19° 0	13°22	S 18
S 19	3 50 37	26°25'16	10♐48	15°45	25°R 8	23°20	29°29	18°43	16°52	19°24	15° 4	21°14	19°34	19° 6	13°22	S 19
M20	3 54 33	27°26'00	25° 3	15°R50	25° 7	24° 0	29°35	18°44	16°52	19°26	15° 3	21°R15	19°31	19°13	13°22	M20
T 21	3 58 30	28°26'45	9♐43	15°46	25° 4	24°41	29°39	18°45	16°53	19°28	15° 2	21°13	19°28	19°20	13°21	T 21
W22	4 2 27	29°27'32	24°44	15°31	24°59	25°21	29°44	18°46	16°53	19°30	15° 1	21°10	19°25	19°26	13°21	W22
T 23	4 6 23	0♋28'20	9♋56	15° 5	24°51	26° 2	29°49	18°47	16°R53	19°32	15° 0	21° 5	19°22	19°33	13°21	T 23
F 24	4 10 20	1°29'10	25°10	14°28	24°40	26°42	29°53	18°48	16°53	19°34	14°59	20°59	19°18	19°40	13°D21	F 24
S 25	4 14 16	2°30'00	10♋15	13°40	24°27	27°23	29°57	18°49	16°53	19°35	14°58	20°53	19°15	19°47	13°21	S 25
S 26	4 18 13	3°30'52	25° 2	12°43	24°12	28° 4	0♐ 1	18°49	16°52	19°37	14°57	20°47	19°12	19°53	13°21	S 26
M27	4 22 9	4°31'44	9♋24	11°36	23°54	28°45	0° 5	18°50	16°52	19°39	14°56	20°42	19° 9	20° 0	13°21	M27
T 28	4 26 6	5°32'37	23°20	10°21	23°34	29°26	0° 9	18°50	16°52	19°41	14°54	20°40	19° 6	20° 7	13°21	T 28
W29	4 30 2	6°33'31	6♋49	9° 1	23°12	0♋ 7	0°12	18°50	16°52	19°42	14°53	20°D39	19° 3	20°13	13°22	W29
T 30	4 33 59	7♋34'26	19♋54	7♋39	22♋48	0♋48	0♐15	18°R50	16♐51	19♐44	14♐52	20♐40	18♐59	20♐20	13♋22	T 30

Delta T = 63.11 sec

Greg. Calendar

DECEMBER 1623 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 37 56	8♐35'21	2♈38	6°R16	22°R21	1♋29	0♐18	18°R50	16°R51	19♐46	14°R51	20♐41	18♐56	20♐27	13♋22	F 1
S 2	4 41 52	9°36'17	15° 4	4♋56	21♋52	2°10	0°21	18♐50	16♐50	19°47	14♐50	20°R42	18°53	20°33	13°23	S 2
S 3	4 45 49	10°37'14	27°18	3°42	21°22	2°51	0°24	18°50	16°50	19°49	14°49	20°42	18°50	20°40	13°23	S 3
M 4	4 49 45	11°38'12	9♋22	2°35	20°50	3°32	0°27	18°49	16°49	19°50	14°48	20°40	18°47	20°47	13°24	M 4
T 5	4 53 42	12°39'10	21°20	1°38	20°17	4°14	0°29	18°49	16°48	19°52	14°47	20°35	18°43	20°54	13°24	T 5
W 6	4 57 38	13°40'10	3♐14	0°51	19°43	4°55	0°31	18°48	16°48	19°53	14°46	20°28	18°40	21° 0	13°25	W 6
T 7	5 1 35	14°41'10	15° 6	0°15	19° 8	5°36	0°33	18°47	16°47	19°55	14°45	20°19	18°37	21° 7	13°26	T 7
F 8	5 5 31	15°42'11	26°58	29♐51	18°32	6°18	0°35	18°47	16°46	19°56	14°44	20° 8	18°34	21°14	13°26	F 8
S 9	5 9 28	16°43'12	8♈50	29°37	17°55	6°59	0°37	18°46	16°45	19°58	14°44	19°57	18°31	21°20	13°27	S 9
S 10	5 13 25	17°44'15	20°45	29°D34	17°19	7°41	0°38	18°45	16°44	19°59	14°43	19°45	18°28	21°27	13°28	S 10
M11	5 17 21	18°45'18	2♐45	29°41	16°42	8°22	0°39	18°43	16°43	20° 0	14°42	19°35	18°24	21°34	13°29	M11
T 12	5 21 18	19°46'22	14°52	29°57	16° 6	9° 3	0°40	18°42	16°42	20° 2	14°41	19°27	18°21	21°41	13°30	T 12
W13	5 25 14	20°47'27	27° 8	0♋22	15°30	9°45	0°41	18°41	16°41	20° 3	14°40	19°22	18°18	21°47	13°31	W13
T 14	5 29 11	21°48'33	9♐38	0°54	14°56	10°27	0°42	18°39	16°40	20° 4	14°39	19°19	18°15	21°54	13°32	T 14
F 15	5 33 7	22°49'40	22°26	1°32	14°22	11° 8	0°42	18°38	16°39	20° 6	14°38	19°D18	18°12	22° 1	13°33	F 15
S 16	5 37 4	23°50'47	5♐36	2°17	13°50	11°50	0°43	18°36	16°38	20° 7	14°37	19°18	18° 9	22° 7	13°34	S 16
S 17	5 41 0	24°51'55	19°11	3° 7	13°19	12°31	0°R43	18°34	16°36	20° 8	14°37	19°R19	18° 5	22°14	13°36	S 17
M18	5 44 57	25°53'04	3♐14	4° 1	12°50	13°13	0°43	18°32	16°35	20° 9	14°36	19°18	18° 2	22°21	13°37	M18
T 19	5 48 54	26°54'14	17°45	5° 0	12°22	13°55	0°42	18°30	16°34	20°10	14°35	19°15	17°59	22°28	13°38	T 19
W20	5 52 50	27°55'24	2♋40	6° 2	11°57	14°36	0°42	18°28	16°32	20°12	14°34	19° 9	17°56	22°34	13°40	W20
T 21	5 56 47	28°56'35	17°53	7° 8	11°34	15°18	0°41	18°26	16°31	20°13	14°33	19° 1	17°53	22°41	13°41	T 21
F 22	6 0 43	29°57'46	3♋14	8°16	11°13	16° 0	0°40	18°24	16°29	20°14	14°33	18°51	17°49	22°48	13°43	F 22
S 23	6 4 40	0♋58'58	18°31	9°27	10°54	16°42	0°39	18°21	16°28	20°15	14°32	18°40	17°46	22°54	13°44	S 23
S 24	6 8 36	2° 0'09	3♋33	10°40	10°38	17°23	0°38	18°19	16°26	20°16	14°31	18°29	17°43	23° 1	13°46	S 24
M25	6 12 33	3° 1'21	18°10	11°55	10°24	18° 5	0°36	18°16	16°24	20°17	14°30	18°20	17°40	23° 8	13°48	M25
T 26	6 16 29	4° 2'32	2♋19	13°11	10°13	18°47	0°34	18°13	16°23	20°18	14°30	18°14	17°37	23°15	13°50	T 26
W27	6 20 26	5° 3'43	15°57	14°30	10° 4	19°29	0°33	18°10	16°21	20°18	14°29	18°10	17°34	23°21	13°51	W27
T 28	6 24 23	6° 4'54	29° 6	15°49	9°57	20°11	0°31	18° 8	16°19	20°19	14°28	18° 9	17°30	23°28	13°53	T 28
F 29	6 28 19	7° 6'04	11°V50	17°10	9°53	20°53	0°28	18° 5	16°17	20°20	14°28	18° 9	17°27	23°35	13°55	F 29
S 30	6 32 16	8° 7'15	24°14	18°32	9°D52	21°34	0°26	18° 2	16°16	20°21	14°27	18° 9	17°24	23°41	13°57	S 30
S 31	6 36 12	9♋ 8'25	6♋23	19♋55	9♋53	22♋16	0♐23	17♐58	16♐14	20♐22	14♐27	18♐ 8	17♐21	23♐48	13♋59	S 31

Delta T = 63.04 sec

Greg. Calendar