



Astrodienst Ephemeris Tables for the year 1402

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 1402

geocentric

JANUARY 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	7 14 45	19°31'49"	7°20'	24°51'	6°34'	17°57'	1°36'	20°55'	28°55'	9°21'	5°43'	19°24'	20°34'	21°38'	4°59'	S 1
M 2	7 18 41	20°15'26"	22° 4'	26°34'	7°45'	18°41'	1°47'	21° 2'	28°58'	9°20'	5°42'	19°16'	20°31'	21°45'	4°56'	M 2
T 3	7 22 38	21°16'33"	6°34'	28°16'	8°56'	19°26'	1°58'	21° 9'	29° 2'	9°19'	5°41'	19° 6'	20°27'	21°52'	4°54'	T 3
W 4	7 26 34	22°17'39"	21°18'	29°59'	10° 7'	20°10'	2° 9'	21°17'	29° 5'	9°18'	5°40'	18°56'	20°24'	21°58'	4°52'	W 4
T 5	7 30 31	23°18'45"	5°33'	18°43'	11°18'	20°54'	2°20'	21°24'	29° 9'	9°17'	5°40'	18°48'	20°21'	22° 5'	4°50'	T 5
F 6	7 34 28	24°19'49"	19°27'	3°26'	12°29'	21°38'	2°30'	21°31'	29°12'	9°16'	5°39'	18°42'	20°18'	22°12'	4°48'	F 6
S 7	7 38 24	25°20'53"	2°55'	5° 9'	13°40'	22°22'	2°41'	21°38'	29°15'	9°14'	5°38'	18°39'	20°15'	22°18'	4°46'	S 7
S 8	7 42 21	26°21'56"	15°58'	6°53'	14°51'	23° 6'	2°51'	21°45'	29°19'	9°13'	5°38'	18°D37'	20°12'	22°25'	4°44'	S 8
M 9	7 46 17	27°22'57"	28°38'	8°36'	16° 2'	23°50'	3° 2'	21°52'	29°22'	9°12'	5°37'	18°38'	20° 8'	22°32'	4°42'	M 9
T 10	7 50 14	28°23'57"	10°59'	10°19'	17°14'	24°34'	3°12'	21°59'	29°25'	9°11'	5°36'	18°39'	20° 5'	22°39'	4°41'	T 10
W11	7 54 10	29°24'56"	23° 4'	12° 2'	18°25'	25°17'	3°22'	22° 6'	29°28'	9°10'	5°36'	18°40'	20° 2'	22°45'	4°39'	W11
T 12	7 58 7	00°25'54"	5° 0'	13°44'	19°37'	26° 1'	3°32'	22°13'	29°32'	9° 9'	5°35'	18°R40'	19°59'	22°52'	4°37'	T 12
F 13	8 2 3	1°26'51"	16°50'	15°25'	20°48'	26°45'	3°42'	22°20'	29°35'	9° 9'	5°34'	18°38'	19°56'	22°59'	4°36'	F 13
S 14	8 6 0	2°27'46"	28°42'	17° 5'	22° 0'	27°29'	3°52'	22°27'	29°38'	9° 8'	5°34'	18°35'	19°53'	23° 5'	4°34'	S 14
S 15	8 9 57	3°28'40"	10°38'	18°42'	23°12'	28°13'	4° 1'	22°35'	29°41'	9° 7'	5°33'	18°29'	19°49'	23°12'	4°33'	S 15
M16	8 13 53	4°29'33"	22°43'	20°18'	24°23'	28°57'	4°11'	22°42'	29°44'	9° 6'	5°33'	18°22'	19°46'	23°19'	4°32'	M16
T 17	8 17 50	5°30'24"	4°59'	21°52'	25°35'	29°40'	4°21'	22°49'	29°47'	9° 5'	5°32'	18°14'	19°43'	23°25'	4°30'	T 17
W18	8 21 46	6°31'14"	17°29'	23°22'	26°47'	0°24'	4°30'	22°56'	29°50'	9° 4'	5°32'	18° 6'	19°40'	23°32'	4°29'	W18
T 19	8 25 43	7°32'03"	0°13'	24°49'	27°59'	1° 8'	4°39'	23° 3'	29°54'	9° 4'	5°31'	17°59'	19°37'	23°39'	4°28'	T 19
F 20	8 29 39	8°32'51"	13°11'	26°11'	29°11'	1°51'	4°48'	23° 9'	29°57'	9° 3'	5°31'	17°53'	19°33'	23°46'	4°27'	F 20
S 21	8 33 36	9°33'37"	26°22'	27°29'	0°23'	2°35'	4°58'	23°16'	29°59'	9° 2'	5°30'	17°49'	19°30'	23°52'	4°26'	S 21
S 22	8 37 32	10°34'22"	9°45'	28°41'	1°35'	3°18'	5° 6'	23°23'	0° 3'	9° 2'	5°30'	17°47'	19°27'	23°59'	4°26'	S 22
M23	8 41 29	11°35'06"	23°20'	29°46'	2°48'	4° 2'	5°15'	23°30'	0° 5'	9° 1'	5°29'	17°D47'	19°24'	24° 6'	4°25'	M23
T 24	8 45 26	12°35'48"	7° 4'	0°44'	4° 0'	4°45'	5°24'	23°37'	0° 8'	9° 0'	5°29'	17°48'	19°21'	24°12'	4°24'	T 24
W25	8 49 22	13°36'29"	20°57'	1°35'	5°12'	5°29'	5°33'	23°44'	0°11'	9° 0'	5°29'	17°49'	19°18'	24°19'	4°24'	W25
T 26	8 53 19	14°37'10"	4°58'	2°17'	6°24'	6°12'	5°41'	23°51'	0°14'	8°59'	5°28'	17°51'	19°14'	24°26'	4°23'	T 26
F 27	8 57 15	15°37'49"	19° 5'	2°49'	7°37'	6°56'	5°49'	23°58'	0°17'	8°59'	5°28'	17°R51'	19°11'	24°33'	4°23'	F 27
S 28	9 1 12	16°38'27"	3°18'	3°12'	8°49'	7°39'	5°58'	24° 4'	0°20'	8°58'	5°28'	17°50'	19° 8'	24°39'	4°22'	S 28
S 29	9 5 8	17°39'04"	17°34'	3°25'	10° 2'	8°23'	6° 6'	24°11'	0°22'	8°58'	5°28'	17°47'	19° 5'	24°46'	4°22'	S 29
M30	9 9 5	18°39'40"	1°50'	3°R27'	11°14'	9° 6'	6°14'	24°18'	0°25'	8°58'	5°27'	17°44'	19° 2'	24°53'	4°22'	M30
T 31	9 13 1	19°40'14"	16° 2'	3°19'	12°27'	9°49'	6°21'	24°24'	0°28'	8°57'	5°27'	17°39'	18°59'	24°59'	4°22'	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
S 1	22s 8	16s43	4n58	23s17	2s 5	19s10	2n21	5s18	0s35	19s47	0n47	21s59	0s 7	23s43	0s13	20n25	1s32	11n 6	10s23	4n12	3n45	13n53	16n17	4s59		
M 2	21 59	18 13	5 4	22 57	2 5	19 24	2 18	5 0	0 34	19 49	0 47	21 58	0 7	23 43	0 13	20 25	1 32	11 6	10 23	4 16	3 46	13 54	16 17	4 59		
T 3	21 50	18 31	4 50	22 35	2 4	19 37	2 16	4 42	0 33	19 51	0 47	21 57	0 7	23 43	0 13	20 24	1 32	11 6	10 23	4 20	3 48	13 55	16 17	4 59		
W 4	21 40	17 35	4 18	22 12	2 2	19 50	2 14	4 24	0 32	19 53	0 47	21 56	0 7	23 44	0 13	20 24	1 32	11 6	10 22	4 23	3 49	13 56	16 16	4 59		
T 5	21 30	15 33	3 30	21 47	2 0	20 2	2 11	4 5	0 31	19 56	0 47	21 55	0 7	23 44	0 13	20 24	1 32	11 6	10 22	4 27	3 50	13 58	16 16	4 59		
F 6	21 19	12 40	2 30	21 21	1 57	20 14	2 9	3 47	0 30	19 58	0 47	21 54	0 7	23 44	0 13	20 24	1 31	11 6	10 22	4 29	3 51	13 59	16 16	4 58		
S 7	21 8	9 10	1 23	20 53	1 54	20 26	2 6	3 29	0 29	20 0	0 47	21 53	0 7	23 44	0 13	20 24	1 31	11 6	10 22	4 30	3 53	14 0	16 16	4 58		
S 8	20 57	5 20	0 14	20 23	1 50	20 36	2 3	3 10	0 28	20 2	0 47	21 52	0 7	23 44	0 13	20 24	1 31	11 6	10 21	4 31	3 54	14 2	16 16	4 58		
M 9	20 45	1 22	0s54	19 52	1 46	20 47	2 1	2 52	0 27	20 4	0 47	21 51	0 7	23 44	0 13	20 24	1 31	11 6	10 21	4 31	3 55	14 3	16 16	4 58		
T 10	20 33	2n33	1 57	19 19	1 41	20 57	1 58	2 34	0 26	20 6	0 47	21 50	0 7	23 44	0 13	20 24	1 31	11 7	10 21	4 30	3 56	14 4	16 16	4 58		
W11	20 20	6 17	2 55	18 45	1 35	21 6	1 55	2 15	0 25	20 7	0 47	21 49	0 7	23 44	0 13	20 24	1 31	11 7	10 21	4 30	3 58	14 5	16 16	4 57		
T 12	20 7	9 43	3 44	18 10	1 28	21 14	1 52	1 57	0 24	20 9	0 47	21 48	0 7	23 44	0 13	20 23	1 31	11 7	10 21	4 30	3 59	14 7	16 15	4 57		
F 13	19 54	12 43	4 23	17 33	1 21	21 23	1 49	1 38	0 23	20 11	0 47	21 47	0 7	23 44	0 13	20 23	1 31	11 7	10 20	4 30	4 0	14 8	16 15	4 57		
S 14	19 40	15 13	4 50	16 55	1 13	21 30	1 46	1 20	0 22	20 13	0 47	21 46	0 7	23 44	0 13	20 23	1 31	11 7	10 20	4 32	4 1	14 9	16 15	4 57		
S 15	19 26	17 4	5 5	16 17	1 4	21 37	1 43	1 2	0 21	20 15	0 47	21 45	0 8	23 44	0 13	20 23	1 31	11 7	10 20	4 34	4 3	14 10	16 15	4 56		
M16	19 12	18 12	5 7	15 37	0 54	21 44	1 40	0 43	0 20	20 17	0 47	21 43	0 8	23 44	0 13	20 23	1 31	11 7	10 20	4 37	4 4	14 12	16 15	4 56		
T 17	18 57	18 30	4 55	14 57	0 44	21 49	1 37	0 25	0 19	20 18	0 47	21 42	0 8	23 44	0 13	20 23	1 31	11 8	10 19	4 40	4 5	14 13	16 15	4 56		
W18	18 42	17 55	4 29	14 17	0 33	21 55	1 34	0 7	0 18	20 20	0 47	21 41	0 8	23 44	0 13	20 23	1 31	11 8	10 19	4 43	4 6	14 14	16 15	4 56		
T 19	18 27	16 26	3 49	13 37	0 21	21 59	1 31	0n11	0 17	20 22	0 47	21 40	0 8	23 44	0 13	20 23	1 31	11 8	10 19	4 46	4 8	14 16	16 16	4 55		
F 20	18 11	14 5	2 57	12 57	0 8	22 3	1 28	0 30	0 16	20 23	0 47	21 39	0 8	23 44	0 13	20 23	1 31	11 8	10 19	4 48	4 9	14 17	16 16	4 55		
S 21	17 55	10 59	1 54	12 17	0n 6	22 6	1 24	0 48	0 15	20 25	0 47	21 38	0 8	23 44	0 13	20 23	1 31	11 8	10 18	4 50	4 10	14 18	16 16	4 55		
S 22	17 38	7 16	0 44	11 39	0 20	22 9	1 21	1 6	0 14	20 26	0 47	21 37	0 8	23 44	0 13	20 23	1 31	11 8	10 18	4 51	4 11	14 19	16 16	4 55		
M23	17 22	3 7	0n30	11 2	0 35	22 11	1 18	1 24	0 13	20 28	0 47	21 36	0 8	23 44	0 13	20 23	1 31	11 8	10 18	4 51	4 13	14 21	16 16	4 54		
T 24	17 5	1s14	1 43	10 27	0 51	22 13	1 15	1 42	0 12	20 29	0 47	21 35	0 8	23 44	0 13	20 23	1 31	11 9	10 18	4 50	4 14	14 22	16 16	4 54		
W25	16 47	5 33	2 51	9 54	1 7	22 13	1 11	2 0	0 12	20 31	0 48	21 34	0 8	23 44	0 13	20 23	1 31	11 9	10 17	4 50	4 15	14 23	16 16	4 54		
T 26	16 30	9 37	3 49	9 24	1 23	22 14	1 8	2 19	0 11	20 32	0 48	21 32	0 8	23 44	0 13	20 23	1 30	11 9	10 17	4 49	4 16	14 24	16 16	4 54		
F 27	16 12	13 9	4 34	8 57	1 39	22 13	1 5	2 37	0 10	20 34	0 48	21 31	0 8	23 44	0 13	20 23	1 30	11 9	10 17	4 49	4 18	14 25	16 17	4 53		
S 28	15 54	15 56	5 3	8 34	1 56	22 12	1 1	2 55	0 9	20 35	0 48	21 30	0 9	23 44	0 13	20 23	1 30	11 9	10 17	4 49	4 19	14 27	16 17	4 53		
S29	15 35	17 45	5 13	8 14	2 12	22 10	0 58	3 12	0 8	20 37	0 48	21 29	0 9	23 44	0 13	20 23	1 30	11 10	10 16	4 50	4 20	14 28	16 17	4 53		
M30	15 17	18 27	5 3	7 59	2 27	22 8	0 55	3 30	0 7	20 38	0 48	21 28	0 9	23 44	0 13	20 23	1 30	11 10	10 16	4 52	4 21	14 29	16 17	4 53		
T 31	14s58	17s59	4n35	7s48	2n42	22s 5	0n51	3n48	0s 6	20s39	0n48	21s27	0s 9	23s44	0s13	20n23	1s30	11n10	10s16	4n54	4n23	14n30	16n17	4s52		

ASTRODIENST EPHEMERIS for the year 1402

geocentric

FEBRUARY 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	9 16 58	20 ⁴⁰ 47	0 ⁴⁸ 5	3 ¹⁸ 1	13 ³⁸ 39	10 ¹⁷ 32	6 ²⁷ 29	24 ³¹ 31	0 ³⁰ 30	8 ¹⁵ 57	5 ¹⁰ 27	17 ¹⁰ 35	18 ¹⁰ 55	25 ¹⁸ 6	4 ¹⁰ 22	W 1
T 2	9 20 55	21 ⁴¹ 19	13 ⁵⁶	2 ¹³ 33	14 ⁵²	11 ¹⁶	6 ³⁷	24 ³⁸	0 ³³	8 ¹¹ 57	5 ¹¹ 27	17 ¹⁰ 31	18 ⁵²	25 ¹³	4 ¹¹ 22	T 2
F 3	9 24 51	22 ⁴¹ 49	27 ³¹	1 ⁵⁵	16 ⁵	11 ⁵⁹	6 ⁴⁴	24 ⁴⁴	0 ³⁶	8 ⁵⁶	5 ²⁷	17 ²⁹	18 ⁴⁹	25 ²⁰	4 ²²	F 3
S 4	9 28 48	23 ⁴² 17	10 ¹⁴ 47	1 ¹⁰	17 ¹⁷	12 ⁴²	6 ⁵¹	24 ⁵¹	0 ³⁸	8 ⁵⁶	5 ²⁶	17 ²⁸	18 ⁴⁶	25 ²⁶	4 ²²	S 4
S 5	9 32 44	24 ⁴² 43	23 ⁴³	0 ¹⁸	18 ³⁰	13 ²⁵	6 ⁵⁸	24 ⁵⁷	0 ⁴¹	8 ⁵⁶	5 ²⁶	17 ²⁸	18 ⁴³	25 ³³	4 ²²	S 5
M 6	9 36 41	25 ⁴³ 08	6 ¹⁷ 21	29 ⁴² 20	19 ⁴³	14 ⁸	7 ⁵	25 ⁴	0 ⁴³	8 ⁵⁶	5 ²⁶	17 ²⁹	18 ³⁹	25 ⁴⁰	4 ²²	M 6
T 7	9 40 37	26 ⁴³ 30	18 ⁴²	28 ¹⁸	20 ⁵⁵	14 ⁵¹	7 ¹²	25 ¹⁰	0 ⁴⁵	8 ⁵⁶	5 ²⁶	17 ³⁰	18 ³⁶	25 ⁴⁶	4 ²³	T 7
W 8	9 44 34	27 ⁴³ 51	0 ¹⁸ 49	27 ¹⁴	22 ⁸	15 ³⁴	7 ¹⁹	25 ¹⁷	0 ⁴⁸	8 ⁵⁶	5 ²⁶	17 ³²	18 ³³	25 ⁵³	4 ²³	W 8
T 9	9 48 30	28 ⁴⁴ 10	12 ⁴⁷	26 ⁹	23 ²¹	16 ¹⁷	7 ²⁵	25 ²³	0 ⁵⁰	8 ⁵⁶	5 ²⁶	17 ³³	18 ³⁰	26 ⁰	4 ²⁴	T 9
F 10	9 52 27	29 ⁴⁴ 27	24 ⁴⁰	25 ⁵	24 ³⁴	17 ⁰	7 ³²	25 ²⁹	0 ⁵²	8 ⁵⁶	5 ²⁶	17 ³⁴	18 ²⁷	26 ⁷	4 ²⁵	F 10
S 11	9 56 23	0 ¹⁴ 44'1	6 ¹¹ 32	24 ³	25 ⁴⁷	17 ⁴³	7 ³⁸	25 ³⁶	0 ⁵⁵	8 ⁵⁶	5 ²⁶	17 ³⁴	18 ²⁴	26 ¹³	4 ²⁵	S 11
S 12	10 0 20	1 ⁴⁴ 54	18 ²⁹	23 ⁵	27 ⁰	18 ²⁶	7 ⁴⁴	25 ⁴²	0 ⁵⁷	8 ⁵⁶	5 ²⁶	17 ³³	18 ²⁰	26 ²⁰	4 ²⁶	S 12
M13	10 4 17	2 ⁴⁵ 04	0 ¹⁸ 35	22 ¹¹	28 ¹²	19 ⁹	7 ⁵⁰	25 ⁴⁸	0 ⁵⁹	8 ⁵⁶	5 ²⁶	17 ³²	18 ¹⁷	26 ²⁷	4 ²⁷	M13
T 14	10 8 13	3 ⁴⁵ 13	12 ⁵⁴	21 ²³	29 ²⁵	19 ⁵¹	7 ⁵⁶	25 ⁵⁴	1 ¹	8 ⁵⁶	5 ²⁶	17 ³⁰	18 ¹⁴	26 ³³	4 ²⁸	T 14
W15	10 12 10	4 ⁴⁵ 19	25 ²⁹	20 ⁴⁰	0 ⁴⁸ 38	20 ³⁴	8 ¹	26 ⁰	1 ³	8 ⁵⁶	5 ²⁶	17 ²⁸	18 ¹¹	26 ⁴⁰	4 ²⁹	W15
T 16	10 16 6	5 ⁴⁵ 24	8 ¹² 23	20 ⁵	1 ⁵¹	21 ¹⁷	8 ⁷	26 ⁶	1 ⁵	8 ⁵⁶	5 ²⁷	17 ²⁶	18 ⁸	26 ⁴⁷	4 ³⁰	T 16
F 17	10 20 3	6 ⁴⁵ 26	21 ³⁵	19 ³⁶	3 ⁴	22 ⁰	8 ¹²	26 ¹²	1 ⁷	8 ⁵⁷	5 ²⁷	17 ²⁵	18 ⁵	26 ⁵⁴	4 ³²	F 17
S 18	10 23 59	7 ⁴⁵ 26	5 ¹⁰ 7	19 ¹³	4 ¹⁷	22 ⁴²	8 ¹⁷	26 ¹⁸	1 ⁹	8 ⁵⁷	5 ²⁷	17 ²⁴	18 ¹	27 ⁰	4 ³³	S 18
S 19	10 27 56	8 ⁴⁵ 24	18 ⁵⁶	18 ⁵⁸	5 ³⁰	23 ²⁵	8 ²²	26 ²⁴	1 ¹¹	8 ⁵⁷	5 ²⁷	17 ²⁴	17 ⁵⁸	27 ⁷	4 ³⁴	S 19
M20	10 31 52	9 ⁴⁵ 21	2 ¹⁸ 58	18 ⁴⁹	6 ⁴³	24 ⁷	8 ²⁷	26 ³⁰	1 ¹³	8 ⁵⁸	5 ²⁷	17 ²⁴	17 ⁵⁵	27 ¹⁴	4 ³⁶	M20
T 21	10 35 49	10 ⁴⁵ 15	17 ¹⁰	18 ⁴⁷	7 ⁵⁶	24 ⁵⁰	8 ³¹	26 ³⁶	1 ¹⁵	8 ⁵⁸	5 ²⁸	17 ²⁵	17 ⁵²	27 ²⁰	4 ³⁷	T 21
W22	10 39 46	11 ⁴⁵ 08	1 ¹⁸ 29	18 ⁵¹	9 ⁹	25 ³²	8 ³⁶	26 ⁴¹	1 ¹⁶	8 ⁵⁸	5 ²⁸	17 ²⁵	17 ⁴⁹	27 ²⁷	4 ³⁹	W22
T 23	10 43 42	12 ⁴⁴ 59	15 ⁴⁹	19 ¹	10 ²³	26 ¹⁵	8 ⁴⁰	26 ⁴⁷	1 ¹⁸	8 ⁵⁹	5 ²⁸	17 ²⁶	17 ⁴⁵	27 ³⁴	4 ⁴⁰	T 23
F 24	10 47 39	13 ⁴⁴ 49	0 ¹⁷ 7	19 ¹⁷	11 ³⁶	26 ⁵⁷	8 ⁴⁴	26 ⁵³	1 ²⁰	8 ⁵⁹	5 ²⁸	17 ²⁶	17 ⁴²	27 ⁴¹	4 ⁴²	F 24
S 25	10 51 35	14 ⁴⁴ 36	14 ²¹	19 ³⁸	12 ⁴⁹	27 ³⁹	8 ⁴⁸	26 ⁵⁸	1 ²¹	9 ⁰	5 ²⁹	17 ²⁶	17 ³⁹	27 ⁴⁷	4 ⁴⁴	S 25
S 26	10 55 32	15 ⁴⁴ 23	28 ²⁷	20 ³	14 ²	28 ²²	8 ⁵²	27 ⁴	1 ²³	9 ⁰	5 ²⁹	17 ²⁶	17 ³⁶	27 ⁵⁴	4 ⁴⁶	S 26
M27	10 59 28	16 ⁴⁴ 07	12 ³⁸ 24	20 ³⁴	15 ¹⁵	29 ⁴	8 ⁵⁵	27 ⁹	1 ²⁴	9 ¹	5 ²⁹	17 ²⁶	17 ³³	28 ¹	4 ⁴⁸	M27
T 28	11 3 25	17 ⁴³ 50	26 ³¹ 11	21 ⁴⁸ 9	16 ⁴⁸ 28	29 ¹⁴ 46	8 ⁵⁷ 59	27 ³¹ 14	1 ²⁶ 26	9 ¹¹ 1	5 ³⁰ 30	17 ²⁶ 26	17 ¹⁰ 30	28 ¹⁸ 7	4 ⁵⁰ 50	T 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
-----	---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--

ASTRODIENST EPHEMERIS for the year 1402

geocentric

MARCH 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 7 21	18°43'31	9°46	21°48	17°42	08°28	9°2	27°20	1°27	9°2	5°30	17°26	17°26	28°14	4°52	W 1
T 2	11 11 18	19°43'09	23° 9	22°31	18°55	1°11	9° 5	27°25	1°29	9° 3	5°31	17°26	17°23	28°21	4°54	T 2
F 3	11 15 15	20°42'46	6°18	23°17	20° 8	1°53	9° 8	27°30	1°30	9° 4	5°31	17°26	17°20	28°28	4°56	F 3
S 4	11 19 11	21°42'21	19°13	24° 7	21°21	2°35	9°11	27°35	1°31	9° 4	5°32	17°R26	17°17	28°34	4°59	S 4
S 5	11 23 8	22°41'54	1°55	25° 1	22°34	3°17	9°13	27°40	1°33	9° 5	5°32	17°26	17°14	28°41	5° 1	S 5
M 6	11 27 4	23°41'25	14°22	25°57	23°48	3°59	9°16	27°45	1°34	9° 6	5°33	17°26	17°10	28°48	5° 4	M 6
T 7	11 31 1	24°40'54	26°38	26°56	25° 1	4°41	9°18	27°50	1°35	9° 7	5°33	17°25	17° 7	28°54	5° 6	T 7
W 8	11 34 57	25°40'20	8°43	27°58	26°14	5°23	9°20	27°55	1°36	9° 8	5°34	17°24	17° 4	29° 1	5° 9	W 8
T 9	11 38 54	26°39'44	20°41	29° 2	27°27	6° 5	9°21	28° 0	1°37	9° 8	5°34	17°23	17° 1	29° 8	5°11	T 9
F 10	11 42 50	27°39'06	2°33	0°18	28°41	6°47	9°23	28° 5	1°38	9° 9	5°35	17°21	16°58	29°15	5°14	F 10
S 11	11 46 47	28°38'26	14°26	1°18	29°54	7°28	9°24	28° 9	1°39	9°10	5°35	17°20	16°55	29°21	5°17	S 11
S 12	11 50 43	29°37'44	26°22	2°29	1°18	8°10	9°26	28°14	1°40	9°11	5°36	17°D20	16°51	29°28	5°20	S 12
M13	11 54 40	0°36'59	8°26	3°42	2°21	8°52	9°27	28°18	1°41	9°12	5°37	17°20	16°48	29°35	5°23	M13
T 14	11 58 37	1°36'11	20°43	4°57	3°34	9°34	9°28	28°23	1°41	9°13	5°37	17°21	16°45	29°41	5°26	T 14
W15	12 2 33	2°35'22	3°17	6°15	4°47	10°15	9°28	28°27	1°42	9°15	5°38	17°22	16°42	29°48	5°29	W15
T 16	12 6 30	3°34'30	16°13	7°34	6° 0	10°57	9°29	28°31	1°43	9°16	5°39	17°23	16°39	29°55	5°32	T 16
F 17	12 10 26	4°33'35	29°32	8°55	7°14	11°38	9°29	28°36	1°43	9°17	5°40	17°24	16°36	0°11	5°35	F 17
S 18	12 14 23	5°32'39	13°14	10°18	8°27	12°20	9°R29	28°40	1°44	9°18	5°40	17°R25	16°32	0° 8	5°38	S 18
S 19	12 18 19	6°31'40	27°21	11°42	9°40	13° 1	9°29	28°44	1°45	9°19	5°41	17°25	16°29	0°15	5°42	S 19
M20	12 22 16	7°30'39	11°46	13° 8	10°54	13°43	9°29	28°48	1°45	9°20	5°42	17°24	16°26	0°22	5°45	M20
T 21	12 26 12	8°29'36	26°26	14°36	12° 7	14°24	9°28	28°52	1°45	9°22	5°43	17°22	16°23	0°28	5°48	T 21
W22	12 30 9	9°28'31	11°13	16° 6	13°20	15° 6	9°28	28°56	1°46	9°23	5°44	17°19	16°20	0°35	5°52	W22
T 23	12 34 6	10°27'24	26° 0	17°37	14°34	15°47	9°27	28°59	1°46	9°24	5°44	17°16	16°16	0°42	5°55	T 23
F 24	12 38 2	11°26'16	10°13	19°10	15°47	16°28	9°26	29° 3	1°46	9°26	5°45	17°13	16°13	0°49	5°59	F 24
S 25	12 41 59	12°25'06	25° 6	20°44	17° 0	17°10	9°25	29° 6	1°47	9°27	5°46	17°11	16°10	0°55	6° 2	S 25
S 26	12 45 55	13°23'54	9°15	22°20	18°14	17°51	9°23	29°10	1°47	9°28	5°47	17°D10	16° 7	1° 2	6° 6	S 26
M27	12 49 52	14°22'40	23° 7	23°57	19°27	18°32	9°22	29°13	1°47	9°30	5°48	17°10	16° 4	1° 9	6°10	M27
T 28	12 53 48	15°21'25	6°40	25°37	20°40	19°13	9°20	29°17	1°47	9°31	5°49	17°11	16° 1	1°15	6°14	T 28
W29	12 57 45	16°20'08	19°56	27°17	21°54	19°54	9°18	29°20	1°R47	9°33	5°50	17°13	15°57	1°22	6°18	W29
T 30	13 1 41	17°18'49	2°56	29° 0	23° 7	20°35	9°16	29°23	1°47	9°34	5°51	17°14	15°54	1°29	6°21	T 30
F 31	13 5 38	18°17'28	15°43	0°43	24°20	21°16	9°13	29°26	1°47	9°36	5°52	17°R15	15°51	1°36	6°25	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	4s28	14s44	3n14	14s25	0s 9	16s12	0s40	11n55	0n16	21s 4	0n49	20s57	0s11	23s44	0s14	20n25
T 2	4 5	11 47	2 11	14 22	0 20	15 52	0 42	12 11	0 17	21 4	0 49	20 56	0 11	23 44	0 14	20 25
F 3	3 42	8 17	1 1	14 17	0 31	15 32	0 45	12 26	0 17	21 4	0 50	20 55	0 11	23 44	0 14	20 25
S 4	3 18	4 26	0s10	14 10	0 41	15 10	0 47	12 41	0 18	21 5	0 50	20 54	0 11	23 44	0 14	20 25
S 5	2 54	0 27	1 19	14 2	0 51	14 49	0 50	12 56	0 19	21 5	0 50	20 53	0 12	23 44	0 14	20 26
M 6	2 31	3n28	2 24	13 52	1 1	14 27	0 52	13 11	0 19	21 5	0 50	20 52	0 12	23 44	0 14	20 26
T 7	2 7	7 11	3 21	13 40	1 10	14 5	0 54	13 26	0 20	21 6	0 50	20 51	0 12	23 44	0 14	20 26
W 8	1 44	10 33	4 7	13 27	1 19	13 42	0 57	13 41	0 21	21 6	0 50	20 50	0 12	23 44	0 14	20 26
T 9	1 20	13 26	4 43	13 12	1 27	13 19	0 59	13 55	0 21	21 6	0 50	20 49	0 12	23 44	0 14	20 26
F 10	0 56	15 44	5 6	12 55	1 34	12 55	1 1	14 10	0 22	21 6	0 50	20 48	0 12	23 44	0 14	20 27
S 11	0 33	17 22	5 16	12 37	1 41	12 32	1 3	14 24	0 23	21 6	0 50	20 48	0 12	23 44	0 14	20 27
S 12	0 9	18 15	5 13	12 18	1 48	12 7	1 5	14 38	0 23	21 7	0 50	20 47	0 12	23 44	0 14	20 27
M13	0n15	18 20	4 55	11 57	1 54	11 43	1 7	14 52	0 24	21 7	0 50	20 46	0 12	23 44	0 14	20 27
T 14	0 38	17 33	4 25	11 35	2 0	11 18	1 9	15 6	0 24	21 7	0 50	20 45	0 12	23 44	0 14	20 27
W15	1 2	15 54	3 40	11 11	2 5	10 53	1 11	15 20	0 25	21 7	0 50	20 44	0 13	23 44	0 14	20 28
T 16	1 26	13 25	2 44	10 45	2 9	10 28	1 13	15 34	0 26	21 7	0 50	20 44	0 13	23 44	0 14	20 28
F 17	1 49	10 9	1 37	10 19	2 14	10 2	1 14	15 47	0 26	21 7	0 50	20 43	0 13	23 44	0 14	20 28
S 18	2 13	6 15	0 23	9 51	2 17	9 36	1 16	16 1	0 27	21 7	0 50	20 42	0 13	23 44	0 14	20 28
S 19	2 36	1 54	0n55	9 21	2 20	9 10	1 17	16 14	0 27	21 7	0 50	20 41	0 13	23 44	0 14	20 29
M20	2 59	2s40	2 10	8 51	2 23	8 43	1 19	16 27	0 28	21 7	0 50	20 41	0 13	23 44	0 14	20 29
T 21	3 23	7 9	3 19	8 19	2 25	8 17	1 20	16 40	0 29	21 6	0 51	20 40	0 13	23 44	0 14	20 29
W22	3 46	11 13	4 14	7 45	2 27	7 50	1 22	16 53	0 29	21 6	0 51	20 39	0 13	23 44	0 14	20 29
T 23	4 9	14 34	4 53	7 11	2 28	7 22	1 23	17 5	0 30	21 6	0 51	20 39	0 13	23 44	0 14	20 30
F 24	4 32	16 58	5 12	6 35	2 29	6 55	1 24	17 18	0 30	21 6	0 51	20 38	0 13	23 44	0 14	20 30
S 25	4 55	18 14	5 11	5 58	2 29	6 27	1 25	17 30	0 31	21 6	0 51	20 37	0 13	23 44	0 14	20 30
S 26	5 18	18 21	4 51	5 19	2 28	6 0	1 27	17 42	0 31	21 6	0 51	20 37	0 14	23 44	0 14	20 30
M27	5 41	17 21	4 15	4 40	2 28	5 32	1 28	17 54	0 32	21 5	0 51	20 36	0 14	23 44	0 14	20 31
T 28	6 4	15 22	3 24	3 59	2 26	5 4	1 28	18 6	0 33	21 5	0 51	20 35	0 14	23 45	0 14	20 31
W29	6 27	12 36	2 24	3 17	2 24	4 35	1 29	18 18	0 33	21 5	0 51	20 35	0 14	23 45	0 14	20 31
T 30	6 49	9 15	1 18	2 34	2 22	4 7	1 30	18 30	0 34	21 4	0 51	20 34	0 14	23 45	0 14	20 31
F 31	7n12	5s31	0n 8	1s50	2s19	3s39	1s31	18n41	0n34	21s 4	0n51	20s34	0s14	23s45	0s14	20n32

Julian Day Number = 2233197.5, Delta T = 07m49s

Ecliptic obliquity = 23°30'52, Nutation = - 0°00'03, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°24'02, Lahiri = 15°31'03 Julian Calendar 1 March 1402 == Greg. Calendar 10 March 1402

ASTRODIENST EPHEMERIS for the year 1402

geocentric

APRIL 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 9 35	19°16'06	28°18'18	2°29'29	25°34'34	21°57'57	9°R11	29°32'29	1°R47	9°II37	5°II53	17°R14	15°II48	1°II42	6°II29	S 1
S 2	13 13 31	20°14'41	10°Y42	4°16'26	26°47'22	38°9°8	29°32'29	1°38'46	9°39'39	5°54'54	17°II12	15°45'45	1°49'49	6°33'33	S 2	
M 3	13 17 28	21°13'15	22°56'56	6°5'28	28°1'23	19°9°5	29°35'35	1°46'46	9°40'40	5°55'55	17°8'8	15°41'41	1°56'56	6°37'37	M 3	
T 4	13 21 24	22°11'47	5°8'3	7°55'55	29°14'14	24°0'0	29°37'37	1°46'46	9°42'42	5°56'56	17°3'3	15°38'38	2°2'2	6°42'42	T 4	
W 5	13 25 21	23°10'17	17°3'3	9°47'47	0°Y27	24°41'41	8°59'59	29°40'40	1°45'45	9°44'44	5°57'57	16°57'57	15°35'35	2°9'9	6°46'46	W 5
T 6	13 29 17	24°8'44	28°58'58	11°41'41	1°41'41	25°22'22	8°56'56	29°43'43	1°45'45	9°45'45	5°58'58	16°50'50	15°32'32	2°16'16	6°50'50	T 6
F 7	13 33 14	25°7'10	10°II49	13°36'36	2°54'54	26°3'3	8°52'52	29°45'45	1°45'45	9°47'47	5°59'59	16°43'43	15°29'29	2°23'23	6°54'54	F 7
S 8	13 37 10	26°5'34	22°41'41	15°33'33	4°7'7	26°44'44	8°48'48	29°47'47	1°44'44	9°49'49	6°0'0	16°37'37	15°26'26	2°29'29	6°59'59	S 8
S 9	13 41 7	27°3'56	4°36'36	17°31'31	5°21'21	27°24'24	8°45'45	29°50'50	1°44'44	9°50'50	6°1'1	16°33'33	15°22'22	2°36'36	7°3'3	S 9
M10	13 45 3	28°2'15	16°39'39	19°31'31	6°34'34	28°5'28	8°41'41	29°52'52	1°43'43	9°52'52	6°2'2	16°31'31	15°19'19	2°43'43	7°7'7	M10
T 11	13 49 0	29°0'33	28°53'53	21°33'33	7°48'48	28°46'46	8°36'36	29°54'54	1°42'42	9°54'54	6°3'3	16°D30	15°16'16	2°50'50	7°12'12	T 11
W12	13 52 57	29°58'48	11°II23	23°36'36	9°1'1	29°26'26	8°32'32	29°56'56	1°42'42	9°56'56	6°5'5	16°31'31	15°13'13	2°56'56	7°16'16	W12
T 13	13 56 53	0°8'57'02	24°14'14	25°40'40	10°14'14	0°II7	8°27'27	29°58'58	1°41'41	9°58'58	6°6'6	16°32'32	15°10'10	3°3'3	7°21'21	T 13
F 14	14 0 50	1°55'13	7°II30	27°46'46	11°28'28	0°47'47	8°23'23	29°59'59	1°40'40	9°59'59	6°7'7	16°33'33	15°7'7	3°10'10	7°25'25	F 14
S 15	14 4 46	2°53'22	21°13'13	29°53'53	12°41'41	1°28'28	8°18'18	0°1'1	1°39'39	10°1'1	6°8'8	16°R33	15°3'3	3°16'16	7°30'30	S 15
S 16	14 8 43	3°51'29	5°II25	2°8'8	13°54'54	2°8'8	8°13'13	0°3'3	1°38'38	10°3'3	6°9'9	16°32'32	15°0'0	3°23'23	7°35'35	S 16
M17	14 12 39	4°49'34	20°1'1	4°10'10	15°8'8	2°49'49	8°8'8	0°4'4	1°37'37	10°5'5	6°10'10	16°28'28	14°57'57	3°30'30	7°39'39	M17
T 18	14 16 36	5°47'38	4°II58	6°19'19	16°21'21	3°29'29	8°2'2	0°6'6	1°37'37	10°7'7	6°12'12	16°23'23	14°54'54	3°37'37	7°44'44	T 18
W19	14 20 32	6°45'40	20°7'7	8°29'29	17°34'34	4°9'9	7°57'57	0°7'7	1°35'35	10°9'9	6°13'13	16°16'16	14°51'51	3°43'43	7°49'49	W19
T 20	14 24 29	7°43'40	5°II17	10°39'39	18°48'48	4°50'50	7°51'51	0°8'8	1°34'34	10°11'11	6°14'14	16°8'8	14°47'47	3°50'50	7°53'53	T 20
F 21	14 28 26	8°41'39	20°18'18	12°49'49	20°1'1	5°30'30	7°46'46	0°9'9	1°33'33	10°13'13	6°15'15	16°1'1	14°44'44	3°57'57	7°58'58	F 21
S 22	14 32 22	9°39'37	5°II2	14°59'59	21°15'15	6°10'10	7°40'40	0°10'10	1°32'32	10°15'15	6°17'17	15°55'55	14°41'41	4°3'3	8°3'3	S 22
S 23	14 36 19	10°37'33	19°24'24	17°8'8	22°28'28	6°51'51	7°34'34	0°11'11	1°31'31	10°17'17	6°18'18	15°51'51	14°38'38	4°10'10	8°8'8	S 23
M24	14 40 15	11°35'28	3°II20	19°16'16	23°41'41	7°31'31	7°28'28	0°12'12	1°30'30	10°19'19	6°19'19	15°49'49	14°35'35	4°17'17	8°13'13	M24
T 25	14 44 12	12°33'21	16°52'52	21°24'24	24°55'55	8°11'11	7°22'22	0°13'13	1°28'28	10°21'21	6°20'20	15°D49	14°32'32	4°24'24	8°18'18	T 25
W26	14 48 8	13°31'14	0°II0	23°29'29	26°8'8	8°51'51	7°15'15	0°13'13	1°27'27	10°23'23	6°22'22	15°49'49	14°28'28	4°30'30	8°23'23	W26
T 27	14 52 5	14°29'05	12°49'49	25°33'33	27°21'21	9°31'31	7°9'9	0°14'14	1°26'26	10°25'25	6°23'23	15°R50	14°25'25	4°37'37	8°28'28	T 27
F 28	14 56 1	15°26'55	25°21'21	27°35'35	28°35'35	10°11'11	7°2'2	0°14'14	1°24'24	10°27'27	6°24'24	15°50'50	14°22'22	4°44'44	8°33'33	F 28
S 29	14 59 58	16°24'43	7°Y41	29°35'35	29°48'48	10°51'51	6°56'56	0°15'15	1°23'23	10°29'29	6°26'26	15°47'47	14°19'19	4°50'50	8°38'38	S 29
S 30	15 3 55	17°22'30	19°Y52	1°II32	1°8'8	11°II31	6°II49	0°II15	1°32'32	10°II31	6°II27	15°II42	14°II16	4°II57	8°II43	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
S 1	7n34	1s36	1 s 0	1 s 5	2s16	3s10	1s31	18n52	0n35	21s 3	0n51	20s33	0s14	23s45	0s14	20n32	1s27	11n29	10s 1	5n 3	5n37	15n41	16n54	4s38		
S 2	7 56	2n20	2 5	0 19	2 12	2 41	1 32	19 3	0 35	21 3	0 51	20 33	0 14	23 45	0 14	20 32	1 27	11 29	10 1	5 4	5 38	15 42	16 55	4 38		
M 3	8 18	6 7	3 2	0n28	2 7	2 13	1 33	19 14	0 36	21 3	0 51	20 32	0 14	23 45	0 14	20 32	1 27	11 29	10 1	5 6	5 40	15 43	16 55	4 38		
T 4	8 40	9 37	3 51	1 17	2 2	1 44	1 33	19 25	0 36	21 2	0 51	20 32	0 14	23 45	0 15	20 33	1 27	11 30	10 1	5 8	5 41	15 44	16 56	4 37		
W 5	9 2	12 40	4 29	2 6	1 57	1 15	1 33	19 36	0 37	21 2	0 51	20 31	0 15	23 45	0 15	20 33	1 27	11 30	10 1	5 10	5 42	15 45	16 57	4 37		
T 6	9 24	15 11	4 55	2 56	1 51	0 46	1 34	19 46	0 37	21 1	0 51	20 31	0 15	23 45	0 15	20 33	1 27	11 31	10 0	5 13	5 43	15 46	16 58	4 37		
F 7	9 45	17 3	5 8	3 47	1 44	0 17	1 34	19 56	0 38	21 0	0 51	20 30	0 15	23 45	0 15	20 34	1 27	11 31	10 0	5 16	5 44	15 47	16 59	4 37		
S 8	10 6	18 11	5 8	4 38	1 37	0n12	1 34	20 6	0 38	21 0	0 51	20 30	0 15	23 45	0 15	20 34	1 27	11 31	10 0	5 18	5 46	15 48	17 0	4 37		
S 9	10 28	18 31	4 55	5 31	1 30	0 41	1 34	20 16	0 39	20 59	0 51	20 30	0 15	23 45	0 15	20 34	1 27	11 32	10 0	5 19	5 47	15 49	17 0	4 37		
M10	10 49	18 2	4 28	6 24	1 22	1 11	1 34	20 26	0 39	20 59	0 51	20 29	0 15	23 45	0 15	20 34	1 27	11 32	10 0	5 20	5 48	15 50	17 1	4 37		
T 11	11 9	16 42	3 49	7 17	1 14	1 40	1 34	20 35	0 40	20 58	0 51	20 29	0 15	23 45	0 15	20 35	1 26	11 32	10 0	5 21	5 49	15 51	17 2	4 37		
W12	11 30	14 33	2 59	8 11	1 5	2 9	1 34	20 45	0 40	20 57	0 51	20 29	0 15	23 45	0 15	20 35	1 26	11 33	9 59	5 20	5 51	15 53	17 3	4 36		
T 13	11 50	11 38	1 58	9 5	0 56	2 38	1 34	20 54	0 41	20 57	0 51	20 28	0 15	23 45	0 15	20 35	1 26	11 33	9 59	5 20	5 52	15 54	17 4	4 36		
F 14	12 11	8 2	0 49	9 59	0 46	3 7	1 34	21 3	0 41	20 56	0 51	20 28	0 16	23 45	0 15	20 36	1 26	11 33	9 59	5 19	5 53	15 55	17 5	4 36		
S 15	12 31	3 53	0n25	10 54	0 37	3 36	1 33	21 12	0 41	20 55	0 51	20 28	0 16	23 45	0 15	20 36	1 26	11 34	9 59	5 19	5 54	15 56	17 5	4 36		
S 16	12 51	0s38	1 40	11 48	0 26	4 5	1 33	21 20	0 42	20 54	0 51	20 28	0 16	23 45	0 15	20 36	1 26	11 34	9 59	5 20	5 56	15 57	17 6	4 36		
M17	13 10	5 13	2 50	12 42	0 16	4 33	1 32	21 29	0 42	20 53	0 51	20 27	0 16	23 45	0 15	20 37	1 26	11 34	9 59	5 21	5 57	15 58	17 7	4 36		
T 18	13 30	9 36	3 51	13 35	0 6	5 2	1 32	21 37	0 43	20 53	0 51	20 27	0 16	23 45	0 15	20 37	1 26	11 35	9 58	5 24	5 58	15 59	17 8	4 36		
W19	13 49	13 24	4 35	14 27	0n 5	5 31	1 31	21 45	0 43	20 52	0 51	20 27	0 16	23 45	0 15	20 37	1 26	11 35	9 58	5 26	5 59	16 0	17 9	4 36		
T 20	14 8	16 19	5 1	15 19	0 16	5 59	1 31	21 53	0 44	20 51	0 51	20 27	0 16	23 45	0 15	20 38	1 26	11 35	9 58	5 29	6 0	16 1	17 10	4 36		
F 21	14 27	18 5	5 6	16 9	0 26	6 28	1 30	22 1	0 44	20 50	0 51	20 27	0 16	23 45	0 15	20 38	1 26	11 36	9 58	5 32	6 2	16 2	17 10	4 36		
S 22	14 45	18 36	4 50	16 58	0 37	6 56	1 29	22 8	0 45	20 49	0 51	20 27	0 16	23 45	0 15	20 38	1 26	11 36	9 58	5 34	6 3	16 3	17 11	4 35		
S 23	15 3	17 53	4 16	17 45	0 47	7 24	1 28	22 16	0 45	20 48	0 51	20 27	0 16	23 45	0 15	20 38	1 26	11 36	9 58	5 36	6 4	16 4	17 12	4 35		
M24	15 21	16 6	3 27	18 31	0 57	7 52	1 27	22 23	0 45	20 47	0 51	20 27	0 17	23 45	0 15	20 39	1 26	11 37	9 58	5 37	6 5	16 5	17 13	4 35		
T 25	15 39	13 28	2 29	19 14	1 7	8 20	1 26	22 30	0 46	20 46	0 51	20 26	0 17	23 45	0 15	20 39	1 26	11 37	9 57	5 37	6 7	16 6	17 14	4 35		
W26	15 57	10 12	1 24	19 56	1 16	8 48	1 25	22 36	0 46	20 45	0 51	20 26	0 17	23 45	0 15	20 39	1 26	11 37	9 57	5 36	6 8	16 7	17 14	4 35		
T 27	16 14	6 31	0 16	20 35	1 25	9 15	1 24	22 43	0 47	20 44	0 51	20 26	0 17	23 45	0 15	20 40	1 26	11 38	9 57	5 36	6 9	16 8	17 15	4 35		
F 28	16 31	2 38	0s51	21 11	1 33	9 43	1 23	22 49	0 47	20 43	0 51	20 26	0 17	23 45	0 15	20 40	1 26	11 38	9 57	5 36	6 10	16 10	17 16	4 35		
S 29	16 48	1n19	1 54	21 46	1 41	10 10	1 22	22 56	0 47	20 42	0 51	20 26	0 17	23 45	0 15	20 40	1 26	11 38	9 57	5 37	6 12	16 11	17 17	4 35		
S 30	17n 4	5n 9	2s51	22n17	1n48	10n37	1s21	23n 1	0n48	20s41	0n51	20s27	0s17	23s45	0s15	20n41	1s26	11n39	9s57	5n39	6n13	16n12	17n18	4s35		

ASTRODIENST EPHEMERIS for the year 1402
geocentric

MAY 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 7 51	18 ⁸ 20'16	1 ⁸ 55	3 ^{II} 27	2 ⁸ 15	12 ^{II} 11	6°R42	0 [≈] 15	1°R20	10 ^{II} 33	6 ^{II} 28	15°R35	14 ^{II} 13	5 ^{II} 4	8 ^{II} 48	M 1
T 2	15 11 48	19°18'01	13°53	5°19	3°28	12°51	6 [≈] 35	0°R15	1 ³ 18	10°35	6°29	15 ^{II} 25	14°9	5°11	8°53	T 2
W 3	15 15 44	20°15'44	25°48	7°8	4°42	13°31	6°28	0°15	1°17	10°37	6°31	15°14	14°6	5°17	8°58	W 3
T 4	15 19 41	21°13'26	7 ^{II} 40	8°55	5°55	14°11	6°21	0°15	1°15	10°40	6°32	15°1	14°3	5°24	9°3	T 4
F 5	15 23 37	22°11'07	19°32	10°38	7°9	14°51	6°14	0°14	1°13	10°42	6°33	14°49	14°0	5°31	9°8	F 5
S 6	15 27 34	23°8'46	1 ⁸ 25	12°19	8°22	15°31	6°7	0°14	1°12	10°44	6°35	14°38	13°57	5°38	9°13	S 6
S 7	15 31 30	24°6'24	13°21	13°56	9°35	16°11	6°0	0°14	1°10	10°46	6°36	14°30	13°53	5°44	9°19	S 7
M 8	15 35 27	25°4'00	25°24	15°30	10°49	16°50	5°52	0°13	1°8	10°48	6°38	14°23	13°50	5°51	9°24	M 8
T 9	15 39 24	26°1'35	7 ^{II} 37	17°2	12°2	17°30	5°45	0°12	1°6	10°50	6°39	14°20	13°47	5°58	9°29	T 9
W10	15 43 20	26°59'08	20°5	18°29	13°16	18°10	5°37	0°12	1°5	10°52	6°40	14°18	13°44	6°4	9°34	W10
T 11	15 47 17	27°56'40	2 ^{II} 52	19°54	14°29	18°49	5°30	0°11	1°3	10°55	6°42	14°D18	13°41	6°11	9°40	T 11
F 12	15 51 13	28°54'11	16°2	21°15	15°42	19°29	5°22	0°10	1°1	10°57	6°43	14°R18	13°38	6°18	9°45	F 12
S 13	15 55 10	29°51'40	29°39	22°33	16°56	20°9	5°15	0°9	0°59	10°59	6°44	14°18	13°34	6°25	9°50	S 13
S 14	15 59 6	0 ^{II} 49'08	13 ^{II} 45	23°48	18°9	20°48	5°7	0°8	0°57	11°1	6°46	14°15	13°31	6°31	9°55	S 14
M15	16 3 3	1°46'34	28°19	24°59	19°23	21°28	5°0	0°7	0°55	11°3	6°47	14°10	13°28	6°38	10°1	M15
T 16	16 6 59	2°43'59	13 ^{II} 17	26°7	20°36	22°7	4°52	0°5	0°53	11°6	6°49	14°2	13°25	6°45	10°6	T 16
W17	16 10 56	3°41'24	28°32	27°11	21°50	22°47	4°44	0°4	0°51	11°8	6°50	13°53	13°22	6°51	10°11	W17
T 18	16 14 53	4°38'47	13 ^{II} 52	28°11	23°3	23°26	4°37	0°2	0°49	11°10	6°51	13°42	13°18	6°58	10°17	T 18
F 19	16 18 49	5°36'09	29°7	29°8	24°16	24°6	4°29	0°1	0°47	11°12	6°53	13°32	13°15	7°5	10°22	F 19
S 20	16 22 46	6°33'31	14 ³ 5	0 ⁸ 1	25°30	24°45	4°21	29 ³ 59	0°45	11°15	6°54	13°23	13°12	7°12	10°27	S 20
S 21	16 26 42	7°30'52	28°40	0°50	26°43	25°25	4°14	29°57	0°42	11°17	6°55	13°17	13°9	7°18	10°33	S 21
M22	16 30 39	8°28'12	12 [≈] 45	1°36	27°57	26°4	4°6	29°56	0°40	11°19	6°57	13°13	13°6	7°25	10°38	M22
T 23	16 34 35	9°25'32	26°22	2°17	29°10	26°43	3°59	29°54	0°38	11°21	6°58	13°11	13°3	7°32	10°43	T 23
W24	16 38 32	10°22'52	9 ^{II} 32	2°54	0 ^{II} 24	27°23	3°51	29°52	0°36	11°24	7°0	13°11	12°59	7°39	10°49	W24
T 25	16 42 28	11°20'10	22°19	3°27	1°37	28°2	3°44	29°49	0°34	11°26	7°1	13°11	12°56	7°45	10°54	T 25
F 26	16 46 25	12°17'29	4 ^{II} 46	3°56	2°51	28°41	3°36	29°47	0°31	11°28	7°2	13°10	12°53	7°52	10°59	F 26
S 27	16 50 22	13°14'46	17°0	4°20	4°4	29°20	3°29	29°45	0°29	11°30	7°4	13°7	12°50	7°59	11°5	S 27
S 28	16 54 18	14°12'04	29°3	4°40	5°18	29°59	3°21	29°43	0°27	11°33	7°5	13°1	12°47	8°5	11°10	S 28
M29	16 58 15	15°9'21	10 ⁸ 59	4°55	6°31	0 ⁸ 39	3°14	29°40	0°24	11°35	7°6	12°53	12°44	8°12	11°15	M29
T 30	17 2 11	16°6'38	22°52	5°6	7°45	1°18	3°6	29°38	0°22	11°37	7°8	12°42	12°40	8°19	11°21	T 30
W31	17 6 8	17 ^{II} 3'54	4 ^{II} 44	5 ⁸ 12	8 ^{II} 58	1 ⁸ 57	2 [≈] 59	29 ³ 35	0 ³ 20	11 ^{II} 39	7 ^{II} 9	12 ^{II} 29	12 ^{II} 37	8 ^{II} 26	11 ^{II} 26	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	17n20	8n44	3s40	22n47	1n54	11n 3	1s19	23n 7	0n48	20s40	0n51	20s27	0s17	23s46	0s15	20n41	1s26	11n39	9s57	5n42	6n14	16n13	17n18	4s35					
T 2	17 36	11 57	4 18	23 13	2 0	11 30	1 18	23 13	0 49	20 39	0 51	20 27	0 17	23 46	0 15	20 41	1 26	11 39	9 57	5 46	6 15	16 14	17 19	4 35					
W 3	17 52	14 39	4 45	23 37	2 5	11 56	1 16	23 18	0 49	20 38	0 51	20 27	0 18	23 46	0 15	20 42	1 26	11 40	9 57	5 50	6 16	16 15	17 20	4 35					
T 4	18 7	16 44	5 0	23 59	2 9	12 21	1 15	23 23	0 49	20 37	0 50	20 27	0 18	23 46	0 15	20 42	1 26	11 40	9 56	5 55	6 18	16 16	17 21	4 35					
F 5	18 22	18 6	5 1	24 18	2 12	12 47	1 13	23 28	0 50	20 35	0 50	20 27	0 18	23 46	0 15	20 42	1 26	11 40	9 56	6 0	6 19	16 17	17 22	4 35					
S 6	18 37	18 41	4 49	24 34	2 15	13 12	1 12	23 33	0 50	20 34	0 50	20 27	0 18	23 46	0 15	20 43	1 26	11 41	9 56	6 4	6 20	16 18	17 22	4 35					
S 7	18 51	18 27	4 25	24 48	2 17	13 37	1 10	23 38	0 50	20 33	0 50	20 28	0 18	23 46	0 15	20 43	1 26	11 41	9 56	6 7	6 21	16 19	17 23	4 35					
M 8	19 6	17 22	3 49	25 0	2 18	14 2	1 9	23 42	0 51	20 32	0 50	20 28	0 18	23 46	0 15	20 43	1 26	11 41	9 56	6 10	6 23	16 20	17 24	4 35					
T 9	19 19	15 30	3 2	25 10	2 18	14 26	1 7	23 46	0 51	20 31	0 50	20 28	0 18	23 46	0 15	20 44	1 26	11 41	9 56	6 11	6 24	16 21	17 25	4 35					
W10	19 33	12 52	2 5	25 18	2 17	14 50	1 5	23 50	0 52	20 29	0 50	20 28	0 18	23 46	0 15	20 44	1 26	11 42	9 56	6 12	6 25	16 22	17 25	4 35					
T 11	19 46	9 33	1 0	25 23	2 16	15 14	1 3	23 54	0 52	20 28	0 50	20 29	0 18	23 46	0 15	20 44	1 26	11 42	9 56	6 12	6 26	16 23	17 26	4 35					
F 12	19 59	5 40	0n 9	25 27	2 14	15 37	1 1	23 58	0 52	20 27	0 50	20 29	0 19	23 46	0 15	20 45	1 26	11 42	9 56	6 12	6 27	16 24	17 27	4 35					
S 13	20 11	1 22	1 20	25 28	2 10	16 0	1 0	24 1	0 53	20 26	0 50	20 29	0 19	23 46	0 15	20 45	1 26	11 43	9 56	6 12	6 29	16 25	17 28	4 35					
S 14	20 23	3s 9	2 29	25 28	2 6	16 22	0 58	24 4	0 53	20 24	0 50	20 30	0 19	23 46	0 15	20 45	1 26	11 43	9 56	6 13	6 30	16 26	17 28	4 35					
M15	20 35	7 38	3 30	25 27	2 2	16 44	0 56	24 7	0 53	20 23	0 50	20 30	0 19	23 46	0 15	20 46	1 26	11 43	9 56	6 15	6 31	16 27	17 29	4 35					
T 16	20 46	11 45	4 19	25 23	1 56	17 6	0 54	24 10	0 54	20 22	0 49	20 30	0 19	23 46	0 15	20 46	1 26	11 43	9 56	6 18	6 32	16 28	17 30	4 35					
W17	20 57	15 10	4 50	25 19	1 50	17 27	0 52	24 13	0 54	20 21	0 49	20 31	0 19	23 46	0 15	20 46	1 26	11 44	9 55	6 22	6 34	16 29	17 30	4 35					
T 18	21 8	17 34	5 1	25 13	1 42	17 48	0 50	24 15	0 54	20 19	0 49	20 31	0 19	23 46	0 15	20 47	1 26	11 44	9 55	6 26	6 35	16 30	17 31	4 35					
F 19	21 18	18 41	4 50	25 5	1 34	18 8	0 47	24 17	0 55	20 18	0 49	20 32	0 19	23 46	0 15	20 47	1 26	11 44	9 55	6 30	6 36	16 31	17 32	4 35					
S 20	21 28	18 28	4 19	24 57	1 26	18 28	0 45	24 19	0 55	20 17	0 49	20 32	0 19	23 46	0 15	20 47	1 25	11 45	9 55	6 33	6 37	16 32	17 32	4 35					
S 21	21 38	17 2	3 32	24 47	1 16	18 47	0 43	24 21	0 55	20 15	0 49	20 33	0 20	23 46	0 15	20 47	1 25	11 45	9 55	6 35	6 38	16 33	17 33	4 35					
M22	21 47	14 35	2 33	24 36	1 6	19 6	0 41	24 23	0 55	20 14	0 49	20 33	0 20	23 46	0 15	20 48	1 25	11 45	9 55	6 37	6 40	16 34	17 34	4 36					
T 23	21 56	11 23	1 28	24 24	0 55	19 24	0 39	24 24	0 56	20 13	0 49	20 34	0 20	23 46	0 15	20 48	1 25	11 45	9 55	6 38	6 41	16 35	17 35	4 36					
W24	22 4	7 43	0 19	24 12	0 43	19 42	0 37	24 25	0 56	20 12	0 48	20 34	0 20	23 46	0 15	20 48	1 25	11 46	9 55	6 38	6 42	16 36	17 35	4 36					
T 25	22 13	3 48	0s48	23 58	0 30	19 59	0 34	24 26	0 56	20 10	0 48	20 35	0 20	23 46	0 15	20 49	1 25	11 46	9 55	6 38	6 43	16 37	17 36	4 36					
F 26	22 20	0n12	1 51	23 44	0 17	20 16	0 32	24 27	0 57	20 9	0 48	20 35	0 20	23 46	0 15	20 49	1 25	11 46	9 55	6 38	6 45	16 38	17 36	4 36					
S 27	22 28	4 6	2 48	23 30	0 3	20 32	0 30	24 28	0 57	20 8	0 48	20 36	0 20	23 46	0 15	20 49	1 25	11 46	9 55	6 39	6 46	16 39	17 37	4 36					
S 28	22 35	7 47	3 37	23 15	0s11	20 48	0 27	24 28	0 57	20 7	0 48	20 36	0 20	23 46	0 15	20 50	1 25	11 46	9 55	6 41	6 47	16 40	17 38	4 36					
M29	22 41	11 7	4 15	22 59	0 26	21 3	0 25	24 28	0 58	20 5	0 48	20 37	0 20	23 46	0 16	20 50	1 25	11 47	9 55	6 45	6 48	16 41	17 38	4 36					
T 30	22 47	14 0	4 42	22 43	0 24	21 18	0 23	24 28	0 58	20 4	0 48	20 38	0 21	23 46	0 16	20 50	1 25	11 47	9 55	6 49	6 49	16 42	17 39	4 36					
W31	22n53	16n17	4s57	22n27	0s58	21n32	0s20	24n28	0n58	20s 3	0n47	20s38	0s21	23s46	0s16	20n51	1s25	11n47	9s55	6n54	6n51	16n43	17n39	4s36					

ASTRODIENST EPHEMERIS for the year 1402
geocentric

JUNE 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 10 4	18II 1'09	16II36	5°R14	10II12	2☾36	2°R52	29°R32	0°R17	11II41	7II11	12°R15	12II34	8II32	11II31	T 1
F 2	17 14 1	18°58'25	28°30	5☾11	11°25	3°15	2°R45	29°R30	0°R15	11°44	7°12	12II 1	12°31	8°39	11°37	F 2
S 3	17 17 57	19°55'39	10☾27	5° 4	12°39	3°54	2°38	29°27	0°13	11°46	7°13	11°49	12°28	8°46	11°42	S 3
S 4	17 21 54	20°52'54	22°29	4°53	13°52	4°34	2°31	29°24	0°10	11°48	7°15	11°39	12°24	8°53	11°48	S 4
M 5	17 25 51	21°50'07	4☾38	4°37	15° 6	5°13	2°24	29°21	0° 8	11°50	7°16	11°31	12°21	8°59	11°53	M 5
T 6	17 29 47	22°47'20	16°56	4°17	16°20	5°52	2°17	29°18	0° 6	11°53	7°17	11°27	12°18	9° 6	11°58	T 6
W 7	17 33 44	23°44'33	29°27	3°54	17°33	6°31	2°10	29°15	0° 3	11°55	7°19	11°25	12°15	9°13	12° 3	W 7
T 8	17 37 40	24°41'45	12II14	3°28	18°47	7°10	2° 4	29°12	0° 1	11°57	7°20	11°D24	12°12	9°19	12° 9	T 8
F 9	17 41 37	25°38'56	25°21	2°58	20° 0	7°49	1°57	29° 8	29°R58	11°59	7°21	11°R24	12° 9	9°26	12°14	F 9
S 10	17 45 33	26°36'07	8☾52	2°26	21°14	8°27	1°51	29° 5	29°56	12° 1	7°23	11°24	12° 5	9°33	12°19	S 10
S 11	17 49 30	27°33'17	22°49	1°52	22°28	9° 6	1°45	29° 2	29°53	12° 4	7°24	11°22	12° 2	9°40	12°25	S 11
M12	17 53 26	28°30'27	7II12	1°17	23°41	9°45	1°39	28°58	29°51	12° 6	7°25	11°17	11°59	9°46	12°30	M12
T 13	17 57 23	29°27'36	21°59	0°41	24°55	10°24	1°33	28°55	29°49	12° 8	7°27	11°11	11°56	9°53	12°35	T 13
W14	18 1 20	0☾24'46	7☾ 4	0° 5	26° 9	11° 3	1°27	28°51	29°46	12°10	7°28	11° 2	11°53	10° 0	12°40	W14
T 15	18 5 16	1°21'55	22°19	29II29	27°22	11°42	1°21	28°47	29°44	12°12	7°29	10°52	11°50	10° 7	12°45	T 15
F 16	18 9 13	2°19'04	7☾31	28°55	28°36	12°21	1°15	28°44	29°41	12°14	7°30	10°43	11°46	10°13	12°51	F 16
S 17	18 13 9	3°16'13	22°31	28°22	29°50	12°59	1°10	28°40	29°39	12°16	7°32	10°34	11°43	10°20	12°56	S 17
S 18	18 17 6	4°13'22	7☾10	27°51	1☾ 3	13°38	1° 4	28°36	29°36	12°19	7°33	10°28	11°40	10°27	13° 1	S 18
M19	18 21 2	5°10'31	21°23	27°23	2°17	14°17	0°59	28°32	29°34	12°21	7°34	10°25	11°37	10°33	13° 6	M19
T 20	18 24 59	6° 7'41	5☾ 6	26°58	3°31	14°56	0°54	28°28	29°32	12°23	7°35	10°D23	11°34	10°40	13°11	T 20
W21	18 28 56	7° 4'50	18°21	26°37	4°44	15°34	0°49	28°24	29°29	12°25	7°37	10°23	11°30	10°47	13°16	W21
T 22	18 32 52	8° 2'01	1☾11	26°20	5°58	16°13	0°44	28°20	29°27	12°27	7°38	10°24	11°27	10°54	13°21	T 22
F 23	18 36 49	8°59'11	13°40	26° 8	7°12	16°52	0°40	28°16	29°24	12°29	7°39	10°R24	11°24	11° 0	13°26	F 23
S 24	18 40 45	9°56'23	25°53	26° 0	8°26	17°30	0°35	28°12	29°22	12°31	7°40	10°23	11°21	11° 7	13°31	S 24
S 25	18 44 42	10°53'34	7☾55	25°D58	9°39	18° 9	0°31	28° 8	29°20	12°33	7°42	10°19	11°18	11°14	13°36	S 25
M26	18 48 38	11°50'47	19°49	26° 0	10°53	18°48	0°27	28° 4	29°17	12°35	7°43	10°14	11°15	11°20	13°41	M26
T 27	18 52 35	12°47'59	1II41	26° 8	12° 7	19°26	0°23	28° 0	29°15	12°37	7°44	10° 6	11°11	11°27	13°46	T 27
W28	18 56 31	13°45'13	13°32	26°21	13°21	20° 5	0°19	27°56	29°13	12°39	7°45	9°56	11° 8	11°34	13°51	W28
T 29	19 0 28	14°42'27	25°27	26°40	14°35	20°44	0°15	27°51	29°10	12°41	7°46	9°46	11° 5	11°41	13°56	T 29
F 30	19 4 25	15☾39'41	7☾25	27II 4	15☾49	21☾22	0°R11	27☾47	29°R 8	12II43	7II47	9II36	11II 2	11II47	14II 1	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	22n58	17n53	4s59	22n11	1s14	21n45	0s18	24n28	0n58	20s 2	0n47	20s39	0s21	23s46	0s16	20n51	1s25	11n47	9s55	6n59	6n52	16n44	17n40	4s37	
F 2	23 3	18 43	4 48	21 55	1 30	21 58	0 16	24 27	0 59	20 0	0 47	20 40	0 21	23 46	0 16	20 51	1 25	11 48	9 55	7 5	6 53	16 45	17 41	4 37	
S 3	23 8	18 43	4 24	21 38	1 47	22 10	0 13	24 26	0 59	19 59	0 47	20 40	0 21	23 46	0 16	20 51	1 25	11 48	9 55	7 9	6 54	16 45	17 41	4 37	
S 4	23 12	17 53	3 48	21 22	2 3	22 21	0 11	24 25	0 59	19 58	0 47	20 41	0 21	23 46	0 16	20 52	1 25	11 48	9 55	7 13	6 56	16 46	17 42	4 37	
M 5	23 16	16 14	3 1	21 6	2 20	22 32	0 9	24 24	0 59	19 57	0 47	20 42	0 21	23 46	0 16	20 52	1 25	11 48	9 55	7 16	6 57	16 47	17 42	4 37	
T 6	23 19	13 49	2 6	20 51	2 36	22 43	0 6	24 23	1 0	19 56	0 46	20 43	0 21	23 46	0 16	20 52	1 25	11 48	9 55	7 18	6 58	16 48	17 43	4 37	
W 7	23 22	10 43	1 3	20 36	2 52	22 52	0 4	24 21	1 0	19 54	0 46	20 43	0 21	23 46	0 16	20 53	1 25	11 49	9 55	7 18	6 59	16 49	17 43	4 37	
T 8	23 24	7 4	0n 4	20 21	3 7	23 1	0 1	24 19	1 0	19 53	0 46	20 44	0 22	23 46	0 16	20 53	1 25	11 49	9 55	7 19	7 0	16 50	17 44	4 38	
F 9	23 27	2 58	1 13	20 7	3 22	23 9	0n 1	24 17	1 0	19 52	0 46	20 45	0 22	23 46	0 16	20 53	1 25	11 49	9 55	7 19	7 2	16 51	17 44	4 38	
S 10	23 28	1s23	2 20	19 54	3 36	23 17	0 3	24 15	1 1	19 51	0 46	20 46	0 22	23 47	0 16	20 53	1 25	11 49	9 55	7 19	7 3	16 52	17 45	4 38	
S 11	23 29	5 48	3 21	19 42	3 48	23 24	0 6	24 13	1 1	19 50	0 45	20 47	0 22	23 47	0 16	20 54	1 25	11 49	9 55	7 20	7 4	16 53	17 45	4 38	
M12	23 30	10 0	4 11	19 30	4 0	23 30	0 8	24 10	1 1	19 49	0 45	20 47	0 22	23 47	0 16	20 54	1 25	11 49	9 55	7 21	7 5	16 54	17 46	4 38	
T 13	23 31	13 43	4 46	19 20	4 11	23 36	0 11	24 7	1 1	19 48	0 45	20 48	0 22	23 47	0 16	20 54	1 25	11 50	9 55	7 24	7 6	16 55	17 46	4 38	
W14	23 31	16 36	5 1	19 11	4 20	23 40	0 13	24 5	1 2	19 47	0 45	20 49	0 22	23 47	0 16	20 55	1 25	11 50	9 55	7 27	7 8	16 56	17 47	4 39	
T 15	23 30	18 22	4 56	19 3	4 28	23 45	0 15	24 1	1 2	19 46	0 45	20 50	0 22	23 47	0 16	20 55	1 25	11 50	9 55	7 31	7 9	16 57	17 47	4 39	
F 16	23 30	18 48	4 30	18 57	4 34	23 48	0 18	23 58	1 2	19 45	0 44	20 51	0 22	23 47	0 16	20 55	1 25	11 50	9 55	7 34	7 10	16 58	17 48	4 39	
S 17	23 28	17 55	3 46	18 52	4 39	23 51	0 20	23 55	1 2	19 44	0 44	20 52	0 23	23 47	0 16	20 55	1 25	11 50	9 55	7 38	7 11	16 59	17 48	4 39	
S 18	23 27	15 51	2 47	18 48	4 42	23 53	0 22	23 51	1 2	19 43	0 44	20 52	0 23	23 47	0 16	20 56	1 25	11 50	9 56	7 40	7 13	16 59	17 49	4 39	
M19	23 25	12 51	1 39	18 46	4 43	23 54	0 25	23 47	1 3	19 42	0 44	20 53	0 23	23 47	0 16	20 56	1 26	11 51	9 56	7 41	7 14	17 0	17 49	4 40	
T 20	23 22	9 14	0 28	18 46	4 43	23 55	0 27	23 43	1 3	19 41	0 44	20 54	0 23	23 47	0 16	20 56	1 26	11 51	9 56	7 42	7 15	17 1	17 49	4 40	
W21	23 19	5 16	0s42	18 47	4 42	23 55	0 29	23 39	1 3	19 41	0 43	20 55	0 23	23 47	0 16	20 56	1 26	11 51	9 56	7 42	7 16	17 2	17 50	4 40	
T 22	23 16	1 11	1 49	18 49	4 39	23 54	0 31	23 34	1 3	19 40	0 43	20 56	0 23	23 47	0 16	20 57	1 26	11 51	9 56	7 41	7 17	17 3	17 50	4 40	
F 23	23 13	2n50	2 48	18 53	4 35	23 52	0 33	23 30	1 3	19 39	0 43	20 57	0 23	23 47	0 16	20 57	1 26	11 51	9 56	7 41	7 19	17 4	17 50	4 41	
S 24	23 8	6 39	3 38	18 58	4 29	23 50	0 36	23 25	1 4	19 38	0 43	20 58	0 23	23 47	0 16	20 57	1 26	11 51	9 56	7 42	7 20	17 5	17 51	4 41	
S 25	23 4	10 7	4 18	19 5	4 22	23 47	0 38	23 20	1 4	19 38	0 43	20 59	0 23	23 47	0 16	20 57	1 26	11 51	9 56	7 43	7 21	17 6	17 51	4 41	
M26	22 59	13 9	4 46	19 13	4 14	23 44	0 40	23 15	1 4	19 37	0 42	21 0	0 23	23 47	0 16	20 58	1 26	11 51	9 56	7 45	7 22	17 7	17 52	4 41	
T 27	22 54	15 38	5 1	19 22	4 5	23 39	0 42	23 10	1 4	19 36	0 42	21 1	0 24	23 47	0 16	20 58	1 26	11 51	9 56	7 48	7 23	17 8	17 52	4 42	
W28	22 48	17 28	5 4	19 33	3 55	23 34	0 44	23 4	1 4	19 36	0 42	21 2	0 24	23 47	0 16	20 58	1 26	11 52	9 56	7 52	7 25	17 9	17 52	4 42	
T 29	22 42	18 33	4 53	19 44	3 44	23 29	0 46	22 58	1 5	19 35	0 42	21 3	0 24	23 46	0 16	20 58	1 26	11 52	9 56	7 56	7 26	17 10	17 52	4 42	
F 30	22n36	18n49	4s30	19n56	3s33	23n22	0n48	22n53	1n 5	19s35	0n42	21s 4	0s24	23s46	0s16	20n59	1s26	11n52	9s56	8n 0	7n27	17n10	17n53	4s42	

ASTRODIENST EPHEMERIS for the year 1402
geocentric

JULY 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 8 21	16°36'56	19°30	27°34	17°52	22°51	0°R 8	27°R43	29°R 6	12°II45	7°II48	9°R26	10°II59	11°II54	14°II 6	S 1
S 2	19 12 18	17°34'11	18°42	28° 9	18°16	22°39	0°R 5	27°R39	29°R 4	12°47	7°50	9°II19	10°56	12° 1	14°10	S 2
M 3	19 16 14	18°31'27	14° 3	28°50	19°30	23°18	0° 2	27°34	29° 1	12°49	7°51	9°14	10°52	12° 8	14°15	M 3
T 4	19 20 11	19°28'43	26°34	29°36	20°44	23°56	29°II59	27°30	28°59	12°51	7°52	9°11	10°49	12°14	14°20	T 4
W 5	19 24 7	20°26'00	9°II16	0°527	21°58	24°35	29°56	27°25	28°57	12°52	7°53	9°D10	10°46	12°21	14°24	W 5
T 6	19 28 4	21°23'16	22°12	1°24	23°12	25°13	29°54	27°21	28°55	12°54	7°54	9°11	10°43	12°28	14°29	T 6
F 7	19 32 0	22°20'34	5°II25	2°26	24°26	25°52	29°52	27°17	28°52	12°56	7°55	9°12	10°40	12°34	14°34	F 7
S 8	19 35 57	23°17'51	18°56	3°33	25°40	26°30	29°49	27°12	28°50	12°58	7°56	9°R13	10°36	12°41	14°38	S 8
S 9	19 39 53	24°15'09	2°II47	4°45	26°54	27° 9	29°48	27° 8	28°48	13° 0	7°57	9°13	10°33	12°48	14°43	S 9
M10	19 43 50	25°12'28	16°59	6° 2	28° 8	27°47	29°46	27° 3	28°46	13° 2	7°58	9°11	10°30	12°55	14°47	M10
T 11	19 47 47	26° 9'47	1°R30	7°24	29°22	28°26	29°44	26°59	28°44	13° 3	7°59	9° 7	10°27	13° 1	14°52	T 11
W12	19 51 43	27° 7'06	16°15	8°51	0°II36	29° 4	29°43	26°54	28°42	13° 5	8° 0	9° 2	10°24	13° 8	14°56	W12
T 13	19 55 40	28° 4'26	1°R31	10°22	1°50	29°42	29°42	26°50	28°40	13° 7	8° 1	8°56	10°21	13°15	15° 1	T 13
F 14	19 59 36	29° 1'47	16° 5	11°57	3° 4	0°II21	29°41	26°46	28°38	13° 8	8° 2	8°50	10°17	13°22	15° 5	F 14
S 15	20 3 33	29°59'09	0°R52	13°37	4°18	0°59	29°40	26°41	28°36	13°10	8° 3	8°45	10°14	13°28	15° 9	S 15
S 16	20 7 29	0°II56'32	15°23	15°20	5°32	1°38	29°39	26°37	28°34	13°12	8° 4	8°42	10°11	13°35	15°13	S 16
M17	20 11 26	1°53'55	29°32	17° 6	6°46	2°16	29°39	26°32	28°32	13°13	8° 5	8°40	10° 8	13°42	15°18	M17
T 18	20 15 23	2°51'20	13°R15	18°56	8° 0	2°54	29°38	26°28	28°30	13°15	8° 6	8°D40	10° 5	13°48	15°22	T 18
W19	20 19 19	3°48'45	26°34	20°49	9°14	3°33	29°D38	26°23	28°28	13°17	8° 6	8°41	10° 2	13°55	15°26	W19
T 20	20 23 16	4°46'12	9°R27	22°45	10°28	4°11	29°38	26°19	28°27	13°18	8° 7	8°42	9°58	14° 2	15°30	T 20
F 21	20 27 12	5°43'41	22° 0	24°42	11°42	4°49	29°39	26°15	28°25	13°20	8° 8	8°44	9°55	14° 9	15°34	F 21
S 22	20 31 9	6°41'10	4°R16	26°41	12°56	5°28	29°39	26°10	28°23	13°21	8° 9	8°R44	9°52	14°15	15°38	S 22
S 23	20 35 5	7°38'41	16°19	28°42	14°10	6° 6	29°40	26° 6	28°21	13°23	8°10	8°44	9°49	14°22	15°42	S 23
M24	20 39 2	8°36'14	28°15	0°II44	15°24	6°44	29°40	26° 2	28°20	13°24	8°10	8°42	9°46	14°29	15°46	M24
T 25	20 42 58	9°33'48	10°II 7	2°46	16°38	7°22	29°41	25°58	28°18	13°25	8°11	8°39	9°42	14°35	15°50	T 25
W26	20 46 55	10°31'23	22° 0	4°49	17°52	8° 1	29°43	25°53	28°17	13°27	8°12	8°35	9°39	14°42	15°53	W26
T 27	20 50 52	11°29'00	3°R58	6°53	19° 6	8°39	29°44	25°49	28°15	13°28	8°13	8°31	9°36	14°49	15°57	T 27
F 28	20 54 48	12°26'38	16° 2	8°55	20°21	9°17	29°46	25°45	28°13	13°30	8°13	8°26	9°33	14°56	16° 1	F 28
S 29	20 58 45	13°24'18	28°16	10°58	21°35	9°56	29°47	25°41	28°12	13°31	8°14	8°22	9°30	15° 2	16° 4	S 29
S 30	21 2 41	14°21'59	10°II41	13° 0	22°49	10°34	29°49	25°37	28°11	13°32	8°15	8°19	9°27	15° 9	16° 8	S 30
M31	21 6 38	15°II19'41	23°II18	15°II 1	24°II 3	11°II12	29°II51	25°R33	28°R 9	13°II34	8°II15	8°II17	9°II23	15°II16	16°II11	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	22n29	18n14	3s54	20n 9	3s21	23n15	0n50	22n47	1n 5	19s34	0n41	21s 4	0s24	23s46	0s16	20n59	1s26	11n52	9s56	8n 3	7n28	17n11	17n53	4s43	
S 2	22 21	16 48	3 7	20 22	3 8	23 7	0 52	22 40	1 5	19 34	0 41	21 5	0 24	23 46	0 16	20 59	1 26	11 52	9 57	8 6	7 30	17 12	17 53	4 43	
M 3	22 14	14 34	2 11	20 36	2 55	22 59	0 54	22 34	1 5	19 33	0 41	21 6	0 24	23 46	0 16	20 59	1 26	11 52	9 57	8 8	7 31	17 13	17 54	4 43	
T 4	22 6	11 39	1 7	20 50	2 41	22 49	0 56	22 28	1 5	19 33	0 41	21 7	0 24	23 46	0 16	21 0	1 26	11 52	9 57	8 9	7 32	17 14	17 54	4 44	
W 5	21 57	8 8	0n 1	21 4	2 27	22 40	0 57	22 21	1 6	19 33	0 40	21 8	0 24	23 46	0 16	21 0	1 26	11 52	9 57	8 9	7 33	17 15	17 54	4 44	
T 6	21 48	4 10	1 10	21 18	2 13	22 29	0 59	22 14	1 6	19 32	0 40	21 9	0 24	23 46	0 16	21 0	1 26	11 52	9 57	8 9	7 34	17 16	17 54	4 44	
F 7	21 39	0s 4	2 17	21 31	1 58	22 18	1 1	22 7	1 6	19 32	0 40	21 10	0 25	23 46	0 16	21 0	1 26	11 52	9 57	8 9	7 36	17 16	17 54	4 44	
S 8	21 30	4 23	3 18	21 44	1 44	22 6	1 2	22 0	1 6	19 32	0 40	21 11	0 25	23 46	0 16	21 0	1 26	11 52	9 57	8 8	7 37	17 17	17 55	4 45	
S 9	21 20	8 34	4 9	21 56	1 29	21 53	1 4	21 53	1 6	19 32	0 40	21 12	0 25	23 46	0 16	21 1	1 26	11 52	9 57	8 9	7 38	17 18	17 55	4 45	
M10	21 10	12 23	4 46	22 8	1 15	21 40	1 6	21 45	1 6	19 31	0 39	21 13	0 25	23 46	0 16	21 1	1 26	11 52	9 57	8 9	7 39	17 19	17 55	4 45	
T 11	20 59	15 31	5 6	22 18	1 1	21 27	1 7	21 38	1 6	19 31	0 39	21 14	0 25	23 46	0 16	21 1	1 26	11 52	9 58	8 11	7 40	17 20	17 55	4 46	
W12	20 48	17 43	5 7	22 27	0 47	21 12	1 9	21 30	1 7	19 31	0 39	21 15	0 25	23 46	0 16	21 1	1 26	11 52	9 58	8 12	7 42	17 21	17 55	4 46	
T 13	20 37	18 44	4 46	22 34	0 33	20 57	1 10	21 22	1 7	19 31	0 39	21 16	0 25	23 46	0 16	21 1	1 26	11 52	9 58	8 15	7 43	17 22	17 55	4 46	
F 14	20 25	18 28	4 7	22 39	0 19	20 41	1 11	21 14	1 7	19 31	0 38	21 17	0 25	23 46	0 16	21 2	1 26	11 52	9 58	8 17	7 44	17 22	17 56	4 47	
S 15	20 13	16 55	3 11	22 43	0 6	20 25	1 13	21 5	1 7	19 31	0 38	21 18	0 25	23 46	0 16	21 2	1 26	11 52	9 58	8 19	7 45	17 23	17 56	4 47	
S 16	20 1	14 19	2 3	22 44	0n 6	20 8	1 14	20 57	1 7	19 31	0 38	21 19	0 25	23 46	0 16	21 2	1 26	11 52	9 58	8 20	7 46	17 24	17 56	4 47	
M17	19 48	10 54	0 50	22 43	0 18	19 51	1 15	20 49	1 7	19 31	0 38	21 20	0 25	23 46	0 16	21 2	1 26	11 52	9 58	8 21	7 48	17 25	17 56	4 48	
T 18	19 35	6 59	0s25	22 39	0 29	19 33	1 16	20 40	1 7	19 32	0 38	21 21	0 25	23 46	0 16	21 2	1 26	11 52	9 58	8 21	7 49	17 26	17 56	4 48	
W19	19 22	2 50	1 36	22 33	0 40	19 15	1 17	20 31	1 8	19 32	0 37	21 22	0 26	23 46	0 16	21 2	1 26	11 52	9 59	8 21	7 50	17 27	17 56	4 48	
T 20	19 8	1n18	2 40	22 25	0 50	18 56	1 18	20 22	1 8	19 32	0 37	21 22	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 20	7 51	17 28	17 56	4 49	
F 21	18 54	5 17	3 35	22 13	0 59	18 36	1 19	20 13	1 8	19 32	0 37	21 23	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 19	7 52	17 28	17 56	4 49	
S 22	18 40	8 56	4 18	21 59	1 8	18 16	1 20	20 4	1 8	19 33	0 37	21 24	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 19	7 54	17 29	17 56	4 50	
S 23	18 25	12 9	4 49	21 43	1 15	17 55	1 21	19 54	1 8	19 33	0 36	21 25	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 19	7 55	17 30	17 56	4 50	
M24	18 10	14 50	5 7	21 23	1 22	17 34	1 22	19 45	1 8	19 33	0 36	21 26	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 20	7 56	17 31	17 56	4 50	
T 25	17 55	16 53	5 13	21 1	1 28	17 13	1 22	19 35	1 8	19 34	0 36	21 27	0 26	23 46	0 16	21 3	1 26	11 52	9 59	8 21	7 57	17 32	17 56	4 51	
W26	17 39	18 13	5 4	20 37	1 33	16 51	1 23	19 25	1 8	19 34	0 36	21 28	0 26	23 46	0 16	21 3	1 26	11 52	10 0	8 22	7 58	17 32	17 56	4 51	
T 27	17 23	18 45	4 43	20 10	1 37	16 28	1 24	19 15	1 8	19 35	0 36	21 29	0 26	23 46	0 16	21 4	1 26	11 52	10 0	8 24	8 0	17 33	17 56	4 52	
F 28	17 7	18 26	4 8	19 42	1 40	16 5	1 24	19 5	1 8	19 35	0 35	21 29	0 26	23 46	0 16	21 4	1 26	11 52	10 0	8 26	8 1	17 34	17 56	4 52	
S 29	16 51	17 16	3 22	19 11	1 43	15 42	1 25	18 55	1 9	19 36	0 35	21 30	0 26	23 46	0 16	21 4	1 26	11 52	10 0	8 27	8 2	17 35	17 56	4 52	
S 30	16 34	15 16	2 26	18 38	1 45	15 18	1 25	18 45	1 9	19 36	0 35	21 31	0 26	23 46	0 16	21 4	1 26	11 52	10 0	8 28	8 3	17 36	17 56	4 53	
M31	16n17	12n31	1s22	18n 4	1n46	14n53	1n26	18n34	1n 9	19s37	0n35	21s32	0s26	23s46	0s16	21n 4	1s27	11n52	10s 0	8n29	8n 4	17n37	17n56	4s53	

ASTRODIENST EPHEMERIS for the year 1402

geocentric

AUGUST 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 10 34	16♌1724	6♍7	17♌2	25♌17	11♌50	29♍54	25°R29	28°R 8	13♌35	8♌16	8°D17	9♍20	15♌23	16♌15	T 1
W 2	21 14 31	17°15'09	19° 9	19° 1	26°31	12°29	29°56	25♌25	28♌6	13°36	8°17	8♌17	9°17	15°29	16°18	W 2
T 3	21 18 27	18°12'55	2♌24	20°59	27°46	13° 7	29°59	25°21	28° 5	13°37	8°17	8°18	9°14	15°36	16°22	T 3
F 4	21 22 24	19°10'42	15°52	22°57	29° 0	13°45	0♌1	25°17	28° 4	13°38	8°18	8°19	9°11	15°43	16°25	F 4
S 5	21 26 20	20° 8'31	29°33	24°53	0♍14	14°23	0° 4	25°13	28° 3	13°39	8°18	8°21	9° 8	15°49	16°28	S 5
S 6	21 30 17	21° 6'21	13♌28	26°47	1°28	15° 1	0° 8	25° 9	28° 2	13°41	8°19	8°21	9° 4	15°56	16°31	S 6
M 7	21 34 14	22° 4'11	27°35	28°41	2°42	15°40	0°11	25° 5	28° 1	13°42	8°19	8°R21	9° 1	16° 3	16°34	M 7
T 8	21 38 10	23° 2'04	11♌52	0♍33	3°57	16°18	0°14	25° 2	27°59	13°43	8°20	8°21	8°58	16°10	16°37	T 8
W 9	21 42 7	23°59'57	26°18	2°23	5°11	16°56	0°18	24°58	27°58	13°44	8°20	8°20	8°55	16°16	16°40	W 9
T 10	21 46 3	24°57'52	10♌47	4°13	6°25	17°34	0°22	24°55	27°57	13°45	8°21	8°18	8°52	16°23	16°43	T 10
F 11	21 50 0	25°55'48	25°16	6° 1	7°39	18°12	0°26	24°51	27°57	13°46	8°21	8°16	8°48	16°30	16°46	F 11
S 12	21 53 56	26°53'46	9♌38	7°48	8°53	18°51	0°30	24°48	27°56	13°47	8°22	8°15	8°45	16°36	16°49	S 12
S 13	21 57 53	27°51'45	23°48	9°33	10° 8	19°29	0°35	24°44	27°55	13°47	8°22	8°14	8°42	16°43	16°51	S 13
M14	22 1 49	28°49'45	7♌42	11°17	11°22	20° 7	0°39	24°41	27°54	13°48	8°22	8°D14	8°39	16°50	16°54	M14
T 15	22 5 46	29°47'47	21°16	13° 0	12°36	20°45	0°44	24°38	27°53	13°49	8°23	8°14	8°36	16°57	16°57	T 15
W16	22 9 43	0♍45'52	4♌30	14°42	13°50	21°23	0°49	24°35	27°53	13°50	8°23	8°15	8°33	17° 3	16°59	W16
T 17	22 13 39	1°43'58	17°23	16°23	15° 5	22° 1	0°54	24°32	27°52	13°51	8°23	8°15	8°29	17°10	17° 2	T 17
F 18	22 17 36	2°42'05	29°57	18° 2	16°19	22°40	0°59	24°29	27°51	13°51	8°24	8°16	8°26	17°17	17° 4	F 18
S 19	22 21 32	3°40'15	12♌15	19°40	17°33	23°18	1° 4	24°26	27°51	13°52	8°24	8°17	8°23	17°24	17° 6	S 19
S 20	22 25 29	4°38'27	24°20	21°17	18°47	23°56	1°10	24°23	27°50	13°53	8°24	8°17	8°20	17°30	17° 9	S 20
M21	22 29 25	5°36'41	6♌17	22°53	20° 1	24°34	1°15	24°20	27°50	13°53	8°24	8°R17	8°17	17°37	17°11	M21
T 22	22 33 22	6°34'58	18°10	24°27	21°16	25°12	1°21	24°17	27°50	13°54	8°25	8°17	8°13	17°44	17°13	T 22
W23	22 37 18	7°33'16	0♌6	26° 0	22°30	25°50	1°27	24°15	27°49	13°55	8°25	8°17	8°10	17°50	17°15	W23
T 24	22 41 15	8°31'36	12° 3	27°33	23°44	26°29	1°33	24°12	27°49	13°55	8°25	8°D17	8° 7	17°57	17°17	T 24
F 25	22 45 12	9°29'59	24°12	29° 4	24°59	27° 7	1°39	24°10	27°49	13°56	8°25	8°17	8° 4	18° 4	17°19	F 25
S 26	22 49 8	10°28'23	6♌33	0♌34	26°13	27°45	1°46	24° 7	27°48	13°56	8°25	8°17	8° 1	18°11	17°21	S 26
S 27	22 53 5	11°26'49	19° 9	2° 2	27°27	28°23	1°52	24° 5	27°48	13°57	8°25	8°17	7°58	18°17	17°22	S 27
M28	22 57 1	12°25'18	2♍2	3°30	28°41	29° 1	1°59	24° 3	27°48	13°57	8°25	8°R17	7°54	18°24	17°24	M28
T 29	23 0 58	13°23'48	15°12	4°56	29°56	29°39	2° 6	24° 1	27°D48	13°57	8°25	8°17	7°51	18°31	17°25	T 29
W30	23 4 54	14°22'20	28°38	6°21	1♌10	0♍17	2°13	23°59	27°48	13°58	8°25	8°17	7°48	18°37	17°27	W30
T 31	23 8 51	15♍20'55	12♌19	7♌45	2♌24	0♍56	2♌20	23♌57	27♌48	13♌58	8°R25	8♍16	7♍45	18♌44	17♌28	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	16n 0	9n 7	0s12	17n28	1n46	14n29	1n26	18n24	1n 9	19s38	0n34	21s33	0s27	23s46	0s16	21n 4
W 2	15 43	5 13	1n 0	16 51	1 46	14 4	1 26	18 13	1 9	19 39	0 34	21 34	0 27	23 46	0 16	21 4
T 3	15 25	1 1	2 9	16 12	1 45	13 38	1 26	18 2	1 9	19 39	0 34	21 34	0 27	23 46	0 16	21 4
F 4	15 7	3s18	3 13	15 32	1 43	13 12	1 26	17 51	1 9	19 40	0 34	21 35	0 27	23 46	0 16	21 4
S 5	14 49	7 30	4 6	14 52	1 41	12 46	1 26	17 40	1 9	19 41	0 34	21 36	0 27	23 46	0 16	21 5
S 6	14 30	11 22	4 47	14 10	1 39	12 20	1 26	17 29	1 9	19 42	0 33	21 37	0 27	23 46	0 16	21 5
M 7	14 12	14 38	5 10	13 28	1 36	11 53	1 26	17 18	1 9	19 43	0 33	21 37	0 27	23 46	0 16	21 5
T 8	13 53	17 4	5 15	12 45	1 32	11 26	1 26	17 6	1 9	19 44	0 33	21 38	0 27	23 46	0 16	21 5
W 9	13 34	18 27	5 1	12 2	1 28	10 58	1 26	16 55	1 9	19 45	0 33	21 39	0 27	23 46	0 16	21 5
T 10	13 14	18 39	4 27	11 18	1 24	10 30	1 25	16 43	1 9	19 46	0 33	21 40	0 27	23 46	0 16	21 5
F 11	12 55	17 37	3 36	10 34	1 19	10 2	1 25	16 31	1 10	19 47	0 32	21 40	0 27	23 46	0 16	21 5
S 12	12 35	15 27	2 32	9 49	1 14	9 34	1 25	16 20	1 10	19 48	0 32	21 41	0 27	23 46	0 16	21 5
S 13	12 15	12 23	1 19	9 4	1 9	9 5	1 24	16 8	1 10	19 49	0 32	21 42	0 27	23 46	0 16	21 5
M14	11 55	8 40	0 3	8 19	1 3	8 37	1 23	15 56	1 10	19 50	0 32	21 42	0 27	23 46	0 16	21 5
T 15	11 35	4 34	1s12	7 34	0 57	8 8	1 23	15 43	1 10	19 51	0 32	21 43	0 27	23 46	0 16	21 5
W16	11 14	0 21	2 20	6 49	0 51	7 38	1 22	15 31	1 10	19 52	0 31	21 44	0 28	23 46	0 16	21 5
T 17	10 53	3n46	3 20	6 4	0 44	7 9	1 21	15 19	1 10	19 54	0 31	21 44	0 28	23 46	0 16	21 5
F 18	10 33	7 36	4 9	5 19	0 38	6 39	1 20	15 6	1 10	19 55	0 31	21 45	0 28	23 46	0 16	21 5
S 19	10 12	11 2	4 45	4 34	0 31	6 9	1 20	14 54	1 10	19 56	0 31	21 45	0 28	23 46	0 16	21 6
S 20	9 50	13 56	5 8	3 50	0 24	5 9	1 19	14 41	1 10	19 57	0 31	21 46	0 28	23 46	0 16	21 6
M21	9 29	16 13	5 17	3 5	0 16	5 9	1 18	14 28	1 10	19 59	0 30	21 46	0 28	23 46	0 16	21 6
T 22	9 7	17 48	5 12	2 21	0 9	4 39	1 16	14 16	1 10	20 0	0 30	21 47	0 28	23 46	0 16	21 6
W23	8 46	18 36	4 55	1 37	0 1	4 8	1 15	14 3	1 10	20 2	0 30	21 47	0 28	23 46	0 16	21 6
T 24	8 24	18 35	4 24	0 53	0s 6	3 38	1 14	13 50	1 10	20 3	0 30	21 48	0 28	23 46	0 16	21 6
F 25	8 2	17 43	3 41	0 10	0 14	3 7	1 13	13 37	1 10	20 4	0 30	21 48	0 28	23 46	0 16	21 6
S 26	7 40	16 0	2 47	0s33	0 22	2 36	1 12	13 23	1 10	20 6	0 29	21 49	0 28	23 46	0 16	21 6
S 27	7 18	13 29	1 44	1 16	0 29	2 5	1 10	13 10	1 10	20 7	0 29	21 49	0 28	23 46	0 16	21 6
M28	6 55	10 15	0 35	1 58	0 37	1 34	1 9	12 57	1 10	20 9	0 29	21 50	0 28	23 46	0 16	21 6
T 29	6 33	6 26	0n38	2 40	0 45	1 3	1 7	12 43	1 10	20 11	0 29	21 50	0 28	23 46	0 16	21 6
W30	6 10	2 14	1 50	3 21	0 53	0 32	1 6	12 30	1 10	20 12	0 29	21 51	0 28	23 46	0 16	21 6
T 31	5n48	2s 9	2n58	4s 1	1s 1	0n 1	1n 4	12n16	1n10	20s14	0n28	21s51	0s28	23s46	0s16	21n 6

Julian Day Number = 2233350.5, Delta T = 07m49s

Ecliptic obliquity = 23°30'52, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°24'23, Lahiri = 15°31'24 Julian Calendar 1 Aug. 1402 == Greg. Calendar 10 Aug. 1402

ASTRODIENST EPHEMERIS for the year 1402

geocentric

SEPTEMBER 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 12 47	16 ¹¹ 19'31	26 ¹¹ 12	9 ¹¹ 8	3 ¹¹ 38	1 ¹¹ 34	2 ¹¹ 27	23°R55	27 ¹¹ 48	13 ¹¹ 58	8°R25	8°R16	7 ¹¹ 42	18 ¹¹ 51	17 ¹¹ 30	F 1
S 2	23 16 44	17°18'08	10 ¹¹ 15	10°30	4°53	2°12	2°35	23 ¹¹ 53	27°48	13°58	8 ¹¹ 25	8 ¹¹ 15	7°39	18°58	17°31	S 2
S 3	23 20 41	18°16'48	24°24	11°50	6° 7	2°50	2°42	23°51	27°49	13°59	8°25	8°14	7°35	19° 4	17°32	S 3
M 4	23 24 37	19°15'29	8 ¹¹ 37	13° 9	7°21	3°28	2°50	23°50	27°49	13°59	8°25	8°13	7°32	19°11	17°33	M 4
T 5	23 28 34	20°14'12	22°50	14°26	8°35	4° 6	2°58	23°48	27°49	13°59	8°25	8°D13	7°29	19°18	17°34	T 5
W 6	23 32 30	21°12'57	7 ¹¹ 2	15°42	9°50	4°45	3° 6	23°47	27°50	13°59	8°25	8°13	7°26	19°25	17°35	W 6
T 7	23 36 27	22°11'43	21°10	16°56	11° 4	5°23	3°14	23°45	27°50	13°59	8°25	8°14	7°23	19°31	17°36	T 7
F 8	23 40 23	23°10'31	5 ¹¹ 12	18° 9	12°18	6° 1	3°22	23°44	27°50	13°59	8°25	8°15	7°19	19°38	17°37	F 8
S 9	23 44 20	24° 9'21	19° 5	19°20	13°32	6°39	3°30	23°43	27°51	13°R59	8°24	8°16	7°16	19°45	17°38	S 9
S 10	23 48 16	25° 8'13	2 ¹¹ 49	20°29	14°46	7°17	3°39	23°42	27°52	13°59	8°24	8°R17	7°13	19°51	17°39	S 10
M 11	23 52 13	26° 7'06	16°19	21°36	16° 1	7°55	3°47	23°41	27°52	13°59	8°24	8°17	7°10	19°58	17°39	M 11
T 12	23 56 9	27° 6'02	29°36	22°42	17°15	8°33	3°56	23°40	27°53	13°59	8°24	8°16	7° 7	20° 5	17°40	T 12
W 13	0 0 6	28° 5'00	12 ¹¹ 37	23°45	18°29	9°12	4° 5	23°40	27°54	13°59	8°23	8°14	7° 4	20°12	17°40	W 13
T 14	0 4 3	29° 3'59	25°22	24°45	19°43	9°50	4°14	23°39	27°54	13°59	8°23	8°11	7° 0	20°18	17°40	T 14
F 15	0 7 59	0 ¹¹ 3'01	7 ¹¹ 52	25°43	20°57	10°28	4°23	23°38	27°55	13°59	8°23	8° 7	6°57	20°25	17°41	F 15
S 16	0 11 56	1° 2'06	20° 8	26°38	22°12	11° 6	4°32	23°38	27°56	13°58	8°22	8° 4	6°54	20°32	17°41	S 16
S 17	0 15 52	2° 1'12	2 ¹¹ 13	27°30	23°26	11°44	4°42	23°38	27°57	13°58	8°22	8° 1	6°51	20°38	17°41	S 17
M 18	0 19 49	3° 0'21	14° 9	28°19	24°40	12°22	4°51	23°37	27°58	13°58	8°22	7°58	6°48	20°45	17°R41	M 18
T 19	0 23 45	3°59'32	26° 2	29° 4	25°54	13° 0	5° 0	23°37	27°59	13°57	8°21	7°57	6°44	20°52	17°41	T 19
W 20	0 27 42	4°58'46	7 ¹¹ 55	29°45	27° 8	13°39	5°10	23°D37	28° 0	13°57	8°21	7°D56	6°41	20°59	17°41	W 20
T 21	0 31 38	5°58'02	19°53	0 ¹¹ 22	28°22	14°17	5°20	23°37	28° 1	13°57	8°20	7°57	6°38	21° 5	17°41	T 21
F 22	0 35 35	6°57'20	2 ¹¹ 2	0°54	29°37	14°55	5°30	23°38	28° 2	13°56	8°20	7°59	6°35	21°12	17°40	F 22
S 23	0 39 32	7°56'41	14°25	1°21	0 ¹¹ 51	15°33	5°40	23°38	28° 4	13°56	8°20	8° 1	6°32	21°19	17°40	S 23
S 24	0 43 28	8°56'04	27° 7	1°43	2° 5	16°11	5°50	23°38	28° 5	13°55	8°19	8° 2	6°29	21°25	17°39	S 24
M 25	0 47 25	9°55'29	10 ¹¹ 10	1°58	3°19	16°50	6° 0	23°39	28° 6	13°55	8°19	8°R 2	6°25	21°32	17°39	M 25
T 26	0 51 21	10°54'56	23°36	2° 7	4°33	17°28	6°10	23°39	28° 7	13°54	8°18	8° 1	6°22	21°39	17°38	T 26
W 27	0 55 18	11°54'25	7 ¹¹ 24	2°R 8	5°47	18° 6	6°21	23°40	28° 9	13°54	8°17	7°59	6°19	21°46	17°38	W 27
T 28	0 59 14	12°53'57	21°32	2° 2	7° 1	18°44	6°31	23°41	28°10	13°53	8°17	7°54	6°16	21°52	17°37	T 28
F 29	1 3 11	13°53'31	5 ¹¹ 54	1°48	8°16	19°22	6°42	23°41	28°12	13°52	8°16	7°49	6°13	21°59	17°36	F 29
S 30	1 7 7	14 ¹¹ 53'06	20 ¹¹ 25	1 ¹¹ 25	9 ¹¹ 30	20 ¹¹ 1	6 ¹¹ 52	23 ¹¹ 42	28 ¹¹ 13	13 ¹¹ 52	8 ¹¹ 16	7 ¹¹ 43	6 ¹¹ 10	22 ¹¹ 6	17 ¹¹ 35	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	decl	lat
F 1	5n25	6s29	3n55	4s41	1s 9	0s30	1n 2	12n 3	1n10	20s15	0n28	21s51	0s28	23s46	0s16	21n 6	1s28	11n48	10s 6	8n30	8n43	18n 1	17n49	5s 8			
S 2	5 2	10 31	4 40	5 21	1 17	1 1	1 1	11 49	1 10	20 17	0 28	21 52	0 28	23 46	0 16	21 6	1 28	11 48	10 6	8 30	8 44	18 2	17 48	5 9			
S 3	4 39	13 58	5 7	6 0	1 25	1 32	0 59	11 35	1 10	20 19	0 28	21 52	0 28	23 46	0 16	21 6	1 28	11 48	10 6	8 31	8 45	18 2	17 48	5 9			
M 4	4 16	16 36	5 16	6 38	1 33	2 3	0 57	11 21	1 10	20 20	0 28	21 52	0 28	23 46	0 16	21 6	1 28	11 48	10 6	8 31	8 46	18 3	17 47	5 10			
T 5	3 53	18 13	5 6	7 15	1 41	2 34	0 55	11 7	1 10	20 22	0 28	21 53	0 28	23 46	0 16	21 6	1 28	11 47	10 7	8 31	8 47	18 4	17 47	5 10			
W 6	3 30	18 43	4 37	7 52	1 48	3 5	0 53	10 53	1 10	20 24	0 27	21 53	0 29	23 46	0 16	21 6	1 28	11 47	10 7	8 31	8 49	18 4	17 47	5 11			
T 7	3 6	18 1	3 52	8 28	1 56	3 36	0 51	10 39	1 10	20 25	0 27	21 53	0 29	23 46	0 16	21 6	1 28	11 47	10 7	8 30	8 50	18 5	17 46	5 11			
F 8	2 43	16 14	2 53	9 3	2 4	4 7	0 49	10 25	1 10	20 27	0 27	21 53	0 29	23 46	0 16	21 6	1 28	11 47	10 7	8 30	8 51	18 6	17 46	5 12			
S 9	2 20	13 30	1 44	9 37	2 11	4 38	0 47	10 11	1 10	20 29	0 27	21 54	0 29	23 46	0 16	21 5	1 28	11 47	10 7	8 30	8 52	18 6	17 45	5 12			
S 10	1 56	10 2	0 30	10 10	2 18	5 9	0 45	9 57	1 10	20 31	0 27	21 54	0 29	23 46	0 16	21 5	1 28	11 46	10 7	8 29	8 53	18 7	17 45	5 13			
M 11	1 33	6 6	0s44	10 42	2 25	5 40	0 43	9 42	1 10	20 32	0 27	21 54	0 29	23 46	0 16	21 5	1 28	11 46	10 8	8 29	8 54	18 8	17 44	5 13			
T 12	1 9	1 55	1 55	11 12	2 32	6 10	0 40	9 28	1 10	20 34	0 26	21 54	0 29	23 46	0 16	21 5	1 28	11 46	10 8	8 30	8 56	18 8	17 44	5 14			
W 13	0 46	2n16	2 58	11 42	2 39	6 41	0 38	9 14	1 10	20 36	0 26	21 54	0 29	23 46	0 16	21 5	1 28	11 46	10 8	8 31	8 57	18 9	17 43	5 14			
T 14	0 22	6 15	3 51	12 10	2 45	7 11	0 36	8 59	1 10	20 38	0 26	21 55	0 29	23 46	0 16	21 5	1 28	11 46	10 8	8 32	8 58	18 10	17 43	5 15			
F 15	0s 1	9 53	4 32	12 37	2 51	7 41	0 34	8 45	1 10	20 40	0 26	21 55	0 29	23 46	0 16	21 5	1 28	11 45	10 8	8 33	8 59	18 11	17 42	5 15			
S 16	0 25	13 2	4 59	13 3	2 57	8 11	0 31	8 30	1 10	20 42	0 26	21 55	0 29	23 46	0 16	21 5	1 28	11 45	10 8	8 34	9 0	18 11	17 42	5 16			
S 17	0 48	15 34	5 12	13 27	3 2	8 41	0 29	8 15	1 10	20 43	0 26	21 55	0 29	23 46	0 16	21 5	1 29	11 45	10 9	8 35	9 2	18 12	17 41	5 16			
M 18	1 12	17 24	5 12	13 49	3 7	9 11	0 26	8 1	1 10	20 45	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 45	10 9	8 36	9 3	18 13	17 41	5 17			
T 19	1 36	18 29	4 59	14 9	3 11	9 40	0 24	7 46	1 10	20 47	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 44	10 9	8 37	9 4	18 13	17 40	5 18			
W 20	1 59	18 45	4 32	14 28	3 15	10 9	0 21	7 31	1 10	20 49	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 44	10 9	8 37	9 5	18 14	17 40	5 18			
T 21	2 23	18 11	3 54	14 44	3 19	10 38	0 19	7 16	1 10	20 51	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 44	10 9	8 37	9 6	18 14	17 39	5 19			
F 22	2 46	16 46	3 5	14 58	3 21	11 7	0 16	7 2	1 10	20 53	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 44	10 9	8 36	9 7	18 15	17 39	5 19			
S 23	3 10	14 33	2 6	15 9	3 23	11 36	0 14	6 47	1 9	20 55	0 25	21 55	0 29	23 46	0 16	21 5	1 29	11 44	10 10	8 36	9 9	18 16	17 38	5 20			
S 24	3 33	11 35	0 59	15 17	3 24	12 4	0 11	6 32	1 9	20 57	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 43	10 10	8 35	9 10	18 16	17 38	5 20			
M 25	3 57	7 58	0n12	15 23	3 24	12 32	0 8	6 17	1 9	20 59	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 43	10 10	8 35	9 11	18 17	17 37	5 21			
T 26	4 20	3 50	1 24	15 25	3 23	12 59	0 6	6 2	1 9	21 1	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 43	10 10	8 35	9 12	18 18	17 36	5 21			
W 27	4 43	0s36	2 33	15 23	3 21	13 27	0 3	5 47	1 9	21 2	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 43	10 10	8 36	9 13	18 18	17 36	5 22			
T 28	5 7	5 6	3 35	15 18	3 17	13 54	0 0	5 32	1 9	21 4	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 42	10 10	8 38	9 14	18 19	17 35	5 22			
F 29	5 30	9 23	4 24	15 8	3 12	14 21	0s 2	5 17	1 9	21 6	0 24	21 55	0 29	23 46	0 16	21 4	1 29	11 42	10 10	8 40	9 16	18 20	17 35	5 23			
S 30	5s53	13s 9	4n56	14s54	3s 5	14s47	0s 5	5n 2	1n 9	21s 8	0n24	21s55	0s29	23s46	0s16	21n 4	1s29	11n42	10s11	8n42	9n17	18n20	17n34	5s23			

ASTRODIENST EPHEMERIS for the year 1402

geocentric

OCTOBER 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 11 4	15°52'44	4°59	0°R54	10M.44	20M.39	7°3	23°34	28°15	13°R51	8°R15	7°R38	6°M 6	22°12	17°R34	S 1
M 2	1 15 1	16°52'23	19°29	0M.14	11°58	21°17	7°14	23°45	28°17	13°R50	8°R14	7°M34	6° 3	22°19	17°R33	M 2
T 3	1 18 57	17°52'04	3°50	29°26	13°12	21°55	7°25	23°46	28°18	13°49	8°14	7°31	6° 0	22°26	17°32	T 3
W 4	1 22 54	18°51'47	18° 0	28°30	14°26	22°33	7°36	23°47	28°20	13°49	8°13	7°D30	5°57	22°33	17°30	W 4
T 5	1 26 50	19°51'32	1°57	27°26	15°40	23°12	7°47	23°49	28°22	13°48	8°12	7°31	5°54	22°39	17°29	T 5
F 6	1 30 47	20°51'18	15°40	26°17	16°54	23°50	7°58	23°50	28°24	13°47	8°12	7°32	5°50	22°46	17°28	F 6
S 7	1 34 43	21°51'06	29°11	25° 4	18° 8	24°28	8°10	23°52	28°26	13°46	8°11	7°33	5°47	22°53	17°26	S 7
S 8	1 38 40	22°50'55	12°29	23°48	19°22	25° 6	8°21	23°54	28°28	13°45	8°10	7°R33	5°44	23° 0	17°25	S 8
M 9	1 42 36	23°50'47	25°35	22°32	20°36	25°44	8°32	23°56	28°30	13°44	8° 9	7°32	5°41	23° 6	17°23	M 9
T 10	1 46 33	24°50'40	8°29	21°18	21°50	26°23	8°44	23°58	28°32	13°43	8° 9	7°28	5°38	23°13	17°21	T 10
W11	1 50 29	25°50'35	21°12	20° 9	23° 4	27° 1	8°55	24° 0	28°34	13°42	8° 8	7°22	5°35	23°20	17°20	W11
T 12	1 54 26	26°50'32	3°44	19° 6	24°18	27°39	9° 7	24° 2	28°36	13°41	8° 7	7°14	5°31	23°26	17°18	T 12
F 13	1 58 23	27°50'31	16° 5	18°12	25°32	28°17	9°19	24° 4	28°38	13°40	8° 6	7° 4	5°28	23°33	17°16	F 13
S 14	2 2 19	28°50'32	28°16	17°28	26°46	28°56	9°31	24° 6	28°40	13°39	8° 5	6°54	5°25	23°40	17°14	S 14
S 15	2 6 16	29°50'35	10°17	16°55	28° 0	29°34	9°43	24° 9	28°42	13°38	8° 4	6°44	5°22	23°47	17°12	S 15
M16	2 10 12	0M.50'40	22°12	16°33	29°14	0°12	9°55	24°11	28°45	13°37	8° 3	6°36	5°19	23°53	17°10	M16
T 17	2 14 9	1°50'48	4°3	16°D23	0°28	0°50	10° 7	24°14	28°47	13°36	8° 3	6°30	5°16	24° 0	17° 7	T 17
W18	2 18 5	2°50'57	15°54	16°24	1°42	1°29	10°19	24°17	28°49	13°34	8° 2	6°26	5°12	24° 7	17° 5	W18
T 19	2 22 2	3°51'09	27°49	16°36	2°56	2° 7	10°31	24°20	28°52	13°33	8° 1	6°24	5° 9	24°13	17° 3	T 19
F 20	2 25 58	4°51'22	9°54	16°58	4°10	2°45	10°43	24°22	28°54	13°32	8° 0	6°D24	5° 6	24°20	17° 1	F 20
S 21	2 29 55	5°51'38	22°14	17°30	5°23	3°23	10°56	24°25	28°57	13°31	7°59	6°25	5° 3	24°27	16°58	S 21
S 22	2 33 52	6°51'56	4°54	18°11	6°37	4° 2	11° 8	24°29	28°59	13°29	7°58	6°R25	5° 0	24°34	16°56	S 22
M23	2 37 48	7°52'15	17°58	18°59	7°51	4°40	11°20	24°32	29° 2	13°28	7°57	6°25	4°56	24°40	16°53	M23
T 24	2 41 45	8°52'37	1°29	19°54	9° 5	5°18	11°33	24°35	29° 4	13°27	7°56	6°22	4°53	24°47	16°50	T 24
W25	2 45 41	9°53'00	15°28	20°55	10°19	5°57	11°45	24°38	29° 7	13°26	7°55	6°17	4°50	24°54	16°48	W25
T 26	2 49 38	10°53'26	29°53	22° 2	11°33	6°35	11°58	24°42	29° 9	13°24	7°54	6° 9	4°47	25° 0	16°45	T 26
F 27	2 53 34	11°53'53	14°38	23°12	12°46	7°13	12°11	24°45	29°12	13°23	7°53	5°59	4°44	25° 7	16°42	F 27
S 28	2 57 31	12°54'22	29°36	24°27	14° 0	7°52	12°24	24°49	29°15	13°21	7°52	5°49	4°41	25°14	16°39	S 28
S 29	3 1 27	13°54'52	14°37	25°45	15°14	8°30	12°36	24°53	29°18	13°20	7°51	5°38	4°37	25°21	16°36	S 29
M30	3 5 24	14°55'24	29°31	27° 6	16°28	9° 8	12°49	24°56	29°20	13°19	7°50	5°30	4°34	25°27	16°33	M30
T 31	3 9 21	15°55'58	14°31	28°29	17°41	9°46	13°2	25°3	29°23	13°17	7°49	5°M24	4°M31	25°34	16°30	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	6s16	16s 7	5n10	14s35	2s57	15s13	0s 8	4n46	1n 9	21s10	0n23	21s54	0s29	23s46	0s16	21n 4
M 2	6 39	18 3	5 4	14 12	2 47	15 39	0 11	4 31	1 9	21 12	0 23	21 54	0 29	23 46	0 16	21 4
T 3	7 2	18 49	4 38	13 44	2 35	16 4	0 13	4 16	1 9	21 14	0 23	21 54	0 29	23 46	0 16	21 3
W 4	7 25	18 24	3 56	13 11	2 22	16 29	0 16	4 1	1 9	21 16	0 23	21 54	0 29	23 46	0 16	21 3
T 5	7 47	16 51	3 1	12 34	2 6	16 53	0 19	3 46	1 9	21 18	0 23	21 54	0 30	23 46	0 16	21 3
F 6	8 10	14 21	1 56	11 52	1 49	17 17	0 22	3 30	1 8	21 20	0 23	21 53	0 30	23 46	0 16	21 3
S 7	8 32	11 5	0 45	11 8	1 31	17 41	0 25	3 15	1 8	21 22	0 23	21 53	0 30	23 46	0 16	21 3
S 8	8 55	7 19	0s27	10 22	1 11	18 4	0 27	3 0	1 8	21 24	0 22	21 53	0 30	23 46	0 16	21 3
M 9	9 17	3 14	1 36	9 35	0 51	18 26	0 30	2 44	1 8	21 26	0 22	21 53	0 30	23 46	0 16	21 3
T 10	9 39	0n57	2 39	8 48	0 30	18 49	0 33	2 29	1 8	21 28	0 22	21 52	0 30	23 46	0 16	21 2
W11	10 1	5 0	3 33	8 3	0 10	19 10	0 36	2 14	1 8	21 30	0 22	21 52	0 30	23 46	0 16	21 2
T 12	10 23	8 48	4 16	7 21	0n11	19 32	0 38	1 58	1 8	21 32	0 22	21 52	0 30	23 46	0 16	21 2
F 13	10 44	12 8	4 46	6 42	0 30	19 52	0 41	1 43	1 8	21 34	0 22	21 51	0 30	23 46	0 16	21 2
S 14	11 6	14 55	5 2	6 9	0 48	20 12	0 44	1 28	1 8	21 35	0 22	21 51	0 30	23 46	0 16	21 2
S 15	11 27	17 2	5 5	5 41	1 4	20 32	0 47	1 12	1 7	21 37	0 21	21 50	0 30	23 46	0 16	21 2
M16	11 48	18 23	4 54	5 19	1 19	20 51	0 49	0 57	1 7	21 39	0 21	21 50	0 30	23 46	0 16	21 1
T 17	12 9	18 56	4 31	5 3	1 32	21 10	0 52	0 41	1 7	21 41	0 21	21 50	0 30	23 46	0 16	21 1
W18	12 30	18 39	3 57	4 53	1 43	21 27	0 55	0 26	1 7	21 43	0 21	21 49	0 30	23 46	0 16	21 1
T 19	12 50	17 32	3 11	4 49	1 52	21 45	0 57	0 11	1 7	21 45	0 21	21 49	0 30	23 46	0 16	21 1
F 20	13 11	15 37	2 17	4 50	2 0	22 1	1 0	0s 5	1 7	21 47	0 21	21 48	0 30	23 46	0 16	21 1
S 21	13 31	12 58	1 15	4 57	2 6	22 18	1 2	0 20	1 7	21 49	0 21	21 48	0 30	23 46	0 16	21 1
S 22	13 51	9 37	0 8	5 8	2 11	22 33	1 5	0 35	1 6	21 51	0 21	21 47	0 30	23 46	0 16	21 0
M23	14 11	5 43	1n 1	5 23	2 14	22 48	1 8	0 51	1 6	21 52	0 20	21 47	0 30	23 46	0 16	21 0
T 24	14 30	1 23	2 9	5 43	2 16	23 2	1 10	1 6	1 6	21 54	0 20	21 46	0 30	23 46	0 16	21 0
W25	14 49	3s 9	3 12	6 5	2 17	23 16	1 13	1 22	1 6	21 56	0 20	21 45	0 30	23 46	0 16	21 0
T 26	15 8	7 39	4 5	6 30	2 16	23 29	1 15	1 37	1 6	21 58	0 20	21 45	0 30	23 46	0 16	21 0
F 27	15 27	11 47	4 42	6 57	2 15	23 41	1 17	1 52	1 6	22 0	0 20	21 44	0 30	23 46	0 16	20 59
S 28	15 46	15 14	5 1	7 27	2 13	23 52	1 20	2 8	1 5	22 1	0 20	21 44	0 30	23 46	0 16	20 59
S 29	16 4	17 41	4 59	7 58	2 10	24 3	1 22	2 23	1 5	22 3	0 20	21 43	0 30	23 46	0 16	20 59
M30	16 22	18 54	4 36	8 30	2 7	24 13	1 24	2 38	1 5	22 5	0 20	21 42	0 30	23 46	0 16	20 59
T 31	16s40	18s50	3n56	9s 4	2n 3	24s23	1s27	2s53	1n 5	22s 7	0n20	21s42	0s30	23s46	0s16	20n59

Julian Day Number = 2233411.5, Delta T = 07m49s

Ecliptic obliquity = 23°30'53", Nutation = - 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°24'32", Lahiri = 15°31'32" Julian Calendar 1 Oct. 1402 == Greg. Calendar 10 Oct. 1402

ASTRODIENST EPHEMERIS for the year 1402
geocentric

NOVEMBER 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 13 17	16 ¹⁶ 56'32	28 ³ 32	29 ⁵ 55	18 ⁸ 55	10 ¹² 25	13 ¹³ 15	25 ³ 4	29 ⁸ 26	13 ¹³ R16	7 ¹⁰ R48	5 ¹⁰ R20	4 ¹⁰ 28	25 ¹¹ 41	16 ¹⁰ R27	W 1
T 2	3 17 14	17 ¹⁷ 57'08	12 ² 31	1 ¹ 22	20 ⁹	11 ¹¹ 3	13 ¹³ 28	25 ⁸	29 ²⁹	13 ¹³ II14	7 ¹¹ 47	5 ¹⁰ D19	4 ¹⁰ 25	25 ⁵ 47	16 ¹¹ 24	T 2
F 3	3 21 10	18 ¹⁸ 57'45	26 ⁹	2 ² 50	21 ²³	11 ¹¹ 41	13 ¹³ 41	25 ¹²	29 ³²	13 ¹³ 13	7 ¹⁰ 46	5 ¹⁰ 19	4 ¹⁰ 21	25 ⁵ 54	16 ¹² 1	F 3
S 4	3 25 7	19 ¹⁹ 58'23	9 ¹ 28	4 ⁴ 19	22 ³⁶	12 ¹² 20	13 ¹³ 54	25 ¹⁷	29 ³⁵	13 ¹³ 11	7 ¹⁰ 45	5 ¹⁰ R19	4 ¹⁰ 18	26 ¹⁰	16 ¹⁷	S 4
S 5	3 29 3	20 ²⁰ 59'03	22 ²⁹	5 ⁵ 50	23 ⁵⁰	12 ¹² 58	14 ¹⁴ 7	25 ²¹	29 ³⁸	13 ¹³ 9	7 ¹⁰ 43	5 ¹⁰ 18	4 ¹⁰ 15	26 ⁸	16 ¹⁴	S 5
M 6	3 33 0	21 ²¹ 59'43	5 ⁵ 17	7 ⁷ 21	25 ³	13 ¹³ 36	14 ¹⁴ 20	25 ²⁵	29 ⁴¹	13 ¹³ 8	7 ¹⁰ 42	5 ¹⁰ 14	4 ¹⁰ 12	26 ¹⁴	16 ¹¹	M 6
T 7	3 36 56	23 ²³ 0'25	17 ¹⁷ 52	8 ⁸ 53	26 ¹⁷	14 ¹⁴ 15	14 ¹⁴ 34	25 ³⁰	29 ⁴⁴	13 ¹³ 6	7 ¹⁰ 41	5 ¹⁰ 8	4 ¹⁰ 9	26 ²¹	16 ⁸	T 7
W 8	3 40 53	24 ²⁴ 1'08	0 ⁰ 18	10 ¹⁰ 25	27 ²⁷ 30	14 ¹⁴ 53	14 ¹⁴ 47	25 ³⁴	29 ⁴⁷	13 ¹³ 5	7 ¹⁰ 40	4 ¹⁰ 59	4 ¹⁰ 6	26 ²⁸	16 ⁴	W 8
T 9	3 44 50	25 ²⁵ 1'52	12 ¹² 35	11 ¹¹ 57	28 ²⁸ 44	15 ¹⁵ 31	15 ¹⁵ 0	25 ³⁹	29 ⁵⁰	13 ¹³ 3	7 ¹⁰ 39	4 ¹⁰ 47	4 ¹⁰ 2	26 ³⁴	16 ¹	T 9
F 10	3 48 46	26 ²⁶ 2'37	24 ²⁴ 45	13 ¹³ 30	29 ²⁹ 57	16 ¹⁶ 10	15 ¹⁵ 13	25 ⁴³	29 ⁵³	13 ¹³ 2	7 ¹⁰ 38	4 ¹⁰ 33	3 ³ 59	26 ⁴¹	15 ⁵⁷	F 10
S 11	3 52 43	27 ²⁷ 3'24	6 ⁶ II48	15 ¹⁵ 3	1 ¹ 31	16 ¹⁶ 48	15 ¹⁵ 27	25 ⁴⁸	29 ⁵⁶	13 ¹³ 0	7 ¹⁰ 37	4 ¹⁰ 18	3 ³ 56	26 ⁴⁸	15 ⁵⁴	S 11
S 12	3 56 39	28 ²⁸ 4'12	18 ¹⁸ 45	16 ¹⁶ 37	2 ² 24	17 ¹⁷ 26	15 ¹⁵ 40	25 ⁵³	29 ⁵⁹	12 ¹² 58	7 ¹⁰ 36	4 ¹⁰ 4	3 ³ 53	26 ⁵⁵	15 ⁵⁰	S 12
M13	4 0 36	29 ²⁹ 5'02	0 ⁰ 37	18 ¹⁸ 10	3 ³ 38	18 ¹⁸ 5	15 ¹⁵ 53	25 ⁵⁸	0 ⁰ 3	12 ¹² 57	7 ¹⁰ 34	3 ³ 51	3 ³ 50	27 ¹	15 ⁴⁷	M13
T 14	4 4 32	0 ⁰ 5'52	12 ¹² 27	19 ¹⁹ 44	4 ⁴ 51	18 ¹⁸ 43	16 ¹⁶ 7	26 ³	0 ⁰ 6	12 ¹² 55	7 ¹⁰ 33	3 ³ 40	3 ³ 47	27 ⁸	15 ⁴³	T 14
W15	4 8 29	1 ¹ 6'45	24 ²⁴ 17	21 ²¹ 17	6 ⁶ 4	19 ¹⁹ 21	16 ¹⁶ 20	26 ⁸	0 ⁰ 9	12 ¹² 53	7 ¹⁰ 32	3 ³ 33	3 ³ 43	27 ¹⁵	15 ³⁹	W15
T 16	4 12 25	2 ² 7'38	6 ⁶ II11	22 ²² 51	7 ⁷ 18	20 ²⁰ 0	16 ¹⁶ 34	26 ¹³	0 ⁰ 12	12 ¹² 52	7 ¹⁰ 31	3 ³ 29	3 ³ 40	27 ²¹	15 ³⁶	T 16
F 17	4 16 22	3 ³ 8'33	18 ¹⁸ 13	24 ²⁴ 25	8 ⁸ 31	20 ²⁰ 38	16 ¹⁶ 47	26 ¹⁸	0 ⁰ 16	12 ¹² 50	7 ¹⁰ 30	3 ³ 27	3 ³ 37	27 ²⁸	15 ³²	F 17
S 18	4 20 19	4 ⁴ 9'29	0 ⁰ 19	25 ²⁵ 58	9 ⁹ 44	21 ²¹ 17	17 ¹⁷ 1	26 ²³	0 ⁰ 19	12 ¹² 48	7 ¹⁰ 29	3 ³ 26	3 ³ 34	27 ³⁵	15 ²⁸	S 18
S 19	4 24 15	5 ⁵ 10'26	13 ¹³ 3	27 ²⁷ 32	10 ¹⁰ 57	21 ²¹ 55	17 ¹⁷ 14	26 ²⁸	0 ⁰ 22	12 ¹² 47	7 ¹⁰ 28	3 ³ 26	3 ³ 31	27 ⁴¹	15 ²⁴	S 19
M20	4 28 12	6 ⁶ 11'25	26 ²⁶ 0	29 ²⁹ 6	12 ¹² 11	22 ²² 33	17 ¹⁷ 28	26 ³⁴	0 ⁰ 26	12 ¹² 45	7 ¹⁰ 26	3 ³ 25	3 ³ 27	27 ⁴⁸	15 ²¹	M20
T 21	4 32 8	7 ⁷ 12'25	9 ⁹ 26	0 ⁰ 40	13 ¹³ 24	23 ²³ 12	17 ¹⁷ 42	26 ³⁹	0 ⁰ 29	12 ¹² 43	7 ¹⁰ 25	3 ³ 22	3 ³ 24	27 ⁵⁵	15 ¹⁷	T 21
W22	4 36 5	8 ⁸ 13'26	23 ²³ 22	2 ² 14	14 ¹⁴ 37	23 ²³ 50	17 ¹⁷ 55	26 ⁴⁵	0 ⁰ 32	12 ¹² 42	7 ¹⁰ 24	3 ³ 17	3 ³ 21	28 ²	15 ¹³	W22
T 23	4 40 1	9 ⁹ 14'28	7 ⁷ II48	3 ³ 48	15 ¹⁵ 50	24 ²⁴ 28	18 ¹⁸ 9	26 ⁵⁰	0 ⁰ 36	12 ¹² 40	7 ¹⁰ 23	3 ³ 8	3 ³ 18	28 ⁸	15 ⁹	T 23
F 24	4 43 58	10 ¹⁰ 15'31	22 ²² 40	5 ⁵ 21	17 ¹⁷ 3	25 ²⁵ 7	18 ¹⁸ 23	26 ⁵⁶	0 ⁰ 39	12 ¹² 38	7 ¹⁰ 22	2 ² 58	3 ³ 15	28 ¹⁵	15 ⁵	F 24
S 25	4 47 54	11 ¹¹ 16'36	7 ⁷ 51	6 ⁶ 55	18 ¹⁸ 16	25 ²⁵ 45	18 ¹⁸ 36	27 ¹	0 ⁰ 43	12 ¹² 37	7 ¹⁰ 21	2 ² 46	3 ³ 12	28 ²²	15 ²	S 25
S 26	4 51 51	12 ¹² 17'41	23 ²³ 9	8 ⁸ 29	19 ¹⁹ 29	26 ²⁶ 24	18 ¹⁸ 50	27 ⁷	0 ⁰ 46	12 ¹² 35	7 ¹⁰ 19	2 ² 35	3 ³ 8	28 ²⁸	14 ⁵⁸	S 26
M27	4 55 48	13 ¹³ 18'47	8 ⁸ 32	10 ¹⁰ 4	20 ²⁰ 42	27 ²⁷ 2	19 ¹⁹ 4	27 ¹³	0 ⁰ 50	12 ¹² 33	7 ¹⁰ 18	2 ² 25	3 ³ 5	28 ³⁵	14 ⁵⁴	M27
T 28	4 59 44	14 ¹⁴ 19'53	23 ²³ 24	11 ¹¹ 38	21 ²¹ 55	27 ²⁷ 40	19 ¹⁹ 17	27 ¹⁹	0 ⁰ 53	12 ¹² 31	7 ¹⁰ 17	2 ² 17	3 ³ 2	28 ⁴²	14 ⁵⁰	T 28
W29	5 3 41	15 ¹⁵ 21'00	8 ⁸ 33	13 ¹³ 12	23 ²³ 7	28 ²⁸ 19	19 ¹⁹ 31	27 ²⁵	0 ⁰ 57	12 ¹² 30	7 ¹⁰ 16	2 ² 13	2 ² 59	28 ⁴⁹	14 ⁴⁶	W29
T 30	5 7 37	16 ¹⁶ 22'08	22 ²² 15	14 ¹⁴ 47	24 ²⁴ 30	28 ²⁸ 57	19 ¹⁹ 45	27 ³⁰	1 ¹ 3	12 ¹² 28	7 ¹⁰ 15	2 ² 11	2 ² 56	28 ⁵⁵	14 ⁴²	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	decl	lat
W 1	16s57	17s33	3n 2	9s38	1n58	24s31	1s29	3s 9	1n 5	22s 8	0n19	21s41	0s30	23s46	0s16	20n58	1s30	11n35	10s14	9n35	9n54	18n39	17n14	5s37			
T 2	17 14	15 13	1 58	10 13	1 53	24 39	1 31	3 24	1 5	22 10	0 19	21 40	0 30	23 46	0 16	20 58	1 30	11 35	10 14	9 36	9 55	18 39	17 13	5 38			
F 3	17 31	12 5	0 48	10 48	1 48	24 47	1 33	3 39	1 4	22 12	0 19	21 40	0 30	23 46	0 16	20 58	1 30	11 34	10 14	9 36	9 57	18 40	17 12	5 38			
S 4	17 47	8 23	0s22	11 24	1 42	24 53	1 35	3 54	1 4	22 14	0 19	21 39	0 30	23 46	0 16	20 58	1 30	11 34	10 14	9 35	9 58	18 40	17 12	5 38			
S 5	18 4	4 22	1 30	12 0	1 36	24 59	1 37	4 9	1 4	22 15	0 19	21 38	0 30	23 46	0 16	20 58	1 30	11 34	10 14	9 36	9 59	18 41	17 11	5 39			
M 6	18 19	0 13	2 31	12 35	1 30	25 4	1 39	4 24	1 4	22 17	0 19	21 37	0 30	23 46	0 16	20 57	1 30	11 34	10 14	9 37	10 0	18 41	17 11	5 39			
T 7	18 35	3n53	3 25	13 11	1 24	25 8	1 41	4 40	1 4	22 18	0 19	21 36	0 30	23 46	0 16	20 57	1 30	11 34	10 14	9 39	10 1	18 42	17 10	5 39			
W 8	18 50	7 45	4 7	13 46	1 17	25 12	1 43	4 55	1 3	22 20	0 19	21 36	0 31	23 46	0 16	20 57	1 30	11 33	10 14	9 43	10 2	18 43	17 9	5 39			
T 9	19 5	11 15	4 38	14 21	1 10	25 15	1 44	5 10	1 3	22 22	0 18	21 35	0 31	23 46	0 16	20 57	1 30	11 33	10 14	9 47	10 3	18 43	17 9	5 40			
F 10	19 20	14 14	4 55	14 56	1 4	25 17	1 46	5 25	1 3	22 23	0 18	21 34	0 31	23 46	0 16	20 57	1 30	11 33	10 14	9 52	10 5	18 44	17 8	5 40			
S 11	19 34	16 36	4 59	15 30	0 57	25 18	1 48	5 40	1 3	22 25	0 18	21 33	0 31	23 46	0 16	20 56	1 30	11 33	10 14	9 58	10 6	18 44	17 7	5 40			
S 12	19 48	18 13	4 50	16 3	0 50	25 19	1 49	5 54	1 2	22 26	0 18	21 32	0 31	23 46	0 16	20 56	1 30	11 33	10 14	10 3	10 7	18 45	17 7	5 41			
M13	20 1	19 3	4 28	16 36	0 43	25 18	1 51	6 9	1 2	22 28	0 18	21 31	0 31	23 46	0 16	20 56	1 30	11 33	10 14	10 8	10 8	18 45	17 6	5 41			
T 14	20 14	19 2	3 55	17 9	0 36	25 17	1 52	6 24	1 2	22 29	0 18	21 31	0 31	23 46	0 16	20 56	1 30	11 32	10 14	10 11	10 9	18 46	17 6	5 41			
W15	20 27	18 12	3 11	17 40	0 29	25 16	1 53	6 39	1 2	22 31	0 18	21 30	0 31	23 46	0 16	20 56	1 30	11 32	10 14	10 14	10 10	18 46	17 5	5 41			
T 16	20 39	16 33	2 19	18 11	0 22	25 13	1 55	6 54	1 1	22 32	0 18	21 29	0 31	23 46	0 16	20 55	1 30	11 32	10 14	10 16	10 12	18 46	17 4	5 42			
F 17	20 51	14 9	1 20	18 41	0 15	25 10	1 56	7 8	1 1	22 34	0 18	21 28	0 31	23 46	0 16	20 55	1 30	11 32	10 14	10 16	10 13	18 47	17 4	5 42			
S 18	21 3	11 6	0 16	19 11	0 8	25 6	1 57	7 23	1 1	22 35	0 18	21 27	0 31	23 46	0 16	20 55	1 30	11 32	10 14	10 17	10 14	18 47	17 3	5 42			
S 19	21 14	7 28	0n51	19 39	0 1	25 1	1 58	7 38	1 1	22 37	0 17	21 26	0 31	23 46	0 16	20 55	1 30	11 32	10 14	10 17	10 15	18 48	17 2	5 42			
M20	21 25	3 22	1 56	20 7	0s 6	24 46	1 59	7 52	1 0	22 38	0 17	21 25	0 31	23 46	0 16	20 55	1 30	11 31	10 14	10 17	10 16	18 48	17 2	5 42			
T 21	21 35	1s 1	2 58	20 33	0 12	24 59	2 0	8 7	1 0	22 39	0 17	21 24	0 31	23 46	0 16	20 54	1 30	11 31	10 14	10 18	10 17	18 49	17 1	5 43			
W22	21 45	5 31	3 51	20 59	0 19	24 42	2 1	8 21	1 0	22 41	0 17	21 23	0 31	23 46	0 16	20 54	1 30	11 31	10 14	10 20	10 19	18 49	17 1	5 43			
T 23	21 54	9 52	4 32	21 24	0 26	24 35	2 1	8 35	1 0	22 42	0 17	21 22	0 31	23 46	0 16	20 54	1 30	11 31	10 13	10 23	10 20	18 50	17 0	5 43			
F 24	22 3	13 44	4 56	21 47	0 32	24 26	2 2	8 50	0 59	22 43	0 17	21 21	0 31	23 46	0 16	20 54	1 30	11 31	10 13	10 27	10 21	18 50	17 0	5 43			
S 25	22 12	16 46	4 59	22 10	0 38	24 17	2 2	9 4	0 59	22 45	0 17	21 20	0 31	23 46	0 16	20 53	1 30	11 31	10 13	10 31	10 22	18 51	16 59	5 43			
S 26	22 20	18 39	4 42	22 31	0 45	24 7	2 3	9 18	0 59	22 46	0 17	21 19	0 31	23 46	0 16	20 53	1 30	11 31	10 13	10 35	10 23	18 51	16 59	5 43			
M27	22 28	19 11	4 4	22 52	0 51	23 57	2 3	9 32	0 58	22 47	0 17	21 18	0 31	23 46	0 16	20 53	1 30	11 31	10 13	10 39	10 24	18 52	16 58	5 44			
T 28	22 35	18 22	3 10	23 11	0 57	23 45	2 4	9 46	0 58	22 48	0 17	21 16	0 31	23 46	0 16	20 53	1 30	11 30	10 13	10 42	10 25	18 52	16 57	5 44			
W29	22 42	16 19	2 4	23 29	1 2	23 34	2 4	10 0	0 58	22 50	0 16	21 15	0 31	23 46	0 16	20 53	1 30	11 30	10 13	10 43	10 27	18 53	16 57	5 44			
T 30	22s49	13s19	0n52	23s46	1s 8	23s21	2s 4	10s14	0n57	22s51	0n16	21s14	0s31	23s46	0s16	20n52	1s30	11n30	10s13	10n44	10n28	18n53	16n56	5s44			

ASTRODIENST EPHEMERIS for the year 1402

geocentric

DECEMBER 1402 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 11 34	17°23'15	6°00	16°21	25°33	29°35	19°59	27°36	1°3	12°26	7°14	2°D11	2°53	29°2	14°R39	F 1
S 2	5 15 30	18°24'23	19°20	17°56	26°45	0°14	20°12	27°42	1°7	12°25	7°13	2°R11	2°49	29°9	14°I35	S 2
S 3	5 19 27	19°25'31	2°18	19°31	27°58	0°52	20°26	27°49	1°11	12°23	7°11	2°10	2°46	29°15	14°31	S 3
M 4	5 23 23	20°26'39	14°57	21°6	29°11	1°31	20°40	27°55	1°14	12°21	7°10	2°7	2°43	29°22	14°27	M 4
T 5	5 27 20	21°27'47	27°22	22°41	0°23	2°9	20°54	28°1	1°18	12°20	7°9	2°2	2°40	29°29	14°23	T 5
W 6	5 31 17	22°28'56	9°36	24°16	1°35	2°47	21°8	28°7	1°21	12°18	7°8	1°54	2°37	29°36	14°19	W 6
T 7	5 35 13	23°30'05	21°42	25°52	2°48	3°26	21°21	28°13	1°25	12°16	7°7	1°43	2°33	29°42	14°16	T 7
F 8	5 39 10	24°31'14	3°12	27°28	4°0	4°4	21°35	28°20	1°28	12°15	7°6	1°31	2°30	29°49	14°12	F 8
S 9	5 43 6	25°32'24	15°38	29°4	5°12	4°42	21°49	28°26	1°32	12°13	7°5	1°17	2°27	29°56	14°8	S 9
S 10	5 47 3	26°33'33	27°31	0°41	6°24	5°21	22°3	28°32	1°36	12°11	7°4	1°4	2°24	0°2	14°4	S 10
M 11	5 50 59	27°34'43	9°22	2°17	7°36	5°59	22°16	28°39	1°39	12°10	7°3	0°53	2°21	0°9	14°1	M 11
T 12	5 54 56	28°35'53	21°13	3°54	8°48	6°37	22°30	28°45	1°43	12°8	7°2	0°43	2°18	0°16	13°57	T 12
W 13	5 58 53	29°37'03	3°6	5°31	10°0	7°16	22°44	28°52	1°46	12°6	7°0	0°37	2°14	0°23	13°53	W 13
T 14	6 2 49	0°38'14	15°4	7°9	11°12	7°54	22°58	28°59	1°50	12°5	6°59	0°33	2°11	0°29	13°50	T 14
F 15	6 6 46	1°39'25	27°9	8°46	12°23	8°32	23°11	29°5	1°54	12°3	6°58	0°D31	2°8	0°36	13°46	F 15
S 16	6 10 42	2°40'36	9°25	10°24	13°35	9°11	23°25	29°12	1°57	12°2	6°57	0°32	2°5	0°43	13°42	S 16
S 17	6 14 39	3°41'47	21°58	12°2	14°47	9°49	23°39	29°18	2°1	12°0	6°56	0°33	2°2	0°49	13°39	S 17
M 18	6 18 35	4°42'58	4°50	13°41	15°58	10°28	23°52	29°25	2°4	11°59	6°55	0°R33	1°59	0°56	13°35	M 18
T 19	6 22 32	5°44'10	18°7	15°19	17°9	11°6	24°6	29°32	2°8	11°57	6°54	0°32	1°55	1°3	13°32	T 19
W 20	6 26 28	6°45'22	1°52	16°58	18°20	11°44	24°20	29°39	2°11	11°55	6°53	0°30	1°52	1°9	13°28	W 20
T 21	6 30 25	7°46'34	16°6	18°36	19°32	12°23	24°33	29°45	2°15	11°54	6°52	0°24	1°49	1°16	13°25	T 21
F 22	6 34 21	8°47'46	0°47	20°15	20°43	13°1	24°47	29°52	2°19	11°52	6°51	0°18	1°46	1°23	13°22	F 22
S 23	6 38 18	9°48'59	15°50	21°54	21°54	13°39	25°0	29°59	2°22	11°51	6°50	0°10	1°43	1°30	13°18	S 23
S 24	6 42 15	10°50'11	1°3	23°32	23°4	14°18	25°14	0°6	2°26	11°50	6°49	0°1	1°39	1°36	13°15	S 24
M 25	6 46 11	11°51'23	16°24	25°10	24°15	14°56	25°28	0°13	2°29	11°48	6°49	29°54	1°36	1°43	13°12	M 25
T 26	6 50 8	12°52'34	1°34	26°47	25°26	15°34	25°41	0°20	2°33	11°47	6°48	29°49	1°33	1°50	13°8	T 26
W 27	6 54 4	13°53'45	16°25	28°24	26°36	16°13	25°55	0°27	2°36	11°45	6°47	29°46	1°30	1°56	13°5	W 27
T 28	6 58 1	14°54'55	0°52	29°59	27°47	16°51	26°8	0°34	2°40	11°44	6°46	29°D46	1°27	2°3	13°2	T 28
F 29	7 1 57	15°56'05	14°50	1°34	28°57	17°29	26°21	0°41	2°44	11°43	6°45	29°46	1°24	2°10	12°59	F 29
S 30	7 5 54	16°57'13	28°20	3°7	0°7	18°7	26°35	0°48	2°47	11°41	6°44	29°48	1°20	2°17	12°56	S 30
S 31	7 9 51	17°58'21	11°25	4°38	1°17	18°46	26°48	0°55	2°51	11°40	6°43	29°49	1°17	2°23	12°53	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
F 1	22s55	9s39	0s20	24s 2	1s14	23s 8	2s 4	10s28	0n57	22s52	0n16	21s13	0s31	23s46	0s16	20n52	1s30	11n30	10s13	10n44	10n29	18n53	16n56	5s44	
S 2	23 0	5 36	1 30	24 16	1 19	22 54	2 4	10 42	0 57	22 53	0 16	21 12	0 31	23 46	0 16	20 52	1 30	11 30	10 13	10 44	10 30	18 54	16 55	5 44	
S 3	23 6	1 25	2 33	24 30	1 24	22 39	2 4	10 56	0 57	22 54	0 16	21 11	0 31	23 46	0 16	20 52	1 30	11 30	10 13	10 44	10 31	18 54	16 55	5 44	
M 4	23 10	2n44	3 26	24 41	1 29	22 24	2 3	11 9	0 56	22 55	0 16	21 10	0 31	23 46	0 16	20 52	1 30	11 30	10 13	10 45	10 32	18 55	16 54	5 44	
T 5	23 14	6 42	4 9	24 52	1 33	22 8	2 3	11 23	0 56	22 56	0 16	21 8	0 32	23 46	0 16	20 51	1 30	11 30	10 13	10 47	10 33	18 55	16 54	5 44	
W 6	23 18	10 19	4 40	25 1	1 38	21 51	2 2	11 37	0 55	22 57	0 16	21 7	0 32	23 46	0 16	20 51	1 30	11 30	10 13	10 50	10 35	18 56	16 53	5 44	
T 7	23 21	13 28	4 57	25 9	1 42	21 34	2 2	11 50	0 55	22 58	0 16	21 6	0 32	23 46	0 16	20 51	1 30	11 30	10 12	10 54	10 36	18 56	16 53	5 44	
F 8	23 24	16 1	5 2	25 15	1 46	21 17	2 1	12 3	0 55	22 59	0 16	21 5	0 32	23 46	0 16	20 51	1 30	11 30	10 12	10 58	10 37	18 56	16 53	5 44	
S 9	23 26	17 53	4 53	25 20	1 50	20 58	2 0	12 17	0 54	23 0	0 16	21 3	0 32	23 46	0 16	20 51	1 30	11 30	10 12	11 3	10 38	18 57	16 52	5 44	
S 10	23 28	18 59	4 31	25 24	1 53	20 40	2 0	12 30	0 54	23 1	0 15	21 2	0 32	23 46	0 16	20 50	1 30	11 29	10 12	11 8	10 39	18 57	16 52	5 44	
M 11	23 30	19 14	3 57	25 26	1 56	20 20	1 59	12 43	0 54	23 2	0 15	21 1	0 32	23 46	0 16	20 50	1 30	11 29	10 12	11 12	10 40	18 58	16 51	5 44	
T 12	23 30	18 39	3 14	25 26	1 59	20 0	1 58	12 56	0 53	23 3	0 15	21 0	0 32	23 46	0 16	20 50	1 30	11 29	10 12	11 15	10 41	18 58	16 51	5 44	
W 13	23 31	17 14	2 21	25 25	2 1	19 40	1 56	13 9	0 53	23 4	0 15	20 58	0 32	23 46	0 16	20 50	1 30	11 29	10 12	11 17	10 43	18 58	16 50	5 44	
T 14	23 31	15 4	1 22	25 22	2 3	19 19	1 55	13 22	0 53	23 5	0 15	20 57	0 32	23 46	0 16	20 50	1 30	11 29	10 12	11 19	10 44	18 59	16 50	5 44	
F 15	23 30	12 13	0 18	25 18	2 5	18 57	1 54	13 34	0 52	23 5	0 15	20 56	0 32	23 46	0 16	20 49	1 30	11 29	10 11	11 19	10 45	18 59	16 50	5 44	
S 16	23 29	8 48	0n48	25 12	2 7	18 35	1 52	13 47	0 52	23 6	0 15	20 54	0 32	23 46	0 16	20 49	1 30	11 29	10 11	11 19	10 46	19 0	16 49	5 44	
S 17	23 28	4 55	1 52	25 5	2 8	18 13	1 51	13 59	0 51	23 7	0 15	20 53	0 32	23 46	0 16	20 49	1 30	11 29	10 11	11 19	10 47	19 0	16 49	5 44	
M 18	23 26	0 43	2 53	24 56	2 8	17 50	1 49	14 12	0 51	23 8	0 15	20 52	0 32	23 46	0 16	20 49	1 30	11 29	10 11	11 19	10 48	19 0	16 49	5 44	
T 19	23 23	3s38	3 47	24 45	2 8	17 27	1 47	14 24	0 50	23 8	0 15	20 50	0 32	23 46	0 16	20 49	1 30	11 29	10 11	11 19	10 49	19 1	16 48	5 44	
W 20	23 20	7 57	4 30	24 33	2 8	17 3	1 45	14 37	0 50	23 9	0 15	20 49	0 32	23 45	0 16	20 49	1 30	11 29	10 11	11 20	10 51	19 1	16 48	5 44	
T 21	23 17	11 58	4 57	24 19	2 7	16 39	1 43	14 49	0 50	23 10	0 14	20 47	0 32	23 45	0 16	20 48	1 30	11 29	10 11	11 22	10 52	19 2	16 48	5 44	
F 22	23 13	15 23	5 7	24 3	2 6	16 14	1 41	15 1	0 49	23 10	0 14	20 46	0 32	23 45	0 16	20 48	1 30	11 29	10 10	11 24	10 53	19 2	16 47	5 44	
S 23	23 9	17 52	4 55	23 46	2 4	15 49	1 39	15 13	0 49	23 11	0 14	20 45	0 32	23 45	0 16	20 48	1 29	11 29	10 10	11 27	10 54	19 2	16 47	5 44	
S 24	23 4	19 7	4 23	23 27	2 1	15 23	1 37	15 25	0 48	23 12	0 14	20 43	0 32	23 45	0 16	20 48	1 29	11 29	10 10	11 30	10 55	19 3	16 47	5 43	
M 25	22 59	19 0	3 32	23 6	1 58	14 58	1 34	15 36	0 48	23 12	0 14	20 42	0 33	23 45	0 16	20 48	1 29	11 29	10 10	11 32	10 56	19 3	16 46	5 43	
T 26	22 53	17 30	2 26	22 44	1 54	14 31	1 32	15 48	0 47	23 13	0 14	20 40	0 33	23 45	0 16	20 48	1 29	11 29	10 10	11 34	10 57	19 3	16 46	5 43	
W 27	22 47	14 50	1 12	22 20	1 50	14 5	1 29	15 59	0 47	23 13	0 14	20 39	0 33	23 45	0 16	20 47	1 29	11 29	10 10	11 35	10 59	19 4	16 46	5 43	
T 28	22 41	11 18	0s 6	21 55	1 45	13 38	1 26	16 11	0 46	23 14	0 14	20 38	0 33	23 45	0 16	20 47	1 29	11 29	10 9	11 35	11 0	19 4	16 46	5 43	
F 29	22 34	7 14	1 21	21 29	1 39	13 11	1 24	16 22	0 46	23 14	0 14	20 36	0 33	23 45	0 16	20 47	1 29	11 29	10 9	11 35	11 1	19 4	16 46	5 43	
S 30	22 26	2 56	2 29	21 1	1 32	12 43	1 21	16 33	0 45	23 15	0 14	20 35	0 33	23 45	0 16	20 47	1 29	11 29	10 9	11 35	11 2	19 5	16 45	5 43	
S 31	22s18	1n22	3s26	20s32	1s24	12s16	1s18	16s44	0n45	23s15	0n14	20s33	0s33	23s45	0s16	20n47	1s29	11n29	10s 9	11n34	11n 3	19n 5	16n45	5s42	