



Astrodienst Ephemeris Tables for the year 1740

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 D5EPX

ASTRODIENST EPHEMERIS for the year 1740
geocentric

JANUARY 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 39 45	9♂59'00	2♂47	24°R30	24♂29	26♂39	27°R14	21°R45	10♂32	3°R48	8♂17	23♂4	23♂44	3♂58	13°R33	F 1
S 2	6 43 41	11° 0'12	17°46	24♂4	25°44	27°23	27♂10	21♂40	10°35	3♂46	8°19	23°4	23°41	4°5	13♂30	S 2
S 3	6 47 38	12° 1'23	2♂30	23°27	27° 0	28° 8	27° 6	21°35	10°39	3°45	8°20	23° 5	23°37	4°12	13°27	S 3
M 4	6 51 34	13° 2'33	16°55	22°38	28°15	28°53	27° 2	21°30	10°42	3°43	8°21	23° 6	23°34	4°18	13°24	M 4
T 5	6 55 31	14° 3'43	0♂57	21°39	29°30	29°38	26°59	21°25	10°46	3°41	8°23	23° 7	23°31	4°25	13°21	T 5
W 6	6 59 27	15° 4'53	14°35	20°32	0♂45	0♂23	26°56	21°20	10°50	3°40	8°24	23°R 7	23°28	4°31	13°18	W 6
T 7	7 3 24	16° 6'02	27°51	19°18	2° 0	1° 8	26°53	21°16	10°53	3°38	8°25	23° 7	23°25	4°38	13°15	T 7
F 8	7 7 20	17° 7'10	10♂47	18° 0	3°16	1°53	26°50	21°11	10°57	3°36	8°27	23° 7	23°22	4°45	13°12	F 8
S 9	7 11 17	18° 8'18	23°26	16°40	4°31	2°38	26°47	21° 6	11° 0	3°35	8°28	23° 6	23°18	4°51	13° 9	S 9
S 10	7 15 14	19° 9'26	5♂50	15°21	5°46	3°24	26°45	21° 1	11° 4	3°33	8°29	23° 5	23°15	4°58	13° 6	S 10
M 11	7 19 10	20°10'32	18° 2	14° 6	7° 1	4° 9	26°42	20°56	11° 7	3°32	8°30	23° 5	23°12	5° 5	13° 3	M 11
T 12	7 23 7	21°11'39	0♂5	12°55	8°16	4°54	26°40	20°51	11°11	3°30	8°31	23° 5	23° 9	5°11	13° 1	T 12
W 13	7 27 3	22°12'44	12° 1	11°52	9°31	5°39	26°39	20°46	11°14	3°28	8°32	23° 5	23° 6	5°18	12°58	W 13
T 14	7 31 0	23°13'49	23°53	10°57	10°46	6°25	26°37	20°41	11°18	3°27	8°33	23° 5	23° 2	5°25	12°55	T 14
F 15	7 34 56	24°14'54	5♂41	10°10	12° 1	7°10	26°36	20°36	11°21	3°25	8°34	23° 4	22°59	5°31	12°53	F 15
S 16	7 38 53	25°15'58	17°29	9°33	13°16	7°55	26°34	20°31	11°25	3°24	8°35	23° 4	22°56	5°38	12°50	S 16
S 17	7 42 50	26°17'01	29°19	9° 6	14°31	8°41	26°33	20°26	11°28	3°22	8°36	23° 4	22°53	5°45	12°48	S 17
M 18	7 46 46	27°18'04	11♂13	8°48	15°46	9°26	26°32	20°21	11°32	3°21	8°37	23° 3	22°50	5°51	12°46	M 18
T 19	7 50 43	28°19'07	23°14	8°38	17° 1	10°12	26°32	20°16	11°35	3°19	8°38	23° 3	22°47	5°58	12°43	T 19
W 20	7 54 39	29°20'08	5♂26	8°D37	18°16	10°57	26°31	20°12	11°39	3°18	8°38	23° 2	22°43	6° 5	12°41	W 20
T 21	7 58 36	0♂21'10	17°52	8°44	19°31	11°43	26°D31	20° 7	11°42	3°16	8°39	23° 2	22°40	6°11	12°39	T 21
F 22	8 2 32	1°22'11	0♂37	8°59	20°46	12°28	26°31	20° 2	11°46	3°15	8°40	23°D 1	22°37	6°18	12°37	F 22
S 23	8 6 29	2°23'11	13°44	9°20	22° 1	13°14	26°31	19°57	11°49	3°13	8°41	23° 2	22°34	6°25	12°35	S 23
S 24	8 10 25	3°24'11	27°16	9°47	23°16	14° 0	26°32	19°52	11°53	3°12	8°41	23° 2	22°31	6°31	12°33	S 24
M 25	8 14 22	4°25'10	11♂15	10°20	24°31	14°45	26°33	19°48	11°56	3°10	8°42	23° 3	22°28	6°38	12°31	M 25
T 26	8 18 19	5°26'08	25°40	10°58	25°46	15°31	26°33	19°43	11°59	3° 9	8°42	23° 4	22°24	6°44	12°29	T 26
W 27	8 22 15	6°27'06	10♂27	11°40	27° 1	16°17	26°34	19°38	12° 3	3° 8	8°43	23° 5	22°21	6°51	12°28	W 27
T 28	8 26 12	7°28'03	25°33	12°27	28°16	17° 3	26°36	19°34	12° 6	3° 6	8°43	23°R 5	22°18	6°58	12°26	T 28
F 29	8 30 8	8°28'59	10♂47	13°18	29°30	17°49	26°37	19°29	12° 9	3° 5	8°44	23° 5	22°15	7° 4	12°24	F 29
S 30	8 34 5	9°29'54	26° 0	14°12	0♂45	18°34	26°39	19°25	12°13	3° 4	8°44	23° 3	22°12	7°11	12°23	S 30
S 31	8 38 1	10♂30'47	11♂2	15♂9	2♂0	19♂20	26♂41	19♂20	12♂16	3♂2	8♂45	23♂1	22♂8	7♂18	12♂21	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	23s 6	20s26	0s54	20s28	0n48	22s32	1s18	24s 0	0s34	18n45	0s51	21n40	0s 3	23s24	0s21	22n21
S 2	23 1	17 38	2 13	20 14	1 7	22 20	1 20	24 1	0 35	18 44	0 50	21 41	0 3	23 24	0 21	22 21
S 3	22 56	13 44	3 22	20 1	1 26	22 7	1 21	24 3	0 35	18 43	0 50	21 42	0 3	23 23	0 21	22 21
M 4	22 50	9 7	4 17	19 50	1 45	21 53	1 22	24 4	0 36	18 43	0 50	21 43	0 3	23 23	0 21	22 21
T 5	22 44	4 7	4 54	19 41	2 4	21 39	1 23	24 5	0 36	18 42	0 50	21 43	0 2	23 23	0 21	22 22
W 6	22 37	0n55	5 14	19 34	2 21	21 23	1 25	24 5	0 37	18 42	0 49	21 44	0 2	23 22	0 21	22 22
T 7	22 30	5 48	5 17	19 29	2 37	21 8	1 26	24 6	0 38	18 41	0 49	21 45	0 2	23 22	0 21	22 22
F 8	22 22	10 17	5 3	19 26	2 51	20 51	1 27	24 6	0 38	18 41	0 49	21 46	0 2	23 22	0 21	22 22
S 9	22 14	14 13	4 35	19 24	3 3	20 34	1 27	24 6	0 39	18 41	0 49	21 47	0 2	23 22	0 21	22 22
S 10	22 6	17 28	3 54	19 24	3 13	20 17	1 28	24 5	0 39	18 40	0 48	21 48	0 2	23 21	0 21	22 22
M 11	21 57	19 54	3 3	19 25	3 19	19 59	1 29	24 4	0 40	18 40	0 48	21 49	0 2	23 21	0 21	22 22
T 12	21 48	21 24	2 4	19 28	3 24	19 40	1 30	24 3	0 41	18 40	0 48	21 50	0 2	23 21	0 21	22 22
W 13	21 38	21 55	1 1	19 31	3 26	19 21	1 31	24 2	0 41	18 40	0 48	21 50	0 2	23 20	0 21	22 22
T 14	21 28	21 26	0n 4	19 36	3 26	19 1	1 31	24 1	0 42	18 39	0 47	21 51	0 1	23 20	0 21	22 22
F 15	21 18	20 0	1 10	19 42	3 23	18 41	1 32	23 59	0 42	18 39	0 47	21 52	0 1	23 20	0 21	22 22
S 16	21 7	17 42	2 12	19 49	3 19	18 20	1 32	23 57	0 43	18 39	0 47	21 53	0 1	23 20	0 21	22 22
S 17	20 55	14 40	3 8	19 56	3 14	17 58	1 33	23 54	0 43	18 39	0 47	21 54	0 1	23 19	0 21	22 22
M 18	20 44	11 1	3 57	20 4	3 7	17 36	1 33	23 52	0 44	18 39	0 46	21 55	0 1	23 19	0 21	22 22
T 19	20 32	6 55	4 36	20 13	2 59	17 14	1 33	23 49	0 44	18 40	0 46	21 56	0 1	23 19	0 21	22 22
W 20	20 19	2 28	5 3	20 22	2 50	16 51	1 33	23 46	0 45	18 40	0 46	21 56	0 1	23 18	0 21	22 23
T 21	20 6	2s 9	5 16	20 30	2 41	16 28	1 34	23 43	0 46	18 40	0 46	21 57	0 1	23 18	0 21	22 23
F 22	19 53	6 47	5 15	20 39	2 31	16 4	1 34	23 39	0 46	18 40	0 45	21 58	0 1	23 18	0 21	22 23
S 23	19 39	11 15	4 57	20 48	2 21	15 40	1 34	23 35	0 47	18 40	0 45	21 59	0 0	23 18	0 21	22 23
S 24	19 25	15 19	4 23	20 57	2 10	15 15	1 34	23 31	0 47	18 41	0 45	22 0	0 0	23 17	0 21	22 23
M 25	19 11	18 39	3 32	21 5	2 0	14 50	1 33	23 27	0 48	18 41	0 44	22 0	0 0	23 17	0 21	22 23
T 26	18 56	20 58	2 26	21 12	1 49	14 25	1 33	23 22	0 48	18 42	0 44	22 1	0 0	23 17	0 21	22 23
W 27	18 41	21 54	1 10	21 19	1 38	13 59	1 33	23 17	0 49	18 42	0 44	22 2	0n 0	23 16	0 21	22 23
T 28	18 26	21 17	0s14	21 26	1 28	13 33	1 33	23 12	0 49	18 43	0 44	22 3	0 0	23 16	0 21	22 23
F 29	18 10	19 6	1 37	21 32	1 17	13 6	1 32	23 6	0 50	18 43	0 43	22 3	0 0	23 16	0 21	22 23
S 30	17 54	15 34	2 52	21 37	1 7	12 39	1 32	23 1	0 50	18 44	0 43	22 4	0 0	23 16	0 21	22 23
S 31	17s38	11s 4	3s55	21s41	0n56	12s12	1s31	22s55	0s51	18n45	0s43	22n 5	0n 0	23s15	0s21	22n23

Julian Day Number = 2356581.5, Delta T = 13.25 sec
Ecliptic obliquity = 23°28'19, Nutation = -0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°06'38, Lahiri = 20°13'38Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1740

geocentric

MARCH 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 36 18	10 ^h 45'59"	18 ^h 16'	26 ^h 54'	9 ^h 6'	12 ^h 30'	29 ^h 8'	17 ^h 41'	13 ^h 41'	2 ^h 36'	8 ^h 40'	21 ^h 54'	20 ^h 33'	10 ^h 237'	12 ^h 115'	T 1
W 2	10 40 14	11 ^h 46'04"	2 ^h 16'	28 ^h 35'	10 ^h 20'	13 ^h 16'	29 ^h 10'	17 ^h 39'	13 ^h 43'	2 ^h 36'	8 ^h 40'	21 ^h 47'	20 ^h 30'	10 ^h 44'	12 ^h 16'	W 2
T 3	10 44 11	12 ^h 46'08"	15 ^h 48'	0 ^h 17'	11 ^h 33'	14 ^h 3'	29 ^h 17'	17 ^h 37'	13 ^h 45'	2 ^h 35'	8 ^h 39'	21 ^h 41'	20 ^h 27'	10 ^h 51'	12 ^h 18'	T 3
F 4	10 48 8	13 ^h 46'09"	28 ^h 51'	2 ^h 1'	12 ^h 47'	14 ^h 49'	29 ^h 25'	17 ^h 35'	13 ^h 48'	2 ^h 35'	8 ^h 38'	21 ^h 38'	20 ^h 24'	10 ^h 57'	12 ^h 19'	F 4
S 5	10 52 4	14 ^h 46'08"	11 ^h 28'	3 ^h 46'	14 ^h 0'	15 ^h 36'	29 ^h 33'	17 ^h 34'	13 ^h 50'	2 ^h 35'	8 ^h 37'	21 ^h D37'	20 ^h 20'	11 ^h 4'	12 ^h 20'	S 5
S 6	10 56 1	15 ^h 46'05"	23 ^h 46'	5 ^h 31'	15 ^h 14'	16 ^h 23'	29 ^h 41'	17 ^h 32'	13 ^h 52'	2 ^h 35'	8 ^h 36'	21 ^h 37'	20 ^h 17'	11 ^h 11'	12 ^h 21'	S 6
M 7	10 59 57	16 ^h 46'00"	5 ^h 48'	7 ^h 18'	16 ^h 27'	17 ^h 9'	29 ^h 49'	17 ^h 31'	13 ^h 54'	2 ^h 34'	8 ^h 36'	21 ^h 38'	20 ^h 14'	11 ^h 17'	12 ^h 23'	M 7
T 8	11 3 54	17 ^h 45'53"	17 ^h 40'	9 ^h 7'	17 ^h 40'	17 ^h 56'	29 ^h 57'	17 ^h 30'	13 ^h 56'	2 ^h 34'	8 ^h 35'	21 ^h R39'	20 ^h 11'	11 ^h 24'	12 ^h 24'	T 8
W 9	11 7 50	18 ^h 45'43"	29 ^h 27'	10 ^h 56'	18 ^h 53'	18 ^h 43'	0 ^h II 5'	17 ^h 29'	13 ^h 58'	2 ^h 34'	8 ^h 34'	21 ^h 39'	20 ^h 8'	11 ^h 30'	12 ^h 26'	W 9
T 10	11 11 47	19 ^h 45'32"	11 ^h 14'	12 ^h 46'	20 ^h 6'	19 ^h 29'	0 ^h 14'	17 ^h 28'	14 ^h 0'	2 ^h 34'	8 ^h 33'	21 ^h 37'	20 ^h 5'	11 ^h 37'	12 ^h 28'	T 10
F 11	11 15 43	20 ^h 45'18"	23 ^h 4'	14 ^h 38'	21 ^h 19'	20 ^h 16'	0 ^h 22'	17 ^h 27'	14 ^h 2'	2 ^h 34'	8 ^h 32'	21 ^h 32'	20 ^h 1'	11 ^h 44'	12 ^h 29'	F 11
S 12	11 19 40	21 ^h 45'02"	5 ^h 0'	16 ^h 31'	22 ^h 32'	21 ^h 3'	0 ^h 31'	17 ^h 26'	14 ^h 4'	2 ^h 34'	8 ^h 31'	21 ^h 25'	19 ^h 58'	11 ^h 50'	12 ^h 31'	S 12
S 13	11 23 37	22 ^h 44'44"	17 ^h 5'	18 ^h 24'	23 ^h 45'	21 ^h 50'	0 ^h 40'	17 ^h 25'	14 ^h 6'	2 ^h D34'	8 ^h 30'	21 ^h 15'	19 ^h 55'	11 ^h 57'	12 ^h 33'	S 13
M14	11 27 33	23 ^h 44'23"	29 ^h 20'	20 ^h 20'	24 ^h 58'	22 ^h 36'	0 ^h 49'	17 ^h 25'	14 ^h 7'	2 ^h 34'	8 ^h 29'	21 ^h 4'	19 ^h 52'	12 ^h 4'	12 ^h 35'	M14
T 15	11 31 30	24 ^h 44'01"	11 ^h 45'	22 ^h 16'	26 ^h 11'	23 ^h 23'	0 ^h 58'	17 ^h 24'	14 ^h 9'	2 ^h 34'	8 ^h 28'	20 ^h 52'	19 ^h 49'	12 ^h 10'	12 ^h 37'	T 15
W16	11 35 26	25 ^h 43'37"	24 ^h 21'	24 ^h 13'	27 ^h 24'	24 ^h 10'	1 ^h 7'	17 ^h 24'	14 ^h 11'	2 ^h 34'	8 ^h 27'	20 ^h 40'	19 ^h 45'	12 ^h 17'	12 ^h 39'	W16
T 17	11 39 23	26 ^h 43'11"	7 ^h 9'	26 ^h 11'	28 ^h 36'	24 ^h 56'	1 ^h 16'	17 ^h 23'	14 ^h 12'	2 ^h 34'	8 ^h 26'	20 ^h 30'	19 ^h 42'	12 ^h 24'	12 ^h 41'	T 17
F 18	11 43 19	27 ^h 42'44"	20 ^h 8'	28 ^h 10'	29 ^h 49'	25 ^h 43'	1 ^h 26'	17 ^h 23'	14 ^h 14'	2 ^h 34'	8 ^h 24'	20 ^h 22'	19 ^h 39'	12 ^h 30'	12 ^h 44'	F 18
S 19	11 47 16	28 ^h 42'14"	3 ^h 21'	0 ^h Y10'	1 ^h 8 2'	26 ^h 30'	1 ^h 35'	17 ^h D23'	14 ^h 16'	2 ^h 34'	8 ^h 23'	20 ^h 17'	19 ^h 36'	12 ^h 37'	12 ^h 46'	S 19
S 20	11 51 12	29 ^h 41'43"	16 ^h 46'	2 ^h 11'	2 ^h 14'	27 ^h 17'	1 ^h 45'	17 ^h 23'	14 ^h 17'	2 ^h 34'	8 ^h 22'	20 ^h 15'	19 ^h 33'	12 ^h 44'	12 ^h 48'	S 20
M21	11 55 9	0 ^h Y41'10"	0 ^h 327'	4 ^h 13'	3 ^h 26'	28 ^h 3'	1 ^h 55'	17 ^h 23'	14 ^h 19'	2 ^h 35'	8 ^h 21'	20 ^h D14'	19 ^h 30'	12 ^h 50'	12 ^h 51'	M21
T 22	11 59 6	1 ^h 40'35"	14 ^h 24'	6 ^h 15'	4 ^h 39'	28 ^h 50'	2 ^h 5'	17 ^h 24'	14 ^h 20'	2 ^h 35'	8 ^h 20'	20 ^h R14'	19 ^h 26'	12 ^h 57'	12 ^h 53'	T 22
W23	12 3 2	2 ^h 39'59"	28 ^h 37'	8 ^h 17'	5 ^h 51'	29 ^h 37'	2 ^h 15'	17 ^h 24'	14 ^h 21'	2 ^h 35'	8 ^h 18'	20 ^h 14'	19 ^h 23'	13 ^h 4'	12 ^h 56'	W23
T 24	12 6 59	3 ^h 39'21"	13 ^h 35'	10 ^h 19'	7 ^h 3'	0 ^h X24'	2 ^h 25'	17 ^h 25'	14 ^h 23'	2 ^h 36'	8 ^h 17'	20 ^h 12'	19 ^h 20'	13 ^h 10'	12 ^h 59'	T 24
F 25	12 10 55	4 ^h 38'41"	27 ^h 45'	12 ^h 21'	8 ^h 15'	1 ^h 10'	2 ^h 35'	17 ^h 25'	14 ^h 24'	2 ^h 36'	8 ^h 16'	20 ^h 8'	19 ^h 17'	13 ^h 17'	13 ^h 1'	F 25
S 26	12 14 52	5 ^h 37'59"	12 ^h X32'	14 ^h 23'	9 ^h 28'	1 ^h 57'	2 ^h 45'	17 ^h 26'	14 ^h 25'	2 ^h 36'	8 ^h 14'	20 ^h 1'	19 ^h 14'	13 ^h 24'	13 ^h 4'	S 26
S 27	12 18 48	6 ^h 37'15"	27 ^h 18'	16 ^h 23'	10 ^h 40'	2 ^h 44'	2 ^h 56'	17 ^h 27'	14 ^h 26'	2 ^h 37'	8 ^h 13'	19 ^h 51'	19 ^h 10'	13 ^h 30'	13 ^h 7'	S 27
M28	12 22 45	7 ^h 36'29"	11 ^h Y55'	18 ^h 23'	11 ^h 51'	3 ^h 31'	3 ^h 6'	17 ^h 28'	14 ^h 27'	2 ^h 37'	8 ^h 12'	19 ^h 40'	19 ^h 7'	13 ^h 37'	13 ^h 10'	M28
T 29	12 26 41	8 ^h 35'41"	26 ^h 16'	20 ^h 21'	13 ^h 3'	4 ^h 17'	3 ^h 17'	17 ^h 29'	14 ^h 28'	2 ^h 38'	8 ^h 10'	19 ^h 28'	19 ^h 4'	13 ^h 44'	13 ^h 13'	T 29
W30	12 30 38	9 ^h 34'51"	10 ^h X14'	22 ^h 17'	14 ^h 15'	5 ^h 4'	3 ^h 28'	17 ^h 30'	14 ^h 29'	2 ^h 38'	8 ^h 9'	19 ^h 18'	19 ^h 1'	13 ^h 50'	13 ^h 16'	W30
T 31	12 34 34	10 ^h Y33'58"	23 ^h 847'	24 ^h Y11'	15 ^h 827'	5 ^h X51'	3 ^h II39'	17 ^h 31'	14 ^h 30'	2 ^h 39'	8 ^h 7'	19 ^h 9'	18 ^h 58'	13 ^h 5257'	13 ^h II19'	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s32	2n26	5s 7	14s35	2s 9	2n57	0s43	18s 7	1s 5	19n23	0s36	22n22	0n 4	23s 8	0s22	22n25	1s 2	1n13	16n27	21n41	21n54	19n18	16n58	5s22									
W 2	7 10	7 32	5 3	14 1	2 10	3 29	0 40	17 54	1 5	19 25	0 36	22 22	0 4	23 7	0 22	22 25	1 2	1 13	16 28	21 42	21 54	19 17	16 58	5 22									
T 3	6 47	12 6	4 41	13 25	2 10	4 0	0 38	17 41	1 5	19 27	0 36	22 22	0 4	23 7	0 22	22 25	1 2	1 14	16 28	21 43	21 55	19 16	16 59	5 22									
F 4	6 24	15 56	4 6	12 48	2 10	4 31	0 35	17 27	1 6	19 29	0 35	22 23	0 4	23 7	0 22	22 25	1 2	1 14	16 29	21 44	21 55	19 15	16 59	5 21									
S 5	6 0	18 54	3 19	12 9	2 10	5 2	0 33	17 14	1 6	19 31	0 35	22 23	0 4	23 7	0 22	22 25	1 2	1 15	16 29	21 44	21 56	19 14	17 0	5 21									
S 6	5 37	20 55	2 24	11 30	2 9	5 33	0 30	17 0	1 6	19 32	0 35	22 23	0 4	23 7	0 22	22 25	1 2	1 16	16 29	21 44	21 56	19 13	17 0	5 21									
M 7	5 14	21 57	1 24	10 49	2 7	6 3	0 27	16 47	1 7	19 34	0 35	22 24	0 4	23 6	0 22	22 25	1 2	1 16	16 30	21 44	21 57	19 12	17 1	5 20									
T 8	4 51	21 57	0 21	10 6	2 6	6 34	0 24	16 33	1 7	19 36	0 34	22 24	0 4	23 6	0 22	22 25	1 2	1 17	16 30	21 44	21 57	19 11	17 1	5 20									
W 9	4 27	20 58	0n42	9 23	2 3	7 5	0 22	16 18	1 8	19 38	0 34	22 24	0 4	23 6	0 22	22 25	1 1	1 18	16 31	21 44	21 58	19 10	17 2	5 20									
T 10	4 4	19 5	1 43	8 38	2 0	7 35	0 19	16 4	1 8	19 40	0 34	22 24	0 4	23 6	0 22	22 25	1 1	1 18	16 31	21 44	21 58	19 9	17 2	5 19									
F 11	3 40	16 22	2 40	7 51	1 57	8 5	0 16	15 50	1 8	19 42	0 34	22 24	0 5	23 6	0 22	22 25	1 1	1 19	16 31	21 45	21 59	19 7	17 3	5 19									
S 12	3 17	12 57	3 30	7 4	1 53	8 35	0 13	15 35	1 9	19 44	0 34	22 25	0 5	23 5	0 22	22 25	1 1	1 20	16 32	21 46	21 59	19 6	17 3	5 19									
S 13	2 53	8 58	4 12	6 15	1 49	9 5	0 10	15 20	1 9	19 46	0 34	22 25	0 5	23 5	0 22	22 26	1 1	1 20	16 32	21 47	22 0	19 5	17 4	5 19									
M14	2 29	4 35	4 42	5 26	1 44	9 34	0 7	15 5	1 9	19 48	0 33	22 25	0 5	23 5	0 22	22 26	1 1	1 21	16 33	21 49	22 0	19 4	17 5	5 18									
T 15	2 6	0s 4	4 59	4 35	1 38	10 4	0 4	14 50	1 9	19 50	0 33	22 25	0 5	23 5	0 22	22 26	1 1	1 22	16 33	21 51	22 0	19 3	17 5	5 18									
W16	1 42	4 46	5 2	3 43	1 32	10 33	0 1	14 35	1 10	19 52	0 33	22 25	0 5	23 5	0 22	22 26	1 1	1 22	16 33	21 53	22 1	19 2	17 6	5 18									
T 17	1 18	9 20	4 50	2 50	1 26	11 2	0n 2	14 20	1 10	19 55	0 33	22 25	0 5	23 5	0 22	22 26	1 1	1 23	16 34	21 54	22 1	19 1	17 6	5 17									
F 18	0 55	13 34	4 24	1 56	1 19	11 30	0 5	14 4	1 10	19 57	0 33	22 26	0 5	23 5	0 22	22 26	1 1	1 24	16 34	21 55	22 2	19 0	17 7	5 17									
S 19	0 31	17 13	3 42	1 1	1 11	11 59	0 9	13 48	1 11	19 59	0 32	22 26	0 5	23 4	0 22	22 26	1 1	1 24	16 34	21 56	22 2	18 59	17 7	5 17									
S 20	0 7	20 2	2 48	0 5	1 3	12 27	0 12	13 33	1 11	20 1	0 32	22 26	0 5	23 4	0 22	22 26	1 1	1 25	16 35	21 57	22 3	18 58	17 8	5 16									
M21	0n16	21 45	1 43	0n51	0 54	12 55	0 15	13 17	1 11	20 3	0 32	22 26	0 5	23 4	0 22	22 26	1 1	1 26	16 35	21 57	22 3	18 56	17 9	5 16									
T 22	0 40	22 11	0 31	1 48	0 45	13 22	0 18	13 1	1 11	20 5	0 32	22 26	0 6	23 4	0 22	22 26	1 1	1 26	16 35	21 57	22 4	18 55	17 9	5 16									
W23	1 4	21 11	0s44	2 45	0 35	13 49	0 21	12 44	1 12	20 7	0 32	22 26	0 6	23 4	0 22	22 26	1 1	1 27	16 36	21 57	22 4	18 54	17 10	5 15									
T 24	1 27	18 48	1 58	3 42	0 25	14 16	0 24	12 28	1 12	20 9	0 31	22 26	0 6	23 4	0 22	22 26	1 1	1 28	16 36	21 57	22 5	18 53	17 10	5 15									
F 25	1 51	15 10	3 5	4 40	0 15	14 43	0 28	12 12	1 12	20 12	0 31	22 26	0 6	23 4	0 22	22 26	1 1	1 28	16 36	21 58	22 5	18 52	17 11	5 15									
S 26	2 14	10 33	4 0	5 37	0 4	15 9	0 31	11 55	1 12	20 14	0 31	22 26	0 6	23 4	0 22	22 26	1 1	1 29	16 36	21 59	22 5	18 51	17 12	5 15									
S 27	2 38	5 20	4 38	6 34	0n 7	15 35	0 34	11 39	1 13	20 16	0 31	22 26	0 6	23 3	0 22	22 26	1 1	1 30	16 37	22 0	22 6	18 50	17 12	5 14									
M28	3 1	0n 8	4 58	7 30	0 19	16 0	0 37	11 22	1 13	20 18	0 31	22 26	0 6	23 3	0 22	22 26	1 1	1 30	16 37	22 2	22 6	18 48	17 13	5 14									
T 29	3 25	5 30	4 59	8 26	0 30	16 25	0 41	11 5	1 13	20 20	0 31	22 26	0 6	23 3	0 22	22 26	1 1	1 31	16 37	22 3	22 7	18 47	17 14	5 14									
W30	3 48	10 27	4 42	9 20	0 42	16 50	0 44	10 48	1 13	20 23	0 30	22 26	0 6	23 3	0 22	22 26	1 1	1 32	16 38	22 5	22 7	18 46	17 14	5 13									
T 31	4n11	14n44	4s 9	10n13	0n54	17n14	0n47	10s31	1s13	20n25	0s30	22n26	0n 6	23s 3	0s22	22n26	1s 1	1n32	16n38	22n 6	22n 8	18n45	17n15	5s13									

ASTRODIENST EPHEMERIS for the year 1740

geocentric

APRIL 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 38 31	11°33'04	6°11'53	26°2'26	16°8'38	6°37'37	3°11'50	17°33'33	14°31'31	2°40'40	8°R 6	19°R 2	18°55'55	14°10'10	13°22'22	F 1
S 2	12 42 28	12°32'07	19°34'34	27°50'50	17°50'50	7°24'24	4° 1'1	17°34'34	14°32'32	2°40'40	8°M 5	18°58'58	18°51'51	14°10'10	13°26'26	S 2
S 3	12 46 24	13°31'08	1°55'55	29°35'35	19° 1'1	8°11'11	4°12'12	17°36'36	14°33'33	2°41'41	8° 3'3	18°57'57	18°48'48	14°17'17	13°29'29	S 3
M 4	12 50 21	14°30'07	13°59'59	1°16'16	20°13'13	8°57'57	4°23'23	17°38'38	14°34'34	2°42'42	8° 2'2	18°56'56	18°45'45	14°24'24	13°32'32	M 4
T 5	12 54 17	15°29'03	25°52'52	2°53'53	21°24'24	9°44'44	4°34'34	17°39'39	14°35'35	2°42'42	8° 0'0	18°56'56	18°42'42	14°30'30	13°36'36	T 5
W 6	12 58 14	16°27'57	7°12'12	4°26'26	22°35'35	10°31'31	4°45'45	17°41'41	14°35'35	2°43'43	7°59'59	18°55'55	18°39'39	14°37'37	13°39'39	W 6
T 7	13 2 10	17°26'49	19°29'29	5°54'54	23°46'46	11°17'17	4°57'57	17°43'43	14°36'36	2°44'44	7°57'57	18°52'52	18°36'36	14°44'44	13°43'43	T 7
F 8	13 6 7	18°25'39	1°10'10	7°17'17	24°57'57	12° 4'4	5° 8'8	17°46'46	14°36'36	2°45'45	7°55'55	18°47'47	18°32'32	14°50'50	13°47'47	F 8
S 9	13 10 3	19°24'26	13°24'26	8°35'35	26° 8'8	12°51'51	5°20'20	17°48'48	14°37'37	2°46'46	7°54'54	18°39'39	18°29'29	14°57'57	13°50'50	S 9
S 10	13 14 0	20°23'11	25°38'38	9°48'48	27°19'19	13°37'37	5°32'32	17°50'50	14°37'37	2°47'47	7°52'52	18°28'28	18°26'26	15° 4'4	13°54'54	S 10
M 11	13 17 57	21°21'54	8°15'15	10°55'55	28°30'30	14°24'24	5°44'44	17°53'53	14°38'38	2°47'47	7°51'51	18°16'16	18°23'23	15°10'10	13°58'58	M 11
T 12	13 21 53	22°20'35	20°46'46	11°57'57	29°40'40	15°10'10	5°55'55	17°55'55	14°38'38	2°48'48	7°49'49	18° 3'3	18°20'20	15°17'17	14° 2'2	T 12
W 13	13 25 50	23°19'14	3°14'14	12°53'53	0°11'51	15°57'57	6° 7'7	17°58'58	14°38'38	2°49'49	7°47'47	17°50'50	18°16'16	15°23'23	14° 5'5	W 13
T 14	13 29 46	24°17'51	16°51'51	13°44'44	2° 1'1	16°43'43	6°19'19	18° 1'1	14°39'39	2°50'50	7°46'46	17°38'38	18°13'13	15°30'30	14° 9'9	T 14
F 15	13 33 43	25°16'26	0°11'11	14°28'28	3°11'11	17°30'30	6°31'31	18° 3'3	14°39'39	2°52'52	7°44'44	17°29'29	18°10'10	15°37'37	14°13'13	F 15
S 16	13 37 39	26°15'00	13°42'42	15° 7'7	4°22'22	18°16'16	6°43'43	18° 6'6	14°39'39	2°53'53	7°43'43	17°23'23	18° 7'7	15°43'43	14°17'17	S 16
S 17	13 41 36	27°13'32	27°22'22	15°40'40	5°32'32	19° 3'3	6°56'56	18° 9'9	14°39'39	2°54'54	7°41'41	17°20'20	18° 4'4	15°50'50	14°22'22	S 17
M 18	13 45 32	28°12'02	11°31'31	16° 7'7	6°42'42	19°49'49	7° 8'8	18°13'13	14°39'39	2°55'55	7°39'39	17°18'18	18° 1'1	15°57'57	14°26'26	M 18
T 19	13 49 29	29°10'31	25° 8'8	16°27'27	7°51'51	20°36'36	7°20'20	18°16'16	14°39'39	2°56'56	7°38'38	17°18'18	17°57'57	16° 3'3	14°30'30	T 19
W 20	13 53 26	0°8'58	9°11'11	16°42'42	9° 1'1	21°22'22	7°33'33	18°19'19	14°39'39	2°57'57	7°36'36	17°18'18	17°54'54	16°10'10	14°34'34	W 20
T 21	13 57 22	1° 7'24	23°27'27	16°52'52	10°11'11	22° 8'8	7°45'45	18°23'23	14°39'39	2°58'58	7°34'34	17°17'17	17°51'51	16°17'17	14°38'38	T 21
F 22	14 1 19	2° 5'48	7°14'46	16°R55	11°20'20	22°55'55	7°57'57	18°26'26	14°39'39	3° 0'0	7°33'33	17°13'13	17°48'48	16°23'23	14°43'43	F 22
S 23	14 5 15	3° 4'10	22° 8'8	16°53'53	12°30'30	23°41'41	8°10'10	18°30'30	14°39'39	3° 1'1	7°31'31	17° 6'6	17°45'45	16°30'30	14°47'47	S 23
S 24	14 9 12	4° 2'31	6°11'28	16°45'45	13°39'39	24°27'27	8°23'23	18°34'34	14°38'38	3° 2'2	7°29'29	16°57'57	17°42'42	16°37'37	14°51'51	S 24
M 25	14 13 8	5° 0'50	20°41'41	16°33'33	14°48'48	25°14'14	8°35'35	18°37'37	14°38'38	3° 4'4	7°27'27	16°47'47	17°38'38	16°43'43	14°56'56	M 25
T 26	14 17 5	5°59'07	4°41'41	16°15'15	15°57'57	26° 0'0	8°48'48	18°41'41	14°38'38	3° 5'5	7°26'26	16°35'35	17°35'35	16°50'50	15° 0'0	T 26
W 27	14 21 1	6°57'23	18°24'24	15°54'54	17° 6'6	26°46'46	9° 1'1	18°45'45	14°37'37	3° 6'6	7°24'24	16°25'25	17°32'32	16°57'57	15° 5'5	W 27
T 28	14 24 58	7°55'37	1°11'47	15°28'28	18°15'15	27°32'32	9°14'14	18°49'49	14°37'37	3° 8'8	7°22'22	16°16'16	17°29'29	17° 3'3	15°10'10	T 28
F 29	14 28 55	8°53'49	14°47'47	14°59'59	19°24'24	28°19'19	9°27'27	18°53'53	14°36'36	3° 9'9	7°21'21	16° 9'9	17°26'26	17°10'10	15°14'14	F 29
S 30	14 32 51	9°51'59	27°11'26	14°8'27	20°11'32	29°11'32	9°11'39	18°58'58	14°36'36	3°11'11	7°19'19	16°58'58	17°22'22	17°10'10	15°11'11	S 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	4n34	18n 9	3s23	11n 5	1n 5	17n38	0n50	10s14	1s14	20n27	0s30	22n26	0n 6	23s 3	0s22	22n26	1s 0	1n33	16n38	22n 7	22n 8	18n44	17n16	5s13	
S 2	4 58	20 35	2 29	11 55	1 17	18 2	0 54	9 57	1 14	20 29	0 30	22 25	0 7	23 3	0 22	22 26	1 0	1 34	16 38	22 8	22 9	18 43	17 16	5 13	
S 3	5 21	21 59	1 29	12 43	1 28	18 25	0 57	9 39	1 14	20 32	0 30	22 25	0 7	23 3	0 22	22 26	1 0	1 34	16 38	22 8	22 9	18 41	17 17	5 12	
M 4	5 43	22 18	0 26	13 29	1 39	18 47	1 0	9 22	1 14	20 34	0 30	22 25	0 7	23 3	0 22	22 26	1 0	1 35	16 39	22 8	22 9	18 40	17 17	5 12	
T 5	6 6	21 36	0n37	14 12	1 49	19 9	1 3	9 5	1 14	20 36	0 29	22 25	0 7	23 3	0 23	22 26	1 0	1 36	16 39	22 8	22 10	18 39	17 18	5 12	
W 6	6 29	19 57	1 38	14 53	1 59	19 31	1 6	8 47	1 14	20 38	0 29	22 25	0 7	23 3	0 23	22 26	1 0	1 36	16 39	22 8	22 10	18 38	17 19	5 12	
T 7	6 52	17 26	2 34	15 32	2 9	19 52	1 10	8 29	1 15	20 40	0 29	22 25	0 7	23 3	0 23	22 26	1 0	1 37	16 39	22 8	22 11	18 37	17 19	5 11	
F 8	7 14	14 11	3 24	16 8	2 18	20 12	1 13	8 12	1 15	20 43	0 29	22 24	0 7	23 3	0 23	22 26	1 0	1 38	16 39	22 9	22 11	18 35	17 20	5 11	
S 9	7 36	10 19	4 6	16 41	2 26	20 33	1 16	7 54	1 15	20 45	0 29	22 24	0 7	23 3	0 23	22 26	1 0	1 38	16 40	22 10	22 12	18 34	17 21	5 11	
S 10	7 59	5 59	4 37	17 11	2 33	20 52	1 19	7 36	1 15	20 47	0 29	22 24	0 7	23 3	0 23	22 27	1 0	1 39	16 40	22 12	22 12	18 33	17 21	5 11	
M11	8 21	1 19	4 55	17 39	2 39	21 11	1 22	7 18	1 15	20 49	0 29	22 24	0 7	23 3	0 23	22 27	1 0	1 39	16 40	22 13	22 13	18 32	17 22	5 10	
T 12	8 43	3s29	5 0	18 3	2 45	21 30	1 25	7 0	1 15	20 52	0 28	22 24	0 7	23 3	0 23	22 27	1 0	1 40	16 40	22 15	22 13	18 30	17 23	5 10	
W13	9 4	8 14	4 49	18 25	2 49	21 48	1 28	6 42	1 15	20 54	0 28	22 23	0 7	23 3	0 23	22 27	1 0	1 41	16 40	22 17	22 13	18 29	17 23	5 10	
T 14	9 26	12 42	4 23	18 44	2 53	22 5	1 31	6 24	1 15	20 56	0 28	22 23	0 8	23 3	0 23	22 27	1 0	1 41	16 40	22 18	22 14	18 28	17 24	5 10	
F 15	9 47	16 36	3 42	18 59	2 55	22 22	1 34	6 6	1 15	20 58	0 28	22 23	0 8	23 3	0 23	22 27	1 0	1 42	16 40	22 20	22 14	18 27	17 25	5 10	
S 16	10 9	19 42	2 48	19 12	2 56	22 38	1 37	5 48	1 16	21 0	0 28	22 22	0 8	23 3	0 23	22 27	1 0	1 42	16 40	22 20	22 15	18 26	17 25	5 9	
S 17	10 30	21 43	1 43	19 22	2 56	22 54	1 40	5 30	1 16	21 3	0 28	22 22	0 8	23 3	0 23	22 27	1 0	1 43	16 40	22 21	22 15	18 24	17 26	5 9	
M18	10 51	22 28	0 32	19 29	2 55	23 9	1 43	5 12	1 16	21 5	0 27	22 22	0 8	23 3	0 23	22 27	1 0	1 44	16 41	22 21	22 16	18 23	17 27	5 9	
T 19	11 12	21 49	0s41	19 32	2 53	23 23	1 45	4 54	1 16	21 7	0 27	22 21	0 8	23 3	0 23	22 27	1 0	1 44	16 41	22 21	22 16	18 22	17 27	5 9	
W20	11 32	19 48	1 53	19 33	2 49	23 37	1 48	4 35	1 16	21 9	0 27	22 21	0 8	23 3	0 23	22 27	1 0	1 45	16 41	22 21	22 16	18 20	17 28	5 9	
T 21	11 53	16 32	2 59	19 31	2 44	23 50	1 51	4 17	1 16	21 11	0 27	22 21	0 8	23 3	0 23	22 27	1 0	1 45	16 41	22 21	22 17	18 19	17 29	5 8	
F 22	12 13	12 17	3 54	19 26	2 38	24 3	1 53	3 59	1 16	21 13	0 27	22 20	0 8	23 3	0 23	22 27	1 0	1 46	16 41	22 22	22 17	18 18	17 29	5 8	
S 23	12 33	7 19	4 34	19 18	2 30	24 15	1 56	3 40	1 16	21 16	0 27	22 20	0 8	23 3	0 23	22 27	1 0	1 46	16 41	22 23	22 18	18 17	17 30	5 8	
S 24	12 53	1 58	4 57	19 7	2 21	24 26	1 59	3 22	1 16	21 18	0 27	22 19	0 8	23 3	0 23	22 27	1 0	1 47	16 41	22 24	22 18	18 15	17 31	5 8	
M25	13 13	3n26	5 1	18 54	2 11	24 37	2 1	3 3	1 16	21 20	0 27	22 19	0 8	23 3	0 23	22 27	1 0	1 47	16 41	22 25	22 18	18 14	17 31	5 8	
T 26	13 32	8 35	4 47	18 38	2 0	24 47	2 3	2 45	1 16	21 22	0 26	22 18	0 9	23 3	0 23	22 27	0 59	1 48	16 41	22 26	22 19	18 13	17 32	5 8	
W27	13 51	13 13	4 17	18 20	1 47	24 56	2 6	2 27	1 16	21 24	0 26	22 18	0 9	23 3	0 23	22 27	0 59	1 48	16 41	22 28	22 19	18 11	17 33	5 7	
T 28	14 10	17 4	3 33	17 59	1 34	25 5	2 8	2 8	1 16	21 26	0 26	22 18	0 9	23 3	0 23	22 27	0 59	1 49	16 41	22 29	22 20	18 10	17 33	5 7	
F 29	14 29	19 59	2 38	17 37	1 19	25 13	2 10	1 50	1 16	21 28	0 26	22 17	0 9	23 3	0 23	22 27	0 59	1 49	16 41	22 30	22 20	18 9	17 34	5 7	
S 30	14n48	21n49	1s38	17n13	1n 4	25n20	2n12	1s31	1s16	21n30	0s26	22n16	0n 9	23s 3	0s23	22n27	0s59	1n50	16n41	22n30	22n21	18n 7	17n34	5s 7	

ASTRODIENST EPHEMERIS for the year 1740

geocentric

MAY 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 36 48	10°50'07	9°46	13°R53	21°II41	29°H51	9°II52	19°2	14°R35	3°12	7°R17	16°R 4	17°19	17°23	15°II24	S 1
M 2	14 40 44	11°48'13	21°52	13°17	22°49	0°Y37	10° 6	19° 6	14°35	3°14	7°M16	16°D 4	17°16	17°30	15°28	M 2
T 3	14 44 41	12°46'18	3°17	12°40	23°57	1°23	10°19	19°11	14°34	3°15	7°14	16°4	17°13	17°37	15°33	T 3
W 4	14 48 37	13°44'20	15°36	12° 3	25° 5	2° 9	10°32	19°16	14°33	3°17	7°12	16°R 5	17°10	17°43	15°38	W 4
T 5	14 52 34	14°42'21	27°27	11°26	26°13	2°55	10°45	19°20	14°32	3°18	7°11	16° 4	17° 7	17°50	15°43	T 5
F 6	14 56 30	15°40'19	9°22	10°50	27°21	3°41	10°58	19°25	14°31	3°20	7° 9	16° 1	17° 3	17°57	15°48	F 6
S 7	15 0 27	16°38'16	21°28	10°15	28°28	4°27	11°11	19°30	14°31	3°22	7° 7	15°56	17° 0	18° 3	15°53	S 7
S 8	15 4 24	17°36'11	3°48	9°43	29°35	5°12	11°25	19°35	14°30	3°23	7° 6	15°49	16°57	18°10	15°58	S 8
M 9	15 8 20	18°34'04	16°24	9°14	0°43	5°58	11°38	19°40	14°29	3°25	7° 4	15°40	16°54	18°17	16° 2	M 9
T 10	15 12 17	19°31'56	29°19	8°47	1°50	6°44	11°51	19°45	14°28	3°27	7° 2	15°30	16°51	18°23	16° 7	T 10
W11	15 16 13	20°29'46	12°32	8°24	2°56	7°30	12° 5	19°50	14°27	3°28	7° 1	15°21	16°47	18°30	16°13	W11
T 12	15 20 10	21°27'34	26° 2	8° 5	4° 3	8°15	12°18	19°55	14°26	3°30	6°59	15°12	16°44	18°37	16°18	T 12
F 13	15 24 6	22°25'21	9°46	7°50	5° 9	9° 1	12°31	20° 0	14°24	3°32	6°57	15° 6	16°41	18°43	16°23	F 13
S 14	15 28 3	23°23'07	23°42	7°39	6°16	9°47	12°45	20° 6	14°23	3°34	6°56	15° 2	16°38	18°50	16°28	S 14
S 15	15 31 59	24°20'52	7°345	7°32	7°22	10°32	12°58	20°11	14°22	3°36	6°54	15° 0	16°35	18°57	16°33	S 15
M16	15 35 56	25°18'35	21°53	7°D31	8°28	11°18	13°12	20°17	14°21	3°37	6°53	15°D 0	16°32	19° 3	16°38	M16
T 17	15 39 53	26°16'18	6°4	7°33	9°33	12° 3	13°25	20°22	14°19	3°39	6°51	15° 1	16°28	19°10	16°43	T 17
W18	15 43 49	27°13'59	20°14	7°40	10°39	12°49	13°39	20°28	14°18	3°41	6°49	15° 2	16°25	19°17	16°48	W18
T 19	15 47 46	28°11'39	4°24	7°52	11°44	13°34	13°53	20°34	14°17	3°43	6°48	15°R 2	16°22	19°23	16°54	T 19
F 20	15 51 42	29° 9'18	18°31	8° 8	12°49	14°20	14° 6	20°39	14°15	3°45	6°46	15° 0	16°19	19°30	16°59	F 20
S 21	15 55 39	0°II 6'57	2°Y33	8°29	13°54	15° 5	14°20	20°45	14°14	3°47	6°45	14°57	16°16	19°37	17° 4	S 21
S 22	15 59 35	1° 4'34	16°29	8°54	14°59	15°50	14°34	20°51	14°12	3°49	6°43	14°51	16°13	19°43	17°10	S 22
M23	16 3 32	2° 2'10	0°15	9°23	16° 3	16°36	14°47	20°57	14°11	3°51	6°42	14°45	16° 9	19°50	17°15	M23
T 24	16 7 28	2°59'46	13°49	9°56	17° 7	17°21	15° 1	21° 3	14° 9	3°53	6°40	14°38	16° 6	19°57	17°20	T 24
W25	16 11 25	3°57'20	27° 9	10°33	18°11	18° 6	15°15	21° 9	14° 7	3°55	6°39	14°31	16° 3	20° 3	17°25	W25
T 26	16 15 22	4°54'53	10°II12	11°15	19°15	18°51	15°28	21°15	14° 6	3°57	6°37	14°26	16° 0	20°10	17°31	T 26
F 27	16 19 18	5°52'26	22°58	12° 0	20°18	19°36	15°42	21°21	14° 4	3°59	6°36	14°22	15°57	20°17	17°36	F 27
S 28	16 23 15	6°49'57	5°28	12°48	21°21	20°21	15°56	21°28	14° 2	4° 1	6°35	14°20	15°53	20°23	17°42	S 28
S 29	16 27 11	7°47'26	17°43	13°41	22°24	21° 6	16°10	21°34	14° 1	4° 3	6°33	14°D20	15°50	20°30	17°47	S 29
M30	16 31 8	8°44'55	29°46	14°36	23°27	21°51	16°23	21°40	13°59	4° 5	6°32	14°21	15°47	20°37	17°52	M30
T 31	16 35 4	9°II42'23	11°1240	15°36	24°29	22°Y36	16°II37	21°47	13°57	4° 7	6°31	14°22	15°44	20°43	17°II58	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 6	22n33	0s34	16n47	0n48	25n27	2n15	1s13	1s16	21n32	0s26	22n16	0n 9	23s 3	0s23	22n27	0s59	1n50	16n40	22n30	22n21	18n 6	17n35	5s 7					
M 2	15 24	22 12	0n31	16 20	0 31	25 33	2 17	0 55	1 15	21 34	0 26	22 15	0 9	23 4	0 23	22 27	0 59	1 51	16 40	22 30	22 21	18 5	17 36	5 7					
T 3	15 42	20 51	1 33	15 53	0 14	25 38	2 18	0 36	1 15	21 36	0 25	22 15	0 9	23 4	0 23	22 27	0 59	1 51	16 40	22 30	22 22	18 4	17 36	5 7					
W 4	15 59	18 35	2 31	15 25	0s 3	25 43	2 20	0 18	1 15	21 38	0 25	22 14	0 9	23 4	0 23	22 27	0 59	1 51	16 40	22 30	22 22	18 2	17 37	5 7					
T 5	16 16	15 33	3 22	14 57	0 21	25 47	2 22	0n 1	1 15	21 40	0 25	22 14	0 9	23 4	0 23	22 27	0 59	1 52	16 40	22 30	22 23	18 1	17 38	5 6					
F 6	16 33	11 51	4 5	14 29	0 38	25 50	2 24	0 19	1 15	21 42	0 25	22 13	0 9	23 4	0 23	22 27	0 59	1 52	16 40	22 31	22 23	17 59	17 38	5 6					
S 7	16 50	7 39	4 38	14 2	0 55	25 53	2 25	0 37	1 15	21 44	0 25	22 12	0 9	23 4	0 23	22 27	0 59	1 53	16 40	22 31	22 23	17 58	17 39	5 6					
S 8	17 6	3 3	4 58	13 36	1 12	25 55	2 27	0 56	1 15	21 46	0 25	22 12	0 9	23 4	0 23	22 27	0 59	1 53	16 40	22 32	22 24	17 57	17 39	5 6					
M 9	17 23	1s46	5 5	13 12	1 28	25 56	2 28	1 14	1 15	21 48	0 25	22 11	0 10	23 4	0 23	22 27	0 59	1 53	16 40	22 33	22 24	17 55	17 40	5 6					
T 10	17 38	6 37	4 56	12 49	1 44	25 57	2 30	1 32	1 15	21 50	0 25	22 11	0 10	23 5	0 23	22 27	0 59	1 54	16 39	22 34	22 25	17 54	17 41	5 6					
W11	17 54	11 18	4 32	12 27	1 58	25 57	2 31	1 50	1 14	21 52	0 24	22 10	0 10	23 5	0 23	22 27	0 59	1 54	16 39	22 35	22 25	17 53	17 41	5 6					
T 12	18 9	15 32	3 52	12 8	2 12	25 56	2 32	2 8	1 14	21 54	0 24	22 9	0 10	23 5	0 24	22 27	0 59	1 54	16 39	22 36	22 25	17 51	17 42	5 6					
F 13	18 24	19 1	2 58	11 51	2 25	25 55	2 33	2 27	1 14	21 56	0 24	22 9	0 10	23 5	0 24	22 27	0 59	1 55	16 39	22 37	22 26	17 50	17 42	5 6					
S 14	18 39	21 27	1 52	11 36	2 37	25 53	2 34	2 45	1 14	21 57	0 24	22 8	0 10	23 5	0 24	22 27	0 59	1 55	16 39	22 37	22 26	17 49	17 43	5 6					
S 15	18 53	22 36	0 39	11 24	2 48	25 50	2 35	3 3	1 14	21 59	0 24	22 7	0 10	23 5	0 24	22 27	0 59	1 55	16 38	22 38	22 27	17 47	17 43	5 6					
M16	19 7	22 18	0s37	11 14	2 58	25 47	2 35	3 21	1 14	22 1	0 24	22 6	0 10	23 5	0 24	22 27	0 59	1 56	16 38	22 38	22 27	17 46	17 44	5 6					
T 17	19 21	20 35	1 51	11 6	3 7	25 43	2 36	3 39	1 13	22 3	0 24	22 6	0 10	23 6	0 24	22 27	0 59	1 56	16 38	22 38	22 27	17 44	17 45	5 5					
W18	19 34	17 35	2 58	11 1	3 14	25 39	2 36	3 57	1 13	22 5	0 24	22 5	0 10	23 6	0 24	22 27	0 59	1 56	16 38	22 37	22 28	17 43	17 45	5 5					
T 19	19 47	13 33	3 55	10 59	3 21	25 33	2 37	4 15	1 13	22 6	0 24	22 4	0 10	23 6	0 24	22 27	0 59	1 56	16 38	22 37	22 28	17 42	17 46	5 5					
F 20	20 0	8 47	4 37	10 58	3 27	25 28	2 37	4 32	1 13	22 8	0 23	22 3	0 10	23 6	0 24	22 26	0 59	1 57	16 37	22 38	22 28	17 40	17 46	5 5					
S 21	20 12	3 36	5 2	11 1	3 31	25 21	2 37	4 50	1 13	22 10	0 23	22 2	0 10	23 6	0 24	22 26	0 59	1 57	16 37	22 38	22 29	17 39	17 47	5 5					
S 22	20 24	1n44	5 9	11 5	3 35	25 14	2 37	5 8	1 12	22 12	0 23	22 2	0 11	23 6	0 24	22 26	0 59	1 57	16 37	22 39	22 29	17 37	17 47	5 5					
M23	20 36	6 56	4 58	11 11	3 38	25 6	2 37	5 25	1 12	22 13	0 23	22 1	0 11	23 7	0 24	22 26	0 59	1 57	16 37	22 39	22 30	17 36	17 48	5 5					
T 24	20 47	11 43	4 30	11 20	3 40	24 58	2 37	5 43	1 12	22 15	0 23	22 0	0 11	23 7	0 24	22 26	0 59	1 57	16 36	22 40	22 30	17 34	17 48	5 5					
W25	20 58	15 51	3 48	11 31	3 41	24 49	2 37	6 0	1 12	22 16	0 23	21 59	0 11	23 7	0 24	22 26	0 59	1 58	16 36	22 41	22 30	17 33	17 49	5 5					
T 26	21 9	19 8	2 55	11 43	3 41	24 40	2 36	6 18	1 11	22 18	0 23	21 58	0 11	23 7	0 24	22 26	0 59	1 58	16 36	22 41	22 31	17 32	17 49	5 5					
F 27	21 19	21 24	1 54	11 58	3 40	24 30	2 36	6 35	1 11	22 20	0 23	21 57	0 11	23 7	0 24	22 26	0 58	1 58	16 35	22 42	22 31	17 30	17 50	5 5					
S 28	21 29	22 33	0 48	12 14	3 38	24 19	2 35	6 52	1 11	22 21	0 23	21 56	0 11	23 8	0 24	22 26	0 58	1 58	16 35	22 42	22 31	17 29	17 50	5 5					
S 29	21 38	22 36	0n18	12 32	3 36	24 8	2 34	7 9	1 10	22 23	0 23	21 55	0 11	23 8	0 24	22 26	0 58	1 58	16 35	22 42	22 32	17 27	17 51	5 5					
M30	21 47	21 35	1 23	12 51	3 33	23 57	2 33	7 26	1 10	22 24	0 22	21 55	0 11	23 8	0 24	22 26	0 58	1 58	16 34	22 42	22 32	17 26	17 51	5 5					
T 31	21n56	19n37	2n24	13n12	3s29	23n45	2n32	7n43	1s10	22n26	0s22	21n54	0n11	23s 8	0s24	22n26	0s58	1n58	16n34	22n42	22n33	17n24	17n51	5s 5					

ASTRODIENST EPHEMERIS for the year 1740
geocentric

JUNE 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 39 1	10II39'49	23♏31	16♊38	25♎31	23♊20	16♊51	21♎53	13°R55	4♎9	6°R29	14♎24	15♎41	20♏50	18II3	W 1
T 2	16 42 57	11°37'14	5♏21	17°44	26°33	24° 5	17° 5	22° 0	13♎53	4°11	6♏28	14°25	15°38	20°57	18° 9	T 2
F 3	16 46 54	12°34'38	17°18	18°53	27°34	24°50	17°19	22° 6	13°51	4°13	6°27	14°R25	15°34	21° 3	18°14	F 3
S 4	16 50 51	13°32'01	29°24	20° 5	28°36	25°34	17°33	22°13	13°49	4°15	6°25	14°24	15°31	21°10	18°20	S 4
S 5	16 54 47	14°29'22	11♎46	21°21	29°36	26°19	17°46	22°20	13°47	4°17	6°24	14°21	15°28	21°17	18°25	S 5
M 6	16 58 44	15°26'43	24°26	22°39	0♏37	27° 3	18° 0	22°26	13°45	4°19	6°23	14°18	15°25	21°23	18°31	M 6
T 7	17 2 40	16°24'03	7♏27	24° 1	1°37	27°48	18°14	22°33	13°43	4°21	6°22	14°14	15°22	21°30	18°36	T 7
W 8	17 6 37	17°21'22	20°51	25°25	2°36	28°32	18°28	22°40	13°41	4°24	6°21	14°10	15°19	21°37	18°41	W 8
T 9	17 10 33	18°18'40	4♊36	26°52	3°36	29°16	18°42	22°47	13°39	4°26	6°19	14° 6	15°15	21°43	18°47	T 9
F 10	17 14 30	19°15'57	18°40	28°23	4°35	0♊1	18°56	22°54	13°37	4°28	6°18	14° 3	15°12	21°50	18°52	F 10
S 11	17 18 26	20°13'14	3♎0	29°56	5°33	0°45	19° 9	23° 1	13°35	4°30	6°17	14° 2	15° 9	21°57	18°58	S 11
S 12	17 22 23	21°10'30	17°29	1II32	6°31	1°29	19°23	23° 8	13°33	4°32	6°16	14°D 2	15° 6	22° 4	19° 3	S 12
M13	17 26 20	22° 7'45	2♎3	3°11	7°29	2°13	19°37	23°15	13°30	4°34	6°15	14° 2	15° 3	22°10	19° 9	M13
T 14	17 30 16	23° 5'01	16°35	4°53	8°26	2°57	19°51	23°22	13°28	4°37	6°14	14° 4	14°59	22°17	19°14	T 14
W15	17 34 13	24° 2'16	1♊2	6°38	9°23	3°41	20° 5	23°29	13°26	4°39	6°13	14° 5	14°56	22°24	19°20	W15
T 16	17 38 9	24°59'30	15°19	8°25	10°19	4°25	20°18	23°36	13°24	4°41	6°12	14° 6	14°53	22°30	19°25	T 16
F 17	17 42 6	25°56'45	29°25	10°15	11°15	5° 9	20°32	23°43	13°21	4°43	6°11	14°R 6	14°50	22°37	19°31	F 17
S 18	17 46 2	26°53'59	13♊18	12° 8	12°10	5°52	20°46	23°50	13°19	4°46	6°10	14° 5	14°47	22°44	19°36	S 18
S 19	17 49 59	27°51'14	26°57	14° 4	13° 5	6°36	21° 0	23°57	13°17	4°48	6° 9	14° 4	14°44	22°50	19°42	S 19
M20	17 53 55	28°48'28	10♊21	16° 1	13°59	7°20	21°14	24° 5	13°15	4°50	6° 8	14° 2	14°40	22°57	19°47	M20
T 21	17 57 52	29°45'42	23°31	18° 2	14°53	8° 3	21°27	24°12	13°12	4°52	6° 8	14° 0	14°37	23° 4	19°53	T 21
W22	18 1 49	0♎42'56	6II27	20° 4	15°46	8°47	21°41	24°19	13°10	4°54	6° 7	13°58	14°34	23°10	19°58	W22
T 23	18 5 45	1°40'10	19° 9	22° 8	16°39	9°30	21°55	24°27	13° 8	4°57	6° 6	13°57	14°31	23°17	20° 3	T 23
F 24	18 9 42	2°37'24	1♎37	24°14	17°31	10°14	22° 9	24°34	13° 5	4°59	6° 5	13°56	14°28	23°24	20° 9	F 24
S 25	18 13 38	3°34'38	13°54	26°21	18°22	10°57	22°22	24°42	13° 3	5° 1	6° 5	13°D56	14°25	23°30	20°14	S 25
S 26	18 17 35	4°31'51	26° 0	28°30	19°13	11°40	22°36	24°49	13° 0	5° 3	6° 4	13°56	14°21	23°37	20°20	S 26
M27	18 21 31	5°29'04	7♏58	0♎39	20° 3	12°23	22°50	24°57	12°58	5° 6	6° 3	13°57	14°18	23°44	20°25	M27
T 28	18 25 28	6°26'17	19°50	2°49	20°52	13° 6	23° 3	25° 4	12°56	5° 8	6° 3	13°57	14°15	23°50	20°30	T 28
W29	18 29 25	7°23'30	1♏40	5° 0	21°41	13°49	23°17	25°12	12°53	5°10	6° 2	13°58	14°12	23°57	20°36	W29
T 30	18 33 21	8°20'42	13♏30	7♎10	22♏28	14♊32	23II30	25♎19	12♎51	5♎12	6♏2	13♎59	14♎9	24♏4	20II41	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22n 5	16n49	3n18	13n34	3s24	23n32	2n31	8n 0	1s 9	22n27	0s22	21n53	0n11	23s 8	0s24	22n26	0s58	1n58	16n34	22n42	22n33	17n23	17n52	5s 5	
T 2	22 13	13 20	4 3	13 58	3 19	23 19	2 29	8 17	1 9	22 29	0 22	21 52	0 11	23 9	0 24	22 26	0 58	1 58	16 33	22 41	22 33	17 21	17 52	5 5	
F 3	22 20	9 18	4 39	14 22	3 13	23 5	2 28	8 34	1 9	22 30	0 22	21 51	0 11	23 9	0 24	22 26	0 58	1 58	16 33	22 41	22 34	17 20	17 53	5 5	
S 4	22 27	4 52	5 3	14 48	3 6	22 51	2 26	8 50	1 8	22 31	0 22	21 50	0 12	23 9	0 24	22 26	0 58	1 58	16 33	22 42	22 34	17 18	17 53	5 5	
S 5	22 34	0 9	5 13	15 14	2 59	22 36	2 24	9 7	1 8	22 33	0 22	21 49	0 12	23 9	0 24	22 26	0 58	1 58	16 32	22 42	22 34	17 17	17 54	5 6	
M 6	22 41	4s42	5 8	15 41	2 52	22 21	2 22	9 23	1 8	22 34	0 22	21 48	0 12	23 10	0 24	22 26	0 58	1 58	16 32	22 42	22 35	17 15	17 54	5 6	
T 7	22 47	9 28	4 48	16 9	2 44	22 6	2 20	9 39	1 7	22 35	0 22	21 47	0 12	23 10	0 24	22 26	0 58	1 58	16 31	22 43	22 35	17 14	17 54	5 6	
W 8	22 52	13 57	4 12	16 38	2 35	21 50	2 17	9 56	1 7	22 37	0 22	21 46	0 12	23 10	0 24	22 26	0 58	1 58	16 31	22 43	22 36	17 12	17 55	5 6	
T 9	22 57	17 49	3 20	17 7	2 26	21 34	2 15	10 12	1 6	22 38	0 21	21 45	0 12	23 10	0 24	22 26	0 58	1 58	16 30	22 43	22 36	17 11	17 55	5 6	
F 10	23 2	20 45	2 15	17 36	2 16	21 17	2 12	10 28	1 6	22 39	0 21	21 43	0 12	23 11	0 24	22 26	0 58	1 58	16 30	22 44	22 36	17 9	17 55	5 6	
S 11	23 7	22 26	1 0	18 6	2 7	21 0	2 9	10 44	1 6	22 41	0 21	21 42	0 12	23 11	0 24	22 26	0 58	1 58	16 30	22 44	22 37	17 8	17 56	5 6	
S 12	23 11	22 39	0s19	18 36	1 56	20 43	2 6	10 59	1 5	22 42	0 21	21 41	0 12	23 11	0 24	22 26	0 58	1 58	16 29	22 44	22 37	17 6	17 56	5 6	
M13	23 14	21 19	1 38	19 6	1 46	20 25	2 3	11 15	1 5	22 43	0 21	21 40	0 12	23 11	0 24	22 25	0 58	1 58	16 29	22 44	22 37	17 5	17 56	5 6	
T 14	23 17	18 35	2 50	19 35	1 35	20 7	2 0	11 30	1 4	22 44	0 21	21 39	0 12	23 11	0 24	22 25	0 58	1 58	16 28	22 44	22 38	17 3	17 57	5 6	
W15	23 20	14 43	3 51	20 4	1 24	19 48	1 56	11 46	1 4	22 45	0 21	21 38	0 12	23 12	0 24	22 25	0 58	1 58	16 28	22 44	22 38	17 2	17 57	5 6	
T 16	23 23	10 3	4 37	20 33	1 12	19 29	1 53	12 1	1 3	22 46	0 21	21 37	0 12	23 12	0 24	22 25	0 58	1 58	16 27	22 44	22 38	17 0	17 57	5 7	
F 17	23 25	4 54	5 5	21 1	1 1	19 10	1 49	12 16	1 3	22 47	0 21	21 36	0 13	23 12	0 24	22 25	0 58	1 58	16 27	22 43	22 39	16 59	17 58	5 7	
S 18	23 26	0n25	5 16	21 28	0 49	18 51	1 45	12 31	1 2	22 48	0 21	21 34	0 13	23 12	0 24	22 25	0 58	1 57	16 26	22 44	22 39	16 57	17 58	5 7	
S 19	23 27	5 37	5 8	21 54	0 38	18 31	1 41	12 46	1 2	22 49	0 21	21 33	0 13	23 13	0 24	22 25	0 58	1 57	16 26	22 44	22 39	16 56	17 58	5 7	
M20	23 28	10 28	4 43	22 18	0 26	18 11	1 36	13 0	1 1	22 50	0 20	21 32	0 13	23 13	0 24	22 25	0 58	1 57	16 25	22 44	22 40	16 54	17 59	5 7	
T 21	23 28	14 44	4 4	22 41	0 15	17 51	1 32	13 15	1 1	22 51	0 20	21 31	0 13	23 13	0 24	22 25	0 58	1 57	16 25	22 44	22 40	16 52	17 59	5 7	
W22	23 28	18 15	3 13	23 3	0 3	17 31	1 27	13 29	1 0	22 52	0 20	21 30	0 13	23 13	0 24	22 25	0 58	1 57	16 24	22 44	22 40	16 51	17 59	5 7	
T 23	23 28	20 49	2 13	23 22	0n 8	17 10	1 22	13 44	1 0	22 53	0 20	21 28	0 13	23 14	0 24	22 25	0 58	1 56	16 24	22 44	22 41	16 49	17 59	5 8	
F 24	23 27	22 20	1 8	23 39	0 18	16 49	1 17	13 58	0 59	22 54	0 20	21 27	0 13	23 14	0 24	22 25	0 58	1 56	16 23	22 45	22 41	16 48	18 0	5 8	
S 25	23 25	22 45	0 0	23 54	0 29	16 29	1 11	14 12	0 59	22 55	0 20	21 26	0 13	23 14	0 24	22 25	0 58	1 56	16 23	22 45	22 42	16 46	18 0	5 8	
S 26	23 24	22 4	1n 6	24 7	0 39	16 7	1 6	14 26	0 58	22 56	0 20	21 25	0 13	23 14	0 24	22 25	0 58	1 56	16 22	22 45	22 42	16 45	18 0	5 8	
M27	23 22	20 23	2 9	24 17	0 48	15 46	1 0	14 39	0 58	22 57	0 20	21 23	0 13	23 15	0 24	22 25	0 58	1 55	16 22	22 44	22 42	16 43	18 0	5 8	
T 28	23 19	17 50	3 6	24 24	0 57	15 25	0 54	14 53	0 57	22 58	0 20	21 22	0 13	23 15	0 24	22 24	0 58	1 55	16 21	22 44	22 43	16 41	18 0	5 8	
W29	23 16	14 33	3 55	24 28	1 6	15 3	0 48	15 6	0 57	22 58	0 20	21 21	0 14	23 15	0 24	22 24	0 58	1 55	16 21	22 44	22 43	16 40	18 0	5 8	
T 30	23n13	10n42	4n34	24n30	1n13	14n42	0n41	15n20	0s56	22n59	0s20	21n20	0n14	23s15	0s24	22n24	0s58	1n54	16n20	22n44	22n43	16n38	18n 1	5s 9	

ASTRODIENST EPHEMERIS for the year 1740

geocentric

JULY 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 37 18	9°51'54	25°26	9°52'1	23°15	15°8'15	23°14	25°27	12°R48	5°515	6°R 1	13°59	14°5 5	24°10	20°II46	F 1
S 2	18 41 14	10°15'06	7°232	11°31	24° 1	15°58	23°57	25°34	12°346	5°17	6°R 1	13°R59	14° 2	24°17	20°52	S 2
S 3	18 45 11	11°12'17	19°51	13°40	24°47	16°40	24°11	25°42	12°44	5°19	6° 0	13°59	13°59	24°24	20°57	S 3
M 4	18 49 7	12° 9'28	2°130	15°48	25°31	17°23	24°24	25°49	12°41	5°21	6° 0	13°59	13°56	24°30	21° 2	M 4
T 5	18 53 4	13° 6'40	15°30	17°55	26°15	18° 5	24°38	25°57	12°39	5°23	5°59	13°59	13°53	24°37	21° 8	T 5
W 6	18 57 0	14° 3'51	28°55	20° 1	26°57	18°48	24°51	26° 5	12°36	5°26	5°59	13°D59	13°50	24°44	21°13	W 6
T 7	19 0 57	15° 1'02	12°45	22° 6	27°39	19°30	25° 5	26°12	12°34	5°28	5°59	13°59	13°46	24°50	21°18	T 7
F 8	19 4 54	15°58'14	27° 0	24° 9	28°19	20°12	25°18	26°20	12°32	5°30	5°58	13°59	13°43	24°57	21°23	F 8
S 9	19 8 50	16°55'25	11°335	26°10	28°58	20°54	25°31	26°28	12°29	5°32	5°58	13°R59	13°40	25° 4	21°28	S 9
S 10	19 12 47	17°52'37	26°25	28°10	29°37	21°37	25°44	26°36	12°27	5°34	5°58	13°59	13°37	25°10	21°33	S 10
M 11	19 16 43	18°49'49	11°23	0°8 8	0°14	22°19	25°58	26°43	12°24	5°37	5°58	13°59	13°34	25°17	21°38	M 11
T 12	19 20 40	19°47'01	26°19	2° 4	0°50	23° 1	26°11	26°51	12°22	5°39	5°57	13°58	13°31	25°24	21°44	T 12
W 13	19 24 36	20°44'14	11°7 7	3°59	1°24	23°42	26°24	26°59	12°20	5°41	5°57	13°58	13°27	25°31	21°49	W 13
T 14	19 28 33	21°41'28	25°41	5°52	1°58	24°24	26°37	27° 6	12°17	5°43	5°57	13°57	13°24	25°37	21°54	T 14
F 15	19 32 29	22°38'42	9°55	7°43	2°30	25° 6	26°50	27°14	12°15	5°45	5°57	13°56	13°21	25°44	21°59	F 15
S 16	19 36 26	23°35'57	23°48	9°32	3° 0	25°47	27° 3	27°22	12°12	5°47	5°D57	13°D56	13°18	25°51	22° 4	S 16
S 17	19 40 23	24°33'13	7°20	11°19	3°29	26°29	27°16	27°30	12°10	5°50	5°57	13°56	13°15	25°57	22° 8	S 17
M 18	19 44 19	25°30'30	20°32	13° 4	3°57	27°10	27°29	27°37	12° 8	5°52	5°57	13°57	13°11	26° 4	22°13	M 18
T 19	19 48 16	26°27'48	3°125	14°48	4°23	27°52	27°42	27°45	12° 5	5°54	5°57	13°58	13° 8	26°11	22°18	T 19
W 20	19 52 12	27°25'06	16° 2	16°30	4°48	28°33	27°55	27°53	12° 3	5°56	5°57	13°59	13° 5	26°17	22°23	W 20
T 21	19 56 9	28°22'26	28°26	18°10	5°10	29°14	28° 8	28° 1	12° 1	5°58	5°58	14° 0	13° 2	26°24	22°28	T 21
F 22	20 0 5	29°19'46	10°39	19°48	5°31	29°55	28°21	28° 9	11°58	6° 0	5°58	14°R 1	12°59	26°31	22°33	F 22
S 23	20 4 2	0°17'07	22°43	21°25	5°51	0°136	28°33	28°16	11°56	6° 2	5°58	14° 1	12°56	26°37	22°37	S 23
S 24	20 7 58	1°14'28	4°41	23° 0	6° 8	1°17	28°46	28°24	11°54	6° 4	5°58	14° 0	12°52	26°44	22°42	S 24
M 25	20 11 55	2°11'51	16°33	24°33	6°24	1°58	28°58	28°32	11°52	6° 6	5°58	13°58	12°49	26°51	22°47	M 25
T 26	20 15 52	3° 9'14	28°23	26° 4	6°37	2°39	29°11	28°40	11°50	6° 8	5°59	13°55	12°46	26°57	22°51	T 26
W 27	20 19 48	4° 6'37	10°12	27°33	6°49	3°19	29°24	28°47	11°47	6°10	5°59	13°52	12°43	27° 4	22°56	W 27
T 28	20 23 45	5° 4'02	22° 4	29° 1	6°59	4° 0	29°36	28°55	11°45	6°12	6° 0	13°49	12°40	27°11	23° 0	T 28
F 29	20 27 41	6° 1'27	4°1	0°26	7° 6	4°40	29°48	29° 3	11°43	6°14	6° 0	13°46	12°37	27°17	23° 5	F 29
S 30	20 31 38	6°58'52	16° 6	1°50	7°11	5°20	0°5	29°11	11°41	6°16	6° 0	13°43	12°33	27°24	23° 9	S 30
S 31	20 35 34	7°56'19	28°24	3°12	7°14	6°II 0	0°513	29°518	11°339	6°518	6°R 1	13°42	12°30	27°531	23°II14	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23n 9	6n25	5n 1	24n29	1n20	14n20	0n35	15n33	0s55	23n 0	0s20	21n18	0n14	23s16	0s24	22n24	0s58	1n54	16n20	22n44	22n44	16n37	18n 1	5s 9			
S 2	23 5	1 50	5 15	24 25	1 27	13 58	0 28	15 46	0 55	23 1	0 19	21 17	0 14	23 16	0 24	22 24	0 58	1 54	16 19	22 44	22 44	16 35	18 1	5 9			
S 3	23 0	2s54	5 16	24 18	1 32	13 37	0 21	15 58	0 54	23 1	0 19	21 16	0 14	23 16	0 24	22 24	0 58	1 53	16 19	22 44	22 44	16 33	18 1	5 9			
M 4	22 55	7 38	5 1	24 8	1 37	13 15	0 14	16 11	0 54	23 2	0 19	21 14	0 14	23 16	0 24	22 24	0 58	1 53	16 18	22 44	22 45	16 32	18 1	5 10			
T 5	22 50	12 11	4 31	23 56	1 41	12 53	0 6	16 24	0 53	23 3	0 19	21 13	0 14	23 17	0 24	22 24	0 58	1 52	16 18	22 44	22 45	16 30	18 1	5 10			
W 6	22 44	16 17	3 45	23 42	1 44	12 31	0s 2	16 36	0 52	23 3	0 19	21 12	0 14	23 17	0 24	22 24	0 58	1 52	16 17	22 44	22 45	16 28	18 1	5 10			
T 7	22 38	19 38	2 45	23 25	1 47	12 10	0 10	16 48	0 52	23 4	0 19	21 10	0 14	23 17	0 24	22 24	0 58	1 52	16 16	22 44	22 46	16 27	18 2	5 10			
F 8	22 31	21 53	1 33	23 6	1 49	11 48	0 18	17 0	0 51	23 4	0 19	21 9	0 14	23 17	0 24	22 24	0 58	1 51	16 16	22 44	22 46	16 25	18 2	5 11			
S 9	22 24	22 45	0 13	22 45	1 50	11 26	0 26	17 12	0 51	23 5	0 19	21 7	0 14	23 17	0 24	22 24	0 58	1 51	16 15	22 44	22 46	16 24	18 2	5 11			
S 10	22 17	22 1	1s 9	22 21	1 50	11 5	0 35	17 23	0 50	23 5	0 19	21 6	0 14	23 18	0 24	22 23	0 58	1 50	16 15	22 44	22 46	16 22	18 2	5 11			
M11	22 9	19 44	2 26	21 56	1 50	10 44	0 44	17 35	0 49	23 6	0 19	21 5	0 15	23 18	0 24	22 23	0 58	1 50	16 14	22 44	22 47	16 20	18 2	5 11			
T 12	22 1	16 7	3 34	21 30	1 49	10 22	0 53	17 46	0 49	23 6	0 19	21 3	0 15	23 18	0 25	22 23	0 58	1 49	16 14	22 44	22 47	16 19	18 2	5 12			
W13	21 52	11 31	4 27	21 2	1 48	10 1	1 2	17 57	0 48	23 7	0 19	21 2	0 15	23 18	0 25	22 23	0 58	1 49	16 13	22 44	22 47	16 17	18 2	5 12			
T 14	21 43	6 19	5 1	20 32	1 45	9 40	1 12	18 8	0 47	23 7	0 18	21 0	0 15	23 19	0 25	22 23	0 58	1 48	16 13	22 44	22 48	16 15	18 2	5 12			
F 15	21 34	0 55	5 16	20 1	1 43	9 20	1 22	18 19	0 46	23 8	0 18	20 59	0 15	23 19	0 25	22 23	0 58	1 48	16 12	22 44	22 48	16 14	18 2	5 12			
S 16	21 24	4n25	5 12	19 29	1 39	8 59	1 32	18 29	0 46	23 8	0 18	20 58	0 15	23 19	0 25	22 23	0 58	1 47	16 11	22 45	22 48	16 12	18 2	5 13			
S 17	21 14	9 23	4 51	18 56	1 36	8 39	1 42	18 40	0 45	23 8	0 18	20 56	0 15	23 19	0 25	22 23	0 58	1 47	16 11	22 44	22 49	16 10	18 2	5 13			
M18	21 4	13 49	4 15	18 22	1 31	8 19	1 53	18 50	0 44	23 9	0 18	20 55	0 15	23 20	0 25	22 23	0 58	1 46	16 10	22 44	22 49	16 9	18 2	5 13			
T 19	20 53	17 29	3 26	17 48	1 26	8 0	2 3	19 0	0 44	23 9	0 18	20 53	0 15	23 20	0 25	22 23	0 58	1 45	16 10	22 44	22 49	16 7	18 2	5 14			
W20	20 42	20 16	2 29	17 12	1 21	7 41	2 14	19 10	0 43	23 9	0 18	20 52	0 15	23 20	0 25	22 23	0 58	1 45	16 9	22 44	22 50	16 5	18 2	5 14			
T 21	20 31	22 3	1 25	16 36	1 15	7 22	2 26	19 20	0 42	23 10	0 18	20 50	0 15	23 20	0 25	22 22	0 58	1 44	16 8	22 44	22 50	16 3	18 2	5 14			
F 22	20 19	22 44	0 19	15 59	1 9	7 4	2 37	19 29	0 41	23 10	0 18	20 49	0 15	23 20	0 25	22 22	0 58	1 44	16 8	22 44	22 50	16 2	18 2	5 15			
S 23	20 7	22 21	0n48	15 22	1 3	6 46	2 49	19 39	0 41	23 10	0 18	20 47	0 16	23 21	0 25	22 22	0 58	1 43	16 7	22 44	22 51	16 0	18 2	5 15			
S 24	19 55	20 56	1 52	14 45	0 56	6 28	3 1	19 48	0 40	23 10	0 18	20 46	0 16	23 21	0 25	22 22	0 58	1 42	16 7	22 44	22 51	15 58	18 2	5 15			
M25	19 42	18 36	2 50	14 7	0 48	6 11	3 13	19 57	0 39	23 10	0 18	20 44	0 16	23 21	0 25	22 22	0 58	1 42	16 6	22 44	22 51	15 57	18 1	5 16			
T 26	19 29	15 30	3 41	13 29	0 41	5 55	3 25	20 5	0 38	23 11	0 18	20 43	0 16	23 21	0 25	22 22	0 58	1 41	16 6	22 45	22 52	15 55	18 1	5 16			
W27	19 15	11 48	4 22	12 51	0 33	5 39	3 38	20 14	0 38	23 11	0 18	20 41	0 16	23 21	0 25	22 22	0 58	1 40	16 5	22 45	22 52	15 53	18 1	5 16			
T 28	19 2	7 37	4 52	12 13	0 24	5 24	3 50	20 22	0 37	23 11	0 17	20 40	0 16	23 22	0 25	22 22	0 58	1 40	16 4	22 45	22 52	15 51	18 1	5 17			
F 29	18 48	3 9	5 10	11 35	0 16	5 9	4 3	20 31	0 36	23 11	0 17	20 38	0 16	23 22	0 25	22 22	0 58	1 39	16 4	22 46	22 52	15 50	18 1	5 17			
S 30	18 33	1s30	5 14	10 57	0 7	4 55	4 16	20 39	0 35	23 11	0 17	20 37	0 16	23 22	0 25	22 22	0 58	1 38	16 3	22 46	22 53	15 48	18 1	5 17			
S 31	18n19	6s11	5n 4	10n19	0s 2	4n42	4s29	20n47	0s34	23n11	0s17	20n35	0n16	23s22	0s25	22n21	0s58	1n38	16n 3	22n46	22n53	15n46	18n 1	5s18			

ASTRODIENST EPHEMERIS for the year 1740

geocentric

AUGUST 1740

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 39 31	8♂53'46	10♂58	4♂32	7♂15	6♂41	0♂25	29♂26	11♂37	6♂20	6♂1	13♂D41	12♂27	27♂37	23♂18	M 1
T 2	20 43 27	9°51'14	23°54	5°50	7♂13	7°21	0°37	29°34	11♂35	6°22	6°2	13♂42	12°24	27°44	23°22	T 2
W 3	20 47 24	10°48'42	7♂13	7°6	7°9	8°0	0°49	29°41	11°33	6°24	6°3	13°43	12°21	27°51	23°27	W 3
T 4	20 51 21	11°46'12	20°58	8°20	7°2	8°40	1°1	29°49	11°31	6°26	6°3	13°45	12°17	27°58	23°31	T 4
F 5	20 55 17	12°43'42	5♂11	9°31	6°53	9°20	1°13	29°57	11°29	6°28	6°4	13°46	12°14	28°4	23°35	F 5
S 6	20 59 14	13°41'14	19°49	10°41	6°42	9°59	1°25	0♂4	11°27	6°30	6°5	13°R46	12°11	28°11	23°39	S 6
S 7	21 3 10	14°38'46	4♂47	11°48	6°29	10°39	1°37	0°12	11°25	6°32	6°5	13°45	12°8	28°18	23°43	S 7
M 8	21 7 7	15°36'19	19°58	12°52	6°13	11°18	1°48	0°20	11°23	6°34	6°6	13°42	12°5	28°24	23°47	M 8
T 9	21 11 3	16°33'53	5♂12	13°55	5°54	11°57	2°0	0°27	11°21	6°35	6°7	13°38	12°2	28°31	23°51	T 9
W10	21 15 0	17°31'29	20°19	14°54	5°34	12°36	2°11	0°35	11°19	6°37	6°8	13°33	11°58	28°38	23°55	W10
T 11	21 18 56	18°29'06	5♂10	15°51	5°11	13°15	2°23	0°42	11°18	6°39	6°8	13°29	11°55	28°44	23°59	T 11
F 12	21 22 53	19°26'45	19°37	16°45	4°46	13°54	2°34	0°50	11°16	6°41	6°9	13°25	11°52	28°51	24°3	F 12
S 13	21 26 50	20°24'25	3♂38	17°36	4°19	14°33	2°46	0°57	11°14	6°42	6°10	13°22	11°49	28°58	24°7	S 13
S 14	21 30 46	21°22'07	17°12	18°23	3°50	15°12	2°57	1°5	11°13	6°44	6°11	13°D21	11°46	29°4	24°10	S 14
M15	21 34 43	22°19'50	0♂20	19°8	3°20	15°50	3°8	1°12	11°11	6°46	6°12	13°21	11°43	29°11	24°14	M15
T 16	21 38 39	23°17'35	13°6	19°48	2°48	16°29	3°19	1°20	11°9	6°48	6°13	13°22	11°39	29°18	24°18	T 16
W17	21 42 36	24°15'22	25°33	20°25	2°15	17°7	3°30	1°27	11°8	6°49	6°14	13°24	11°36	29°24	24°21	W17
T 18	21 46 32	25°13'11	7♂46	20°58	1°40	17°45	3°41	1°34	11°6	6°51	6°15	13°R25	11°33	29°31	24°25	T 18
F 19	21 50 29	26°11'01	19°48	21°27	1°5	18°23	3°52	1°42	11°5	6°52	6°16	13°25	11°30	29°38	24°28	F 19
S 20	21 54 25	27°8'52	1♂43	21°51	0°28	19°1	4°2	1°49	11°3	6°54	6°18	13°23	11°27	29°45	24°32	S 20
S 21	21 58 22	28°6'46	13°34	22°10	29♂52	19°39	4°13	1°56	11°2	6°56	6°19	13°19	11°23	29°51	24°35	S 21
M22	22 2 19	29°4'40	25°23	22°25	29°14	20°17	4°23	2°4	11°0	6°57	6°20	13°13	11°20	29°58	24°38	M22
T 23	22 6 15	0♂237	7♂13	22°34	28°37	20°54	4°34	2°11	10°59	6°59	6°21	13°5	11°17	0♂5	24°41	T 23
W24	22 10 12	1°0'35	19°5	22°R38	28°0	21°32	4°44	2°18	10°58	7°0	6°23	12°56	11°14	0°11	24°44	W24
T 25	22 14 8	1°58'34	1♂1	22°35	27°24	22°9	4°54	2°25	10°57	7°2	6°24	12°47	11°11	0°18	24°48	T 25
F 26	22 18 5	2°56'35	13°2	22°27	26°48	22°46	5°4	2°32	10°55	7°3	6°25	12°38	11°8	0°25	24°51	F 26
S 27	22 22 1	3°54'37	25°12	22°13	26°13	23°23	5°14	2°39	10°54	7°4	6°27	12°31	11°4	0°31	24°53	S 27
S 28	22 25 58	4°52'41	7♂32	21°53	25°39	24°0	5°24	2°46	10°53	7°6	6°28	12°25	11°1	0°38	24°56	S 28
M29	22 29 54	5°50'46	20°6	21°26	25°6	24°37	5°34	2°53	10°52	7°7	6°29	12°22	10°58	0°45	24°59	M29
T 30	22 33 51	6°48'52	2♂57	20°54	24°35	25°13	5°44	3°0	10°51	7°8	6°31	12°D20	10°55	0°51	25°2	T 30
W31	22 37 47	7♂47'00	16♂9	20♂15	24♂5	25♂50	5♂53	3♂7	10♂50	7♂10	6♂32	12♂20	10♂52	0♂58	25♂5	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	18n 4	10s42	4n40	9n41	0s11	4n30	4s42	20n54	0s33	23n11	0s17	20n34	0n16	23s22	0s25	22n21	0s58	1n37	16n 2	22n46	22n53	15n45	18n 1	5s18					
T 2	17 48	14 53	4 0	9 4	0 21	4 18	4 55	21 2	0 33	23 11	0 17	20 32	0 16	23 22	0 25	22 21	0 58	1 36	16 1	22 46	22 54	15 43	18 0	5 18					
W 3	17 33	18 28	3 7	8 26	0 31	4 8	5 8	21 9	0 32	23 11	0 17	20 31	0 17	23 23	0 25	22 21	0 58	1 36	16 1	22 46	22 54	15 41	18 0	5 19					
T 4	17 17	21 8	2 2	7 50	0 41	3 58	5 21	21 16	0 31	23 11	0 17	20 29	0 17	23 23	0 25	22 21	0 58	1 35	16 0	22 46	22 54	15 39	18 0	5 19					
F 5	17 1	22 35	0 47	7 13	0 51	3 49	5 34	21 23	0 30	23 11	0 17	20 28	0 17	23 23	0 25	22 21	0 58	1 34	16 0	22 46	22 54	15 38	18 0	5 20					
S 6	16 44	22 33	0s33	6 38	1 1	3 41	5 47	21 30	0 29	23 11	0 17	20 26	0 17	23 23	0 25	22 21	0 58	1 33	15 59	22 46	22 55	15 36	18 0	5 20					
S 7	16 28	20 55	1 53	6 3	1 12	3 34	6 0	21 36	0 28	23 11	0 17	20 25	0 17	23 23	0 25	22 21	0 58	1 33	15 59	22 46	22 55	15 34	17 59	5 20					
M 8	16 11	17 46	3 5	5 28	1 22	3 28	6 13	21 43	0 27	23 11	0 17	20 23	0 17	23 23	0 25	22 21	0 58	1 32	15 58	22 46	22 55	15 32	17 59	5 21					
T 9	15 54	13 24	4 5	4 55	1 33	3 23	6 25	21 49	0 27	23 11	0 17	20 22	0 17	23 24	0 25	22 21	0 58	1 31	15 57	22 46	22 56	15 30	17 59	5 21					
W10	15 36	8 14	4 47	4 22	1 44	3 19	6 37	21 55	0 26	23 11	0 17	20 20	0 17	23 24	0 25	22 20	0 58	1 30	15 57	22 47	22 56	15 29	17 59	5 22					
T 11	15 18	2 40	5 8	3 50	1 54	3 16	6 49	22 1	0 25	23 11	0 16	20 19	0 17	23 24	0 25	22 20	0 58	1 29	15 56	22 47	22 56	15 27	17 58	5 22					
F 12	15 1	2n54	5 10	3 19	2 5	3 15	7 0	22 6	0 24	23 10	0 16	20 17	0 17	23 24	0 24	22 20	0 58	1 29	15 56	22 48	22 57	15 25	17 58	5 22					
S 13	14 42	8 10	4 52	2 49	2 16	3 14	7 11	22 12	0 23	23 10	0 16	20 15	0 17	23 24	0 24	22 20	0 58	1 28	15 55	22 48	22 57	15 23	17 58	5 23					
S 14	14 24	12 51	4 19	2 21	2 26	3 15	7 22	22 17	0 22	23 10	0 16	20 14	0 18	23 24	0 24	22 20	0 58	1 27	15 55	22 48	22 57	15 21	17 58	5 23					
M15	14 5	16 47	3 33	1 54	2 37	3 16	7 31	22 22	0 21	23 10	0 16	20 12	0 18	23 24	0 24	22 20	0 58	1 26	15 54	22 48	22 57	15 20	17 57	5 24					
T 16	13 46	19 48	2 37	1 28	2 48	3 19	7 41	22 27	0 20	23 10	0 16	20 11	0 18	23 25	0 24	22 20	0 58	1 25	15 54	22 48	22 58	15 18	17 57	5 24					
W17	13 27	21 48	1 36	1 4	2 58	3 23	7 49	22 32	0 19	23 10	0 16	20 9	0 18	23 25	0 24	22 20	0 58	1 24	15 53	22 48	22 58	15 16	17 57	5 25					
T 18	13 8	22 44	0 31	0 42	3 8	3 28	7 57	22 36	0 18	23 9	0 16	20 8	0 18	23 25	0 24	22 20	0 58	1 24	15 52	22 48	22 58	15 14	17 56	5 25					
F 19	12 48	22 35	0n35	0 22	3 18	3 34	8 4	22 41	0 17	23 9	0 16	20 6	0 18	23 25	0 24	22 20	0 58	1 23	15 52	22 48	22 58	15 12	17 56	5 26					
S 20	12 29	21 23	1 38	0 3	3 28	3 40	8 10	22 45	0 16	23 9	0 16	20 5	0 18	23 25	0 24	22 19	0 58	1 22	15 51	22 48	22 59	15 11	17 56	5 26					
S 21	12 9	19 16	2 36	0s13	3 37	3 48	8 15	22 49	0 15	23 9	0 16	20 3	0 18	23 25	0 24	22 19	0 58	1 21	15 51	22 48	22 59	15 9	17 55	5 27					
M22	11 49	16 19	3 27	0 26	3 45	3 56	8 20	22 53	0 14	23 8	0 16	20 2	0 18	23 25	0 24	22 19	0 58	1 20	15 50	22 49	22 59	15 7	17 55	5 27					
T 23	11 28	12 43	4 9	0 37	3 54	4 6	8 23	22 57	0 13	23 8	0 16	20 0	0 18	23 25	0 24	22 19	0 58	1 19	15 50	22 50	23 0	15 5	17 55	5 27					
W24	11 8	8 38	4 41	0 46	4 1	4 15	8 26	23 0	0 12	23 8	0 16	19 59	0 19	23 25	0 24	22 19	0 58	1 18	15 49	22 51	23 0	15 3	17 54	5 28					
T 25	10 47	4 11	5 0	0 51	4 8	4 26	8 28	23 3	0 11	23 7	0 15	19 57	0 19	23 26	0 24	22 19	0 58	1 17	15 49	22 51	23 0	15 1	17 54	5 28					
F 26	10 26	0s27	5 6	0 53	4 13	4 37	8 29	23 6	0 10	23 7	0 15	19 56	0 19	23 26	0 24	22 19	0 58	1 17	15 48	22 52	23 0	14 59	17 54	5 29					
S 27	10 5	5 7	4 59	0 52	4 18	4 49	8 28	23 9	0 9	23 7	0 15	19 54	0 19	23 26	0 24	22 19	0 58	1 16	15 48	22 53	23 1	14 58	17 53	5 29					
S 28	9 44	9 40	4 38	0 47	4 22	5 1	8 28	23 12	0 8	23 6	0 15	19 53	0 19	23 26	0 24	22 19	0 58	1 15	15 47	22 54	23 1	14 56	17 53	5 30					
M29	9 23	13 53	4 3	0 39	4 24	5 13	8 26	23 15	0 7	23 6	0 15	19 51	0 19	23 26	0 24	22 19	0 58	1 14	15 47	22 54	23 1	14 54	17 52	5 30					
T 30	9 1	17 35	3 15	0 27	4 25	5 26	8 23	23 17	0 6	23 6	0 15	19 50	0 19	23 26	0 24	22 19	0 58	1 13	15 46	22 54	23 1	14 52	17 52	5 31					
W31	8n40	20s30	2n16	0s11	4s24	5n39	8s20	23n20	0s 5	23n 5	0s15	19n48	0n19	23s26	0s24	22n18	0s58	1n12	15n46	22n54	23n 2	14n50	17n52	5s31					

ASTRODIENST EPHEMERIS for the year 1740
geocentric

SEPTEMBER 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 44	8♐45'10	29♌45	19°R31	23°R37	26♊26	6♌ 3	3♏14	10°R49	7♌11	6♐34	12♌21	10♌48	1♐ 5	25♊ 7	T 1
F 2	22 45 41	9°43'21	13♌47	18♐42	23♏12	27° 2	6°12	3°21	10♌48	7°12	6°35	12°R22	10°45	1°12	25°10	F 2
S 3	22 49 37	10°41'33	28°15	17°49	22°48	27°38	6°21	3°27	10°47	7°13	6°37	12°21	10°42	1°18	25°12	S 3
S 4	22 53 34	11°39'47	13♌ 6	16°52	22°26	28°14	6°30	3°34	10°47	7°15	6°38	12°17	10°39	1°25	25°15	S 4
M 5	22 57 30	12°38'03	28°15	15°53	22° 7	28°49	6°39	3°41	10°46	7°16	6°40	12°12	10°36	1°32	25°17	M 5
T 6	23 1 127	13°36'20	13♌32	14°52	21°50	29°25	6°48	3°47	10°45	7°17	6°42	12° 4	10°33	1°38	25°19	T 6
W 7	23 5 23	14°34'39	28°46	13°52	21°35	0♌ 0	6°57	3°54	10°45	7°18	6°43	11°55	10°29	1°45	25°21	W 7
T 8	23 9 20	15°33'00	13♌47	12°53	21°22	0°36	7° 6	4° 0	10°44	7°19	6°45	11°46	10°26	1°52	25°23	T 8
F 9	23 13 16	16°31'23	28°25	11°57	21°13	1°11	7°14	4° 7	10°43	7°20	6°47	11°37	10°23	1°58	25°25	F 9
S 10	23 17 13	17°29'48	12♌36	11° 6	21° 5	1°45	7°22	4°13	10°43	7°21	6°48	11°31	10°20	2° 5	25°27	S 10
S 11	23 21 10	18°28'15	26°16	10°20	21° 0	2°20	7°31	4°19	10°42	7°22	6°50	11°26	10°17	2°12	25°29	S 11
M12	23 25 6	19°26'44	9♊28	9°41	20°58	2°55	7°39	4°26	10°42	7°23	6°52	11°24	10°14	2°18	25°31	M12
T 13	23 29 3	20°25'16	22°14	9° 9	20°D57	3°29	7°47	4°32	10°42	7°24	6°54	11°D24	10°10	2°25	25°33	T 13
W14	23 32 59	21°23'50	4♌38	8°47	20°59	4° 3	7°55	4°38	10°41	7°25	6°56	11°24	10° 7	2°32	25°34	W14
T 15	23 36 56	22°22'26	16°47	8°33	21° 4	4°37	8° 2	4°44	10°41	7°26	6°57	11°R24	10° 4	2°39	25°36	T 15
F 16	23 40 52	23°21'04	28°44	8°D29	21°11	5°11	8°10	4°50	10°41	7°27	6°59	11°23	10° 1	2°45	25°38	F 16
S 17	23 44 49	24°19'45	10♏35	8°35	21°20	5°45	8°17	4°56	10°41	7°27	7° 1	11°19	9°58	2°52	25°39	S 17
S 18	23 48 45	25°18'27	22°24	8°50	21°31	6°18	8°25	5° 2	10°41	7°28	7° 3	11°13	9°54	2°59	25°40	S 18
M19	23 52 42	26°17'12	4♐13	9°15	21°44	6°51	8°32	5° 8	10°41	7°29	7° 5	11° 3	9°51	3° 5	25°42	M19
T 20	23 56 39	27°15'58	16° 6	9°49	21°59	7°25	8°39	5°14	10°D41	7°30	7° 7	10°52	9°48	3°12	25°43	T 20
W21	0 0 35	28°14'47	28° 4	10°32	22°16	7°57	8°46	5°20	10°41	7°30	7° 9	10°38	9°45	3°19	25°44	W21
T 22	0 4 32	29°13'38	10♌ 8	11°24	22°36	8°30	8°52	5°25	10°41	7°31	7°11	10°24	9°42	3°25	25°45	T 22
F 23	0 8 28	0♌12'30	22°19	12°23	22°57	9° 2	8°59	5°31	10°41	7°31	7°13	10°11	9°39	3°32	25°46	F 23
S 24	0 12 25	1°11'25	4♐39	13°30	23°19	9°35	9° 5	5°36	10°41	7°32	7°15	9°59	9°35	3°39	25°47	S 24
S 25	0 16 21	2°10'21	17° 8	14°42	23°44	10° 7	9°11	5°42	10°41	7°33	7°17	9°50	9°32	3°45	25°48	S 25
M26	0 20 18	3° 9'20	29°49	16° 1	24°10	10°39	9°17	5°47	10°42	7°33	7°19	9°44	9°29	3°52	25°49	M26
T 27	0 24 14	4° 8'20	12♌43	17°24	24°38	11°10	9°23	5°52	10°42	7°34	7°21	9°41	9°26	3°59	25°49	T 27
W28	0 28 11	5° 7'22	25°54	18°52	25° 8	11°42	9°29	5°58	10°42	7°34	7°24	9°39	9°23	4° 6	25°49	W28
T 29	0 32 8	6° 6'26	9♌23	20°24	25°39	12°13	9°35	6° 3	10°43	7°34	7°26	9°39	9°20	4°12	25°50	T 29
F 30	0 36 4	7♌ 5'31	23♌14	21♐58	26♏11	12♌44	9♌40	6♏ 8	10♌43	7♌35	7♐28	9♌39	9♌16	4♐19	25♊50	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n18	22s21	1n 7	0n 9	4s22	5n51	8s15	23n22	0s 4	23n 5	0s15	19n47	0n19	23s26	0s24	22n18	0s58	1n11	15n45	22n54	23n 2	14n48	17n51	5s32	
F 2	7 56	22 53	0s 8	0 32	4 17	6 4	8 10	23 24	0 2	23 5	0 15	19 45	0 20	23 26	0 24	22 18	0 58	1 10	15 45	22 54	23 2	14 46	17 51	5 32	
S 3	7 34	21 55	1 24	0 58	4 11	6 17	8 5	23 26	0 1	23 4	0 15	19 44	0 20	23 26	0 24	22 18	0 58	1 9	15 44	22 54	23 2	14 45	17 50	5 33	
S 4	7 12	19 24	2 37	1 28	4 3	6 30	7 59	23 27	0 0	23 4	0 15	19 42	0 20	23 26	0 24	22 18	0 58	1 8	15 44	22 54	23 3	14 43	17 50	5 33	
M 5	6 50	15 32	3 39	2 0	3 53	6 42	7 52	23 29	0n 1	23 4	0 15	19 41	0 20	23 26	0 24	22 18	0 58	1 7	15 43	22 55	23 3	14 41	17 49	5 34	
T 6	6 27	10 35	4 27	2 34	3 41	6 55	7 44	23 30	0 2	23 3	0 15	19 39	0 20	23 26	0 24	22 18	0 58	1 6	15 43	22 55	23 3	14 39	17 49	5 35	
W 7	6 5	5 1	4 56	3 10	3 27	7 7	7 37	23 32	0 3	23 3	0 15	19 38	0 20	23 26	0 24	22 18	0 59	1 5	15 42	22 56	23 3	14 37	17 49	5 35	
T 8	5 42	0n47	5 3	3 47	3 12	7 19	7 28	23 33	0 4	23 2	0 15	19 36	0 20	23 26	0 24	22 18	0 59	1 5	15 42	22 57	23 4	14 35	17 48	5 36	
F 9	5 20	6 24	4 51	4 23	2 55	7 30	7 20	23 34	0 6	23 2	0 14	19 35	0 20	23 26	0 24	22 18	0 59	1 4	15 41	22 58	23 4	14 33	17 48	5 36	
S 10	4 57	11 30	4 20	5 0	2 37	7 41	7 11	23 34	0 7	23 2	0 14	19 34	0 20	23 27	0 24	22 18	0 59	1 3	15 41	22 58	23 4	14 31	17 47	5 37	
S 11	4 34	15 51	3 36	5 34	2 18	7 51	7 1	23 35	0 8	23 1	0 14	19 32	0 20	23 27	0 24	22 18	0 59	1 2	15 41	22 59	23 4	14 29	17 47	5 37	
M12	4 11	19 15	2 41	6 7	1 59	8 1	6 52	23 36	0 9	23 1	0 14	19 31	0 21	23 27	0 24	22 17	0 59	1 1	15 40	22 59	23 5	14 27	17 46	5 38	
T 13	3 48	21 35	1 40	6 37	1 39	8 11	6 42	23 36	0 10	23 1	0 14	19 29	0 21	23 27	0 24	22 17	0 59	1 0	15 40	22 59	23 5	14 25	17 46	5 38	
W14	3 25	22 48	0 36	7 4	1 19	8 19	6 32	23 36	0 12	23 0	0 14	19 28	0 21	23 27	0 24	22 17	0 59	0 59	15 39	22 59	23 5	14 24	17 45	5 39	
T 15	3 2	22 53	0n29	7 27	1 0	8 28	6 22	23 36	0 13	23 0	0 14	19 27	0 21	23 27	0 24	22 17	0 59	0 58	15 39	22 59	23 5	14 22	17 45	5 39	
F 16	2 39	21 55	1 31	7 47	0 40	8 35	6 11	23 36	0 14	22 59	0 14	19 25	0 21	23 27	0 24	22 17	0 59	0 57	15 39	22 59	23 6	14 20	17 44	5 40	
S 17	2 15	19 59	2 28	8 1	0 22	8 43	6 1	23 36	0 15	22 59	0 14	19 24	0 21	23 27	0 24	22 17	0 59	0 56	15 38	22 59	23 6	14 18	17 44	5 41	
S 18	1 52	17 12	3 19	8 12	0 5	8 49	5 50	23 36	0 17	22 59	0 14	19 23	0 21	23 27	0 24	22 17	0 59	0 55	15 38	23 0	23 6	14 16	17 43	5 41	
M19	1 29	13 43	4 1	8 18	0n12	8 55	5 40	23 36	0 18	22 58	0 14	19 21	0 21	23 27	0 24	22 17	0 59	0 54	15 37	23 1	23 6	14 14	17 43	5 42	
T 20	1 5	9 41	4 33	8 19	0 27	9 0	5 29	23 35	0 19	22 58	0 14	19 20	0 22	23 27	0 24	22 17	0 59	0 53	15 37	23 2	23 7	14 12	17 42	5 42	
W21	0 42	5 15	4 53	8 16	0 41	9 5	5 18	23 34	0 20	22 57	0 14	19 19	0 22	23 27	0 24	22 17	0 59	0 52	15 37	23 3	23 7	14 10	17 42	5 43	
T 22	0 18	0 35	5 0	8 8	0 54	9 9	5 8	23 34	0 22	22 57	0 14	19 18	0 22	23 27	0 24	22 17	0 59	0 51	15 36	23 4	23 7	14 8	17 41	5 43	
F 23	0s 5	4s 9	4 53	7 56	1 6	9 12	4 57	23 33	0 23	22 57	0 13	19 16	0 22	23 27	0 24	22 17	0 59	0 50	15 36	23 5	23 7	14 6	17 41	5 44	
S 24	0 28	8 48	4 33	7 40	1 16	9 15	4 47	23 32	0 24	22 56	0 13	19 15	0 22	23 27	0 24	22 17	0 59	0 49	15 36	23 6	23 8	14 4	17 40	5 44	
S 25	0 52	13 8	4 0	7 20	1 25	9 17	4 36	23 31	0 26	22 56	0 13	19 14	0 22	23 26	0 24	22 17	0 59	0 48	15 35	23 6	23 8	14 2	17 40	5 45	
M26	1 15	16 59	3 14	6 57	1 33	9 18	4 26	23 30	0 27	22 56	0 13	19 13	0 22	23 26	0 24	22 17	0 59	0 47	15 35	23 7	23 8	14 0	17 39	5 46	
T 27	1 39	20 5	2 17	6 30	1 39	9 19	4 15	23 29	0 29	22 55	0 13	19 12	0 22	23 26	0 24	22 17	0 59	0 46	15 35	23 7	23 8	13 58	17 38	5 46	
W28	2 2	22 13	1 12	6 1	1 45	9 19	4 5	23 27	0 30	22 55	0 13	19 10	0 23	23 26	0 24	22 16	0 59	0 45	15 34	23 7	23 8	13 56	17 38	5 47	
T 29	2 26	23 7	0 1	5 29	1 49	9 18	3 55	23 26	0 31	22 55	0 13	19 9	0 23	23 26	0 24	22 16	0 59	0 45	15 34	23 7	23 9	13 54	17 37	5 47	
F 30	2s49	22s38	1s11	4n54	1n52	9n17	3s45	23n24	0n33	22n54	0s13	19n 8	0n23	23s26	0s24	22n16	0s59	0n44	15n34	23n 7	23n 9	13n52	17n37	5s48	

ASTRODIENST EPHEMERIS for the year 1740

geocentric

OCTOBER 1740

00:00 UT

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

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s13	20s42	2s21	4n18	1n54	9n15	3s35	23n23	0n34	22n54	0s13	19n 7	0n23	23s26	0s24	22n16	0s59	0n43	15n33	23n 7	23n 9	13n50	17n36	5s48	
S 2	3 36	17 24	3 24	3 39	1 55	9 12	3 25	23 21	0 36	22 54	0 13	19 6	0 23	23 26	0 24	22 16	0 59	0 42	15 33	23 8	23 9	13 48	17 36	5 49	
M 3	3 59	12 55	4 14	2 59	1 56	9 9	3 15	23 20	0 37	22 53	0 13	19 5	0 23	23 26	0 24	22 16	0 59	0 41	15 33	23 8	23 10	13 46	17 35	5 50	
T 4	4 22	7 35	4 47	2 18	1 55	9 5	3 5	23 18	0 39	22 53	0 13	19 4	0 23	23 26	0 24	22 16	0 59	0 40	15 33	23 9	23 10	13 44	17 35	5 50	
W 5	4 46	1 48	5 0	1 36	1 54	9 1	2 56	23 16	0 40	22 53	0 13	19 3	0 23	23 26	0 24	22 16	0 59	0 39	15 32	23 10	23 10	13 42	17 34	5 51	
T 6	5 9	4n 2	4 53	0 53	1 52	8 56	2 46	23 14	0 42	22 53	0 12	19 2	0 24	23 26	0 24	22 16	0 59	0 38	15 32	23 10	23 10	13 40	17 33	5 51	
F 7	5 32	9 33	4 26	0 9	1 50	8 50	2 37	23 12	0 43	22 52	0 12	19 1	0 24	23 26	0 24	22 16	0 59	0 37	15 32	23 11	23 10	13 38	17 33	5 52	
S 8	5 55	14 23	3 43	0s35	1 47	8 44	2 28	23 10	0 45	22 52	0 12	19 0	0 24	23 26	0 24	22 16	0 59	0 36	15 32	23 12	23 11	13 36	17 32	5 52	
S 9	6 18	18 19	2 49	1 20	1 44	8 37	2 19	23 8	0 46	22 52	0 12	18 59	0 24	23 26	0 24	22 16	0 59	0 35	15 31	23 12	23 11	13 34	17 32	5 53	
M10	6 41	21 9	1 47	2 5	1 40	8 29	2 10	23 6	0 48	22 52	0 12	18 58	0 24	23 25	0 24	22 16	0 59	0 34	15 31	23 12	23 11	13 32	17 31	5 53	
T 11	7 3	22 47	0 41	2 50	1 35	8 21	2 1	23 4	0 49	22 52	0 12	18 57	0 24	23 25	0 24	22 16	0 59	0 33	15 31	23 12	23 11	13 30	17 31	5 54	
W12	7 26	23 14	0n25	3 35	1 31	8 13	1 52	23 2	0 51	22 51	0 12	18 56	0 24	23 25	0 24	22 16	0 59	0 32	15 31	23 12	23 11	13 28	17 30	5 55	
T 13	7 49	22 33	1 28	4 20	1 26	8 3	1 44	22 59	0 53	22 51	0 12	18 55	0 24	23 25	0 24	22 16	0 59	0 32	15 30	23 12	23 12	13 26	17 29	5 55	
F 14	8 11	20 51	2 26	5 5	1 21	7 53	1 35	22 57	0 54	22 51	0 12	18 54	0 25	23 25	0 24	22 16	0 59	0 31	15 30	23 12	23 12	13 24	17 29	5 56	
S 15	8 33	18 15	3 18	5 49	1 15	7 43	1 27	22 55	0 56	22 51	0 12	18 53	0 25	23 25	0 24	22 16	0 59	0 30	15 30	23 13	23 12	13 22	17 28	5 56	
S 16	8 56	14 55	4 0	6 34	1 9	7 32	1 19	22 52	0 58	22 51	0 12	18 53	0 25	23 25	0 24	22 16	0 59	0 29	15 30	23 13	23 12	13 20	17 28	5 57	
M17	9 18	10 58	4 33	7 17	1 3	7 21	1 11	22 50	0 59	22 51	0 12	18 52	0 25	23 25	0 24	22 16	0 59	0 28	15 30	23 14	23 12	13 17	17 27	5 57	
T 18	9 40	6 35	4 53	8 1	0 57	7 9	1 3	22 48	1 1	22 51	0 11	18 51	0 25	23 25	0 24	22 16	0 59	0 27	15 30	23 14	23 13	13 15	17 26	5 58	
W19	10 1	1 54	5 1	8 44	0 51	6 56	0 55	22 45	1 3	22 51	0 11	18 50	0 25	23 24	0 24	22 16	0 59	0 26	15 29	23 15	23 13	13 13	17 26	5 58	
T 20	10 23	2s55	4 55	9 26	0 45	6 43	0 48	22 43	1 5	22 50	0 11	18 50	0 25	23 24	0 24	22 16	1 0	0 25	15 29	23 16	23 13	13 11	17 25	5 59	
F 21	10 45	7 42	4 35	10 8	0 38	6 29	0 41	22 41	1 6	22 50	0 11	18 49	0 26	23 24	0 24	22 16	1 0	0 25	15 29	23 16	23 13	13 9	17 25	6 0	
S 22	11 6	12 14	4 2	10 50	0 32	6 15	0 33	22 39	1 8	22 50	0 11	18 48	0 26	23 24	0 24	22 16	1 0	0 24	15 29	23 17	23 13	13 7	17 24	6 0	
S 23	11 27	16 18	3 15	11 31	0 25	6 1	0 26	22 36	1 10	22 50	0 11	18 48	0 26	23 24	0 24	22 16	1 0	0 23	15 29	23 17	23 14	13 5	17 24	6 1	
M24	11 48	19 40	2 18	12 11	0 18	5 46	0 19	22 34	1 12	22 50	0 11	18 47	0 26	23 24	0 24	22 16	1 0	0 22	15 29	23 18	23 14	13 3	17 23	6 1	
T 25	12 9	22 4	1 13	12 50	0 12	5 30	0 13	22 32	1 14	22 50	0 11	18 46	0 26	23 24	0 24	22 16	1 0	0 21	15 29	23 18	23 14	13 1	17 22	6 2	
W26	12 30	23 17	0 3	13 29	0 5	5 14	0 6	22 29	1 16	22 50	0 11	18 46	0 26	23 23	0 24	22 16	1 0	0 20	15 29	23 18	23 14	12 59	17 22	6 2	
T 27	12 50	23 9	1s 9	14 7	0s 2	4 58	0n 0	22 27	1 17	22 51	0 11	18 45	0 26	23 23	0 24	22 16	1 0	0 20	15 29	23 18	23 14	12 57	17 21	6 3	
F 28	13 10	21 37	2 18	14 45	0 8	4 41	0 7	22 25	1 19	22 51	0 11	18 45	0 27	23 23	0 24	22 16	1 0	0 19	15 28	23 18	23 15	12 55	17 21	6 3	
S 29	13 30	18 44	3 20	15 21	0 15	4 24	0 13	22 23	1 21	22 51	0 10	18 44	0 27	23 23	0 24	22 16	1 0	0 18	15 28	23 18	23 15	12 52	17 20	6 4	
S 30	13 50	14 42	4 11	15 57	0 22	4 7	0 19	22 21	1 23	22 51	0 10	18 44	0 27	23 23	0 24	22 16	1 0	0 17	15 28	23 18	23 15	12 50	17 20	6 4	
M31	14s10	9s45	4s46	16s32	0s28	3n49	0n25	22n19	1n25	22n51	0s10	18n43	0n27	23s23	0s24	22n16	1s 0	0n17	15n28	23n18	23n15	12n48	17n19	6s	

ASTRODIENST EPHEMERIS for the year 1740
geocentric

NOVEMBER 1740

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 42 14	8♍54°24	1♏ 4	15♌38	22♏21	26♎40	10°R58	8♏ 3	11♎26	7°R29	8♌43	6°R31	7♎35	7♏53	25°R20	T 1
W 2	2 46 10	9°54'34	15°44	17°12	23°21	27° 0	10♎57	8° 5	11°28	7♎28	8°45	6♎23	7°31	8° 0	25♏18	W 2
T 3	2 50 7	10°54'45	0♏19	18°45	24°21	27°20	10°56	8° 7	11°30	7°27	8°48	6°13	7°28	8° 7	25°16	T 3
F 4	2 54 3	11°54'59	14°41	20°19	25°22	27°39	10°55	8° 9	11°32	7°27	8°50	6° 5	7°25	8°13	25°13	F 4
S 5	2 58 0	12°55'14	28°45	21°52	26°24	27°58	10°54	8°10	11°34	7°26	8°52	5°58	7°22	8°20	25°11	S 5
S 6	3 1 57	13°55'31	12♏25	23°24	27°26	28°16	10°52	8°12	11°37	7°25	8°55	5°53	7°19	8°27	25° 9	S 6
M 7	3 5 53	14°55'50	25°40	24°57	28°28	28°34	10°50	8°13	11°39	7°24	8°57	5°50	7°16	8°34	25° 6	M 7
T 8	3 9 50	15°56'11	8♎32	26°29	29°30	28°51	10°48	8°14	11°41	7°23	9° 0	5°D50	7°12	8°40	25° 3	T 8
W 9	3 13 46	16°56'34	21° 2	28° 0	0♎33	29° 8	10°46	8°16	11°44	7°22	9° 2	5°51	7° 9	8°47	25° 1	W 9
T 10	3 17 43	17°56'59	3♏15	29°32	1°37	29°24	10°44	8°17	11°46	7°21	9° 5	5°52	7° 6	8°54	24°58	T 10
F 11	3 21 39	18°57'26	15°16	1♏ 3	2°40	29°40	10°41	8°18	11°49	7°20	9° 7	5°R53	7° 3	9° 0	24°55	F 11
S 12	3 25 36	19°57'54	27° 9	2°33	3°44	29°55	10°38	8°19	11°51	7°19	9° 9	5°53	7° 0	9° 7	24°52	S 12
S 13	3 29 32	20°58'25	8♏59	4° 4	4°49	0♏10	10°35	8°19	11°54	7°18	9°12	5°51	6°57	9°14	24°49	S 13
M14	3 33 29	21°58'57	20°52	5°34	5°53	0°24	10°32	8°20	11°56	7°17	9°14	5°47	6°53	9°21	24°46	M14
T 15	3 37 26	22°59'31	2♎53	7° 4	6°58	0°37	10°29	8°21	11°59	7°16	9°17	5°41	6°50	9°27	24°43	T 15
W16	3 41 22	24° 0'06	15° 3	8°33	8° 3	0°50	10°25	8°21	12° 1	7°15	9°19	5°34	6°47	9°34	24°40	W16
T 17	3 45 19	25° 0'44	27°27	10° 2	9° 9	1° 2	10°22	8°21	12° 4	7°14	9°21	5°26	6°44	9°41	24°37	T 17
F 18	3 49 15	26° 1'23	10♌ 4	11°31	10°15	1°14	10°18	8°21	12° 7	7°13	9°24	5°19	6°41	9°47	24°34	F 18
S 19	3 53 12	27° 2'03	22°57	12°59	11°21	1°25	10°14	8°R22	12°10	7°12	9°26	5°12	6°37	9°54	24°31	S 19
S 20	3 57 8	28° 2'45	6♏ 4	14°27	12°27	1°35	10° 9	8°22	12°12	7°10	9°28	5° 7	6°34	10° 1	24°28	S 20
M21	4 1 5	29° 3'29	19°25	15°54	13°33	1°45	10° 5	8°21	12°15	7° 9	9°31	5° 4	6°31	10° 8	24°24	M21
T 22	4 5 1	0♏ 4'13	2♎57	17°20	14°40	1°54	10° 0	8°21	12°18	7° 8	9°33	5°D 3	6°28	10°14	24°21	T 22
W23	4 8 58	1° 4'59	16°39	18°46	15°47	2° 3	9°56	8°21	12°21	7° 7	9°35	5° 4	6°25	10°21	24°17	W23
T 24	4 12 55	2° 5'46	0♎30	20°11	16°55	2°10	9°51	8°20	12°24	7° 5	9°38	5° 5	6°22	10°28	24°14	T 24
F 25	4 16 51	3° 6'34	14°29	21°36	18° 2	2°17	9°45	8°20	12°27	7° 4	9°40	5° 7	6°18	10°34	24°11	F 25
S 26	4 20 48	4° 7'23	28°34	22°59	19°10	2°23	9°40	8°19	12°30	7° 3	9°42	5°R 8	6°15	10°41	24° 7	S 26
S 27	4 24 44	5° 8'12	12♏43	24°21	20°17	2°29	9°35	8°18	12°33	7° 1	9°44	5° 7	6°12	10°48	24° 3	S 27
M28	4 28 41	6° 9'03	26°57	25°41	21°26	2°34	9°29	8°17	12°36	7° 0	9°47	5° 6	6° 9	10°54	24° 0	M28
T 29	4 32 37	7° 9'54	11♏10	27° 0	22°34	2°38	9°23	8°16	12°39	6°58	9°49	5° 3	6° 6	11° 1	23°56	T 29
W30	4 36 34	8♏10'46	25°Y22	28♏17	23♎42	2♏41	9♎17	8♏15	12♎42	6♎57	9♌51	4♎59	6♎ 3	11♏ 8	23♏53	W30

Day	☉	☾			♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s29	4s13	5s 3	17s 6	0s35	3n30	0n30	22n17	1n27	22n51	0s10	18n43	0n27	23s22	0s24	22n16	1s 0	0n16	15n28	23n19	23n15	12n46	17n19	6s 5			
W 2	14 48	1n35	5 1	17 39	0 42	3 12	0 36	22 15	1 29	22 51	0 10	18 43	0 27	23 22	0 24	22 16	1 0	0 15	15 28	23 19	23 16	12 44	17 18	6 6			
T 3	15 7	7 15	4 39	18 12	0 48	2 53	0 41	22 13	1 31	22 51	0 10	18 42	0 27	23 22	0 24	22 16	1 0	0 14	15 28	23 20	23 16	12 42	17 17	6 6			
F 4	15 26	12 27	3 59	18 43	0 54	2 33	0 47	22 11	1 33	22 52	0 10	18 42	0 28	23 22	0 24	22 16	1 0	0 14	15 28	23 20	23 16	12 40	17 17	6 7			
S 5	15 44	16 53	3 5	19 14	1 1	2 14	0 52	22 9	1 36	22 52	0 10	18 42	0 28	23 22	0 24	22 16	1 0	0 13	15 28	23 20	23 16	12 38	17 16	6 7			
S 6	16 2	20 17	2 2	19 44	1 7	1 54	0 57	22 8	1 38	22 52	0 10	18 41	0 28	23 21	0 24	22 16	1 0	0 12	15 28	23 21	23 16	12 35	17 16	6 7			
M 7	16 20	22 30	0 54	20 12	1 13	1 33	1 2	22 6	1 40	22 52	0 10	18 41	0 28	23 21	0 24	22 16	1 0	0 11	15 28	23 21	23 16	12 33	17 15	6 8			
T 8	16 38	23 26	0n15	20 40	1 19	1 13	1 6	22 5	1 42	22 53	0 9	18 41	0 28	23 21	0 24	22 16	1 0	0 11	15 28	23 21	23 17	12 31	17 15	6 8			
W 9	16 55	23 10	1 21	21 7	1 24	0 52	1 11	22 3	1 44	22 53	0 9	18 41	0 28	23 21	0 24	22 16	1 0	0 10	15 28	23 21	23 17	12 29	17 14	6 9			
T 10	17 12	21 46	2 22	21 32	1 30	0 31	1 15	22 2	1 46	22 53	0 9	18 41	0 28	23 20	0 24	22 16	1 0	0 9	15 28	23 21	23 17	12 27	17 14	6 9			
F 11	17 29	19 25	3 16	21 57	1 35	0 9	1 20	22 1	1 49	22 53	0 9	18 41	0 29	23 20	0 23	22 16	1 0	0 9	15 28	23 21	23 17	12 25	17 13	6 10			
S 12	17 45	16 15	4 1	22 21	1 41	0s12	1 24	22 0	1 51	22 54	0 9	18 41	0 29	23 20	0 23	22 16	1 0	0 8	15 28	23 21	23 17	12 22	17 13	6 10			
S 13	18 1	12 28	4 36	22 43	1 46	0 34	1 28	21 59	1 53	22 54	0 9	18 40	0 29	23 20	0 23	22 16	1 0	0 7	15 28	23 21	23 17	12 20	17 12	6 10			
M14	18 17	8 12	4 59	23 4	1 50	0 57	1 31	21 58	1 55	22 54	0 9	18 40	0 29	23 20	0 23	22 16	1 0	0 7	15 28	23 21	23 18	12 18	17 12	6 11			
T 15	18 33	3 34	5 8	23 24	1 55	1 19	1 35	21 58	1 58	22 55	0 9	18 40	0 29	23 19	0 23	22 16	1 0	0 6	15 29	23 21	23 18	12 16	17 11	6 11			
W16	18 48	1s15	5 5	23 43	1 59	1 41	1 39	21 57	2 0	22 55	0 9	18 40	0 29	23 19	0 23	22 16	1 0	0 5	15 29	23 21	23 18	12 14	17 11	6 12			
T 17	19 3	6 7	4 47	24 1	2 3	2 4	1 42	21 57	2 3	22 56	0 8	18 41	0 30	23 19	0 23	22 17	1 0	0 5	15 29	23 22	23 18	12 12	17 10	6 12			
F 18	19 17	10 50	4 14	24 18	2 7	2 27	1 45	21 57	2 5	22 56	0 8	18 41	0 30	23 19	0 23	22 17	1 0	0 4	15 29	23 22	23 18	12 9	17 10	6 12			
S 19	19 31	15 10	3 29	24 33	2 11	2 50	1 48	21 57	2 7	22 57	0 8	18 41	0 30	23 18	0 23	22 17	1 0	0 4	15 29	23 22	23 18	12 7	17 9	6 13			
S 20	19 45	18 52	2 31	24 47	2 14	3 13	1 51	21 57	2 10	22 57	0 8	18 41	0 30	23 18	0 23	22 17	1 0	0 3	15 29	23 22	23 19	12 5	17 9	6 13			
M21	19 59	21 39	1 24	24 59	2 17	3 36	1 54	21 57	2 12	22 57	0 8	18 41	0 30	23 18	0 23	22 17	1 0	0 2	15 29	23 23	23 19	12 3	17 8	6 13			
T 22	20 12	23 15	0 11	25 11	2 19	4 0	1 57	21 57	2 15	22 58	0 8	18 41	0 30	23 17	0 23	22 17	1 0	0 2	15 29	23 23	23 19	12 1	17 8	6 14			
W23	20 24	23 28	1s 3	25 21	2 21	4 23	1 59	21 58	2 17	22 58	0 8	18 42	0 30	23 17	0 23	22 17	1 0	0 1	15 29	23 23	23 19	11 58	17 7	6 14			
T 24	20 37	22 16	2 15	25 29	2 23	4 47	2 2	21 59	2 20	22 59	0 8	18 42	0 31	23 17	0 23	22 17	1 0	0 1	15 30	23 22	23 19	11 56	17 7	6 14			
F 25	20 49	19 41	3 19	25 36	2 24	5 10	2 4	21 59	2 23	22 59	0 7	18 42	0 31	23 17	0 23	22 17	1 0	0 0	15 30	23 22	23 19	11 54	17 6	6 15			
S 26	21 0	15 55	4 12	25 42	2 25	5 34	2 6	22 1	2 25	23 0	0 7	18 42	0 31	23 16	0 23	22 17	1 0	0s 0	15 30	23 22	23 19	11 52	17 6	6 15			
S 27	21 11	11 15	4 50	25 46	2 25	5 58	2 8	22 2	2 28	23 0	0 7	18 43	0 31	23 16	0 23	22 17	1 0	0 1	15 30	23 22	23 20	11 50	17 5	6 15			
M28	21 22	5 57	5 10	25 49	2 25	6 21	2 10	22 3	2 30	23 1	0 7	18 43	0 31	23 16	0 23	22 17	1 0	0 1	15 30	23 22	23 20	11 47	17 5	6 16			
T 29	21 32	0 21	5 11	25 50	2 24	6 45	2 12	22 5	2 33	23 1	0 7	18 44	0 31	23 16	0 23	22 17	1 0	0 2	15 31	23 23	23 20	11 45	17 4	6 16			
W30	21s42	5n16	4s54	25s50	2s23	7s 9	2n13	22n 7	2n36	23n 2	0s 7	18n44	0n32	23s15	0s23	22n17	1s 0	0s 2	15n31	23n23	23n20	11n43	17n 4	6s16			

ASTRODIENST EPHEMERIS for the year 1740
geocentric

DECEMBER 1740

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 40 30	9♈11'39	9♋27	29♊33	24♌51	2♍44	9♎11	8♏14	12♐45	6♑55	9♒53	4♓55	5♈59	11♉15	23♊49	T 1
F 2	4 44 27	10°12'33	23°21	0♋45	26° 0	2°45	9♌5	8♍12	12°48	6♎54	9°55	4♏52	5°56	11°21	23♌45	F 2
S 3	4 48 24	11°13'28	7♌2	1°55	27° 9	2°46	8°59	8°11	12°51	6°53	9°58	4°49	5°53	11°28	23°41	S 3
S 4	4 52 20	12°14'24	20°25	3° 2	28°18	2°R47	8°52	8° 9	12°54	6°51	10° 0	4°47	5°50	11°35	23°38	S 4
M 5	4 56 17	13°15'21	3♌30	4° 4	29°27	2°46	8°46	8° 8	12°58	6°50	10° 2	4°D46	5°47	11°41	23°34	M 5
T 6	5 0 13	14°16'19	16°17	5° 3	0♍37	2°45	8°39	8° 6	13° 1	6°48	10° 4	4°46	5°43	11°48	23°30	T 6
W 7	5 4 10	15°17'18	28°46	5°57	1°46	2°42	8°32	8° 4	13° 4	6°46	10° 6	4°48	5°40	11°55	23°26	W 7
T 8	5 8 6	16°18'19	10♌59	6°45	2°56	2°39	8°25	8° 2	13° 7	6°45	10° 8	4°49	5°37	12° 2	23°22	T 8
F 9	5 12 3	17°19'20	23° 1	7°26	4° 6	2°35	8°18	8° 0	13°11	6°43	10°10	4°51	5°34	12° 8	23°18	F 9
S 10	5 16 0	18°20'22	4♍56	8° 1	5°16	2°31	8°11	7°57	13°14	6°42	10°12	4°52	5°31	12°15	23°15	S 10
S 11	5 19 56	19°21'25	16°47	8°27	6°27	2°25	8° 4	7°55	13°17	6°40	10°14	4°R52	5°28	12°22	23°11	S 11
M12	5 23 53	20°22'29	28°41	8°44	7°37	2°19	7°56	7°53	13°21	6°39	10°16	4°52	5°24	12°28	23° 7	M12
T 13	5 27 49	21°23'33	10♌41	8°R52	8°48	2°11	7°49	7°50	13°24	6°37	10°18	4°51	5°21	12°35	23° 3	T 13
W14	5 31 46	22°24'39	22°53	8°49	9°58	2° 3	7°41	7°48	13°27	6°35	10°20	4°50	5°18	12°42	22°59	W14
T 15	5 35 42	23°25'46	5♍19	8°34	11° 9	1°54	7°33	7°45	13°31	6°34	10°22	4°48	5°15	12°49	22°55	T 15
F 16	5 39 39	24°26'53	18° 4	8° 8	12°20	1°45	7°26	7°42	13°34	6°32	10°24	4°47	5°12	12°55	22°51	F 16
S 17	5 43 35	25°28'02	1♊8	7°31	13°31	1°34	7°18	7°39	13°37	6°30	10°26	4°45	5° 9	13° 2	22°47	S 17
S 18	5 47 32	26°29'10	14°32	6°42	14°42	1°23	7°10	7°36	13°41	6°29	10°28	4°45	5° 5	13° 9	22°43	S 18
M19	5 51 29	27°30'20	28°15	5°42	15°53	1°10	7° 2	7°33	13°44	6°27	10°30	4°D44	5° 2	13°15	22°39	M19
T 20	5 55 25	28°31'30	12♌15	4°34	17° 5	0°57	6°54	7°30	13°48	6°25	10°31	4°44	4°59	13°22	22°36	T 20
W21	5 59 22	29°32'40	26°26	3°18	18°16	0°43	6°46	7°27	13°51	6°24	10°33	4°44	4°56	13°29	22°32	W21
T 22	6 3 18	0♋33'50	10♌45	1°58	19°28	0°29	6°38	7°23	13°55	6°22	10°35	4°45	4°53	13°36	22°28	T 22
F 23	6 7 15	1°35'01	25° 8	0°36	20°39	0°13	6°30	7°20	13°58	6°20	10°37	4°45	4°49	13°42	22°24	F 23
S 24	6 11 11	2°36'11	9♈29	29♊14	21°51	29♌57	6°22	7°16	14° 2	6°19	10°38	4°45	4°46	13°49	22°20	S 24
S 25	6 15 8	3°37'21	23°46	27°56	23° 3	29°40	6°14	7°13	14° 5	6°17	10°40	4°46	4°43	13°56	22°16	S 25
M26	6 19 4	4°38'31	7♉56	26°44	24°14	29°23	6° 6	7° 9	14° 9	6°15	10°42	4°46	4°40	14° 2	22°12	M26
T 27	6 23 1	5°39'41	21°56	25°39	25°26	29° 4	5°58	7° 5	14°12	6°13	10°43	4°46	4°37	14° 9	22° 9	T 27
W28	6 26 58	6°40'51	5♈46	24°43	26°38	28°46	5°49	7° 1	14°16	6°12	10°45	4°46	4°34	14°16	22° 5	W28
T 29	6 30 54	7°42'00	19°24	23°57	27°51	28°26	5°41	6°57	14°19	6°10	10°47	4°46	4°30	14°23	22° 1	T 29
F 30	6 34 51	8°43'09	2♌50	23°21	29° 3	28° 6	5°33	6°54	14°23	6° 8	10°48	4°46	4°27	14°29	21°57	F 30
S 31	6 38 47	9♋44'19	16♌3	22♊56	0♋15	27♌45	5♌25	6♌49	14♌27	6♌7	10♌50	4♌47	4♌24	14♌36	21♌54	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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