



# Astrodienst Ephemeris Tables for the year 1675

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 1675

geocentric

## JANUARY 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 42 42	10°34'46	6°11'0	27°R10	21°40	15°16	8°14	21°33	22°33	8°29	6°R27	20°23	20°52	29°11	24°27	T 1
W 2	6 46 39	11°48'57	17°58	26°32	22°12	15°27	8°16	21°34	22°35	8°31	6°26	20°24	20°49	29°18	24°28	W 2
T 3	6 50 36	12°50'08	29°50	26° 5	22°43	15°38	8°29	21°35	22°36	8°33	6°24	20°24	20°46	29°24	24°30	T 3
F 4	6 54 32	13°51'17	11°42	25°48	23°12	15°50	8°41	21°36	22°38	8°35	6°23	20°R25	20°43	29°31	24°31	F 4
S 5	6 58 29	14°52'27	23°38	25°D40	23°39	16° 3	8°53	21°38	22°40	8°37	6°22	20°25	20°39	29°38	24°33	S 5
S 6	7 2 25	15°53'36	5°44	25°41	24° 4	16°16	9° 5	21°39	22°41	8°40	6°21	20°24	20°36	29°45	24°35	S 6
M 7	7 6 22	16°54'44	18° 3	25°51	24°28	16°30	9°17	21°41	22°43	8°42	6°19	20°24	20°33	29°51	24°37	M 7
T 8	7 10 18	17°55'52	0°11	26° 8	24°50	16°44	9°29	21°42	22°45	8°44	6°18	20°23	20°30	29°58	24°38	T 8
W 9	7 14 15	18°56'59	13°36	26°32	25°10	16°59	9°41	21°44	22°47	8°46	6°17	20°23	20°27	0°5	24°40	W 9
T 10	7 18 11	19°58'06	26°54	27° 2	25°27	17°14	9°53	21°46	22°49	8°48	6°16	20°D23	20°24	0°11	24°42	T 10
F 11	7 22 8	20°59'12	10°33	27°39	25°43	17°30	10° 5	21°48	22°51	8°50	6°15	20°23	20°20	0°18	24°44	F 11
S 12	7 26 5	22° 0'17	24°31	28°20	25°57	17°46	10°16	21°50	22°53	8°53	6°13	20°R23	20°17	0°25	24°46	S 12
S 13	7 30 1	23° 1'22	8°46	29° 6	26° 8	18° 3	10°28	21°52	22°55	8°55	6°12	20°23	20°14	0°32	24°48	S 13
M14	7 33 58	24° 2'26	23°11	29°56	26°17	18°20	10°39	21°54	22°57	8°57	6°11	20°23	20°11	0°38	24°51	M14
T 15	7 37 54	25° 3'30	7°41	0°50	26°24	18°38	10°51	21°57	22°59	8°59	6°10	20°22	20° 8	0°45	24°53	T 15
W16	7 41 51	26° 4'34	22°11	1°48	26°28	18°56	11° 2	21°59	23° 1	9° 1	6° 9	20°22	20° 4	0°52	24°55	W16
T 17	7 45 47	27° 5'36	6°37	2°48	26°R30	19°14	11°14	22° 2	23° 4	9° 4	6° 8	20°21	20° 1	0°58	24°57	T 17
F 18	7 49 44	28° 6'39	20°53	3°51	26°29	19°33	11°25	22° 4	23° 6	9° 6	6° 6	20°21	19°58	1° 5	24°59	F 18
S 19	7 53 40	29° 7'41	4°18	4°57	26°27	19°53	11°36	22° 7	23° 8	9° 8	6° 5	20°D21	19°55	1°12	25° 2	S 19
S 20	7 57 37	0° 8'42	18°50	6° 5	26°21	20°13	11°47	22°10	23°10	9°10	6° 4	20°21	19°52	1°19	25° 4	S 20
M21	8 1 34	1° 9'44	2°28	7°15	26°13	20°33	11°58	22°13	23°13	9°13	6° 3	20°22	19°49	1°25	25° 7	M21
T 22	8 5 30	2°10'44	15°53	8°27	26° 3	20°53	12° 9	22°16	23°15	9°15	6° 2	20°23	19°45	1°32	25° 9	T 22
W23	8 9 27	3°11'44	29° 4	9°41	25°50	21°14	12°20	22°19	23°18	9°17	6° 1	20°24	19°42	1°39	25°12	W23
T 24	8 13 23	4°12'43	12°3	10°56	25°34	21°35	12°30	22°23	23°20	9°19	6° 0	20°25	19°39	1°45	25°14	T 24
F 25	8 17 20	5°13'41	24°49	12°13	25°16	21°57	12°41	22°26	23°23	9°22	5°59	20°R25	19°36	1°52	25°17	F 25
S 26	8 21 16	6°14'38	7°23	13°32	24°56	22°19	12°51	22°30	23°25	9°24	5°58	20°24	19°33	1°59	25°19	S 26
S 27	8 25 13	7°15'34	19°46	14°51	24°33	22°41	13° 2	22°33	23°28	9°26	5°57	20°23	19°30	2° 6	25°22	S 27
M28	8 29 10	8°16'29	1°57	16°12	24° 9	23° 4	13°12	22°37	23°30	9°29	5°56	20°20	19°26	2°12	25°25	M28
T 29	8 33 6	9°17'23	14° 0	17°34	23°42	23°27	13°22	22°41	23°33	9°31	5°55	20°17	19°23	2°19	25°28	T 29
W30	8 37 3	10°18'15	25°57	18°57	23°13	23°50	13°33	22°44	23°36	9°33	5°54	20°14	19°20	2°26	25°30	W30
T 31	8 40 59	11°19'06	7°49	20°21	22°42	24°14	13°43	22°48	23°38	9°35	5°53	20°10	19°17	2°32	25°33	T 31

Delta T = 26.61 sec

Greg. Calendar

## FEBRUARY 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 44 56	12°19'55	19°40	21°34	22°R10	24°38	13°52	22°52	23°41	9°38	5°R52	20°R 8	19°14	2°39	25°36	F 1
S 2	8 48 52	13°20'44	1°35	23°13	21°36	25° 2	14° 2	22°57	23°44	9°40	5°51	20°3	19°10	2°46	25°39	S 2
S 3	8 52 49	14°21'30	13°37	24°40	21° 2	25°27	14°12	23° 1	23°47	9°42	5°50	20°D 5	19° 7	2°53	25°42	S 3
M 4	8 56 45	15°22'15	25°52	26° 8	20°26	25°52	14°22	23° 5	23°50	9°45	5°49	20° 6	19° 4	2°59	25°45	M 4
T 5	9 0 42	16°22'59	8°25	27°37	19°49	26°17	14°31	23°10	23°53	9°47	5°48	20° 7	19° 1	3° 6	25°48	T 5
W 6	9 4 39	17°23'41	21°18	29° 7	19°12	26°42	14°40	23°14	23°55	9°49	5°47	20° 9	18°58	3°13	25°51	W 6
T 7	9 8 35	18°24'21	4°37	0°37	18°34	27° 7	14°50	23°19	23°58	9°51	5°46	20°10	18°55	3°19	25°54	T 7
F 8	9 12 32	19°25'00	18°22	2° 9	17°57	27°33	14°59	23°23	24° 1	9°54	5°45	20°R11	18°51	3°26	25°57	F 8
S 9	9 16 28	20°25'37	2°32	3°41	17°20	27°59	15° 8	23°28	24° 4	9°56	5°44	20°11	18°48	3°33	26° 0	S 9
S 10	9 20 25	21°26'12	17° 6	5°15	16°43	28°26	15°17	23°33	24° 7	9°58	5°44	20° 8	18°45	3°40	26° 3	S 10
M11	9 24 21	22°26'46	1°56	6°49	16° 7	28°52	15°25	23°38	24°10	10° 0	5°43	20° 5	18°42	3°46	26° 7	M11
T 12	9 28 18	23°27'18	16°55	8°24	15°33	29°19	15°34	23°43	24°13	10° 3	5°42	20° 0	18°39	3°53	26°10	T 12
W13	9 32 14	24°27'49	1°54	10° 0	14°59	29°46	15°43	23°48	24°16	10° 5	5°41	19°55	18°35	4° 0	26°13	W13
T 14	9 36 11	25°28'19	16°43	11°37	14°27	0°13	15°51	23°53	24°19	10° 7	5°40	19°50	18°32	4° 6	26°16	T 14
F 15	9 40 8	26°28'47	1°17	13°15	13°57	0°40	15°59	23°58	24°23	10° 9	5°40	19°46	18°29	4°13	26°19	F 15
S 16	9 44 4	27°29'14	15°31	14°54	13°28	1° 8	16° 8	24° 3	24°26	10°11	5°39	19°44	18°26	4°20	26°23	S 16
S 17	9 48 1	28°29'40	29°23	16°33	13° 1	1°36	16°16	24° 9	24°29	10°14	5°38	19°D43	18°23	4°27	26°26	S 17
M18	9 51 57	29°30'04	12°53	18°14	12°37	2° 4	16°23	24°14	24°32	10°16	5°38	19°44	18°20	4°33	26°29	M18
T 19	9 55 54	0°30'28	26° 4	19°56	12°15	2°32	16°31	24°20	24°35	10°18	5°37	19°45	18°16	4°40	26°33	T 19
W20	9 59 50	1°30'49	8°57	21°38	11°55	3° 0	16°39	24°25	24°38	10°20	5°36	19°47	18°13	4°47	26°36	W20
T 21	10 3 47	2°31'09	21°35	23°22	11°37	3°29	16°46	24°31	24°42	10°22	5°36	19°R47	18°10	4°54	26°40	T 21
F 22	10 7 43	3°31'28	4° 2	25° 6	11°22	3°57	16°54	24°37	24°45	10°24	5°35	19°46	18° 7	5° 0	26°43	F 22
S 23	10 11 40	4°31'45	16°19	26°52	11° 9	4°26	17° 1	24°43	24°48	10°27	5°35	19°43	18° 4	5° 7	26°47	S 23
S 24	10 15 37	5°32'00	28°29	28°39	10°59	4°55	17° 8	24°48	24°51	10°29	5°34	19°37	18° 1	5°14	26°50	S 24
M25	10 19 33	6°32'13	10°31	0°26	10°51	5°25	17°15	24°54	24°55	10°31	5°34	19°30	17°57	5°20	26°53	M25
T 26	10 23 30	7°32'25	22°29	2°15	10°46	5°54	17°22	25° 0	24°58	10°33	5°33	19°20	17°54	5°27	26°57	T 26
W27	10 27 26	8°32'34	4°12	4° 5	10°43	6°23	17°28	25° 6	25° 1	10°35	5°33	19°10	17°51	5°34	27° 1	W27
T 28	10 31 23	9°32'42	16°14	5°56	10°D43	6°53	17°35	25°12	25° 5	10°37	5°32	19°3	17°48	5°41	27° 4	T 28

Delta T = 26.56 sec

Greg. Calendar

## ASTRODIENST EPHEMERIS for the year 1675

geocentric

MARCH 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 35 19	10 <sup>h</sup> 32'48"	28 <sup>h</sup> 5'5"	7 <sup>h</sup> 48'	10 <sup>h</sup> 45'	7 <sup>h</sup> 23'	17 <sup>h</sup> 41'	25 <sup>h</sup> 19'	25 <sup>h</sup> 8'	10 <sup>h</sup> 39'	5 <sup>h</sup> 32'	18 <sup>h</sup> 52'	17 <sup>h</sup> 345'	5 <sup>h</sup> 47'	27 <sup>h</sup> 8'	F 1
S 2	10 39 16	11 <sup>h</sup> 32'51"	10 <sup>h</sup> 8'0"	9 <sup>h</sup> 40'	10 <sup>h</sup> 49'	7 <sup>h</sup> 53'	17 <sup>h</sup> 47'	25 <sup>h</sup> 25'	25 <sup>h</sup> 11'	10 <sup>h</sup> 41'	5 <sup>h</sup> 31'	18 <sup>h</sup> 345'	17 <sup>h</sup> 41'	5 <sup>h</sup> 54'	27 <sup>h</sup> 11'	S 2
S 3	10 43 12	12 <sup>h</sup> 32'53"	22 <sup>h</sup> 1'	11 <sup>h</sup> 34'	10 <sup>h</sup> 56'	8 <sup>h</sup> 23'	17 <sup>h</sup> 53'	25 <sup>h</sup> 31'	25 <sup>h</sup> 15'	10 <sup>h</sup> 43'	5 <sup>h</sup> 31'	18 <sup>h</sup> 40'	17 <sup>h</sup> 38'	6 <sup>h</sup> 1'	27 <sup>h</sup> 15'	S 3
M 4	10 47 9	13 <sup>h</sup> 32'52"	4 <sup>h</sup> 11'3"	13 <sup>h</sup> 29'	11 <sup>h</sup> 5'	8 <sup>h</sup> 53'	17 <sup>h</sup> 59'	25 <sup>h</sup> 37'	25 <sup>h</sup> 18'	10 <sup>h</sup> 45'	5 <sup>h</sup> 30'	18 <sup>h</sup> 38'	17 <sup>h</sup> 35'	6 <sup>h</sup> 7'	27 <sup>h</sup> 18'	M 4
T 5	10 51 5	14 <sup>h</sup> 32'49"	16 <sup>h</sup> 40'	15 <sup>h</sup> 25'	11 <sup>h</sup> 16'	9 <sup>h</sup> 24'	18 <sup>h</sup> 5'	25 <sup>h</sup> 44'	25 <sup>h</sup> 22'	10 <sup>h</sup> 47'	5 <sup>h</sup> 30'	18 <sup>h</sup> D38'	17 <sup>h</sup> 32'	6 <sup>h</sup> 14'	27 <sup>h</sup> 22'	T 5
W 6	10 55 2	15 <sup>h</sup> 32'44"	29 <sup>h</sup> 27'	17 <sup>h</sup> 21'	11 <sup>h</sup> 29'	9 <sup>h</sup> 54'	18 <sup>h</sup> 10'	25 <sup>h</sup> 50'	25 <sup>h</sup> 25'	10 <sup>h</sup> 49'	5 <sup>h</sup> 30'	18 <sup>h</sup> 38'	17 <sup>h</sup> 29'	6 <sup>h</sup> 21'	27 <sup>h</sup> 26'	W 6
T 7	10 58 59	16 <sup>h</sup> 32'37"	12 <sup>h</sup> 38'	19 <sup>h</sup> 19'	11 <sup>h</sup> 44'	10 <sup>h</sup> 25'	18 <sup>h</sup> 15'	25 <sup>h</sup> 57'	25 <sup>h</sup> 28'	10 <sup>h</sup> 51'	5 <sup>h</sup> 29'	18 <sup>h</sup> R39'	17 <sup>h</sup> 26'	6 <sup>h</sup> 28'	27 <sup>h</sup> 29'	T 7
F 8	11 2 55	17 <sup>h</sup> 32'28"	26 <sup>h</sup> 17'	21 <sup>h</sup> 16'	12 <sup>h</sup> 1'	10 <sup>h</sup> 56'	18 <sup>h</sup> 21'	26 <sup>h</sup> 3'	25 <sup>h</sup> 32'	10 <sup>h</sup> 53'	5 <sup>h</sup> 29'	18 <sup>h</sup> 39'	17 <sup>h</sup> 22'	6 <sup>h</sup> 34'	27 <sup>h</sup> 33'	F 8
S 9	11 6 52	18 <sup>h</sup> 32'16"	10 <sup>h</sup> 26'	23 <sup>h</sup> 15'	12 <sup>h</sup> 21'	11 <sup>h</sup> 27'	18 <sup>h</sup> 26'	26 <sup>h</sup> 10'	25 <sup>h</sup> 35'	10 <sup>h</sup> 55'	5 <sup>h</sup> 29'	18 <sup>h</sup> 37'	17 <sup>h</sup> 19'	6 <sup>h</sup> 41'	27 <sup>h</sup> 36'	S 9
S 10	11 10 48	19 <sup>h</sup> 32'02"	25 <sup>h</sup> 2'	25 <sup>h</sup> 14'	12 <sup>h</sup> 42'	11 <sup>h</sup> 58'	18 <sup>h</sup> 31'	26 <sup>h</sup> 17'	25 <sup>h</sup> 39'	10 <sup>h</sup> 57'	5 <sup>h</sup> 29'	18 <sup>h</sup> 33'	17 <sup>h</sup> 16'	6 <sup>h</sup> 48'	27 <sup>h</sup> 40'	S 10
M 11	11 14 45	20 <sup>h</sup> 31'46"	10 <sup>h</sup> 12'2"	27 <sup>h</sup> 13'	13 <sup>h</sup> 4'	12 <sup>h</sup> 29'	18 <sup>h</sup> 35'	26 <sup>h</sup> 23'	25 <sup>h</sup> 42'	10 <sup>h</sup> 59'	5 <sup>h</sup> 28'	18 <sup>h</sup> 26'	17 <sup>h</sup> 13'	6 <sup>h</sup> 54'	27 <sup>h</sup> 44'	M 11
T 12	11 18 41	21 <sup>h</sup> 31'28"	25 <sup>h</sup> 16'	29 <sup>h</sup> 12'	13 <sup>h</sup> 29'	13 <sup>h</sup> 0'	18 <sup>h</sup> 40'	26 <sup>h</sup> 30'	25 <sup>h</sup> 45'	11 <sup>h</sup> 0'	5 <sup>h</sup> 28'	18 <sup>h</sup> 17'	17 <sup>h</sup> 10'	7 <sup>h</sup> 1'	27 <sup>h</sup> 47'	T 12
W 13	11 22 38	22 <sup>h</sup> 31'08"	10 <sup>h</sup> 23'5"	1 <sup>h</sup> 11'	13 <sup>h</sup> 55'	13 <sup>h</sup> 32'	18 <sup>h</sup> 44'	26 <sup>h</sup> 37'	25 <sup>h</sup> 49'	11 <sup>h</sup> 2'	5 <sup>h</sup> 28'	18 <sup>h</sup> 7'	17 <sup>h</sup> 7'	7 <sup>h</sup> 8'	27 <sup>h</sup> 51'	W 13
T 14	11 26 34	23 <sup>h</sup> 30'46"	25 <sup>h</sup> 46'	3 <sup>h</sup> 9'	14 <sup>h</sup> 23'	14 <sup>h</sup> 3'	18 <sup>h</sup> 48'	26 <sup>h</sup> 44'	25 <sup>h</sup> 52'	11 <sup>h</sup> 4'	5 <sup>h</sup> 28'	17 <sup>h</sup> 58'	17 <sup>h</sup> 3'	7 <sup>h</sup> 15'	27 <sup>h</sup> 55'	T 14
F 15	11 30 31	24 <sup>h</sup> 30'22"	10 <sup>h</sup> 14'0"	5 <sup>h</sup> 6'	14 <sup>h</sup> 53'	14 <sup>h</sup> 35'	18 <sup>h</sup> 53'	26 <sup>h</sup> 51'	25 <sup>h</sup> 56'	11 <sup>h</sup> 6'	5 <sup>h</sup> 28'	17 <sup>h</sup> 50'	17 <sup>h</sup> 0'	7 <sup>h</sup> 21'	27 <sup>h</sup> 58'	F 15
S 16	11 34 28	25 <sup>h</sup> 29'56"	25 <sup>h</sup> 9'	7 <sup>h</sup> 2'	15 <sup>h</sup> 24'	15 <sup>h</sup> 6'	18 <sup>h</sup> 56'	26 <sup>h</sup> 57'	25 <sup>h</sup> 59'	11 <sup>h</sup> 8'	5 <sup>h</sup> 28'	17 <sup>h</sup> 44'	16 <sup>h</sup> 57'	7 <sup>h</sup> 28'	28 <sup>h</sup> 2'	S 16
S 17	11 38 24	26 <sup>h</sup> 29'29"	9 <sup>h</sup> 11'	8 <sup>h</sup> 57'	15 <sup>h</sup> 57'	15 <sup>h</sup> 38'	19 <sup>h</sup> 0'	27 <sup>h</sup> 4'	26 <sup>h</sup> 3'	11 <sup>h</sup> 9'	5 <sup>h</sup> 28'	17 <sup>h</sup> 40'	16 <sup>h</sup> 54'	7 <sup>h</sup> 35'	28 <sup>h</sup> 6'	S 17
M 18	11 42 21	27 <sup>h</sup> 29'00"	22 <sup>h</sup> 46'	10 <sup>h</sup> 49'	16 <sup>h</sup> 30'	16 <sup>h</sup> 10'	19 <sup>h</sup> 4'	27 <sup>h</sup> 11'	26 <sup>h</sup> 6'	11 <sup>h</sup> 11'	5 <sup>h</sup> 28'	17 <sup>h</sup> D39'	16 <sup>h</sup> 51'	7 <sup>h</sup> 42'	28 <sup>h</sup> 9'	M 18
T 19	11 46 17	28 <sup>h</sup> 28'29"	5 <sup>h</sup> 35'4"	12 <sup>h</sup> 39'	17 <sup>h</sup> 6'	16 <sup>h</sup> 42'	19 <sup>h</sup> 7'	27 <sup>h</sup> 18'	26 <sup>h</sup> 9'	11 <sup>h</sup> 13'	5 <sup>h</sup> D28'	17 <sup>h</sup> 39'	16 <sup>h</sup> 47'	7 <sup>h</sup> 48'	28 <sup>h</sup> 13'	T 19
W 20	11 50 14	29 <sup>h</sup> 27'57"	18 <sup>h</sup> 41'	14 <sup>h</sup> 27'	17 <sup>h</sup> 42'	17 <sup>h</sup> 14'	19 <sup>h</sup> 10'	27 <sup>h</sup> 26'	26 <sup>h</sup> 13'	11 <sup>h</sup> 14'	5 <sup>h</sup> 28'	17 <sup>h</sup> R39'	16 <sup>h</sup> 44'	7 <sup>h</sup> 55'	28 <sup>h</sup> 17'	W 20
T 21	11 54 10	0 <sup>h</sup> 27'22"	1 <sup>h</sup> 10'	16 <sup>h</sup> 11'	18 <sup>h</sup> 20'	17 <sup>h</sup> 46'	19 <sup>h</sup> 13'	27 <sup>h</sup> 33'	26 <sup>h</sup> 16'	11 <sup>h</sup> 16'	5 <sup>h</sup> 28'	17 <sup>h</sup> 39'	16 <sup>h</sup> 41'	8 <sup>h</sup> 2'	28 <sup>h</sup> 20'	T 21
F 22	11 58 7	1 <sup>h</sup> 26'46"	13 <sup>h</sup> 26'	17 <sup>h</sup> 51'	18 <sup>h</sup> 59'	18 <sup>h</sup> 18'	19 <sup>h</sup> 16'	27 <sup>h</sup> 40'	26 <sup>h</sup> 20'	11 <sup>h</sup> 18'	5 <sup>h</sup> 28'	17 <sup>h</sup> 36'	16 <sup>h</sup> 38'	8 <sup>h</sup> 8'	28 <sup>h</sup> 24'	F 22
S 23	12 2 3	2 <sup>h</sup> 26'08"	25 <sup>h</sup> 31'	19 <sup>h</sup> 27'	19 <sup>h</sup> 39'	18 <sup>h</sup> 51'	19 <sup>h</sup> 19'	27 <sup>h</sup> 47'	26 <sup>h</sup> 23'	11 <sup>h</sup> 19'	5 <sup>h</sup> 28'	17 <sup>h</sup> 30'	16 <sup>h</sup> 35'	8 <sup>h</sup> 15'	28 <sup>h</sup> 28'	S 23
S 24	12 6 0	3 <sup>h</sup> 25'28"	7 <sup>h</sup> 31'	20 <sup>h</sup> 59'	20 <sup>h</sup> 20'	19 <sup>h</sup> 23'	19 <sup>h</sup> 21'	27 <sup>h</sup> 54'	26 <sup>h</sup> 27'	11 <sup>h</sup> 21'	5 <sup>h</sup> 28'	17 <sup>h</sup> 22'	16 <sup>h</sup> 32'	8 <sup>h</sup> 22'	28 <sup>h</sup> 31'	S 24
M 25	12 9 57	4 <sup>h</sup> 24'46"	19 <sup>h</sup> 26'	22 <sup>h</sup> 25'	21 <sup>h</sup> 3'	19 <sup>h</sup> 56'	19 <sup>h</sup> 23'	28 <sup>h</sup> 1'	26 <sup>h</sup> 30'	11 <sup>h</sup> 23'	5 <sup>h</sup> 28'	17 <sup>h</sup> 11'	16 <sup>h</sup> 28'	8 <sup>h</sup> 29'	28 <sup>h</sup> 35'	M 25
T 26	12 13 53	5 <sup>h</sup> 24'02"	1 <sup>h</sup> 18'	23 <sup>h</sup> 47'	21 <sup>h</sup> 46'	20 <sup>h</sup> 28'	19 <sup>h</sup> 25'	28 <sup>h</sup> 9'	26 <sup>h</sup> 33'	11 <sup>h</sup> 24'	5 <sup>h</sup> 28'	16 <sup>h</sup> 57'	16 <sup>h</sup> 25'	8 <sup>h</sup> 35'	28 <sup>h</sup> 39'	T 26
W 27	12 17 50	6 <sup>h</sup> 23'16"	13 <sup>h</sup> 10'	25 <sup>h</sup> 3'	22 <sup>h</sup> 30'	21 <sup>h</sup> 1'	19 <sup>h</sup> 27'	28 <sup>h</sup> 16'	26 <sup>h</sup> 37'	11 <sup>h</sup> 26'	5 <sup>h</sup> 28'	16 <sup>h</sup> 43'	16 <sup>h</sup> 22'	8 <sup>h</sup> 42'	28 <sup>h</sup> 42'	W 27
T 28	12 21 46	7 <sup>h</sup> 22'28"	25 <sup>h</sup> 3'	26 <sup>h</sup> 13'	23 <sup>h</sup> 15'	21 <sup>h</sup> 34'	19 <sup>h</sup> 29'	28 <sup>h</sup> 23'	26 <sup>h</sup> 40'	11 <sup>h</sup> 27'	5 <sup>h</sup> 29'	16 <sup>h</sup> 29'	16 <sup>h</sup> 19'	8 <sup>h</sup> 49'	28 <sup>h</sup> 46'	T 28
F 29	12 25 43	8 <sup>h</sup> 21'38"	6 <sup>h</sup> 35'	27 <sup>h</sup> 17'	24 <sup>h</sup> 1'	22 <sup>h</sup> 7'	19 <sup>h</sup> 30'	28 <sup>h</sup> 31'	26 <sup>h</sup> 43'	11 <sup>h</sup> 28'	5 <sup>h</sup> 29'	16 <sup>h</sup> 16'	16 <sup>h</sup> 16'	8 <sup>h</sup> 55'	28 <sup>h</sup> 50'	F 29
S 30	12 29 39	9 <sup>h</sup> 20'46"	18 <sup>h</sup> 55'	28 <sup>h</sup> 15'	24 <sup>h</sup> 48'	22 <sup>h</sup> 40'	19 <sup>h</sup> 32'	28 <sup>h</sup> 38'	26 <sup>h</sup> 47'	11 <sup>h</sup> 30'	5 <sup>h</sup> 29'	16 <sup>h</sup> 5'	16 <sup>h</sup> 12'	9 <sup>h</sup> 2'	28 <sup>h</sup> 53'	S 30
S 31	12 33 36	10 <sup>h</sup> 19'51"	0 <sup>h</sup> 11'59"	29 <sup>h</sup> 19'	25 <sup>h</sup> 36'	23 <sup>h</sup> 11'3"	19 <sup>h</sup> 33'	28 <sup>h</sup> 46'	26 <sup>h</sup> 50'	11 <sup>h</sup> 31'	5 <sup>h</sup> 29'	15 <sup>h</sup> 35'	16 <sup>h</sup> 39'	9 <sup>h</sup> 19'	28 <sup>h</sup> 57'	S 31

Delta T = 26.51 sec

Greg. Calendar

APRIL 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 37 32	11°18'54	13°11'3	29°51'	26°24'	23°11'4	19°34'	28°53'	26°54'	11°33'	5°30'	15°R52	16°3	9°16'	29°1'	M 1
T 2	12 41 29	12°17'55	25°39'	0°29'	27°14'	24°19'	19°35'	29°1	26°57'	11°34'	5°30'	15°350	16°3	9°22'	29°4'	T 2
W 3	12 45 26	13°16'54	8°23'	1°0	28°4	24°52'	19°35'	29°8	27°0	11°35'	5°30'	15°49'	16°0	9°29'	29°8'	W 3
T 4	12 49 22	14°15'51	21°28'	1°25	28°54'	25°25'	19°36'	29°16'	27°4	11°37'	5°31'	15°49'	15°57'	9°36'	29°11'	T 4
F 5	12 53 19	15°14'45	4°25'9	1°42	29°46'	25°59'	19°36'	29°23'	27°7	11°38'	5°31'	15°49'	15°53'	9°43'	29°15'	F 5
S 6	12 57 15	16°13'36	18°57'	1°53	0°38'	26°32'	19°R36	29°31'	27°10'	11°39'	5°31'	15°46'	15°50'	9°49'	29°18'	S 6
S 7	13 1 12	17°12'26	3°12'24	1°R58	1°30'	27°6	19°36'	29°38'	27°13'	11°40'	5°32'	15°41'	15°47'	9°56'	29°22'	S 7
M 8	13 5 8	18°11'13	18°16'	1°56	2°23'	27°39'	19°35'	29°46'	27°17'	11°42'	5°32'	15°34'	15°44'	10°3	29°26'	M 8
T 9	13 9 5	19°9'58	3°27'	1°48	3°17'	28°13'	19°35'	29°53'	27°20'	11°43'	5°33'	15°24'	15°41'	10°9	29°29'	T 9
W10	13 13 1	20°8'40	18°47'	1°34	4°12'	28°47'	19°34'	0°8'1	27°23'	11°44'	5°33'	15°13'	15°38'	10°16	29°33'	W10
T 11	13 16 58	21°7'21	4°11'5	1°14	5°6	29°20'	19°33'	0°9	27°26'	11°45'	5°34'	15°2	15°34'	10°23	29°36'	T 11
F 12	13 20 54	22°6'00	19°9	0°50	6°2	29°54'	19°32'	0°16	27°30'	11°46'	5°34'	14°52'	15°31'	10°30	29°39'	F 12
S 13	13 24 51	23°4'38	3°17'50	0°21	6°58	0°28	19°31	0°24	27°33'	11°47'	5°35'	14°45'	15°28'	10°36	29°43'	S 13
S 14	13 28 48	24°3'13	18°3	29°48	7°54	1°2	19°29	0°31	27°36'	11°48'	5°35'	14°41'	15°25'	10°43	29°46'	S 14
M15	13 32 44	25°1'47	1°34'6	29°12	8°51	1°36	19°28	0°39	27°39'	11°49'	5°36'	14°39'	15°22'	10°50	29°50'	M15
T 16	13 36 41	26°0'19	15°1	28°33	9°48	2°10	19°26	0°47	27°42'	11°50'	5°37'	14°D38	15°18	10°56	29°53'	T 16
W17	13 40 37	26°58'50	27°50	27°53	10°46	2°44	19°24	0°54	27°45'	11°51'	5°37'	14°R38	15°15	11°3	29°57'	W17
T 18	13 44 34	27°57'19	10°18'19	27°12	11°44	3°18	19°21	1°2	27°48'	11°52'	5°38'	14°38	15°12	11°10	29°59'	T 18
F 19	13 48 30	28°55'46	22°32	26°30	12°43	3°52	19°19	1°10	27°51'	11°52'	5°39'	14°36	15°9	11°17	0°Y3	F 19
S 20	13 52 27	29°54'12	4°34	25°49	13°42	4°26	19°17	1°18	27°55'	11°53'	5°39'	14°31	15°6	11°23	0°6	S 20
S 21	13 56 23	0°52'36	16°29	25°10	14°41	5°1	19°14	1°25	27°58'	11°54'	5°40'	14°23	15°3	11°30	0°10	S 21
M22	14 0 20	1°50'58	28°20	24°32	15°41	5°35	19°11	1°33	28°1	11°55'	5°41'	14°13	14°59	11°37	0°13	M22
T23	14 4 17	2°49'19	10°Y11	23°57	16°41	6°9	19°8	1°41	28°4	11°56'	5°42'	14°2	14°56	11°44	0°16	T23
W24	14 8 13	3°47'38	22°4	23°25	17°41	6°44	19°4	1°48	28°6	11°56'	5°42'	13°49	14°53	11°50	0°19	W24
T25	14 12 10	4°45'55	4°8	22°56	18°42	7°18	19°1	1°56	28°9	11°57'	5°43'	13°36	14°50	11°57	0°23	T25
F 26	14 16 6	5°44'10	16°0	22°31	19°43	7°53	18°57	2°4	28°12	11°58'	5°44'	13°24	14°47	12°4	0°26	F 26
S 27	14 20 3	6°42'24	28°6	22°11	20°45	8°27	18°54	2°11	28°15	11°58'	5°45'	13°14	14°44	12°10	0°29	S 27
S 28	14 23 59	7°40'36	10°11'19	21°55	21°46	9°2	18°50	2°19	28°18	11°59'	5°46'	13°7	14°40	12°17	0°32	S 28
M29	14 27 56	8°38'46	22°42	21°43	22°48	9°37	18°45	2°27	28°21	11°59'	5°47'	13°2	14°37	12°24	0°35	M29
T30	14 31 52	9°36'54	5°16'16	21°Y36	23°35'50	10°31'11	18°34'1	2°34	28°32'4	12°00'0	5°48	13°3	14°34	12°Y31	0°Y38	T 30

ASTRODIENST EPHEMERIS for the year 1675  
geocentric

MAY 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 35 49	10♈35'00	18♉5	21°D34	24♊53	10♈46	18°R37	2♈42	28♊26	12♋0	5♈48	13°D0	14♈31	12♊37	0♊41	W 1
T 2	14 39 46	11°33'04	1♈11	21°Y37	25°55	11°21	18♊32	2°50	28°29	12°1	5°49	13♈1	14°28	12°44	0°44	T 2
F 3	14 43 42	12°31'07	14°38	21°44	26°58	11°56	18°27	2°57	28°32	12°1	5°50	13°R1	14°24	12°51	0°47	F 3
S 4	14 47 39	13°29'07	28°28	21°56	28°1	12°31	18°22	3°5	28°34	12°1	5°51	13°0	14°21	12°58	0°50	S 4
S 5	14 51 35	14°27'05	12♊42	22°13	29°5	13°6	18°17	3°13	28°37	12°2	5°52	12°57	14°18	13°4	0°53	S 5
M 6	14 55 32	15°25'02	27°18	22°34	0♊8	13°41	18°12	3°20	28°40	12°2	5°53	12°52	14°15	13°11	0°56	M 6
T 7	14 59 28	16°22'56	12♊12	22°59	1°12	14°16	18°7	3°28	28°42	12°2	5°54	12°45	14°12	13°18	0°58	T 7
W 8	15 3 25	17°20'49	27°17	23°29	2°16	14°51	18°1	3°35	28°45	12°2	5°55	12°37	14°9	13°24	1°1	W 8
T 9	15 7 21	18°18'40	12♊24	24°3	3°20	15°26	17°56	3°43	28°47	12°3	5°57	12°29	14°5	13°31	1°4	T 9
F 10	15 11 18	19°16'30	27°21	24°40	4°25	16°1	17°50	3°50	28°50	12°3	5°58	12°22	14°2	13°38	1°7	F 10
S 11	15 15 15	20°14'19	12♊0	25°22	5°30	16°36	17°44	3°58	28°52	12°3	5°59	12°16	13°59	13°45	1°9	S 11
S 12	15 19 11	21°12'06	26°16	26°7	6°34	17°11	17°38	4°5	28°55	12°3	6°0	12°13	13°56	13°51	1°12	S 12
M13	15 23 8	22°9'52	10♈4	26°56	7°39	17°46	17°32	4°13	28°57	12°3	6°1	12°D12	13°53	13°58	1°15	M13
T 14	15 27 4	23°7'37	23°24	27°48	8°45	18°22	17°26	4°20	28°59	12°3	6°2	12°12	13°50	14°5	1°17	T 14
W15	15 31 1	24°5'20	6♊19	28°43	9°50	18°57	17°19	4°28	29°2	12°R3	6°3	12°13	13°46	14°11	1°20	W15
T 16	15 34 57	25°3'03	18°52	29°42	10°56	19°32	17°13	4°35	29°4	12°3	6°4	12°14	13°43	14°18	1°22	T 16
F 17	15 38 54	26°0'44	1♊8	0♊44	12°1	20°7	17°6	4°42	29°6	12°3	6°6	12°R15	13°40	14°25	1°25	F 17
S 18	15 42 50	26°58'24	13°11	1°49	13°7	20°43	17°0	4°50	29°8	12°3	6°7	12°13	13°37	14°32	1°27	S 18
S 19	15 46 47	27°56'03	25°6	2°56	14°13	21°18	16°53	4°57	29°10	12°3	6°8	12°10	13°34	14°38	1°29	S 19
M20	15 50 44	28°53'42	6♊58	4°7	15°20	21°54	16°46	5°4	29°13	12°3	6°9	12°4	13°30	14°45	1°32	M20
T 21	15 54 40	29°51'19	18°49	5°21	16°26	22°29	16°39	5°12	29°15	12°2	6°11	11°58	13°27	14°52	1°34	T 21
W22	15 58 37	0♊48'55	0♊45	6°37	17°32	23°5	16°32	5°19	29°17	12°2	6°12	11°50	13°24	14°59	1°36	W22
T 23	16 2 33	1°46'30	12°46	7°56	18°39	23°40	16°25	5°26	29°19	12°2	6°13	11°43	13°21	15°5	1°38	T 23
F 24	16 6 30	2°44'04	24°54	9°18	19°46	24°16	16°18	5°33	29°21	12°2	6°14	11°36	13°18	15°12	1°41	F 24
S 25	16 10 26	3°41'37	7♊12	10°42	20°53	24°52	16°10	5°40	29°23	12°1	6°16	11°31	13°15	15°19	1°43	S 25
S 26	16 14 23	4°39'09	19°39	12°9	22°0	25°27	16°3	5°47	29°24	12°1	6°17	11°27	13°11	15°25	1°45	S 26
M27	16 18 19	5°36'40	2♊17	13°38	23°7	26°3	15°56	5°54	29°26	12°1	6°18	11°25	13°8	15°32	1°47	M27
T 28	16 22 16	6°34'10	15°8	15°11	24°14	26°39	15°48	6°1	29°28	12°0	6°20	11°D25	13°5	15°39	1°49	T 28
W29	16 26 13	7°31'38	28°11	16°45	25°22	27°14	15°41	6°8	29°30	12°0	6°21	11°25	13°2	15°46	1°51	W29
T 30	16 30 9	8°29'06	11♊29	18°22	26°29	27°50	15°33	6°15	29°32	11°59	6°22	11°27	12°59	15°52	1°53	T 30
F 31	16 34 6	9♊26'32	25♊2	20♊8	27°Y37	28♊26	15♊26	6♊22	29♊33	11♋59	6♊24	11♊28	12♊56	15°Y59	1°Y55	F 31

Delta T = 26.41 sec

Greg. Calendar

JUNE 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 2	10♊23'56	8♊52	21♊44	28°Y44	29♊2	15°R18	6♊29	29♊35	11°R58	6♊25	11°R29	12♊52	16°Y6	1°Y56	S 1
S 2	16 41 59	11°21'20	22°58	23°29	29°52	29°38	15♊10	6°36	29°36	11°58	6°26	11♊28	12°49	16°13	1°58	S 2
M 3	16 45 55	12°18'42	7♊20	25°16	1♊0	0♊14	15°3	6°43	29°38	11°57	6°28	11°27	12°46	16°19	2°0	M 3
T 4	16 49 52	13°16'03	21°54	27°6	2°8	0°50	14°55	6°49	29°39	11°56	6°29	11°24	12°43	16°26	2°1	T 4
W 5	16 53 48	14°13'24	6♊35	28°58	3°16	1°26	14°48	6°56	29°41	11°56	6°31	11°20	12°40	16°33	2°3	W 5
T 6	16 57 45	15°10'43	21°17	0♊53	4°24	2°2	14°40	7°3	29°42	11°55	6°32	11°17	12°36	16°39	2°5	T 6
F 7	17 1 42	16°8'02	5♊53	2°49	5°33	2°38	14°32	7°9	29°44	11°54	6°33	11°13	12°33	16°46	2°6	F 7
S 8	17 5 38	17°5'19	20°16	4°48	6°41	3°14	14°25	7°16	29°45	11°54	6°35	11°11	12°30	16°53	2°8	S 8
S 9	17 9 35	18°2'37	4♊21	6°50	7°50	3°50	14°17	7°22	29°46	11°53	6°36	11°D10	12°27	17°0	2°9	S 9
M10	17 13 31	18°59'53	18°4	8°53	8°58	4°26	14°9	7°29	29°47	11°52	6°38	11°10	12°24	17°6	2°10	M10
T 11	17 17 28	19°57'09	1♊24	10°58	10°7	5°2	14°2	7°35	29°49	11°51	6°39	11°11	12°21	17°13	2°12	T 11
W12	17 21 24	20°54'25	14°21	13°4	11°16	5°38	13°54	7°41	29°50	11°50	6°41	11°12	12°17	17°20	2°13	W12
T 13	17 25 21	21°51'40	26°57	15°13	12°25	6°14	13°47	7°48	29°51	11°50	6°42	11°14	12°14	17°26	2°14	T 13
F 14	17 29 18	22°48'55	9♊15	17°22	13°34	6°50	13°39	7°54	29°52	11°49	6°44	11°15	12°11	17°33	2°15	F 14
S 15	17 33 14	23°46'09	21°21	19°32	14°43	7°27	13°32	8°0	29°53	11°48	6°45	11°R15	12°8	17°40	2°17	S 15
S 16	17 37 11	24°43'24	3°Y18	21°43	15°52	8°3	13°24	8°6	29°54	11°47	6°47	11°15	12°5	17°47	2°18	S 16
M17	17 41 7	25°40'38	15°11	23°54	17°1	8°39	13°17	8°12	29°55	11°46	6°48	11°14	12°1	17°53	2°19	M17
T 18	17 45 4	26°37'52	27°5	26°6	18°10	9°16	13°10	8°18	29°56	11°45	6°50	11°13	11°58	18°0	2°20	T 18
W19	17 49 0	27°35'06	9♊3	28°17	19°20	9°52	13°2	8°24	29°56	11°44	6°51	11°11	11°55	18°7	2°20	W19
T 20	17 52 57	28°32'20	21°9	0♊28	20°29	10°28	12°55	8°30	29°57	11°43	6°53	11°9	11°52	18°14	2°21	T 20
F 21	17 56 53	29°29'34	3♊25	2°39	21°39	11°5	12°48	8°36	29°58	11°42	6°54	11°7	11°49	18°20	2°22	F 21
S 22	18 0 50	0♊26'48	15°55	4°48	22°48	11°41	12°41	8°42	29°58	11°40	6°56	11°6	11°46	18°27	2°23	S 22
S 23	18 4 47	1°24'02	28°38	6°57	23°58	12°18	12°34	8°47	29°59	11°39	6°57	11°5	11°42	18°34	2°24	S 23
M24	18 8 43	2°21'15	11♊36	9°4	25°8	12°54	12°27	8°53	29°59	11°38	6°59	11°D5	11°39	18°40	2°24	M24
T 25	18 12 40	3°18'28	24°49	11°9	26°17	13°31	12°21	8°59	0°Y0	11°37	7°0	11°5	11°36	18°47	2°25	T 25
W26	18 16 36	4°15'41	8♊15	13°14	27°27	14°8	12°14	9°4	0°1	11°36	7°2	11°6	11°33	18°54	2°25	W26
T 27	18 20 33	5°12'53	21°54	15°16	28°37	14°44	12°7	9°10	0°1	11°35	7°3	11°7	11°30	19°1	2°26	T 27
F 28	18 24 29	6°10'06	5♊44	17°17	29°47	15°21	12°1	9°15	0°1	11°33	7°5	11°7	11°27	19°7	2°26	F 28
S 29	18 28 26	7°7'18	19°45	19°15	0♊57	15°58	11°55	9°20	0°2	11°32	7°6	11°7	11°23	19°14	2°27	S 29
S 30	18 32 22	8°5'42'9	3♊53	21♊12	2♊8	16♊34	11♊48	9♊25	0°Y2	11°31	7°8	11°R7	11♊20	19°Y21	2°Y27	S 30

Delta T = 26.36 sec

Greg. Calendar

## ASTRODIENST EPHEMERIS for the year 1675

geocentric

JULY 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 36 19	9°58'14"	18°58'08"	23°58'07"	3°11'18"	17°01'11"	11°04'42"	9°31'31"	0°07'22"	11°03'30"	7°58'09"	11°07'07"	11°03'17"	19°07'28"	2°07'27"	M 1
T 2	18 40 16	9°58'51"	2°00'26"	25°01'01"	4°28'08"	17°48'11"	11°03'36"	9°36'00"	0°02'11"	11°02'28"	7°11'11"	11°03'07"	11°01'14"	19°34'02"	2°27'02"	T 2
W 3	18 44 12	10°56'02"	16°44'02"	26°52'05"	5°38'08"	18°25'08"	11°03'30"	9°41'00"	0°02'11"	11°02'27"	7°12'07"	11°03'07"	11°01'11"	19°41'02"	2°28'02"	W 3
T 4	18 48 09	11°53'13"	0°07'59"	28°41'06"	6°49'19"	19°01'11"	11°02'25"	9°46'00"	0°03'11"	11°02'26"	7°14'07"	11°03'07"	11°01'07"	19°48'02"	2°28'02"	T 4
F 5	18 52 05	12°50'24"	15°07'00"	0°02'28"	7°59'19"	19°38'11"	11°01'19"	9°50'00"	0°03'11"	11°02'24"	7°15'07"	11°03'07"	11°01'04"	19°54'02"	2°28'02"	F 5
S 6	18 56 02	13°47'35"	29°05'05"	2°13'09"	9°10'20"	20°15'11"	11°01'14"	9°55'00"	0°03'11"	11°02'23"	7°17'07"	11°03'07"	11°01'01"	20°01'02"	2°28'02"	S 6
S 7	18 59 58	14°44'46"	12°34'49"	3°56'10"	10°20'20"	20°52'11"	11°00'08"	10°00'00"	0°03'11"	11°02'21"	7°18'07"	11°03'07"	10°58'08"	20°08'08"	2°28'02"	S 7
M 8	19 03 55	15°41'57"	26°17'07"	5°37'11"	11°31'21"	21°29'11"	11°00'03"	10°04'00"	0°02'11"	11°02'20"	7°20'07"	11°03'07"	10°55'08"	20°15'02"	2°28'02"	M 8
T 9	19 07 52	16°39'09"	9°02'26"	7°17'12"	12°42'22"	22°06'10"	10°58'08"	10°09'00"	0°02'11"	11°02'19"	7°21'07"	11°03'07"	10°52'08"	20°21'02"	2°27'02"	T 9
W10	19 11 48	17°36'20"	22°18'08"	8°54'13"	13°53'22"	22°43'10"	10°53'08"	10°13'00"	0°02'11"	11°02'17"	7°23'07"	11°03'07"	10°48'08"	20°28'02"	2°27'02"	W10
T 11	19 15 45	18°33'33"	4°05'52"	10°29'15"	15°03'23"	23°20'10"	10°49'08"	10°18'00"	0°02'11"	11°02'16"	7°24'07"	11°03'07"	10°45'08"	20°35'02"	2°27'02"	T 11
F 12	19 19 41	19°30'46"	17°11'01"	12°02'16"	16°14'23"	23°57'10"	10°44'08"	10°22'00"	0°01'11"	11°02'14"	7°26'07"	11°03'07"	10°42'08"	20°41'02"	2°27'02"	F 12
S 13	19 23 38	20°27'59"	29°17'13"	13°34'17"	17°25'24"	24°34'10"	10°40'08"	10°26'00"	0°01'11"	11°02'13"	7°27'07"	11°03'07"	10°39'08"	20°48'02"	2°26'02"	S 13
S 14	19 27 34	21°25'13"	11°15'15"	15°03'18"	18°36'25"	25°11'10"	10°35'08"	10°30'00"	0°01'11"	11°02'11"	7°29'07"	11°03'07"	10°36'08"	20°55'02"	2°26'02"	S 14
M15	19 31 31	22°22'28"	23°09'16"	16°30'19"	19°47'25"	25°48'10"	10°31'08"	10°34'00"	0°00'11"	11°02'10"	7°30'07"	11°03'07"	10°33'08"	21°02'02"	2°25'02"	M15
T 16	19 35 27	23°19'44"	5°08'03"	17°55'20"	20°59'26"	26°25'10"	10°27'08"	10°38'29"	0°05'11"	11°02'08"	7°32'07"	11°03'07"	10°29'08"	21°08'02"	2°25'02"	T 16
W17	19 39 24	24°17'00"	17°02'19"	19°19'22"	22°10'27"	27°03'10"	10°24'08"	10°42'29"	0°05'11"	11°02'07"	7°33'07"	11°03'07"	10°26'08"	21°15'02"	2°24'02"	W17
T 18	19 43 20	25°14'18"	29°10'20"	20°40'23"	23°21'27"	27°40'10"	10°20'08"	10°46'29"	0°05'11"	11°02'05"	7°35'07"	11°03'07"	10°23'08"	21°22'02"	2°24'02"	T 18
F 19	19 47 17	26°11'36"	11°11'32"	21°58'24"	23°31'28"	28°17'10"	10°16'08"	10°50'29"	0°05'11"	11°02'04"	7°36'07"	11°03'07"	10°20'08"	21°29'02"	2°23'02"	F 19
S 20	19 51 14	27°08'55"	24°10'23"	23°15'25"	25°44'28"	28°54'10"	10°13'08"	10°53'29"	0°05'11"	11°02'02"	7°37'07"	11°03'07"	10°17'08"	21°35'02"	2°22'02"	S 20
S 21	19 55 10	28°06'15"	7°58'07"	24°29'26"	26°55'29"	29°32'10"	10°10'08"	10°57'29"	0°05'11"	11°02'00"	7°39'07"	11°03'07"	10°13'08"	21°42'02"	2°21'02"	S 21
M22	19 59 07	29°03'36"	20°23'25"	25°41'28"	28°07'00"	0°09'10"	10°07'08"	11°00'29"	0°05'11"	11°02'00"	7°40'07"	11°03'07"	10°10'08"	21°49'02"	2°21'02"	M22
T 23	20 03 03	0°05'00"	3°02'58"	26°51'29"	29°19'04"	0°46'10"	10°04'08"	11°00'29"	0°05'11"	11°02'00"	7°42'07"	11°03'07"	10°07'08"	21°55'02"	2°20'02"	T 23
W24	20 07 00	0°58'19"	17°51'27"	27°58'00"	30'12"	1°24'10"	10°02'08"	11°00'29"	0°05'11"	11°02'00"	7°43'07"	11°03'07"	10°05'08"	22°02'02"	2°19'02"	W24
T 25	20 10 56	1°55'42"	1°05'57"	29°03'14"	2°01'10"	2°01'10"	10°00'08"	11°00'29"	0°05'11"	11°02'00"	7°45'07"	11°03'07"	10°02'08"	22°09'02"	2°18'02"	T 25
F 26	20 14 53	2°53'05"	16°13'00"	0°05'29"	2°54'23"	2°39'09"	9°57'08"	11°01'13"	0°05'11"	11°02'00"	7°46'07"	11°03'07"	10°59'08"	22°16'02"	2°17'02"	F 26
S 27	20 18 50	3°50'29"	0°05'34"	1°04'04"	4°05'31"	3°16'09"	9°55'08"	11°01'16"	0°05'11"	11°02'00"	7°47'07"	11°03'07"	10°57'08"	22°22'02"	2°16'02"	S 27
S 28	20 22 46	4°47'54"	14°55'02"	2°01'05"	5°17'31"	3°54'09"	9°53'08"	11°01'19"	0°05'11"	11°02'00"	7°49'07"	11°03'07"	10°55'08"	22°29'02"	2°14'02"	S 28
M29	20 26 43	5°45'19"	29°13'02"	2°54'06"	6°29'43"	4°31'09"	9°52'08"	11°02'22"	0°05'11"	11°02'00"	7°50'07"	11°03'07"	10°53'08"	22°36'02"	2°13'02"	M29
T 30	20 30 39	6°42'45"	13°11'24"	3°44'07"	7°41'05"	5°09'09"	9°50'08"	11°02'24"	0°05'11"	11°02'00"	7°51'07"	11°03'07"	10°53'08"	22°42'02"	2°12'02"	T 30
W31	20 34 36	7°40'12"	27°11'27"	4°03'31"	8°53'08"	5°09'47"	9°49'08"	11°02'27"	0°05'11"	11°02'00"	7°53'07"	11°03'07"	10°53'08"	22°49'02"	2°11'02"	W31

Delta T = 26.31 sec

Greg. Calendar

AUGUST 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 32	8♠37'39	11♠20	5♠15	10♠5	6♠24	9°R48	11♠29	29°R46	10°R43	7♠54	10♠56	9♠39	22°Y56	2°R 9	T 1
F 2	20 42 29	9°35'07	25° 3	5°54	11°17	7° 2	9♠47	11°32	29♠44	10♠41	7°55	10°57	9°35	23° 3	2°Y 8	F 2
S 3	20 46 25	10°32'36	8♠34	6°30	12°29	7°40	9°46	11°34	29°43	10°39	7°57	10°R58	9°32	23° 9	2° 6	S 3
S 4	20 50 22	11°30'06	21°53	7° 2	13°42	8°18	9°46	11°36	29°42	10°38	7°58	10°58	9°29	23°16	2° 5	S 4
M 5	20 54 19	12°27'37	5♠0	7°30	14°54	8°55	9°45	11°38	29°40	10°36	7°59	10°56	9°26	23°23	2° 3	M 5
T 6	20 58 15	13°25'09	17°53	7°53	16° 6	9°33	9°D45	11°40	29°39	10°35	8° 1	10°52	9°23	23°29	2° 2	T 6
W 7	21 2 12	14°22'42	0♠33	8°12	17°19	10°11	9°45	11°42	29°37	10°33	8° 2	10°47	9°19	23°36	2° 0	W 7
T 8	21 6 8	15°20'16	12°59	8°26	18°31	10°49	9°45	11°44	29°36	10°31	8° 3	10°41	9°16	23°43	1°59	T 8
F 9	21 10 5	16°17'51	25°14	8°34	19°44	11°27	9°46	11°46	29°34	10°30	8° 4	10°35	9°13	23°50	1°57	F 9
S 10	21 14 1	17°15'28	7°Y18	8°R38	20°56	12° 5	9°46	11°47	29°33	10°28	8° 6	10°30	9°10	23°56	1°55	S 10
S 11	21 17 58	18°13'07	19°15	8°36	22° 9	12°43	9°47	11°49	29°31	10°26	8° 7	10°25	9° 7	24° 3	1°53	S 11
M12	21 21 54	19°10'47	1♠ 7	8°29	23°21	13°21	9°48	11°50	29°30	10°25	8° 8	10°21	9° 4	24°10	1°51	M12
T 13	21 25 51	20° 8'28	13° 0	8°15	24°34	13°59	9°49	11°51	29°28	10°23	8° 9	10°20	9° 0	24°17	1°50	T 13
W14	21 29 47	21° 6'12	24°57	7°57	25°47	14°37	9°51	11°53	29°26	10°22	8°10	10°D19	8°57	24°23	1°48	W14
T 15	21 33 44	22° 3'57	7II 4	7°32	27° 0	15°15	9°52	11°54	29°24	10°20	8°12	10°20	8°54	24°30	1°46	T 15
F 16	21 37 41	23° 1'43	19°26	7° 2	28°13	15°53	9°54	11°54	29°23	10°18	8°13	10°22	8°51	24°37	1°44	F 16
S 17	21 41 37	23°59'31	2♠ 6	6°27	29°26	16°32	9°56	11°55	29°21	10°17	8°14	10°23	8°48	24°43	1°42	S 17
S 18	21 45 34	24°57'21	15° 9	5°47	0♠39	17°10	9°58	11°56	29°19	10°15	8°15	10°R23	8°45	24°50	1°40	S 18
M19	21 49 30	25°55'13	28°37	5° 2	1°52	17°48	10° 0	11°57	29°17	10°14	8°16	10°22	8°41	24°57	1°37	M19
T 20	21 53 27	26°53'06	12♠30	4°14	3° 5	18°26	10° 2	11°57	29°15	10°12	8°17	10°18	8°38	25° 4	1°35	T 20
W21	21 57 23	27°51'01	26°45	3°22	4°18	19° 5	10° 5	11°58	29°13	10°11	8°18	10°13	8°35	25°10	1°33	W21
T 22	22 1 20	28°48'57	11♠18	2°28	5°31	19°43	10° 8	11°58	29°11	10° 9	8°19	10° 6	8°32	25°17	1°31	T 22
F 23	22 5 17	29°46'54	26° 1	1°33	6°44	20°22	10°10	11°58	29° 9	10° 8	8°20	9°58	8°29	25°24	1°29	F 23
S 24	22 9 13	0♠44'53	10♠48	0°38	7°58	21° 0	10°14	11°R58	29° 7	10° 6	8°21	9°51	8°25	25°30	1°26	S 24
S 25	22 13 10	1°42'54	25°29	29♠44	9°11	21°39	10°17	11°58	29° 5	10° 5	8°22	9°45	8°22	25°37	1°24	S 25
M26	22 17 6	2°40'56	10♠0	28°52	10°24	22°17	10°20	11°58	29° 3	10° 3	8°23	9°40	8°19	25°44	1°22	M26
T 27	22 21 3	3°38'59	24°15	28° 3	11°38	22°56	10°24	11°58	29° 1	10° 2	8°24	9°38	8°16	25°51	1°19	T 27
W28	22 24 59	4°37'04	8♠14	27°19	12°51	23°34	10°28	11°57	28°59	10° 0	8°25	9°D38	8°13	25°57	1°17	W28
T 29	22 28 56	5°35'10	21°55	26°40	14° 5	24°13	10°32	11°57	28°57	9°59	8°26	9°39	8°10	26° 4	1°14	T 29
F 30	22 32 52	6°33'17	5♠21	26° 8	15°18	24°52	10°36	11°56	28°55	9°57	8°27	9°R39	8° 6	26°11	1°12	F 30
S 31	22 36 49	7♠31'26	18♠31	25♠43	16♠32	25♠30	10♠40	11♠56	28♠53	9♠56	8♠28	9♠39	8♠3	26°Y17	1°Y10	S 31

# ASTRODIENST EPHEMERIS for the year 1675

## geocentric

SEPTEMBER 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 46	8 <sup>h</sup> 29'37"	1 <sup>h</sup> 29'	25°R26	17 <sup>h</sup> 45'	26 <sup>h</sup> 9'	10 <sup>h</sup> 45'	11°R55	28°R50	9°R54	8 <sup>h</sup> 29'	9°R37	8 <sup>h</sup> 30'	26 <sup>h</sup> 24'	1°R 7	S 1
M 2	22 44 42	9°27'49"	14°14'	25°D17	18°59'	26°48'	10°49'	11 <sup>h</sup> 54'	28 <sup>h</sup> 48'	9 <sup>h</sup> 53'	8°30'	9 <sup>h</sup> 32'	7°57'	26°31'	1°Y 4	M 2
T 3	22 48 39	10°26'02"	26°50'	25 <sup>h</sup> 17'	20°13'	27°27'	10°54'	11°53'	28°46'	9°52'	8°30'	9°25'	7°54'	26°38'	1° 2	T 3
W 4	22 52 35	11°24'17"	9 <sup>h</sup> 15'	25°26'	21°27'	28° 6'	10°59'	11°52'	28°44'	9°50'	8°31'	9°15'	7°51'	26°44'	0°59'	W 4
T 5	22 56 32	12°22'34"	21°30'	25°44'	22°40'	28°45'	11° 4'	11°51'	28°41'	9°49'	8°32'	9° 4'	7°47'	26°51'	0°57'	T 5
F 6	23 0 28	13°20'53"	3 <sup>h</sup> Y38'	26°11'	23°54'	29°24'	11°10'	11°50'	28°39'	9°48'	8°33'	8°52'	7°44'	26°58'	0°54'	F 6
S 7	23 4 25	14°19'14"	15°37'	26°46'	25° 8'	0 <sup>h</sup> 2	11°15'	11°48'	28°37'	9°47'	8°34'	8°41'	7°41'	27° 4'	0°51'	S 7
S 8	23 8 21	15°17'37"	27°31'	27°30'	26°22'	0°41'	11°21'	11°47'	28°34'	9°45'	8°34'	8°30'	7°38'	27°11'	0°49'	S 8
M 9	23 12 18	16°16'02"	9 <sup>h</sup> 22'	28°22'	27°36'	1°21'	11°27'	11°45'	28°32'	9°44'	8°35'	8°22'	7°35'	27°18'	0°46'	M 9
T 10	23 16 14	17°14'29"	21°12'	29°22'	28°50'	2° 0'	11°32'	11°43'	28°30'	9°43'	8°36'	8°17'	7°31'	27°25'	0°43'	T 10
W11	23 20 11	18°12'58"	3 <sup>h</sup> II 7'	0 <sup>h</sup> 28'	0 <sup>h</sup> 4'	2°39'	11°39'	11°42'	28°27'	9°42'	8°36'	8°14'	7°28'	27°31'	0°41'	W11
T 12	23 24 8	19°11'29"	15°11'	1°42'	1°18'	3°18'	11°45'	11°40'	28°25'	9°40'	8°37'	8°D12'	7°25'	27°38'	0°38'	T 12
F 13	23 28 4	20°10'03"	27°30'	3° 1'	2°32'	3°57'	11°51'	11°38'	28°23'	9°39'	8°38'	8°12'	7°22'	27°45'	0°35'	F 13
S 14	23 32 1	21° 8'39"	10 <sup>h</sup> 28'	4°25'	3°47'	4°36'	11°58'	11°36'	28°20'	9°38'	8°38'	8°R13'	7°19'	27°51'	0°33'	S 14
S 15	23 35 57	22° 7'17"	23° 9'	5°55'	5° 1'	5°16'	12° 4'	11°33'	28°18'	9°37'	8°39'	8°12'	7°16'	27°58'	0°30'	S 15
M16	23 39 54	23° 5'57"	6 <sup>h</sup> 238'	7°28'	6°15'	5°55'	12°11'	11°31'	28°15'	9°36'	8°39'	8° 9'	7°12'	28° 5'	0°27'	M16
T 17	23 43 50	24° 4'39"	20°36'	9° 5'	7°29'	6°34'	12°18'	11°29'	28°13'	9°35'	8°40'	8° 4'	7° 9'	28°12'	0°24'	T 17
W18	23 47 47	25° 3'24"	5 <sup>h</sup> 21'	10°45'	8°44'	7°14'	12°25'	11°26'	28°11'	9°34'	8°40'	7°56'	7° 6'	28°18'	0°21'	W18
T 19	23 51 43	26° 2'10"	19°51'	12°27'	9°58'	7°53'	12°33'	11°24'	28° 8'	9°33'	8°41'	7°46'	7° 3'	28°25'	0°19'	T 19
F 20	23 55 40	27° 0'59"	4 <sup>h</sup> 255'	14°11'	11°13'	8°33'	12°40'	11°21'	28° 6'	9°32'	8°41'	7°35'	7° 0'	28°32'	0°16'	F 20
S 21	23 59 37	27°59'50"	20° 5'	15°57'	12°27'	9°12'	12°48'	11°18'	28° 3'	9°31'	8°42'	7°24'	6°56'	28°38'	0°13'	S 21
S 22	0 3 33	28°58'42"	5 <sup>h</sup> 21'	17°44'	13°42'	9°52'	12°55'	11°15'	28° 1'	9°30'	8°42'	7°14'	6°53'	28°45'	0°10'	S 22
M23	0 7 30	29°57'36"	19°58'	19°32'	14°56'	10°32'	13° 3'	11°12'	27°59'	9°29'	8°42'	7° 8'	6°50'	28°52'	0° 7'	M23
T 24	0 11 26	0 <sup>h</sup> 56'33"	4 <sup>h</sup> 27'	21°20'	16°11'	11°11'	13°11'	11° 9'	27°56'	9°28'	8°43'	7° 3'	6°47'	28°59'	0° 5'	T 24
W25	0 15 23	1°55'31"	18°32'	23° 9'	17°25'	11°51'	13°19'	11° 6'	27°54'	9°27'	8°43'	7° 2'	6°44'	29° 5'	0° 2'	W25
T 26	0 19 19	2°54'30"	2 <sup>h</sup> 313'	24°57'	18°40'	12°31'	13°27'	11° 3'	27°51'	9°27'	8°44'	7° 1'	6°41'	29°12'	29 <sup>h</sup> 59'	T 26
F 27	0 23 16	3°53'32"	15°32'	26°46'	19°54'	13°11'	13°36'	11° 0'	27°49'	9°26'	8°44'	7° 1'	6°37'	29°19'	29°56'	F 27
S 28	0 27 12	4°52'35"	28°32'	28°35'	21° 9'	13°50'	13°44'	10°56'	27°47'	9°25'	8°44'	7° 0'	6°34'	29°25'	29°53'	S 28
S 29	0 31 9	5°51'40"	11 <sup>h</sup> 215'	0 <sup>h</sup> 23'	22°24'	14°30'	13°53'	10°53'	27°44'	9°24'	8°44'	6°57'	6°31'	29°32'	29°51'	S 29
M30	0 35 6	6 <sup>h</sup> 50'46"	23 <sup>h</sup> 246'	2 <sup>h</sup> 10'	23 <sup>h</sup> 38'	15 <sup>h</sup> 10'	14 <sup>h</sup> 2'	10 <sup>h</sup> 8'49"	27 <sup>h</sup> 42'	9 <sup>h</sup> 24'	8 <sup>h</sup> 45'	6 <sup>h</sup> 51'	6 <sup>h</sup> 28'	29 <sup>h</sup> Y39'	29 <sup>h</sup> 48'	M30

Delta T = 26.21 sec

Greg. Calendar

OCTOBER 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 2	7 <sup>h</sup> 29'55"	6 <sup>h</sup> 16'	3 <sup>h</sup> 257'	24 <sup>h</sup> 53'	15 <sup>h</sup> 50'	14 <sup>h</sup> 10'	10°R46	27°R39	9°R23	8 <sup>h</sup> 45'	6°R42	6 <sup>h</sup> 25'	29 <sup>h</sup> Y46'	29°R45	T 1
W 2	0 42 59	8°49'05"	18°18'	5°44'	26° 8'	16°30'	14°19'	10 <sup>h</sup> 42'	27 <sup>h</sup> 37'	9 <sup>h</sup> 22'	8°45'	6°30'	6°22'	29°52'	29 <sup>h</sup> 44'	W 2
T 3	0 46 55	9°48'18"	0 <sup>h</sup> Y23'	7°30'	27°23'	17°10'	14°29'	10°38'	27°35'	9°22'	8°45'	6°17'	6°18'	29°59'	29°40'	T 3
F 4	0 50 52	10°47'32"	12°22'	9°15'	28°38'	17°50'	14°38'	10°34'	27°32'	9°21'	8°45'	6° 2'	6°15'	0 <sup>h</sup> 8' 6'	29°37'	F 4
S 5	0 54 48	11°46'48"	24°17'	10°59'	29°52'	18°30'	14°47'	10°31'	27°30'	9°21'	8°45'	5°48'	6°12'	0°12'	29°34'	S 5
S 6	0 58 45	12°46'07"	6 <sup>h</sup> 8' 9'	12°43'	1 <sup>h</sup> 2	19°11'	14°57'	10°27'	27°28'	9°20'	8°45'	5°35'	6° 9'	0°19'	29°31'	S 6
M 7	1 2 41	13°45'28"	17°59'	14°26'	2°22'	19°51'	15° 6'	10°23'	27°25'	9°20'	8°46'	5°25'	6° 6'	0°26'	29°29'	M 7
T 8	1 6 38	14°44'51"	29°50'	16° 8'	3°37'	20°31'	15°16'	10°19'	27°23'	9°19'	8°46'	5°18'	6° 2'	0°33'	29°26'	T 8
W 9	1 10 34	15°44'16"	11 <sup>h</sup> II45'	17°50'	4°52'	21°11'	15°26'	10°14'	27°21'	9°19'	8°R46'	5°13'	5°59'	0°39'	29°23'	W 9
T 10	1 14 31	16°43'44"	23°49'	19°31'	6° 7'	21°52'	15°35'	10°10'	27°19'	9°18'	8°46'	5°11'	5°56'	0°46'	29°21'	T 10
F 11	1 18 28	17°43'14"	6 <sup>h</sup> 5	21°11'	7°22'	22°32'	15°45'	10° 6'	27°16'	9°18'	8°46'	5°D11'	5°53'	0°53'	29°18'	F 11
S 12	1 22 24	18°42'46"	18°38'	22°51'	8°37'	23°13'	15°55'	10° 2'	27°14'	9°18'	8°46'	5°R11'	5°50'	0°59'	29°16'	S 12
S 13	1 26 21	19°42'21"	1 <sup>h</sup> 234'	24°30'	9°52'	23°53'	16° 6'	9°57'	27°12'	9°17'	8°45'	5°10'	5°47'	1° 6'	29°13'	S 13
M14	1 30 17	20°41'57"	14°57'	26° 8'	11° 7'	24°34'	16°16'	9°53'	27°10'	9°17'	8°45'	5° 8'	5°43'	1°13'	29°10'	M14
T 15	1 34 14	21°41'36"	28°49'	27°45'	12°22'	25°14'	16°26'	9°48'	27° 8'	9°17'	8°45'	5° 3'	5°40'	1°19'	29° 8'	T 15
W16	1 38 10	22°41'18"	13 <sup>h</sup> 211'	29°22'	13°37'	25°55'	16°37'	9°44'	27° 6'	9°17'	8°45'	4°56'	5°37'	1°26'	29° 5'	W16
T 17	1 42 7	23°41'01"	28° 0'	0 <sup>h</sup> 59'	14°52'	26°35'	16°47'	9°39'	27° 4'	9°16'	8°45'	4°47'	5°34'	1°33'	29° 3'	T 17
F 18	1 46 3	24°40'47"	13 <sup>h</sup> 2	9°234'	16° 8'	27°16'	16°58'	9°35'	27° 1'	9°16'	8°45'	4°37'	5°31'	1°40'	29° 0'	F 18
S 19	1 50 0	25°40'35"	28°29'	4°10'	17°23'	27°57'	17° 9'	9°30'	26°59'	9°16'	8°44'	4°26'	5°28'	1°46'	28°58'	S 19
S 20	1 53 57	26°40'25"	13 <sup>h</sup> 246'	5°44'	18°38'	28°38'	17°20'	9°25'	26°57'	9°16'	8°44'	4°17'	5°24'	1°53'	28°56'	S 20
M21	1 57 53	27°40'16"	28°52'	7°18'	19°53'	29°19'	17°31'	9°21'	26°55'	9°D16'	8°44'	4°10'	5°21'	2° 0'	28°53'	M21
T 22	2 1 50	28°40'10"	13 <sup>h</sup> 236'	8°52'	21° 8'	29°59'	17°42'	9°16'	26°54'	9°16'	8°44'	4° 6'	5°18'	2° 6'	28°51'	T 22
W23	2 5 46	29°40'05"	10°25'	22°24'	0 <sup>h</sup> 240'	17°53'	9°11'	26°52'	9°16'	8°43'	4°D 5'	5°15'	5°15'	2°13'	28°49'	W23
T 24	2 9 43	0 <sup>h</sup> 240'02"	11 <sup>h</sup> 344'	11°58'	23°39'	1°21'	18° 4'	9° 6'	26°50'	9°16'	8°43'	4° 5'	5°12'	2°20'	28°46'	T 24
F 25	2 13 39	1°40'01"	25° 7'	13°30'	24°54'	2° 2'	18°16'	9° 2'	26°48'	9°16'	8°43'	4° 5'	5° 8'	2°27'	28°44'	F 25
S 26	2 17 36	2°40'01"	8 <sup>h</sup> 27'	15° 1'	26° 9'	2°43'	18°27'	8°57'	26°46'	9°16'	8°42'	4°R 5'	5° 5'	2°33'	28°42'	S 26
S 27	2 21 32	3°40'03"	20°47'	16°32'	27°25'	3°25'	18°39'	8°52'	26°44'	9°17'	8°42'	4° 4'	5° 2'	2°40'	28°40'	S 27
M28	2 25 29	4°40'06"	3 <sup>h</sup> 10'	18° 3'	28°40'	4° 6'	18°50'	8°47'	26°42'	9°17'	8°41'	4° 0'	4°59'	2°47'	28°37'	M28
T 29	2 29 26	5°40'11"	15°22'	19°33'	29°55'	4°47'	19° 2'	8°42'	26°41'	9°17'	8°41'	3°54'	4°56'	2°53'	28°35'	T 29
W30	2 33 22	6°40'18"	27°25'	21° 3'	1 <sup>h</sup> 210'	5°28'	19°14'	8°37'	26°39'	9°17'	8°41'	3°45'	4°53'	3° 0'	28°33'	W30
T 31	2 37 19	7 <sup>h</sup> 240'26"	9 <sup>h</sup> Y22'	22 <sup>h</sup> 232'	2 <sup>h</sup> 26'	6 <sup>h</sup> 21'	19 <sup>h</sup> 25'	8 <sup>h</sup> 33'	26 <sup>h</sup> 37'	9 <sup>h</sup> 18'	8 <sup>h</sup> 40'	3 <sup>h</sup> 35'	4 <sup>h</sup> 349'	3 <sup>h</sup> 8' 7'	28 <sup>h</sup> 31'	T 31

Delta T = 26.16 sec

Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1675

## geocentric

NOVEMBER 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 15	8♉40°36	21♊16	24♉1	3♉41	6♉51	19♊37	8♉R28	26♉R36	9♉18	8♉R40	3♉R23	4♉46	3♉14	28♉R29	F 1
S 2	2 45 12	9°40'48	3♉8	25°29	4°56	7°32	19°49	8♉23	26♉34	9°18	8♉39	3♉13	4°43	3°20	28♉27	S 2
S 3	2 49 8	10°41'01	15° 0	26°57	6°12	8°14	20° 1	8°18	26°33	9°19	8°38	3° 3	4°40	3°27	28°25	S 3
M 4	2 53 5	11°41'16	26°53	28°24	7°27	8°55	20°13	8°13	26°31	9°19	8°38	2°55	4°37	3°34	28°24	M 4
T 5	2 57 1	12°41'34	8♉48	29°51	8°42	9°36	20°26	8° 8	26°30	9°20	8°37	2°50	4°33	3°40	28°22	T 5
W 6	3 0 58	13°41'53	20°49	1♊17	9°58	10°18	20°38	8° 3	26°28	9°20	8°37	2°47	4°30	3°47	28°20	W 6
T 7	3 4 55	14°42'14	2♉58	2°42	11°13	11° 0	20°50	7°59	26°27	9°21	8°36	2°D46	4°27	3°54	28°18	T 7
F 8	3 8 51	15°42'36	15°18	4° 7	12°29	11°41	21° 2	7°54	26°26	9°21	8°35	2°46	4°24	4° 0	28°17	F 8
S 9	3 12 48	16°43'01	27°53	5°31	13°44	12°23	21°15	7°49	26°24	9°22	8°35	2°48	4°21	4° 7	28°15	S 9
S 10	3 16 44	17°43'28	10♉47	6°54	14°59	13° 5	21°27	7°44	26°23	9°23	8°34	2°49	4°18	4°14	28°13	S 10
M 11	3 20 41	18°43'56	24° 3	8°16	16°15	13°47	21°40	7°40	26°22	9°23	8°33	2°R49	4°14	4°21	28°12	M 11
T 12	3 24 37	19°44'27	7♉45	9°37	17°30	14°28	21°53	7°35	26°21	9°24	8°32	2°47	4°11	4°27	28°10	T 12
W 13	3 28 34	20°44'59	21°54	10°57	18°46	15°10	22° 5	7°30	26°20	9°25	8°32	2°44	4° 8	4°34	28° 9	W 13
T 14	3 32 30	21°45'33	6♉29	12°16	20° 1	15°52	22°18	7°26	26°18	9°26	8°31	2°39	4° 5	4°41	28° 8	T 14
F 15	3 36 27	22°46'09	21°25	13°33	21°16	16°34	22°31	7°21	26°17	9°26	8°30	2°33	4° 2	4°47	28° 6	F 15
S 16	3 40 24	23°46'46	6♉34	14°48	22°32	17°16	22°44	7°16	26°16	9°27	8°29	2°27	3°59	4°54	28° 5	S 16
S 17	3 44 20	24°47'25	21°48	16° 2	23°47	17°58	22°57	7°12	26°15	9°28	8°28	2°21	3°55	5° 1	28° 4	S 17
M 18	3 48 17	25°48'06	6♉55	17°14	25° 3	18°40	23° 9	7° 7	26°15	9°29	8°28	2°18	3°52	5° 7	28° 2	M 18
T 19	3 52 13	26°48'48	21°47	18°23	26°18	19°23	23°22	7° 3	26°14	9°30	8°27	2°15	3°49	5°14	28° 1	T 19
W 20	3 56 10	27°49'32	6♉31	19°29	27°34	20° 5	23°36	6°58	26°13	9°31	8°26	2°D15	3°46	5°21	28° 0	W 20
T 21	4 0 6	28°50'16	20°16	20°32	28°49	20°47	23°49	6°54	26°12	9°32	8°25	2°16	3°43	5°28	27°59	T 21
F 22	4 4 3	29°51'02	3♉49	21°32	0♉5	21°29	24° 2	6°50	26°12	9°33	8°24	2°18	3°39	5°34	27°58	F 22
S 23	4 7 59	0♉51'48	16°56	22°27	1°20	22°12	24°15	6°46	26°11	9°34	8°23	2°19	3°36	5°41	27°57	S 23
S 24	4 11 56	1°52'36	29°40	23°18	2°36	22°54	24°28	6°41	26°10	9°35	8°22	2°R20	3°33	5°48	27°56	S 24
M 25	4 15 53	2°53'24	12♉4	24° 3	3°51	23°37	24°41	6°37	26°10	9°36	8°21	2°20	3°30	5°54	27°56	M 25
T 26	4 19 49	3°54'13	24°14	24°43	5° 7	24°19	24°55	6°33	26° 9	9°38	8°20	2°18	3°27	6° 1	27°55	T 26
W 27	4 23 46	4°55'04	6♉14	25°15	6°22	25° 2	25° 8	6°29	26° 9	9°39	8°19	2°15	3°24	6° 8	27°54	W 27
T 28	4 27 42	5°55'55	18° 8	25°40	7°37	25°44	25°21	6°25	26° 8	9°40	8°18	2°11	3°20	6°15	27°54	T 28
F 29	4 31 39	6°56'47	29°59	25°57	8°53	26°27	25°35	6°22	26° 8	9°41	8°17	2° 6	3°17	6°21	27°53	F 29
S 30	4 35 35	7♉57'40	11♉50	26°R 4	10♉8	27♉9	25♉48	6♉18	26♉8	9♉42	8♉16	2♉2	3♉14	6♉28	27♉52	S 30

Delta T = 26.11 sec

Greg. Calendar

DECEMBER 1675 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 32	8♉58°34	23♉44	26°R 1	11♉24	27♉52	26♉2	6°R14	26°R 7	9♉44	8°R15	1°R58	3♉11	6♉35	27°R52	S 1
M 2	4 43 28	9°59'29	5♉43	25♉48	12°39	28°35	26°15	6♉10	26°R 7	9°45	8°14	1♉55	3° 8	6°41	27°R52	M 2
T 3	4 47 25	11° 0'25	17°48	25°24	13°55	29°18	26°29	6° 7	26° 7	9°46	8°13	1°53	3° 5	6°48	27°51	T 3
W 4	4 51 22	12° 1'22	0♉1	24°48	15°10	0♉1	26°42	6° 3	26° 7	9°48	8°12	1°D52	3° 1	6°55	27°51	W 4
T 5	4 55 18	13° 2'21	12°23	24° 0	16°26	0°44	26°56	6° 0	26°D 7	9°49	8°11	1°52	2°58	7° 1	27°51	T 5
F 6	4 59 15	14° 3'20	24°57	23° 3	17°41	1°26	27°10	5°57	26° 7	9°51	8°10	1°53	2°55	7° 8	27°50	F 6
S 7	5 3 11	15° 4'20	7♉43	21°56	18°57	2° 9	27°23	5°54	26° 7	9°52	8° 8	1°55	2°52	7°15	27°50	S 7
S 8	5 7 8	16° 5'21	20°45	20°41	20°12	2°52	27°37	5°50	26° 7	9°54	8° 7	1°56	2°49	7°22	27°50	S 8
M 9	5 11 4	17° 6'23	4♉4	19°21	21°28	3°36	27°50	5°47	26° 7	9°55	8° 6	1°57	2°45	7°28	27°D50	M 9
T 10	5 15 1	18° 7'26	17°42	17°58	22°43	4°19	28° 4	5°44	26° 8	9°57	8° 5	1°R58	2°42	7°35	27°50	T 10
W 11	5 18 58	19° 8'30	1♉39	16°36	23°58	5° 2	28°18	5°42	26° 8	9°58	8° 4	1°57	2°39	7°42	27°50	W 11
T 12	5 22 54	20° 9'35	15°55	15°16	25°14	5°45	28°32	5°39	26° 8	10° 0	8° 3	1°56	2°36	7°48	27°50	T 12
F 13	5 26 51	21°10'42	0♉29	14° 1	26°29	6°28	28°45	5°36	26° 9	10° 2	8° 2	1°55	2°33	7°55	27°51	F 13
S 14	5 30 47	22°11'49	15°14	12°55	27°45	7°12	28°59	5°34	26° 9	10° 3	8° 0	1°54	2°30	8° 2	27°51	S 14
S 15	5 34 44	23°12'57	0♉6	11°57	29° 0	7°55	29°13	5°31	26° 9	10° 5	7°59	1°53	2°26	8° 8	27°51	S 15
M 16	5 38 40	24°14'05	14°56	11° 9	0♉16	8°38	29°27	5°29	26°10	10° 7	7°58	1°52	2°23	8°15	27°52	M 16
T 17	5 42 37	25°15'14	29°37	10°33	1°31	9°22	29°41	5°26	26°11	10° 8	7°57	1°D52	2°20	8°22	27°52	T 17
W 18	5 46 33	26°16'24	14♉2	10° 7	2°47	10° 5	29°54	5°24	26°11	10°10	7°56	1°52	2°17	8°29	27°52	W 18
T 19	5 50 30	27°17'34	28° 6	9°51	4° 2	10°49	0♉8	5°22	26°12	10°12	7°54	1°52	2°14	8°35	27°53	T 19
F 20	5 54 27	28°18'44	11♉45	9°D47	5°18	11°33	0°22	5°20	26°13	10°14	7°53	1°53	2°11	8°42	27°54	F 20
S 21	5 58 23	29°19'54	24°59	9°51	6°33	12°16	0°36	5°18	26°13	10°16	7°52	1°53	2° 7	8°49	27°54	S 21
S 22	6 2 20	0♉21'04	7♉49	10° 4	7°49	13° 0	0°50	5°17	26°14	10°17	7°51	1°53	2° 4	8°55	27°55	S 22
M 23	6 6 16	1°22'14	20°19	10°26	9° 4	13°44	1° 4	5°15	26°15	10°19	7°49	1°53	2° 1	9° 2	27°56	M 23
T 24	6 10 13	2°23'24	2♉32	10°55	10°19	14°27	1°17	5°13	26°16	10°21	7°48	1°53	1°58	9° 9	27°57	T 24
W 25	6 14 9	3°24'34	14°33	11°30	11°35	15°11	1°31	5°12	26°17	10°23	7°47	1°53	1°55	9°15	27°58	W 25
T 26	6 18 6	4°25'44	26°26	12°11	12°50	15°55	1°45	5°11	26°18	10°25	7°46	1°54	1°51	9°22	27°58	T 26
F 27	6 22 2	5°26'54	8♉17	12°58	14° 6	16°39	1°59	5° 9	26°19	10°27	7°44	1°54	1°48	9°29	27°59	F 27
S 28	6 25 59	6°28'04	20° 8	13°49	15°21	17°23	2°13	5° 8	26°20	10°29	7°43	1°54	1°45	9°35	28° 1	S 28
S 29	6 29 56	7°29'13	2♉5	14°44	16°36	18° 7	2°27	5° 7	26°21	10°31	7°42	1°55	1°42	9°42	28° 2	S 29
M 30	6 33 52	8°30'22	14°10	15°43	17°52	18°51	2°40	5° 6	26°23	10°33	7°41	1°56	1°39	9°49	28° 3	M 30
T 31	6 37 49	9♉31'32	26♉25	16♉46	19♉7	19♉35	2♉54	5♉6	26♉24	10♉35	7♉39	1°R56	1♉36	9♉56	28♉4	T 31

Delta T = 26.06 sec

Greg. Calendar