



Astrodienst Ephemeris Tables for the year 1812

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 1812

geocentric

JANUARY 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 38 1	9°29'35	5°23	28°347	29°313	9°24	0°R 6	0°315	22°0	11°57	16°21	9°R43	11°12	23°35	23°18	W 1
T 2	6 41 58	10°30'44	17°44	29°32	0°28	10° 9	29°II59	0°22	22° 2	11°59	16°21	9°R38	11° 9	23°41	23°21	T 2
F 3	6 45 55	11°31'53	29°51	0°8	1°43	10°54	29°51	0°29	22° 5	12° 1	16°22	9°36	11° 6	23°48	23°24	F 3
S 4	6 49 51	12°33'03	11°47	0°35	2°58	11°39	29°43	0°36	22° 8	12° 3	16°23	9°D35	11° 2	23°55	23°28	S 4
S 5	6 53 48	13°34'12	23°36	0°52	4°13	12°24	29°35	0°43	22°11	12° 5	16°24	9°36	10°59	24° 1	23°31	S 5
M 6	6 57 44	14°35'21	5°23	0°R59	5°28	13° 9	29°28	0°50	22°13	12° 7	16°25	9°37	10°56	24° 8	23°35	M 6
T 7	7 1 41	15°36'30	17°15	0°54	6°43	13°54	29°20	0°57	22°16	12° 9	16°25	9°R37	10°53	24°15	23°38	T 7
W 8	7 5 37	16°37'40	29°15	0°37	7°58	14°39	29°13	1° 4	22°18	12°11	16°26	9°36	10°50	24°21	23°42	W 8
T 9	7 9 34	17°38'49	11°30	0° 9	9°13	15°24	29° 5	1°11	22°21	12°13	16°27	9°33	10°47	24°28	23°45	T 9
F 10	7 13 30	18°39'59	24° 3	29°329	10°27	16° 9	28°58	1°18	22°23	12°15	16°28	9°28	10°43	24°34	23°49	F 10
S 11	7 17 27	19°41'08	6°59	28°38	11°42	16°54	28°51	1°25	22°26	12°17	16°29	9°21	10°40	24°41	23°53	S 11
S 12	7 21 24	20°42'18	20°18	27°38	12°57	17°38	28°44	1°32	22°28	12°19	16°30	9°12	10°37	24°48	23°56	S 12
M13	7 25 20	21°43'27	4°3	26°30	14°12	18°23	28°37	1°38	22°31	12°21	16°31	9° 4	10°34	24°54	24° 0	M13
T 14	7 29 17	22°44'35	18° 5	25°16	15°27	19° 8	28°30	1°45	22°33	12°23	16°32	8°56	10°31	25° 1	24° 4	T 14
W15	7 33 13	23°45'44	2°25	23°58	16°42	19°53	28°23	1°52	22°35	12°25	16°33	8°50	10°28	25° 8	24° 8	W15
T 16	7 37 10	24°46'51	16°55	22°40	17°57	20°38	28°17	1°59	22°37	12°26	16°34	8°45	10°24	25°14	24°11	T 16
F 17	7 41 6	25°47'58	1°29	21°22	19°11	21°22	28°10	2° 5	22°40	12°28	16°35	8°44	10°21	25°21	24°15	F 17
S 18	7 45 3	26°49'04	16° 1	20° 9	20°26	22° 7	28° 4	2°12	22°42	12°30	16°36	8°D43	10°18	25°28	24°19	S 18
S 19	7 48 59	27°50'09	0°27	19° 1	21°41	22°52	27°58	2°19	22°44	12°32	16°37	8°45	10°15	25°34	24°23	S 19
M20	7 52 56	28°51'14	14°43	18° 0	22°55	23°37	27°52	2°25	22°46	12°33	16°38	8°46	10°12	25°41	24°27	M20
T 21	7 56 53	29°52'17	28°47	17° 7	24°10	24°21	27°46	2°32	22°48	12°35	16°40	8°R47	10° 8	25°48	24°31	T 21
W22	8 0 49	0°53'19	12°39	16°22	25°25	25° 6	27°40	2°38	22°50	12°37	16°41	8°46	10° 5	25°54	24°35	W22
T 23	8 4 46	1°54'20	26°18	15°47	26°39	25°51	27°34	2°45	22°52	12°38	16°42	8°44	10° 2	26° 1	24°39	T 23
F 24	8 8 42	2°55'20	9°II44	15°21	27°54	26°35	27°29	2°51	22°53	12°40	16°43	8°40	9°59	26° 8	24°43	F 24
S 25	8 12 39	3°56'19	22°58	15° 4	29° 8	27°20	27°24	2°58	22°55	12°42	16°44	8°34	9°56	26°14	24°47	S 25
S 26	8 16 35	4°57'17	5°59	14°55	0°23	28° 4	27°19	3° 4	22°57	12°43	16°46	8°28	9°53	26°21	24°51	S 26
M27	8 20 32	5°58'14	18°46	14°D55	1°37	28°49	27°14	3°11	22°59	12°45	16°47	8°22	9°49	26°28	24°55	M27
T 28	8 24 28	6°59'10	1°21	15° 2	2°52	29°33	27° 9	3°17	23° 0	12°46	16°48	8°17	9°46	26°34	24°59	T 28
W29	8 28 25	8° 0'05	13°44	15°16	4° 6	0°18	27° 4	3°23	23° 2	12°48	16°49	8°14	9°43	26°41	25° 3	W29
T 30	8 32 22	9° 0'58	25°55	15°37	5°21	1° 2	27° 0	3°29	23° 4	12°49	16°51	8°11	9°40	26°47	25° 7	T 30
F 31	8 36 18	10° 1'51	7°55	16°3	6°35	1°46	26°II56	3°36	23°5	12°51	16°52	8°D10	9°37	26°54	25°11	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23s 7	16n 9	2s52	21s11	0s47	21s47	1s29	8s50	0s51	23n16	0s11	22s35	0n53	18s 0	0n18	20s46
T 2	23 3	13 43	1 54	20 48	0 33	21 32	1 30	8 32	0 50	23 17	0 11	22 35	0 53	18 1	0 18	20 47
F 3	22 58	10 43	0 52	20 26	0 18	21 17	1 31	8 14	0 49	23 17	0 11	22 35	0 53	18 1	0 18	20 47
S 4	22 52	7 20	0n12	20 5	0 3	21 0	1 32	7 56	0 48	23 17	0 11	22 35	0 53	18 2	0 18	20 47
S 5	22 46	3 41	1 15	19 45	0n14	20 43	1 33	7 38	0 47	23 17	0 11	22 35	0 53	18 3	0 18	20 47
M 6	22 40	0s 5	2 14	19 26	0 32	20 26	1 34	7 20	0 46	23 17	0 10	22 35	0 52	18 3	0 18	20 48
T 7	22 33	3 52	3 8	19 10	0 50	20 8	1 34	7 2	0 45	23 17	0 10	22 35	0 52	18 4	0 18	20 48
W 8	22 26	7 33	3 55	18 55	1 9	19 49	1 35	6 43	0 44	23 17	0 10	22 35	0 52	18 5	0 18	20 48
T 9	22 18	10 59	4 32	18 42	1 28	19 30	1 35	6 25	0 43	23 17	0 10	22 35	0 52	18 5	0 18	20 48
F 10	22 10	14 0	4 57	18 32	1 47	19 10	1 36	6 7	0 42	23 18	0 10	22 35	0 52	18 6	0 18	20 49
S 11	22 1	16 27	5 7	18 24	2 5	18 50	1 36	5 48	0 41	23 18	0 10	22 35	0 52	18 6	0 18	20 49
S 12	21 52	18 5	5 2	18 19	2 23	18 29	1 36	5 30	0 40	23 18	0 10	22 35	0 52	18 7	0 18	20 49
M13	21 42	18 45	4 39	18 16	2 39	18 8	1 37	5 11	0 39	23 18	0 9	22 35	0 52	18 8	0 18	20 49
T 14	21 32	18 17	3 59	18 16	2 53	17 46	1 37	4 53	0 38	23 18	0 9	22 35	0 52	18 8	0 18	20 49
W15	21 22	16 39	3 4	18 17	3 5	17 23	1 37	4 34	0 37	23 18	0 9	22 35	0 52	18 9	0 18	20 50
T 16	21 11	13 57	1 55	18 21	3 15	17 0	1 37	4 16	0 36	23 18	0 9	22 35	0 52	18 9	0 18	20 50
F 17	21 0	10 21	0 39	18 26	3 23	16 37	1 37	3 57	0 35	23 18	0 9	22 35	0 52	18 10	0 18	20 50
S 18	20 49	6 8	0s40	18 32	3 27	16 13	1 37	3 39	0 34	23 18	0 9	22 35	0 52	18 11	0 18	20 50
S 19	20 37	1 35	1 55	18 39	3 30	15 49	1 37	3 20	0 33	23 18	0 8	22 34	0 52	18 11	0 18	20 50
M20	20 24	2n59	3 3	18 47	3 30	15 24	1 36	3 1	0 32	23 18	0 8	22 34	0 52	18 12	0 18	20 51
T 21	20 12	7 20	3 59	18 56	3 28	14 59	1 36	2 43	0 31	23 18	0 8	22 34	0 52	18 12	0 18	20 51
W22	19 59	11 12	4 40	19 5	3 24	14 34	1 36	2 24	0 30	23 18	0 8	22 34	0 52	18 13	0 18	20 51
T 23	19 45	14 25	5 4	19 15	3 18	14 8	1 35	2 6	0 29	23 19	0 8	22 34	0 52	18 13	0 18	20 51
F 24	19 31	16 48	5 11	19 25	3 11	13 42	1 35	1 47	0 28	23 19	0 8	22 34	0 52	18 13	0 18	20 51
S 25	19 17	18 15	5 2	19 35	3 3	13 15	1 34	1 28	0 27	23 19	0 8	22 34	0 52	18 14	0 18	20 52
S 26	19 3	18 43	4 37	19 45	2 54	12 48	1 33	1 10	0 26	23 19	0 7	22 34	0 52	18 14	0 18	20 52
M27	18 48	18 13	3 58	19 54	2 44	12 21	1 32	0 51	0 25	23 19	0 7	22 34	0 52	18 15	0 18	20 52
T 28	18 33	16 49	3 8	20 4	2 34	11 53	1 32	0 33	0 24	23 19	0 7	22 34	0 52	18 15	0 18	20 52
W29	18 17	14 38	2 10	20 13	2 23	11 25	1 31	0 14	0 23	23 19	0 7	22 33	0 52	18 16	0 18	20 52
T 30	18 1	11 51	1 7	20 21	2 13	10 57	1 30	0n 4	0 22	23 19	0 7	22 33	0 52	18 16	0 18	20 52
F 31	17s45	8n35	0s 1	20s29	2n 1	10s28	1s29	0n23	0s21	23n19	0s 7	22s33	0n52	18s16	0n18	20s52

Julian Day Number = 2382878.5, Delta T = 15.37 sec
 Ecliptic obliquity = 23°27'40, Nutation = - 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°06'55, Lahiri = 21°13'55

ASTRODIENST EPHEMERIS for the year 1812

FEBRUARY 1812

00:00 UT

Day	Sid.t	☉	☽	♈	♀	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Day
S 1	8 40 15	11≈ 2'43	19♐49	16♊36	7♋49	2♌31	26♌52	3♊42	23♌ 6	12♌52	16♋53	8♐11	9♐34	27♐ 1	25≈15	S 1
S 2	8 44 11	12° 3'34	1♊37	17°13	9° 4	3°15	26♐48	3°48	23° 8	12°53	16°55	8°13	9°30	27° 7	25°19	S 2
M 3	8 48 8	13° 4'24	13°25	17°55	10°18	3°59	26°44	3°54	23° 9	12°55	16°56	8°14	9°27	27°14	25°23	M 3
T 4	8 52 4	14° 5'13	25°16	18°41	11°32	4°44	26°41	4° 0	23°11	12°56	16°57	8°16	9°24	27°21	25°27	T 4
W 5	8 56 1	15° 6'01	7♌15	19°31	12°46	5°28	26°38	4° 6	23°12	12°57	16°59	8°17	9°21	27°27	25°32	W 5
T 6	8 59 57	16° 6'48	19°27	20°24	14° 0	6°12	26°34	4°12	23°13	12°59	17° 0	8°R17	9°18	27°34	25°36	T 6
F 7	9 3 54	17° 7'34	1♌58	21°21	15°14	6°56	26°32	4°17	23°14	13° 0	17° 1	8°17	9°14	27°41	25°40	F 7
S 8	9 7 51	18° 8'19	14°50	22°20	16°28	7°40	26°29	4°23	23°15	13° 1	17° 3	8°15	9°11	27°47	25°44	S 8
S 9	9 11 47	19° 9'03	28° 7	23°23	17°42	8°25	26°26	4°29	23°16	13° 2	17° 4	8°12	9° 8	27°54	25°48	S 9
M10	9 15 44	20° 9'46	11♊51	24°27	18°56	9° 9	26°24	4°35	23°17	13° 3	17° 6	8°10	9° 5	28° 1	25°53	M10
T11	9 19 40	21°10'28	26° 1	25°34	20°10	9°53	26°22	4°40	23°18	13° 5	17° 7	8° 7	9° 2	28° 7	25°57	T11
W12	9 23 37	22°11'08	10≈33	26°43	21°24	10°37	26°20	4°46	23°19	13° 6	17° 8	8° 5	8°59	28°14	26° 1	W12
T13	9 27 33	23°11'47	25°22	27°54	22°38	11°21	26°18	4°51	23°20	13° 7	17°10	8° 4	8°55	28°21	26° 5	T13
F14	9 31 30	24°12'25	10♋20	29° 7	23°52	12° 5	26°17	4°57	23°21	13° 8	17°11	8°D 4	8°52	28°27	26° 9	F14
S15	9 35 26	25°13'01	25°18	0≈21	25° 6	12°49	26°16	5° 2	23°21	13° 9	17°13	8° 4	8°49	28°34	26°14	S15
S16	9 39 23	26°13'35	10♌ 9	1°37	26°19	13°32	26°14	5° 7	23°22	13°10	17°14	8° 5	8°46	28°41	26°18	S16
M17	9 43 20	27°14'07	24°47	2°55	27°33	14°16	26°14	5°13	23°22	13°11	17°16	8° 6	8°43	28°47	26°22	M17
T18	9 47 16	28°14'38	9♊ 5	4°14	28°46	15° 0	26°13	5°18	23°23	13°11	17°17	8° 7	8°40	28°54	26°26	T18
W19	9 51 13	29°15'07	23° 4	5°35	0♌ 0	15°44	26°12	5°23	23°24	13°12	17°19	8°R 8	8°36	29° 1	26°30	W19
T20	9 55 9	0♋15'34	6♐41	6°56	1°13	16°28	26°12	5°28	23°24	13°13	17°20	8° 8	8°33	29° 7	26°35	T20
F21	9 59 6	1°15'59	19°58	8°20	2°27	17°11	26°D12	5°33	23°24	13°14	17°22	8° 7	8°30	29°14	26°39	F21
S22	10 3 2	2°16'22	2♊57	9°44	3°40	17°55	26°12	5°38	23°25	13°15	17°23	8° 7	8°27	29°20	26°43	S22
S23	10 6 59	3°16'43	15°40	11°10	4°54	18°39	26°12	5°43	23°25	13°16	17°25	8° 6	8°24	29°27	26°47	S23
M24	10 10 55	4°17'02	28° 8	12°36	6° 7	19°22	26°13	5°48	23°25	13°16	17°26	8° 5	8°20	29°34	26°51	M24
T25	10 14 52	5°17'19	10♌25	14° 4	7°20	20° 6	26°14	5°52	23°25	13°17	17°28	8° 5	8°17	29°40	26°55	T25
W26	10 18 49	6°17'35	22°33	15°33	8°33	20°49	26°14	5°57	23°25	13°18	17°29	8° 5	8°14	29°47	27° 0	W26
T27	10 22 45	7°17'48	4♐32	17° 3	9°46	21°33	26°16	6° 1	23°R25	13°18	17°31	8° 5	8°11	29°54	27° 4	T27
F28	10 26 42	8°18'00	16°26	18°35	10°59	22°16	26°17	6° 6	23°25	13°19	17°33	8° 8	8° 8	0♌ 0	27° 8	F28
S29	10 30 38	9♋18'10	28♐16	20≈ 7	12♌12	22♌59	26♐18	6♊10	23♌25	13♌19	17♋34	8♐ 5	8♐ 5	0♌ 7	27≈12	S29

Day	☉	☾		♀		♀		♂		♄		♅		♆		♇		♁		♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	17s28	5n 1	1n 4	20s36	1n50	10s 0	1s27	0n41	0s20	23n19	0s 6	22s33	0n52	18s17	0n18	20s53	1n30	18s40	14s41	8n31	8n 0	2n36	7s36	5n50
S 2	17 12	1 17	2 6	20 43	1 39	9 31	1 26	1 0	0 19	23 19	0 6	22 33	0 52	18 17	0 18	20 53	1 30	18 39	14 41	8 30	8 1	2 35	7 35	5 50
M 3	16 54	2s30	3 2	20 48	1 28	9 1	1 25	1 18	0 18	23 19	0 6	22 33	0 52	18 17	0 18	20 53	1 30	18 38	14 41	8 29	8 2	2 33	7 34	5 50
T 4	16 37	6 12	3 51	20 53	1 17	8 32	1 24	1 37	0 18	23 19	0 6	22 32	0 52	18 18	0 18	20 53	1 30	18 37	14 41	8 29	8 3	2 31	7 33	5 50
W 5	16 19	9 40	4 31	20 57	1 6	8 2	1 22	1 55	0 17	23 19	0 6	22 32	0 52	18 18	0 18	20 53	1 30	18 37	14 40	8 28	8 4	2 29	7 31	5 50
T 6	16 1	12 49	4 59	21 0	0 56	7 32	1 21	2 13	0 16	23 19	0 6	22 32	0 52	18 18	0 18	20 53	1 30	18 36	14 40	8 28	8 6	2 27	7 30	5 50
F 7	15 43	15 27	5 14	21 1	0 45	7 2	1 19	2 32	0 15	23 19	0 6	22 32	0 52	18 19	0 18	20 53	1 30	18 35	14 40	8 28	8 7	2 25	7 29	5 50
S 8	15 24	17 24	5 14	21 2	0 35	6 32	1 17	2 50	0 14	23 19	0 5	22 32	0 52	18 19	0 18	20 53	1 30	18 35	14 40	8 29	8 8	2 23	7 28	5 50
S 9	15 6	18 30	4 57	21 2	0 25	6 1	1 16	3 8	0 13	23 20	0 5	22 32	0 52	18 19	0 18	20 54	1 30	18 34	14 40	8 30	8 9	2 21	7 26	5 50
M10	14 47	18 34	4 23	21 0	0 15	5 31	1 14	3 26	0 12	23 20	0 5	22 31	0 51	18 19	0 18	20 54	1 30	18 33	14 40	8 31	8 10	2 20	7 25	5 50
T11	14 27	17 29	3 32	20 58	0 5	5 0	1 12	3 45	0 11	23 20	0 5	22 31	0 51	18 20	0 18	20 54	1 30	18 33	14 40	8 32	8 12	2 18	7 24	5 49
W12	14 8	15 15	2 27	20 54	0s 4	4 29	1 10	4 3	0 10	23 20	0 5	22 31	0 51	18 20	0 18	20 54	1 30	18 32	14 39	8 33	8 13	2 16	7 22	5 49
T13	13 48	11 59	1 10	20 49	0 13	3 58	1 8	4 21	0 10	23 20	0 5	22 31	0 51	18 20	0 18	20 54	1 30	18 31	14 39	8 33	8 14	2 14	7 21	5 49
F14	13 28	7 54	0s13	20 43	0 22	3 27	1 6	4 39	0 9	23 20	0 5	22 31	0 51	18 20	0 18	20 54	1 30	18 31	14 39	8 33	8 15	2 12	7 20	5 49
S15	13 8	3 19	1 34	20 35	0 30	2 56	1 4	4 57	0 8	23 20	0 4	22 31	0 51	18 20	0 18	20 54	1 30	18 30	14 39	8 33	8 16	2 10	7 18	5 49
S16	12 47	1n26	2 49	20 26	0 38	2 24	1 2	5 14	0 7	23 20	0 4	22 30	0 51	18 20	0 18	20 54	1 30	18 29	14 39	8 33	8 17	2 8	7 17	5 49
M17	12 27	6 1	3 51	20 16	0 46	1 53	1 0	5 32	0 6	23 20	0 4	22 30	0 51	18 21	0 18	20 54	1 31	18 29	14 39	8 32	8 19	2 6	7 16	5 49
T18	12 6	10 9	4 38	20 5	0 54	1 22	0 57	5 50	0 5	23 20	0 4	22 30	0 51	18 21	0 18	20 54	1 31	18 28	14 39	8 32	8 20	2 5	7 14	5 49
W19	11 45	13 36	5 7	19 53	1 1	0 50	0 55	6 8	0 5	23 21	0 4	22 30	0 51	18 21	0 18	20 54	1 31	18 27	14 39	8 32	8 21	2 3	7 13	5 49
T20	11 23	16 14	5 18	19 39	1 8	0 19	0 52	6 25	0 4	23 21	0 4	22 30	0 51	18 21	0 18	20 54	1 31	18 27	14 39	8 32	8 22	2 1	7 12	5 49
F21	11 2	17 55	5 11	19 24	1 15	0n13	0 50	6 43	0 3	23 21	0 4	22 29	0 51	18 21	0 18	20 55	1 31	18 26	14 39	8 32	8 23	1 59	7 10	5 49
S22	10 40	18 37	4 48	19 8	1 21	0 44	0 47	7 0	0 2	23 21	0 3	22 29	0 51	18 21	0 18	20 55	1 31	18 25	14 39	8 32	8 25	1 57	7 9	5 49
S23	10 19	18 22	4 12	18 50	1 27	1 16	0 45	7 17	0 1	23 21	0 3	22 29	0 51	18 21	0 18	20 55	1 31	18 25	14 38	8 32	8 26	1 55	7 7	5 49
M24	9 57	17 13	3 24	18 31	1 32	1 19	0 42	7 35	0 1	23 21	0 3	22 29	0 51	18 21	0 18	20 55	1 31	18 24	14 38	8 33	8 27	1 53	7 6	5 49
T25	9 35	15 16	2 28	18 11	1 38	2 19	0 39	7 52	0n 0	23 21	0 3	22 28	0 51	18 21	0 18	20 55	1 31	18 23	14 38	8 33	8 28	1 51	7 5	5 49
W26	9 13	12 40	1 25	17 49	1 43	2 50	0 37	8 9	0 1	23 22	0 3	22 28	0 51	18 21	0 18	20 55	1 31	18 23	14 38	8 33	8 29	1 49	7 3	5 49
T27	8 50	9 33	0 20	17 26	1 47	3 21	0 34	8 26	0 2	23 22	0 3	22 28	0 51	18 21	0 18	20 55	1 31	18 22	14 38	8 33	8 31	1 48	7 2	5 49
F28	8 28	6 4	0n46	17 2	1 51	3 53	0 31	8 43	0 3	23 22	0 3	22 28	0 51	18 21	0 18	20 55	1 31	18 21	14 38	8 33	8 32	1 46	7 0	5 49
S29	8s 5	2n22	1n50	16s37	1s55	4n24	0s28	9n 0	0n 3	23n22	0s 2	22s28	0n51	18s21	0n18	20s55	1n31	18s21	14s38	8n33	8n33	1n44	6s59	5n49

Julian Day Number = 2382909.5. Delta T = 15.39 sec

Ecliptic obliquity = $23^{\circ}27'41''$, Nutation = $-0^{\circ}00'05''$, out-of-bounds declination in red

Avanamsha: Fagan/Bradley = 22°06'59. Lahiri = 21°14'00

ASTRODIENST EPHEMERIS for the year 1812

geocentric

MARCH 1812

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1812
geocentric

APRIL 1812

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 36 48	11° 7'04"	24° 35'52"	19° 6'	20° 8'23"	15° 8'46"	28° 42'42"	7° 3'47"	22° 5'56"	13° 18'19"	18° 18'23"	7° 18'36"	6° 18'23"	3° 18'40"	29° 18'14"	W 1
T 2	12 40 44	12° 6'09"	7° 21'10"	21° 8'	21° 3'22"	16° 2'28"	28° 49'	7° 49'	22° 18'55"	13° 18'18"	18° 18'25"	7° 18'31"	6° 20'	3° 47'	29° 17'	T 2
F 3	12 44 41	13° 5'12"	19° 40'	23° 10'	22° 42'	17° 10'	28° 56'	7° 50'	22° 53'	13° 18'	18° 18'26"	7° 27'	6° 16'	3° 53'	29° 20'	F 3
S 4	12 48 37	14° 4'14"	2° 32'26"	25° 10'	23° 52'	17° 51'	29° 3'	7° 52'	22° 51'	13° 17'	18° 18'28"	7° 25'	6° 13'	4° 0'	29° 24'	S 4
S 5	12 52 34	15° 3'14"	15° 30'	27° 8'	25° 2'	18° 33'	29° 11'	7° 53'	22° 50'	13° 17'	18° 18'29"	7° 24'	6° 10'	4° 7'	29° 27'	S 5
M 6	12 56 31	16° 2'12"	28° 56'	29° 4'	26° 11'	19° 15'	29° 19'	7° 54'	22° 48'	13° 16'	18° 18'31"	7° 24'	6° 7'	4° 13'	29° 30'	M 6
T 7	13 0 27	17° 1'08"	12° 46'	0° 8'58"	27° 20'	19° 57'	29° 26'	7° 55'	22° 46'	13° 15'	18° 18'32"	7° 26'	6° 4'	4° 20'	29° 33'	T 7
W 8	13 4 24	18° 0'02"	27° 1'	2° 49'	28° 29'	20° 39'	29° 34'	7° 56'	22° 44'	13° 14'	18° 18'33"	7° 27'	6° 1'	4° 27'	29° 36'	W 8
T 9	13 8 20	18° 58'55"	11° 39'	4° 36'	29° 39'	21° 21'	29° 43'	7° 57'	22° 42'	13° 14'	18° 18'35"	7° 27'	5° 57'	4° 33'	29° 39'	T 9
F 10	13 12 17	19° 57'46"	26° 37'	6° 21'	0° 11'47"	22° 2'	29° 51'	7° 58'	22° 40'	13° 13'	18° 18'36"	7° 26'	5° 54'	4° 40'	29° 42'	F 10
S 11	13 16 13	20° 56'35"	11° 46'	8° 1'	1° 56'	22° 44'	29° 59'	7° 58'	22° 38'	13° 12'	18° 18'38"	7° 23'	5° 51'	4° 47'	29° 45'	S 11
S 12	13 20 10	21° 55'22"	26° 59'	9° 38'	3° 5'	23° 25'	0° 8'	7° 59'	22° 36'	13° 11'	18° 18'39"	7° 17'	5° 48'	4° 53'	29° 48'	S 12
M13	13 24 6	22° 54'07"	12° 4'	11° 10'	4° 13'	24° 7'	0° 16'	7° 59'	22° 34'	13° 10'	18° 18'40"	7° 11'	5° 45'	5° 0'	29° 51'	M13
T 14	13 28 3	23° 52'50"	26° 52'	12° 38'	5° 22'	24° 49'	0° 25'	8° 0'	22° 32'	13° 10'	18° 18'42"	7° 3'	5° 42'	5° 7'	29° 54'	T 14
W15	13 32 0	24° 51'31"	11° 16'	14° 1'	6° 30'	25° 30'	0° 34'	8° 0'	22° 30'	13° 9'	18° 18'43"	6° 57'	5° 38'	5° 13'	29° 57'	W15
T 16	13 35 56	25° 50'10"	25° 12'	15° 19'	7° 38'	26° 12'	0° 43'	8° 0'	22° 28'	13° 8'	18° 18'44"	6° 51'	5° 35'	5° 20'	29° 59'	T 16
F 17	13 39 53	26° 48'47"	8° 38'	16° 32'	8° 46'	26° 53'	0° 52'	8° 0'	22° 26'	13° 7'	18° 18'46"	6° 48'	5° 32'	5° 27'	0° 18'	F 17
S 18	13 43 49	27° 47'21"	21° 37'	17° 40'	9° 53'	27° 34'	1° 1'	8° 0'	22° 23'	13° 6'	18° 18'47"	6° 46'	5° 29'	5° 33'	0° 5'	S 18
S 19	13 47 46	28° 45'53"	4° 12'	18° 43'	11° 1'	28° 16'	1° 10'	8° 0'	22° 21'	13° 5'	18° 18'48"	6° 46'	5° 26'	5° 40'	0° 8'	S 19
M20	13 51 42	29° 44'23"	16° 28'	19° 41'	12° 8'	28° 57'	1° 20'	8° 0'	22° 19'	13° 4'	18° 18'49"	6° 47'	5° 22'	5° 47'	0° 10'	M20
T 21	13 55 39	0° 42'51"	28° 30'	20° 33'	13° 16'	29° 38'	1° 29'	7° 59'	22° 17'	13° 3'	18° 18'51"	6° 48'	5° 19'	5° 53'	0° 13'	T 21
W22	13 59 35	1° 41'16"	10° 22'	21° 19'	14° 23'	0° 11'19"	1° 39'	7° 59'	22° 14'	13° 1'	18° 18'52"	6° 48'	5° 16'	6° 0'	0° 15'	W22
T 23	14 3 32	2° 39'40"	22° 10'	22° 0'	15° 29'	1° 0'	1° 49'	7° 58'	22° 12'	13° 0'	18° 18'53"	6° 47'	5° 13'	6° 7'	0° 18'	T 23
F 24	14 7 29	3° 38'02"	3° 58'	22° 35'	16° 36'	1° 42'	1° 59'	7° 58'	22° 10'	12° 59'	18° 18'54"	6° 43'	5° 10'	6° 13'	0° 20'	F 24
S 25	14 11 25	4° 36'21"	15° 47'	23° 5'	17° 42'	2° 23'	2° 9'	7° 57'	22° 7'	12° 58'	18° 18'55"	6° 37'	5° 7'	6° 20'	0° 22'	S 25
S 26	14 15 22	5° 34'39"	27° 42'	23° 29'	18° 49'	3° 4'	2° 19'	7° 56'	22° 5'	12° 57'	18° 18'57"	6° 28'	5° 3'	6° 27'	0° 25'	S 26
M27	14 19 18	6° 32'55"	9° 44'	23° 47'	19° 55'	3° 45'	2° 29'	7° 55'	22° 3'	12° 56'	18° 18'58"	6° 18'	5° 0'	6° 33'	0° 27'	M27
T 28	14 23 15	7° 31'09"	21° 54'	24° 0'	21° 0'	4° 26'	2° 39'	7° 54'	22° 0'	12° 54'	18° 18'59"	6° 7'	4° 57'	6° 40'	0° 29'	T 28
W29	14 27 11	8° 29'21"	4° 14'	24° 7'	22° 6'	5° 7'	2° 49'	7° 53'	21° 58'	12° 53'	19° 0'	5° 56'	4° 54'	6° 47'	0° 31'	W29
T 30	14 31 8	9° 27'32"	16° 43'	24° 9'	23° 11'	5° 11'47"	3° 58'	7° 52'	21° 56'	12° 52'	19° 1'	5° 54'	4° 51'	6° 45'	0° 33'	T 30

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W 1	4n24	14s 5	5n 4	7n28	0s 1	19n 8	1n19	16n59	0n25	23n29	0n 1	22s22	0n52	18s14	0n18	20s53	1n32	18s 3	14s40	8n44	9n11	0n43	6s14	5n53	
T 2	4 47	16 24	5 12	8 24	0n10	19 30	1 23	17 11	0 26	23 29	0 2	22 22	0 52	18 13	0 18	20 53	1 33	18 3	14 40	8 46	9 12	0 41	6 13	5 53	
F 3	5 10	18 0	5 5	9 20	0 21	19 51	1 26	17 24	0 27	23 29	0 2	22 22	0 52	18 13	0 18	20 53	1 33	18 2	14 41	8 47	9 13	0 39	6 12	5 53	
S 4	5 33	18 44	4 43	10 15	0 32	20 12	1 30	17 36	0 27	23 29	0 2	22 22	0 52	18 13	0 18	20 53	1 33	18 2	14 41	8 48	9 14	0 37	6 10	5 53	
S 5	5 56	18 29	4 6	11 9	0 44	20 33	1 33	17 48	0 28	23 29	0 2	22 22	0 52	18 12	0 18	20 53	1 33	18 1	14 41	8 48	9 15	0 35	6 9	5 53	
M 6	6 19	17 13	3 14	12 1	0 55	20 53	1 36	18 1	0 28	23 30	0 2	22 22	0 52	18 12	0 18	20 53	1 33	18 1	14 41	8 48	9 17	0 33	6 8	5 54	
T 7	6 42	14 54	2 10	12 52	1 7	21 12	1 40	18 12	0 29	23 30	0 2	22 22	0 52	18 11	0 18	20 53	1 33	18 0	14 41	8 47	9 18	0 31	6 7	5 54	
W 8	7 4	11 38	0 57	13 41	1 18	21 31	1 43	18 24	0 29	23 30	0 2	22 22	0 52	18 11	0 18	20 53	1 33	18 0	14 41	8 47	9 19	0 29	6 5	5 54	
T 9	7 26	7 33	0s23	14 28	1 29	21 49	1 46	18 36	0 30	23 30	0 2	22 22	0 52	18 10	0 18	20 52	1 33	18 0	14 42	8 47	9 20	0 27	6 4	5 54	
F 10	7 49	2 55	1 42	15 12	1 39	22 7	1 49	18 47	0 31	23 30	0 2	22 22	0 52	18 10	0 18	20 52	1 33	17 59	14 42	8 47	9 21	0 25	6 3	5 54	
S 11	8 11	1n58	2 55	15 55	1 49	22 24	1 53	18 58	0 31	23 30	0 2	22 22	0 52	18 9	0 18	20 52	1 33	17 59	14 42	8 49	9 22	0 23	6 2	5 55	
S 12	8 33	6 44	3 56	16 35	1 59	22 41	1 56	19 9	0 32	23 30	0 3	22 22	0 52	18 9	0 18	20 52	1 33	17 59	14 42	8 51	9 24	0 21	6 0	5 55	
M13	8 55	11 2	4 40	17 13	2 7	22 57	1 59	19 20	0 32	23 30	0 3	22 21	0 52	18 8	0 18	20 52	1 33	17 58	14 42	8 53	9 25	0 19	5 59	5 55	
T 14	9 17	14 33	5 4	17 48	2 16	23 13	2 2	19 31	0 33	23 30	0 3	22 21	0 52	18 8	0 18	20 52	1 33	17 58	14 43	8 56	9 26	0 18	5 58	5 55	
W15	9 38	17 4	5 8	18 20	2 23	23 28	2 5	19 42	0 33	23 30	0 3	22 21	0 52	18 7	0 18	20 52	1 33	17 58	14 43	8 58	9 27	0 16	5 57	5 56	
T 16	9 59	18 30	4 53	18 50	2 30	23 42	2 8	19 52	0 34	23 31	0 3	22 21	0 52	18 7	0 18	20 51	1 33	17 57	14 43	9 0	9 28	0 14	5 56	5 56	
F 17	10 21	18 49	4 22	19 17	2 36	23 56	2 10	20 2	0 34	23 31	0 3	22 21	0 52	18 6	0 18	20 51	1 33	17 57	14 43	9 2	9 29	0 12	5 54	5 56	
S 18	10 42	18 7	3 39	19 41	2 41	24 9	2 13	20 12	0 35	23 31	0 3	22 21	0 52	18 5	0 18	20 51	1 33	17 57	14 44	9 2	9 31	0 10	5 53	5 56	
S 19	11 3	16 32	2 47	20 3	2 45	24 22	2 16	20 22	0 35	23 31	0 3	22 21	0 52	18 5	0 18	20 51	1 33	17 56	14 44	9 2	9 32	0 8	5 52	5 57	
M20	11 23	14 12	1 47	20 22	2 48	24 34	2 19	20 32	0 36	23 31	0 3	22 21	0 52	18 4	0 18	20 51	1 33	17 56	14 44	9 2	9 33	0 6	5 51	5 57	
T 21	11 44	11 19	0 45	20 38	2 50	24 45	2 21	20 41	0 36	23 31	0 3	22 21	0 52	18 4	0 18	20 51	1 33	17 56	14 44	9 2	9 34	0 4	5 50	5 57	
W22	12 4	7 59	0n19	20 51	2 50	24 56	2 24	20 50	0 37	23 31	0 4	22 21	0 52	18 3	0 18	20 50	1 33	17 56	14 44	9 1	9 35	0 2	5 49	5 57	
T 23	12 24	4 22	1 22	21 1	2 50	25 6	2 26	20 59	0 37	23 31	0 4	22 21	0 52	18 3	0 18	20 50	1 33	17 55	14 45	9 2	9 36	0 0	5 48	5 58	
F 24	12 44	0 34	2 20	21 9	2 49	25 15	2 29	21 8	0 38	23 31	0 4	22 21	0 52	18 2	0 18	20 50	1 33	17 55	14 45	9 3	9 38	0s 2	5 47	5 58	
S 25	13 4	3s15	3 13	21 14	2 46	25 24	2 31	21 17	0 38	23 31	0 4	22 22	0 52	18 1	0 18	20 50	1 33	17 55	14 45	9 6	9 39	0 4	5 45	5 58	
S 26	13 24	6 58	3 58	21 17	2 42	25 32	2 33	21 26	0 39	23 30	0 4	22 22	0 52	18 1	0 18	20 50	1 33	17 55	14 46	9 9	9 40	0 6	5 44	5 59	
M27	13 43	10 26	4 32	21 17	2 37	25 40	2 36	21 34	0 39	23 30	0 4	22 22	0 52	18 0	0 18	20 50	1 33	17 54	14 46	9 12	9 41	0 8	5 43	5 59	
T 28	14 2	13 31	4 54	21 14	2 31	25 47	2 38	21 42	0 40	23 30	0 4	22 22	0 52	18 0	0 18	20 49	1 33	17 54	14 46	9 17	9 42	0 10	5 42	5 59	
W29	14 21	16 2	5 3	21 8	2 24	25 53	2 40	21 50	0 40	23 30	0 4	22 22	0 52	17 59	0 18	20 49	1 33	17 54	14 46	9 21	9 43	0 12	5 41	5 59	
T 30	14n39	17s51	4n58	21n 0	2n15	25n58	2n42	21n58	0n41	23n30	0n 4	22s22	0n52	17s58	0n18	20s49	1n33	17s54	14s47	9n25	9n45	0s13	5s40	6n 0	

ASTRODIENST EPHEMERIS for the year 1812

geocentric

MAY 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 35 4	10 ⁸ 25'41	29 ² 24	24°R 6	24 ^{II} 16	6 ^{II} 28	3 [☉] 10	7°R50	21°R53	12°R51	19 [☿] 2	5°R37	4 [♊] 48	7 [♈] 0	0 [☿] 35	F 1
S 2	14 39 1	11°23'49	12 [☿] 17	23 [♈] 57	25°21	7° 9	3°21	7 [☿] 49	21 [♊] 51	12 [♈] 49	19° 3	5 [♊] 31	4°44	7° 7	0°37	S 2
S 3	14 42 58	12°21'55	25°25	23°44	26°26	7°50	3°32	7°48	21°48	12°48	19° 4	5°28	4°41	7°13	0°39	S 3
M 4	14 46 54	13°20'00	8 [♊] 49	23°27	27°30	8°31	3°42	7°46	21°46	12°47	19° 5	5°D26	4°38	7°20	0°41	M 4
T 5	14 50 51	14°18'04	22°32	23° 5	28°35	9°11	3°53	7°44	21°43	12°45	19° 6	5°26	4°35	7°27	0°43	T 5
W 6	14 54 47	15°16'06	6 [♊] 34	22°40	29°39	9°52	4° 4	7°43	21°41	12°44	19° 7	5°R27	4°32	7°33	0°45	W 6
T 7	14 58 44	16°14'07	20°56	22°11	0 [♊] 42	10°33	4°15	7°41	21°38	12°43	19° 8	5°26	4°28	7°40	0°46	T 7
F 8	15 2 40	17°12'06	5 [♊] 35	21°40	1°46	11°13	4°26	7°39	21°36	12°41	19° 9	5°23	4°25	7°47	0°48	F 8
S 9	15 6 37	18°10'04	20°27	21° 6	2°49	11°54	4°38	7°37	21°33	12°40	19°10	5°18	4°22	7°53	0°50	S 9
S 10	15 10 33	19° 8'01	5 [♊] 25	20°32	3°52	12°34	4°49	7°35	21°31	12°38	19°11	5°10	4°19	8° 0	0°51	S 10
M 11	15 14 30	20° 5'56	20°21	19°56	4°54	13°15	5° 0	7°32	21°28	12°37	19°12	4°59	4°16	8° 7	0°53	M 11
T 12	15 18 27	21° 3'50	5 [♊] 4	19°20	5°56	13°55	5°12	7°30	21°26	12°35	19°13	4°49	4°13	8°13	0°54	T 12
W 13	15 22 23	22° 1'42	19°27	18°45	6°58	14°36	5°23	7°28	21°23	12°34	19°14	4°38	4° 9	8°20	0°55	W 13
T 14	15 26 20	22°59'33	3 [♊] 25	18°11	8° 0	15°16	5°35	7°25	21°21	12°32	19°14	4°29	4° 6	8°27	0°57	T 14
F 15	15 30 16	23°57'22	16°55	17°38	9° 1	15°56	5°47	7°23	21°18	12°31	19°15	4°22	4° 3	8°33	0°58	F 15
S 16	15 34 13	24°55'10	29°58	17° 7	10° 2	16°37	5°58	7°20	21°16	12°29	19°16	4°18	4° 0	8°40	0°59	S 16
S 17	15 38 9	25°52'55	12 [♊] 36	16°39	11° 3	17°17	6°10	7°18	21°13	12°28	19°17	4°16	3°57	8°47	1° 0	S 17
M 18	15 42 6	26°50'39	24°53	16°14	12° 3	17°57	6°22	7°15	21°11	12°26	19°18	4°D15	3°53	8°53	1° 1	M 18
T 19	15 46 2	27°48'22	6 [♊] 56	15°53	13° 3	18°38	6°34	7°12	21° 8	12°25	19°18	4°R15	3°50	9° 0	1° 2	T 19
W 20	15 49 59	28°46'02	18°49	15°35	14° 3	19°18	6°46	7° 9	21° 6	12°23	19°19	4°15	3°47	9° 7	1° 3	W 20
T 21	15 53 56	29°43'42	0 [♊] 37	15°21	15° 2	19°58	6°58	7° 6	21° 3	12°22	19°20	4°12	3°44	9°13	1° 4	T 21
F 22	15 57 52	0 ^{II} 41'19	12°26	15°11	16° 1	20°38	7°10	7° 3	21° 1	12°20	19°20	4° 8	3°41	9°20	1° 5	F 22
S 23	16 1 49	1°38'56	24°19	15° 6	16°59	21°18	7°22	7° 0	20°58	12°18	19°21	4° 1	3°38	9°27	1° 6	S 23
S 24	16 5 45	2°36'31	6 [♊] 21	15°D 5	17°57	21°58	7°34	6°57	20°56	12°17	19°22	3°51	3°34	9°33	1° 6	S 24
M 25	16 9 42	3°34'04	18°32	15° 9	18°54	22°38	7°47	6°53	20°53	12°15	19°22	3°39	3°31	9°40	1° 7	M 25
T 26	16 13 38	4°31'37	0 [♊] 55	15°17	19°51	23°18	7°59	6°50	20°51	12°14	19°23	3°26	3°28	9°47	1° 8	T 26
W 27	16 17 35	5°29'08	13°30	15°30	20°48	23°58	8°11	6°47	20°48	12°12	19°23	3°13	3°25	9°53	1° 8	W 27
T 28	16 21 31	6°26'39	26°16	15°47	21°44	24°38	8°24	6°43	20°46	12°10	19°24	3° 1	3°22	10° 0	1° 9	T 28
F 29	16 25 28	7°24'08	9 [♊] 15	16° 8	22°39	25°18	8°36	6°40	20°44	12° 9	19°24	2°51	3°19	10° 7	1° 9	F 29
S 30	16 29 25	8°21'36	22°25	16°34	23°34	25°58	8°49	6°36	20°41	12° 7	19°25	2°43	3°15	10°13	1°10	S 30
S 31	16 33 21	9 ^{II} 19'04	5 [♊] 46	17 [♈] 4	24 [♊] 28	26 ^{II} 37	9 [☉] 1	6 [☿] 33	20 [♊] 39	12 [♈] 6	19 [☿] 25	2 [♊] 39	3 [♊] 12	10 [♊] 20	1 [☿] 10	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	14n58	18s49	4n38	20n50	2n 5	26n 3	2n43	22n 5	0n41	23n30	0n 4	22s22	0n52	17s58	0n18	20s49	1n33	17s54	14s47	9n28	9n46	0s15	5s39	6n 0	
S 2	15 16	18 51	4 4	20 37	1 54	26 8	2 45	22 13	0 42	23 30	0 5	22 22	0 52	17 57	0 18	20 49	1 34	17 54	14 47	9 30	9 47	0 17	5 38	6 0	
S 3	15 34	17 52	3 16	20 22	1 42	26 11	2 47	22 20	0 42	23 29	0 5	22 22	0 52	17 56	0 18	20 48	1 34	17 53	14 48	9 31	9 48	0 19	5 37	6 1	
M 4	15 51	15 52	2 17	20 5	1 28	26 14	2 48	22 27	0 43	23 29	0 5	22 22	0 52	17 56	0 18	20 48	1 34	17 53	14 48	9 32	9 49	0 21	5 37	6 1	
T 5	16 9	12 56	1 8	19 45	1 14	26 17	2 50	22 33	0 43	23 29	0 5	22 22	0 52	17 55	0 18	20 48	1 34	17 53	14 48	9 31	9 50	0 23	5 36	6 1	
W 6	16 26	9 12	0s 6	19 24	0 59	26 19	2 51	22 40	0 43	23 29	0 5	22 22	0 52	17 55	0 18	20 48	1 34	17 53	14 48	9 31	9 52	0 25	5 35	6 1	
T 7	16 43	4 51	1 21	19 1	0 43	26 20	2 52	22 46	0 44	23 29	0 5	22 22	0 52	17 54	0 18	20 48	1 34	17 53	14 49	9 32	9 53	0 27	5 34	6 2	
F 8	16 59	0 7	2 33	18 37	0 26	26 20	2 53	22 53	0 44	23 28	0 5	22 23	0 52	17 53	0 18	20 47	1 34	17 53	14 49	9 33	9 54	0 29	5 33	6 2	
S 9	17 15	4n41	3 35	18 12	0 9	26 20	2 54	22 59	0 45	23 28	0 5	22 23	0 52	17 53	0 18	20 47	1 34	17 53	14 49	9 35	9 55	0 31	5 32	6 2	
S 10	17 31	9 13	4 22	17 46	0s 8	26 19	2 55	23 4	0 45	23 28	0 5	22 23	0 52	17 52	0 18	20 47	1 34	17 53	14 50	9 38	9 56	0 33	5 31	6 3	
M11	17 47	13 9	4 52	17 20	0 25	26 18	2 56	23 10	0 46	23 27	0 5	22 23	0 52	17 51	0 18	20 47	1 34	17 53	14 50	9 41	9 57	0 35	5 31	6 3	
T 12	18 2	16 13	5 2	16 53	0 43	26 16	2 56	23 15	0 46	23 27	0 5	22 23	0 52	17 51	0 18	20 47	1 34	17 53	14 50	9 45	9 59	0 37	5 30	6 3	
W13	18 17	18 12	4 52	16 27	1 0	26 13	2 57	23 20	0 46	23 27	0 6	22 23	0 52	17 50	0 18	20 46	1 34	17 52	14 51	9 49	10 0	0 39	5 29	6 4	
T 14	18 32	19 1	4 24	16 1	1 17	26 10	2 57	23 25	0 47	23 26	0 6	22 23	0 52	17 49	0 18	20 46	1 34	17 52	14 51	9 53	10 1	0 41	5 28	6 4	
F 15	18 47	18 42	3 43	15 36	1 34	26 6	2 57	23 30	0 47	23 26	0 6	22 24	0 52	17 49	0 18	20 46	1 34	17 52	14 51	9 55	10 2	0 43	5 27	6 4	
S 16	19 1	17 23	2 51	15 13	1 50	26 2	2 58	23 35	0 48	23 25	0 6	22 24	0 52	17 48	0 18	20 46	1 34	17 52	14 52	9 57	10 3	0 45	5 27	6 5	
S 17	19 15	15 15	1 52	14 50	2 5	25 57	2 57	23 39	0 48	23 25	0 6	22 24	0 52	17 47	0 18	20 46	1 34	17 52	14 52	9 57	10 4	0 47	5 26	6 5	
M18	19 28	12 28	0 49	14 29	2 19	25 51	2 57	23 43	0 48	23 24	0 6	22 24	0 52	17 47	0 18	20 45	1 34	17 52	14 52	9 58	10 5	0 49	5 25	6 5	
T 19	19 41	9 12	0n14	14 10	2 33	25 45	2 57	23 47	0 49	23 24	0 6	22 24	0 52	17 46	0 18	20 45	1 34	17 52	14 53	9 58	10 7	0 51	5 25	6 6	
W20	19 54	5 36	1 16	13 53	2 45	25 39	2 57	23 51	0 49	23 23	0 6	22 24	0 52	17 45	0 18	20 45	1 34	17 52	14 53	9 58	10 8	0 52	5 24	6 6	
T 21	20 7	1 49	2 15	13 38	2 56	25 32	2 56	23 54	0 50	23 23	0 6	22 25	0 52	17 45	0 18	20 45	1 34	17 53	14 53	9 59	10 9	0 54	5 23	6 6	
F 22	20 19	2s 2	3 7	13 26	3 7	25 24	2 55	23 58	0 50	23 22	0 6	22 25	0 52	17 44	0 18	20 45	1 34	17 53	14 54	10 0	10 10	0 56	5 23	6 7	
S 23	20 31	5 50	3 52	13 16	3 16	25 16	2 54	24 1	0 50	23 22	0 6	22 25	0 52	17 44	0 18	20 44	1 34	17 53	14 54	10 3	10 11	0 58	5 22	6 7	
S 24	20 42	9 27	4 27	13 8	3 24	25 7	2 53	24 4	0 51	23 21	0 7	22 25	0 52	17 43	0 18	20 44	1 34	17 53	14 54	10 6	10 12	1 0	5 22	6 7	
M25	20 53	12 42	4 50	13 2	3 31	24 58	2 52	24 6	0 51	23 21	0 7	22 25	0 52	17 42	0 18	20 44	1 34	17 53	14 55	10 11	10 14	1 2	5 21	6 8	
T 26	21 4	15 28	5 0	12 59	3 36	24 48	2 50	24 9	0 51	23 20	0 7	22 26	0 52	17 42	0 18	20 44	1 34	17 53	14 55	10 15	10 15	1 4	5 21	6 8	
W27	21 14	17 33	4 55	12 58	3 41	24 38	2 49	24 11	0 52	23 19	0 7	22 26	0 52	17 41	0 18	20 44	1 34	17 53	14 55	10 20	10 16	1 6	5 20	6 8	
T 28	21 24	18 48	4 36	12 59	3 45	24 27	2 47	24 13	0 52	23 19	0 7	22 26	0 51	17 40	0 18	20 43	1 34	17 53	14 56	10 25	10 17	1 8	5 20	6 9	
F 29	21 34	19 6	4 2	13 3	3 48	24 16	2 45	24 15	0 52	23 18	0 7	22 26	0 51	17 40	0 18	20 43	1 34	17 53	14 56	10 28	10 18	1 10	5 19	6 9	
S 30	21 43	18 23	3 15	13 8	3 49	24 5	2 43	24 17	0 53	23 17	0 7	22 26	0 51	17 39	0 18	20 43	1 34	17 53	14 56	10 31	10 19	1 12	5 19	6 9	
S 31	21n52	16s38	2n17	13n16	3s50	23n53	2n41	24n18	0n53	23n16	0n 7	22s27	0n51	17s39	0n18	20s43	1n34	17s54	14s57	10n32	10n20	1s14	5s18	6n10	

ASTRODIENST EPHEMERIS for the year 1812
geocentric

JUNE 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 37 18	10 ^{II} 16'31	19 ^{III} 19	17 ^{III} 38	25 ^{III} 22	27 ^{II} 17	9 ^{III} 14	6°R29	20°R37	12°R 4	19 ^{II} 26	2°R37	3 ^{III} 9	10 ^{II} 27	1 ^{II} 10	M 1
T 2	16 41 14	11°13'57	3 ^{III} 4	18°16	26°15	27°57	9°26	6 ^{III} 25	20 ^{III} 34	12 ^{II} 2	19°26	2 ^{III} 37	3° 6	10°33	1°10	T 2
W 3	16 45 11	12°11'22	17° 1	18°59	27° 8	28°37	9°39	6°21	20°32	12° 1	19°27	2°37	3° 3	10°40	1°10	W 3
T 4	16 49 7	13° 8'47	1 ^{II} 12	19°45	28° 0	29°16	9°52	6°17	20°30	11°59	19°27	2°36	2°59	10°47	1°R10	T 4
F 5	16 53 4	14° 6'11	15°34	20°35	28°51	29°56	10° 5	6°14	20°28	11°57	19°27	2°33	2°56	10°53	1°10	F 5
S 6	16 57 0	15° 3'35	0 ^{II} 4	21°28	29°42	0 ^{III} 36	10°18	6°10	20°25	11°56	19°28	2°27	2°53	11° 0	1°10	S 6
S 7	17 0 57	16° 0'58	14°39	22°26	0 ^{II} 32	1°15	10°30	6° 6	20°23	11°54	19°28	2°20	2°50	11° 7	1°10	S 7
M 8	17 4 54	16°58'21	29°12	23°26	1°21	1°55	10°43	6° 2	20°21	11°53	19°28	2°10	2°47	11°14	1°10	M 8
T 9	17 8 50	17°55'43	13 ^{II} 36	24°31	2°10	2°35	10°56	5°58	20°19	11°51	19°28	1°59	2°44	11°20	1°10	T 9
W10	17 12 47	18°53'04	27°45	25°38	2°58	3°14	11° 9	5°53	20°17	11°49	19°29	1°48	2°40	11°27	1°10	W10
T 11	17 16 43	19°50'25	11 ^{III} 33	26°49	3°45	3°54	11°22	5°49	20°15	11°48	19°29	1°39	2°37	11°34	1° 9	T 11
F 12	17 20 40	20°47'44	24°57	28° 3	4°31	4°33	11°35	5°45	20°13	11°46	19°29	1°31	2°34	11°40	1° 9	F 12
S 13	17 24 36	21°45'03	7 ^{II} 58	29°21	5°16	5°13	11°48	5°41	20°11	11°45	19°29	1°27	2°31	11°47	1° 8	S 13
S 14	17 28 33	22°42'21	20°36	0 ^{II} 41	6° 1	5°52	12° 2	5°37	20° 9	11°43	19°29	1°25	2°28	11°54	1° 8	S 14
M15	17 32 29	23°39'39	2 ^{III} 55	2° 5	6°44	6°31	12°15	5°32	20° 7	11°41	19°30	1°D24	2°25	12° 0	1° 7	M15
T 16	17 36 26	24°36'55	14°59	3°32	7°27	7°11	12°28	5°28	20° 5	11°40	19°30	1°25	2°21	12° 7	1° 6	T 16
W17	17 40 23	25°34'11	26°53	5° 2	8° 8	7°50	12°41	5°24	20° 3	11°38	19°30	1°R25	2°18	12°14	1° 6	W17
T 18	17 44 19	26°31'26	8 ^{II} 43	6°36	8°48	8°29	12°54	5°19	20° 1	11°37	19°30	1°24	2°15	12°20	1° 5	T 18
F 19	17 48 16	27°28'40	20°34	8°12	9°28	9° 9	13° 8	5°15	19°59	11°35	19°30	1°21	2°12	12°27	1° 4	F 19
S 20	17 52 12	28°25'53	2 ^{III} 31	9°51	10° 6	9°48	13°21	5°11	19°57	11°34	19°R30	1°16	2° 9	12°34	1° 3	S 20
S 21	17 56 9	29°23'06	14°37	11°33	10°43	10°27	13°34	5° 6	19°56	11°32	19°30	1° 9	2° 5	12°40	1° 2	S 21
M22	18 0 5	0 ^{III} 20'19	26°57	13°19	11°19	11° 6	13°47	5° 2	19°54	11°31	19°30	1° 0	2° 2	12°47	1° 1	M22
T 23	18 4 2	1°17'31	9 ^{II} 21	15° 7	11°53	11°46	14° 1	4°58	19°52	11°29	19°30	0°50	1°59	12°54	1° 0	T 23
W24	18 7 58	2°14'42	22°21	16°58	12°27	12°25	14°14	4°53	19°51	11°28	19°30	0°40	1°56	13° 0	0°59	W24
T 25	18 11 55	3°11'54	5 ^{III} 27	18°51	12°58	13° 4	14°27	4°49	19°49	11°26	19°29	0°31	1°53	13° 7	0°58	T 25
F 26	18 15 52	4° 9'05	18°47	20°47	13°29	13°43	14°41	4°44	19°47	11°25	19°29	0°23	1°50	13°14	0°57	F 26
S 27	18 19 48	5° 6'16	2 ^{III} 20	22°46	13°58	14°22	14°54	4°40	19°46	11°23	19°29	0°18	1°46	13°20	0°55	S 27
S 28	18 23 45	6° 3'27	16° 3	24°47	14°25	15° 1	15° 8	4°35	19°44	11°22	19°29	0°15	1°43	13°27	0°54	S 28
M29	18 27 41	7° 0'38	29°55	26°50	14°51	15°40	15°21	4°31	19°43	11°20	19°29	0°D14	1°40	13°34	0°53	M29
T 30	18 31 38	7 ^{III} 57'49	13 ^{II} 53	28 ^{II} 54	15 ^{II} 15	16 ^{III} 19	15 ^{III} 34	4 ^{III} 27	19 ^{II} 41	11 ^{II} 19	19 ^{II} 29	0 ^{III} 14	1 ^{III} 37	13 ^{II} 40	0 ^{II} 51	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
M 1	22n 1	13s56	1n10	13n26	3s50	23n41	2n38	24n19	0n53	23n16	0n 7	22s27	0n51	17s38	0n18	20s43	1n34	17s54	14s57	10n33	10n22	1s16	5s18	6n10	
T 2	22 9	10 26	0s 2	13 38	3 48	23 28	2 36	24 20	0 54	23 15	0 7	22 27	0 51	17 37	0 18	20 42	1 34	17 54	14 58	10 33	10 23	1 18	5 18	6 10	
W 3	22 16	6 17	1 16	13 51	3 46	23 15	2 33	24 21	0 54	23 14	0 7	22 27	0 51	17 37	0 18	20 42	1 34	17 54	14 58	10 33	10 24	1 20	5 17	6 11	
T 4	22 24	1 45	2 25	14 6	3 44	23 1	2 30	24 22	0 54	23 13	0 7	22 28	0 51	17 36	0 18	20 42	1 34	17 54	14 58	10 34	10 25	1 22	5 17	6 11	
F 5	22 31	2n57	3 27	14 23	3 40	22 48	2 26	24 22	0 55	23 12	0 8	22 28	0 51	17 36	0 18	20 42	1 34	17 54	14 59	10 35	10 26	1 24	5 17	6 11	
S 6	22 37	7 31	4 15	14 41	3 36	22 34	2 23	24 23	0 55	23 11	0 8	22 28	0 51	17 35	0 18	20 41	1 34	17 55	14 59	10 37	10 27	1 26	5 16	6 12	
S 7	22 44	11 40	4 48	15 0	3 30	22 19	2 19	24 23	0 55	23 10	0 8	22 28	0 51	17 35	0 18	20 41	1 34	17 55	14 59	10 39	10 28	1 28	5 16	6 12	
M 8	22 49	15 6	5 1	15 21	3 25	22 4	2 15	24 22	0 56	23 9	0 8	22 28	0 51	17 34	0 18	20 41	1 34	17 55	15 0	10 43	10 30	1 30	5 16	6 12	
T 9	22 55	17 34	4 55	15 42	3 18	21 49	2 11	24 22	0 56	23 9	0 8	22 29	0 51	17 33	0 18	20 41	1 34	17 55	15 0	10 47	10 31	1 32	5 16	6 13	
W10	23 0	18 55	4 32	16 5	3 11	21 34	2 7	24 22	0 56	23 8	0 8	22 29	0 51	17 33	0 18	20 41	1 34	17 56	15 1	10 51	10 32	1 34	5 15	6 13	
T 11	23 4	19 6	3 52	16 29	3 4	21 19	2 2	24 21	0 57	23 7	0 8	22 29	0 51	17 32	0 18	20 40	1 34	17 56	15 1	10 54	10 33	1 36	5 15	6 13	
F 12	23 8	18 12	3 1	16 54	2 55	21 3	1 57	24 20	0 57	23 5	0 8	22 29	0 51	17 32	0 18	20 40	1 34	17 56	15 1	10 57	10 34	1 38	5 15	6 13	
S 13	23 12	16 20	2 1	17 19	2 47	20 47	1 52	24 19	0 57	23 4	0 8	22 30	0 51	17 31	0 18	20 40	1 34	17 56	15 2	10 58	10 35	1 40	5 15	6 14	
S 14	23 16	13 44	0 57	17 45	2 38	20 31	1 47	24 17	0 57	23 3	0 8	22 30	0 51	17 31	0 18	20 40	1 34	17 57	15 2	10 59	10 36	1 42	5 15	6 14	
M15	23 19	10 34	0n 8	18 11	2 28	20 15	1 42	24 16	0 58	23 2	0 8	22 30	0 51	17 30	0 18	20 40	1 34	17 57	15 2	10 59	10 38	1 44	5 15	6 14	
T 16	23 21	7 2	1 12	18 37	2 18	19 58	1 36	24 14	0 58	23 1	0 9	22 30	0 51	17 30	0 18	20 39	1 34	17 57	15 3	10 59	10 39	1 45	5 15	6 15	
W17	23 23	3 15	2 12	19 4	2 8	19 42	1 30	24 12	0 58	23 0	0 9	22 31	0 50	17 29	0 18	20 39	1 34	17 58	15 3	10 59	10 40	1 47	5 15	6 15	
T 18	23 25	0s37	3 5	19 31	1 57	19 25	1 24	24 10	0 59	22 59	0 9	22 31	0 50	17 29	0 18	20 39	1 34	17 58	15 4	10 59	10 41	1 49	5 15	6 15	
F 19	23 26	4 28	3 51	19 57	1 46	19 8	1 17	24 7	0 59	22 58	0 9	22 31	0 50	17 28	0 18	20 39	1 34	17 58	15 4	11 0	10 42	1 51	5 15	6 16	
S 20	23 27	8 10	4 27	20 23	1 34	18 51	1 10	24 5	0 59	22 56	0 9	22 31	0 50	17 28	0 18	20 39	1 34	17 59	15 4	11 2	10 43	1 53	5 15	6 16	
S 21	23 28	11 35	4 52	20 49	1 23	18 34	1 3	24 2	0 59	22 55	0 9	22 32	0 50	17 27	0 18	20 39	1 34	17 59	15 5	11 4	10 44	1 55	5 15	6 16	
M22	23 28	14 34	5 3	21 14	1 11	18 17	0 56	23 59	1 0	22 54	0 9	22 32	0 50	17 27	0 17	20 38	1 34	17 59	15 5	11 8	10 46	1 57	5 15	6 17	
T 23	23 27	16 56	5 1	21 39	0 59	18 1	0 48	23 56	1 0	22 53	0 9	22 32	0 50	17 26	0 17	20 38	1 33	18 0	15 5	11 11	10 47	1 59	5 15	6 17	
W24	23 27	18 32	4 43	22 2	0 48	17 44	0 40	23 53	1 0	22 51	0 9	22 32	0 50	17 26	0 17	20 38	1 33	18 0	15 6	11 15	10 48	2 1	5 15	6 17	
T 25	23 25	19 11	4 10	22 24	0 36	17 27	0 32	23 49	1 0	22 50	0 9	22 33	0 50	17 26	0 17	20 38	1 33	18 0	15 6	11 18	10 49	2 3	5 15	6 17	
F 26	23 24	18 47	3 23	22 44	0 24	17 10	0 23	23 45	1 1	22 49	0 9	22 33	0 50	17 25	0 17	20 38	1 33	18 1	15 6	11 21	10 50	2 5	5 15	6 18	
S 27	23 22	17 19	2 24	23 3	0 12	16 53	0 14	23 42	1 1	22 47	0 10	22 33	0 50	17 25	0 17	20 37	1 33	18 1	15 7	11 23	10 51	2 7	5 15	6 18	
S 28	23 19	14 50	1 15	23 20	0 1	16 36	0 5	23 38	1 1	22 46	0 10	22 33	0 50	17 24	0 17	20 37	1 33	18 1	15 7	11 24	10 52	2 9	5 16	6 18	
M29	23 17	11 29	0 2	23 35	0n10	16 20	0s 4	23 33	1 1	22 44	0 10	22 34	0 50	17 24	0 17	20 37	1 33	18 2	15 8	11 24	10 53	2 11	5 16	6 19	
T 30	23n13	7s28	1s13	23n48	0n21	16n 3	0s14	23n29	1n 2	22n43	0n10	22s34	0n49	17s24	0n17	20s37	1n33	18s 2	15s 8	11n24	10n55	2s13	5s16	6n19	

ASTRODIENST EPHEMERIS for the year 1812

geocentric

JULY 1812

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 35 34	8°55'00	27°58'	15°13'	16°58'	15°58'	15°58'	4°R22	19°R40	11°R17	19°R28	0°R15	1°R34	13°47'	0°R50	W 1
T 2	18 39 31	9°52'12	12°Y 6	3° 8	15°58	17°37	16° 1	4°318	19°M39	11°R16	19°R28	0°R16	1°31	13°54	0°R48	T 2
F 3	18 43 27	10°49'24	26°19	5°17	16°17	18°16	16°15	4°13	19°38	11°15	19°28	0°15	1°27	14° 0	0°47	F 3
S 4	18 47 24	11°46'36	10°B32	7°26	16°34	18°55	16°28	4° 9	19°36	11°13	19°27	0°12	1°24	14° 7	0°45	S 4
S 5	18 51 21	12°43'49	24°44	9°36	16°50	19°34	16°42	4° 5	19°35	11°12	19°27	0° 7	1°21	14°14	0°43	S 5
M 6	18 55 17	13°41'02	8°II50	11°46	17° 3	20°13	16°55	4° 0	19°34	11°11	19°27	0° 0	1°18	14°21	0°42	M 6
T 7	18 59 14	14°38'15	22°48	13°56	17°14	20°52	17° 9	3°56	19°33	11° 9	19°26	29°Q53	1°15	14°27	0°40	T 7
W 8	19 3 10	15°35'29	6°B32	16° 6	17°23	21°31	17°22	3°52	19°32	11° 8	19°26	29°46	1°11	14°34	0°38	W 8
T 9	19 7 7	16°32'42	20° 1	18°14	17°30	22° 9	17°36	3°47	19°31	11° 7	19°25	29°40	1° 8	14°41	0°36	T 9
F 10	19 11 3	17°29'57	3°Q10	20°23	17°35	22°48	17°49	3°43	19°30	11° 6	19°25	29°35	1° 5	14°47	0°34	F 10
S 11	19 15 0	18°27'11	16° 1	22°30	17°37	23°27	18° 3	3°39	19°29	11° 4	19°25	29°32	1° 2	14°54	0°32	S 11
S 12	19 18 56	19°24'25	28°33	24°35	17°R37	24° 6	18°16	3°35	19°28	11° 3	19°24	29°D32	0°59	15° 1	0°30	S 12
M13	19 22 53	20°21'40	10°M49	26°40	17°35	24°45	18°30	3°31	19°27	11° 2	19°24	29°32	0°56	15° 7	0°28	M13
T 14	19 26 50	21°18'54	22°52	28°43	17°31	25°23	18°43	3°27	19°27	11° 1	19°23	29°33	0°52	15°14	0°26	T 14
W15	19 30 46	22°16'09	4°B47	0°Q44	17°24	26° 2	18°56	3°22	19°26	11° 0	19°22	29°35	0°49	15°21	0°24	W15
T 16	19 34 43	23°13'24	16°38	2°44	17°15	26°41	19°10	3°18	19°25	10°59	19°22	29°36	0°46	15°27	0°22	T 16
F 17	19 38 39	24°10'39	28°30	4°43	17° 3	27°19	19°23	3°14	19°25	10°58	19°21	29°R36	0°43	15°34	0°19	F 17
S 18	19 42 36	25° 7'54	10°M28	6°39	16°49	27°58	19°37	3°10	19°24	10°57	19°21	29°35	0°40	15°41	0°17	S 18
S 19	19 46 32	26° 5'10	22°37	8°34	16°32	28°37	19°50	3° 7	19°23	10°56	19°20	29°32	0°37	15°47	0°15	S 19
M20	19 50 29	27° 2'26	5°B7	10°27	16°14	29°15	20° 4	3° 3	19°23	10°55	19°19	29°29	0°33	15°54	0°12	M20
T 21	19 54 25	27°59'42	17°42	12°19	15°53	29°54	20°17	2°59	19°23	10°54	19°19	29°24	0°30	16° 1	0°10	T 21
W22	19 58 22	28°56'59	0°B43	14° 8	15°29	0°Q33	20°31	2°55	19°22	10°53	19°18	29°19	0°27	16° 7	0° 8	W22
T 23	20 2 19	29°54'16	14° 3	15°56	15° 4	1°11	20°44	2°51	19°22	10°52	19°17	29°15	0°24	16°14	0° 5	T 23
F 24	20 6 15	0°Q51'34	27°43	17°42	14°37	1°50	20°57	2°48	19°22	10°51	19°17	29°11	0°21	16°21	0° 3	F 24
S 25	20 10 12	1°48'53	11°B39	19°26	14° 8	2°28	21°11	2°44	19°21	10°50	19°16	29° 9	0°17	16°28	0° 0	S 25
S 26	20 14 8	2°46'12	25°48	21° 9	13°37	3° 7	21°24	2°41	19°21	10°49	19°15	29°D 8	0°14	16°34	29°B58	S 26
M27	20 18 5	3°43'32	10°B 5	22°50	13° 4	3°45	21°37	2°37	19°21	10°48	19°14	29° 8	0°11	16°41	29°55	M27
T 28	20 22 1	4°40'53	24°27	24°29	12°31	4°24	21°51	2°34	19°21	10°47	19°14	29° 9	0° 8	16°48	29°52	T 28
W29	20 25 58	5°38'16	8°Y48	26° 7	11°56	5° 2	22° 4	2°30	19°D21	10°47	19°13	29°10	0° 5	16°54	29°50	W29
T 30	20 29 54	6°35'39	23° 7	27°42	11°20	5°41	22°17	2°27	19°21	10°46	19°12	29°12	0° 2	17° 1	29°47	T 30
F 31	20 33 51	7°Q33'03	7°B20	29°Q16	10°Q43	6°Q19	22°B30	2°B24	19°M21	10°B45	19°B11	29°R12	29°Q58	17°B 8	29°B44	F 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
W 1	23n10	3s 0	2s24	23n59	0n31	15n47	0s24	23n24	1n 2	22n41	0n10	22s34	0n49	17s23	0n17	20s37	1n33	18s 3	15s 8	11n24	10n56	2s15	5s16	6n19			
T 2	23 6	1n38	3 26	24 7	0 41	15 31	0 34	23 19	1 2	22 40	0 10	22 34	0 49	17 23	0 17	20 37	1 33	18 3	15 9	11 23	10 57	2 17	5 17	6 19			
F 3	23 1	6 11	4 16	24 12	0 51	15 15	0 45	23 14	1 2	22 38	0 10	22 34	0 49	17 23	0 17	20 37	1 33	18 4	15 9	11 24	10 58	2 19	5 17	6 20			
S 4	22 56	10 24	4 50	24 14	0 59	15 0	0 56	23 9	1 2	22 37	0 10	22 35	0 49	17 22	0 17	20 36	1 33	18 4	15 9	11 25	10 59	2 21	5 17	6 20			
S 5	22 51	14 0	5 7	24 14	1 7	14 44	1 7	23 4	1 3	22 35	0 10	22 35	0 49	17 22	0 17	20 36	1 33	18 5	15 10	11 27	11 0	2 23	5 18	6 20			
M 6	22 45	16 47	5 4	24 11	1 15	14 29	1 19	22 58	1 3	22 34	0 10	22 35	0 49	17 22	0 17	20 36	1 33	18 5	15 10	11 29	11 1	2 25	5 18	6 20			
T 7	22 39	18 32	4 44	24 5	1 22	14 15	1 30	22 53	1 3	22 32	0 10	22 35	0 49	17 22	0 17	20 36	1 33	18 5	15 10	11 31	11 3	2 27	5 18	6 21			
W 8	22 33	19 11	4 7	23 57	1 28	14 1	1 43	22 47	1 3	22 30	0 11	22 36	0 49	17 21	0 17	20 36	1 33	18 6	15 11	11 34	11 4	2 29	5 19	6 21			
T 9	22 26	18 43	3 18	23 45	1 33	13 47	1 55	22 41	1 3	22 29	0 11	22 36	0 49	17 21	0 17	20 36	1 33	18 6	15 11	11 36	11 5	2 31	5 19	6 21			
F 10	22 19	17 14	2 18	23 31	1 38	13 33	2 8	22 35	1 4	22 27	0 11	22 36	0 49	17 21	0 17	20 36	1 33	18 7	15 11	11 38	11 6	2 33	5 20	6 21			
S 11	22 11	14 54	1 13	23 15	1 41	13 20	2 20	22 28	1 4	22 25	0 11	22 36	0 48	17 21	0 17	20 35	1 33	18 7	15 12	11 39	11 7	2 35	5 20	6 22			
S 12	22 3	11 54	0 5	22 56	1 44	13 8	2 34	22 22	1 4	22 24	0 11	22 36	0 48	17 20	0 17	20 35	1 33	18 8	15 12	11 39	11 8	2 37	5 21	6 22			
M13	21 55	8 28	1n 1	22 35	1 47	12 55	2 47	22 15	1 4	22 22	0 11	22 37	0 48	17 20	0 17	20 35	1 33	18 8	15 12	11 39	11 9	2 39	5 21	6 22			
T 14	21 46	4 43	2 4	22 12	1 48	12 44	3 0	22 8	1 4	22 20	0 11	22 37	0 48	17 20	0 17	20 35	1 33	18 9	15 13	11 38	11 10	2 41	5 22	6 22			
W15	21 37	0 51	3 0	21 47	1 49	12 33	3 14	22 1	1 5	22 18	0 11	22 37	0 48	17 20	0 17	20 35	1 33	18 9	15 13	11 38	11 12	2 43	5 22	6 22			
T 16	21 28	3s 1	3 49	21 20	1 49	12 23	3 28	21 54	1 5	22 17	0 11	22 37	0 48	17 20	0 17	20 35	1 33	18 10	15 13	11 37	11 13	2 45	5 23	6 23			
F 17	21 18	6 47	4 28	20 52	1 49	12 13	3 42	21 47	1 5	22 15	0 11	22 38	0 48	17 20	0 17	20 35	1 33	18 10	15 14	11 37	11 14	2 47	5 23	6 23			
S 18	21 8	10 18	4 55	20 22	1 48	12 4	3 56	21 39	1 5	22 13	0 12	22 38	0 48	17 19	0 17	20 35	1 33	18 11	15 14	11 38	11 15	2 49	5 24	6 23			
S 19	20 57	13 27	5 10	19 50	1 46	11 55	4 10	21 31	1 5	22 11	0 12	22 38	0 48	17 19	0 17	20 34	1 33	18 12	15 14	11 39	11 16	2 51	5 25	6 23			
M20	20 46	16 3	5 11	19 18	1 43	11 47	4 24	21 24	1 5	22 9	0 12	22 38	0 47	17 19	0 17	20 34	1 33	18 12	15 15	11 40	11 17	2 53	5 25	6 23			
T 21	20 35	17 58	4 57	18 44	1 40	11 40	4 38	21 16	1 6	22 7	0 12	22 38	0 47	17 19	0 17	20 34	1 33	18 13	15 15	11 42	11 18	2 55	5 26	6 24			
W22	20 23	19 1	4 27	18 9	1 37	11 34	4 51	21 7	1 6	22 5	0 12	22 39	0 47	17 19	0 17	20 34	1 32	18 13	15 15	11 43	11 19	2 57	5 27	6 24			
T 23	20 11	19 2	3 42	17 33	1 33	11 28	5 5	20 59	1 6	22 3	0 12	22 39	0 47	17 19	0 17	20 34	1 32	18 14	15 16	11 45	11 21	2 59	5 27	6 24			
F 24	19 59	17 58	2 44	16 57	1 29	11 23	5 18	20 51	1 6	22 2	0 12	22 39	0 47	17 19	0 17	20 34	1 32	18 14	15 16	11 46	11 22	3 1	5 28	6 24			
S 25	19 46	15 48	1 35	16 20	1 24	11 19	5 31	20 42	1 6	22 0	0 12	22 39	0 47	17 19	0 17	20 34	1 32	18 15	15 16	11 47	11 23	3 3	5 29	6 24			
S 26	19 34	12 39	0 18	15 42	1 18	11 15	5 44	20 33	1 6	21 58	0 12	22 39	0 47	17 19	0 17	20 34	1 32	18 15	15 16	11 47	11 24	3 5	5 30	6 24			
M27	19 20	8 43	1s 0	15 3	1 12	11 12	5 56	20 24	1 7	21 56	0 12	22 40	0 47	17 19	0 17	20 34	1 32	18 16	15 17	11 47	11 25	3 7	5 30	6 24			
T 28	19 7	4 16	2 15	14 25	1 6	11 10	6 8	20 15	1 7	21 54	0 12	22 40	0 46	17 19	0 17	20 34	1 32	18 17	15 17	11 47	11 26	3 9	5 31	6 25			
W29	18 53	0n25	3 21	13 46	1 0	11 9	6 19	20 6	1 7	21 52	0 13	22 40	0 46	17 19	0 17	20 34	1 32	18 17	15 17	11 46	11 27	3 11	5 32	6 25			
T 30	18 39	5 3	4 15	13 6	0 53	11 8	6 30	19 57	1 7	21 50	0 13	22 40	0 46	17 19	0 17	20 34	1 32	18 18	15 18	11 46	11 28	3 13	5 33	6 25			
F 31	18n24	9n21	4s53	12n27	0n45	11n 8	6s40	19n48	1n 7	21n47	0n13	22s40	0n46	17s19	0n17	20s34	1n32	18s18	15s18	11n46	11n30	3s15	5s34	6n25			

ASTRODIENST EPHEMERIS for the year 1812

geocentric

AUGUST 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 48	8♌30'29	21♋25	0♉49	10°R 6	6♌58	22♋44	2°R21	19♌21	10°R44	19°R10	29°R12	29♌55	17♌14	29°R42	S 1
S 2	20 41 44	9°27'56	5♈21	2°19	9♌29	7°36	22°57	2♋18	19°22	10♌44	19°R 9	29♌10	29°52	17°21	29°R39	S 2
M 3	20 45 41	10°25'25	19° 5	3°48	8°51	8°15	23°10	2°15	19°22	10°43	19° 8	29° 8	29°49	17°28	29°36	M 3
T 4	20 49 37	11°22'54	2♋37	5°16	8°14	8°53	23°23	2°12	19°22	10°43	19° 8	29° 6	29°46	17°34	29°33	T 4
W 5	20 53 34	12°20'25	15°55	6°41	7°38	9°31	23°36	2° 9	19°23	10°42	19° 7	29° 3	29°43	17°41	29°30	W 5
T 6	20 57 30	13°17'57	28°59	8° 5	7° 2	10°10	23°49	2° 6	19°23	10°41	19° 6	29° 1	29°39	17°48	29°28	T 6
F 7	21 1 27	14°15'30	11♌49	9°26	6°27	10°48	24° 2	2° 3	19°23	10°41	19° 5	29° 0	29°36	17°54	29°25	F 7
S 8	21 5 23	15°13'04	24°24	10°46	5°53	11°27	24°15	2° 1	19°24	10°40	19° 4	28°D59	29°33	18° 1	29°22	S 8
S 9	21 9 20	16°10'39	6♉46	12° 4	5°20	12° 5	24°28	1°58	19°24	10°40	19° 3	28°59	29°30	18° 8	29°19	S 9
M10	21 13 17	17° 8'16	18°55	13°20	4°49	12°43	24°41	1°56	19°25	10°40	19° 2	29° 0	29°27	18°15	29°16	M10
T 11	21 17 13	18° 5'53	0♉55	14°35	4°20	13°22	24°54	1°53	19°26	10°39	19° 1	29° 1	29°23	18°21	29°13	T 11
W12	21 21 10	19° 3'31	12°48	15°47	3°52	14° 0	25° 7	1°51	19°26	10°39	19° 0	29° 2	29°20	18°28	29°10	W12
T 13	21 25 6	20° 1'11	24°39	16°56	3°26	14°38	25°20	1°49	19°27	10°38	18°59	29° 3	29°17	18°35	29° 7	T 13
F 14	21 29 3	20°58'51	6♌31	18° 4	3° 3	15°17	25°32	1°47	19°28	10°38	18°58	29° 4	29°14	18°41	29° 4	F 14
S 15	21 32 59	21°56'33	18°28	19° 9	2°41	15°55	25°45	1°45	19°29	10°38	18°57	29°R 4	29°11	18°48	29° 1	S 15
S 16	21 36 56	22°54'15	0♉36	20°12	2°22	16°33	25°58	1°43	19°30	10°38	18°55	29° 4	29° 8	18°55	28°58	S 16
M17	21 40 52	23°51'59	12°58	21°13	2° 5	17°11	26°10	1°41	19°31	10°37	18°54	29° 4	29° 4	19° 1	28°55	M17
T 18	21 44 49	24°49'44	25°39	22°10	1°50	17°50	26°23	1°39	19°32	10°37	18°53	29° 3	29° 1	19° 8	28°52	T 18
W19	21 48 46	25°47'30	8♋43	23° 5	1°38	18°28	26°36	1°37	19°33	10°37	18°52	29° 3	28°58	19°15	28°49	W19
T 20	21 52 42	26°45'17	22°10	23°57	1°28	19° 6	26°48	1°36	19°34	10°37	18°51	29° 2	28°55	19°21	28°46	T 20
F 21	21 56 39	27°43'06	6♌ 1	24°46	1°20	19°44	27° 0	1°34	19°35	10°37	18°50	29° 2	28°52	19°28	28°43	F 21
S 22	22 0 35	28°40'56	20°14	25°31	1°15	20°23	27°13	1°33	19°36	10°37	18°49	29° 2	28°48	19°35	28°40	S 22
S 23	22 4 32	29°38'47	4♉45	26°13	1°13	21° 1	27°25	1°31	19°38	10°D37	18°48	29° 2	28°45	19°42	28°37	S 23
M24	22 8 28	0♉36'40	19°28	26°51	1°D12	21°39	27°37	1°30	19°39	10°37	18°47	29° 2	28°42	19°48	28°34	M24
T 25	22 12 25	1°34'34	4♉16	27°25	1°14	22°17	27°50	1°29	19°40	10°37	18°45	29° 2	28°39	19°55	28°31	T 25
W26	22 16 21	2°32'30	19° 2	27°55	1°18	22°55	28° 2	1°28	19°42	10°37	18°44	29° 2	28°36	20° 2	28°28	W26
T 27	22 20 18	3°30'28	3♋39	28°20	1°25	23°34	28°14	1°27	19°43	10°37	18°43	29° 1	28°33	20° 8	28°25	T 27
F 28	22 24 15	4°28'28	18° 4	28°41	1°34	24°12	28°26	1°26	19°45	10°37	18°42	29° 1	28°29	20°15	28°22	F 28
S 29	22 28 11	5°26'30	2♈11	28°56	1°45	24°50	28°38	1°25	19°46	10°38	18°41	29°D 1	28°26	20°22	28°19	S 29
S 30	22 32 8	6°24'34	16° 0	29° 7	1°58	25°28	28°50	1°25	19°48	10°38	18°40	29° 1	28°23	20°28	28°16	S 30
M31	22 36 4	7♉22'40	29♈31	29°R11	2♌13	26♌ 6	29°D 2	1♋24	19♌50	10♌38	18°38	29♌ 1	28♌20	20°D35	28°R13	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n 9	13n 6	5s12	11n47	0n38	11n 9	6s50	19n38	1n 7	21n45	0n13	22s41	0n46	17s19	0n17	20s34
S 2	17 54	16 4	5 13	11 7	0 30	11 10	6 58	19 28	1 7	21 43	0 13	22 41	0 46	17 19	0 17	20 33
M 3	17 39	18 5	4 56	10 28	0 22	11 12	7 6	19 18	1 7	21 41	0 13	22 41	0 46	17 19	0 17	20 33
T 4	17 23	19 3	4 23	9 48	0 13	11 14	7 13	19 8	1 8	21 39	0 13	22 41	0 46	17 19	0 17	20 33
W 5	17 7	18 56	3 36	9 8	0 5	11 17	7 20	18 58	1 8	21 37	0 13	22 41	0 45	17 19	0 16	20 33
T 6	16 51	17 48	2 38	8 29	0s 4	11 21	7 25	18 48	1 8	21 35	0 13	22 41	0 45	17 20	0 16	20 33
F 7	16 34	15 46	1 34	7 50	0 13	11 25	7 30	18 38	1 8	21 33	0 14	22 42	0 45	17 20	0 16	20 33
S 8	16 17	13 0	0 25	7 11	0 23	11 29	7 34	18 27	1 8	21 30	0 14	22 42	0 45	17 20	0 16	20 33
S 9	16 0	9 42	0n43	6 32	0 32	11 34	7 37	18 17	1 8	21 28	0 14	22 42	0 45	17 20	0 16	20 33
M10	15 43	6 3	1 48	5 54	0 42	11 39	7 39	18 6	1 8	21 26	0 14	22 42	0 45	17 20	0 16	20 33
T 11	15 25	2 12	2 48	5 17	0 52	11 44	7 40	17 55	1 8	21 24	0 14	22 42	0 45	17 20	0 16	20 33
W12	15 7	1s41	3 40	4 40	1 2	11 50	7 41	17 44	1 8	21 22	0 14	22 43	0 44	17 21	0 16	20 33
T 13	14 49	5 30	4 22	4 4	1 12	11 56	7 41	17 33	1 9	21 19	0 14	22 43	0 44	17 21	0 16	20 33
F 14	14 31	9 5	4 53	3 28	1 22	12 2	7 40	17 22	1 9	21 17	0 14	22 43	0 44	17 21	0 16	20 33
S 15	14 12	12 20	5 12	2 53	1 32	12 8	7 39	17 11	1 9	21 15	0 14	22 43	0 44	17 21	0 16	20 33
S 16	13 54	15 7	5 17	2 19	1 42	12 14	7 36	16 59	1 9	21 13	0 15	22 43	0 44	17 22	0 16	20 33
M17	13 35	17 17	5 8	1 46	1 53	12 20	7 34	16 48	1 9	21 10	0 15	22 43	0 44	17 22	0 16	20 33
T 18	13 15	18 40	4 44	1 13	2 3	12 27	7 30	16 36	1 9	21 8	0 15	22 44	0 44	17 22	0 16	20 33
W19	12 56	19 6	4 5	0 42	2 13	12 33	7 27	16 24	1 9	21 6	0 15	22 44	0 43	17 23	0 16	20 33
T 20	12 36	18 30	3 11	0 12	2 24	12 39	7 22	16 12	1 9	21 4	0 15	22 44	0 43	17 23	0 16	20 34
F 21	12 17	16 47	2 4	0s16	2 34	12 46	7 17	16 0	1 9	21 1	0 15	22 44	0 43	17 23	0 16	20 34
S 22	11 57	13 59	0 49	0 43	2 44	12 52	7 12	15 48	1 9	20 59	0 15	22 44	0 43	17 24	0 16	20 34
S 23	11 36	10 16	0s32	1 9	2 54	12 58	7 7	15 36	1 9	20 57	0 15	22 44	0 43	17 24	0 16	20 34
M24	11 16	5 53	1 51	1 33	3 3	13 4	7 1	15 24	1 9	20 54	0 15	22 44	0 43	17 24	0 16	20 34
T 25	10 55	1 7	3 3	1 55	3 13	13 10	6 54	15 12	1 10	20 52	0 16	22 45	0 43	17 25	0 16	20 34
W26	10 35	3n42	4 3	2 15	3 22	13 15	6 48	14 59	1 10	20 50	0 16	22 45	0 42	17 25	0 16	20 34
T 27	10 14	8 15	4 47	2 34	3 31	13 20	6 41	14 47	1 10	20 48	0 16	22 45	0 42	17 26	0 16	20 34
F 28	9 53	12 14	5 12	2 49	3 39	13 26	6 34	14 34	1 10	20 45	0 16	22 45	0 42	17 26	0 16	20 34
S 29	9 31	15 26	5 17	3 3	3 47	13 30	6 26	14 21	1 10	20 43	0 16	22 45	0 42	17 26	0 16	20 34
S 30	9 10	17 42	5 3	3 13	3 54	13 35	6 19	14 8	1 10	20 41	0 16	22 45	0 42	17 27	0 16	20 34
M31	8n49	18n54	4s34	3s21	4s 0	13n39	6s11	13n55	1n10	20n38	0n16	22s46	0n42	17s27	0n16	20s34

Julian Day Number = 2383091.5, Delta T = 15.50 sec
 Ecliptic obliquity = 23°27'41, Nutation = - 0°00'08, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°07'24, Lahiri = 21°14'25

ASTRODIENST EPHEMERIS for the year 1812

geocentric

SEPTEMBER 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 1	8 ^h 20'48"	12 ^h 54'44"	29°R10	2 ^h 23'0	26 ^h 24'4	29 ^h 54'1	1°R24	19 ^h 15'1	10 ^h 27'3	18°R37	29 ^h 2	28 ^h 21'7	20 ^h 24'2	28°R10	T 1
W 2	22 43 57	9°18'57"	25°41'	29 ^h 3	2°49'	27°22'	29°25'	1°23'23"	19°53'	10°39'	18°36'	29°3	28°14'	20°48'	28°7	W 2
T 3	22 47 54	10°17'09"	8 ^h 24'	28°50'	3°9'	28°1'	29°37'	1°23'	19°55'	10°39'	18°35'	29°4	28°10'	20°55'	28°4	T 3
F 4	22 51 50	11°15'22"	20°54'	28°30'	3°32'	28°39'	29°49'	1°23'	19°57'	10°39'	18°33'	29°4	28°7'	21°2'	28°2	F 4
S 5	22 55 47	12°13'38"	3 ^h 13'	28°3'	3°56'	29°17'	0 ^h 0'	1°D23'	19°59'	10°40'	18°32'	29°R 5	28°4'	21°9'	27°59'	S 5
S 6	22 59 44	13°11'55"	15°22'	27°31'	4°22'	29°55'	0°12'	1°23'	20°1'	10°40'	18°31'	29°4	28°1'	21°15'	27°56'	S 6
M 7	23 3 40	14°10'13"	27°23'	26°52'	4°50'	0 ^h 33'	0°23'	1°23'	20°3'	10°41'	18°30'	29°3	27°58'	21°22'	27°53'	M 7
T 8	23 7 37	15°8'34"	9 ^h 21'	26°7'	5°19'	1°11'	0°34'	1°23'	20°5'	10°41'	18°29'	29°0	27°54'	21°29'	27°50'	T 8
W 9	23 11 33	16°6'56"	21°9'	25°17'	5°49'	1°49'	0°46'	1°23'	20°7'	10°42'	18°27'	28°58'	27°51'	21°35'	27°47'	W 9
T 10	23 15 30	17°5'20"	2 ^h 15'	24°22'	6°21'	2°27'	0°57'	1°24'	20°9'	10°42'	18°26'	28°55'	27°48'	21°42'	27°44'	T 10
F 11	23 19 26	18°3'46"	14°51'	23°24'	6°55'	3°6'	1°8'	1°24'	20°11'	10°43'	18°25'	28°52'	27°45'	21°49'	27°42'	F 11
S 12	23 23 23	19°2'13"	26°47'	22°23'	7°30'	3°44'	1°19'	1°25'	20°13'	10°44'	18°24'	28°50'	27°42'	21°55'	27°39'	S 12
S 13	23 27 19	20°0'42"	8 ^h 25'	21°20'	8°6'	4°22'	1°30'	1°25'	20°16'	10°44'	18°22'	28°49'	27°39'	22°2'	27°36'	S 13
M14	23 31 16	20°59'13"	21°12'	20°18'	8°43'	5°0'	1°41'	1°26'	20°18'	10°45'	18°21'	28°D48'	27°35'	22°9'	27°34'	M14
T 15	23 35 12	21°57'45"	3 ^h 24'	19°17'	9°21'	5°38'	1°51'	1°27'	20°20'	10°46'	18°20'	28°49'	27°32'	22°15'	27°31'	T 15
W16	23 39 9	22°56'20"	16°47'	18°19'	10°1'	6°16'	2°2'	1°28'	20°23'	10°46'	18°19'	28°50'	27°29'	22°22'	27°28'	W16
T 17	23 43 6	23°54'55"	0 ^h 21'	17°26'	10°42'	6°54'	2°13'	1°29'	20°25'	10°47'	18°18'	28°51'	27°26'	22°29'	27°26'	T 17
F 18	23 47 2	24°53'33"	14°1'	16°39'	11°24'	7°32'	2°23'	1°30'	20°27'	10°48'	18°16'	28°53'	27°23'	22°36'	27°23'	F 18
S 19	23 50 59	25°52'12"	28°18'	15°58'	12°7'	8°10'	2°33'	1°32'	20°30'	10°49'	18°15'	28°R53'	27°20'	22°42'	27°21'	S 19
S 20	23 54 55	26°50'52"	13 ^h 0'	15°26'	12°50'	8°48'	2°44'	1°33'	20°32'	10°50'	18°14'	28°53'	27°16'	22°49'	27°18'	S 20
M21	23 58 52	27°49'35"	27°59'	15°3'	13°35'	9°26'	2°54'	1°34'	20°35'	10°51'	18°13'	28°51'	27°13'	22°56'	27°16'	M21
T 22	0 2 48	28°48'20"	13 ^h 8'	14°50'	14°21'	10°4'	3°4'	1°36'	20°38'	10°52'	18°12'	28°47'	27°10'	23°2'	27°13'	T 22
W23	0 6 45	29°47'06"	28°18'	14°D46'	15°8'	10°42'	3°14'	1°38'	20°40'	10°53'	18°10'	28°43'	27°7'	23°9'	27°11'	W23
T 24	0 10 41	0 ^h 24'55"	13 ^h 18'	14°53'	15°55'	11°20'	3°24'	1°39'	20°43'	10°54'	18°9'	28°39'	27°4'	23°16'	27°8'	T 24
F 25	0 14 38	1°44'47"	27°59'	15°9'	16°44'	11°58'	3°34'	1°41'	20°46'	10°55'	18°8'	28°35'	27°0'	23°22'	27°6'	F 25
S 26	0 18 35	2°43'40"	12 ^h 18'	15°36'	17°33'	12°36'	3°43'	1°43'	20°48'	10°56'	18°7'	28°32'	26°57'	23°29'	27°4'	S 26
S 27	0 22 31	3°42'36"	26°11'	16°12'	18°23'	13°14'	3°53'	1°45'	20°51'	10°57'	18°6'	28°30'	26°54'	23°36'	27°2'	S 27
M28	0 26 28	4°41'34"	9 ^h 23'	16°56'	19°14'	13°52'	4°2'	1°47'	20°54'	10°58'	18°4'	28°D30'	26°51'	23°43'	26°59'	M28
T 29	0 30 24	5°40'35"	22°44'	17°49'	20°6'	14°31'	4°12'	1°50'	20°57'	10°59'	18°3'	28°31'	26°48'	23°49'	26°57'	T 29
W30	0 34 21	6 ^h 23'38"	5 ^h 29'	18 ^h 50'	20 ^h 25'	15 ^h 10'	4 ^h 21'	1°25'	21 ^h 0'	11 ^h 27'	18 ^h 2'	28 ^h 32'	26 ^h 45'	23 ^h 25'	26 ^h 55'	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	8n27	19n 2	3s50	3s26	4s 6	13n43	6s 3	13n42	1n10	20n36	0n16	22s46	0n42	17s28	0n16	20s34	1n30	18s37	15s24	11n49	12n 5	4s18	6s 6	6n25			
W 2	8 5	18 10	2 55	3 27	4 11	13 47	5 55	13 29	1 10	20 34	0 17	22 46	0 41	17 28	0 16	20 34	1 30	18 38	15 24	11 49	12 6	4 20	6 7	6 24			
T 3	7 43	16 23	1 52	3 25	4 14	13 50	5 47	13 16	1 10	20 31	0 17	22 46	0 41	17 29	0 16	20 35	1 30	18 38	15 24	11 49	12 7	4 22	6 8	6 24			
F 4	7 21	13 50	0 45	3 20	4 17	13 53	5 39	13 3	1 10	20 29	0 17	22 46	0 41	17 29	0 16	20 35	1 30	18 39	15 24	11 48	12 8	4 24	6 9	6 24			
S 5	6 59	10 42	0n23	3 10	4 18	13 55	5 31	12 50	1 10	20 27	0 17	22 46	0 41	17 30	0 16	20 35	1 30	18 39	15 24	11 48	12 9	4 26	6 10	6 24			
S 6	6 37	7 8	1 29	2 57	4 18	13 57	5 23	12 36	1 10	20 24	0 17	22 46	0 41	17 30	0 16	20 35	1 30	18 40	15 24	11 49	12 11	4 28	6 12	6 24			
M 7	6 14	3 20	2 30	2 39	4 15	13 59	5 15	12 23	1 10	20 22	0 17	22 47	0 41	17 31	0 16	20 35	1 30	18 40	15 24	11 49	12 12	4 30	6 13	6 24			
T 8	5 52	0s33	3 24	2 18	4 12	14 0	5 6	12 9	1 10	20 20	0 17	22 47	0 41	17 32	0 16	20 35	1 30	18 41	15 24	11 50	12 13	4 32	6 14	6 23			
W 9	5 29	4 24	4 9	1 53	4 6	14 1	4 58	11 56	1 10	20 17	0 17	22 47	0 40	17 32	0 16	20 35	1 30	18 41	15 24	11 51	12 14	4 34	6 15	6 23			
T 10	5 6	8 4	4 44	1 25	3 59	14 2	4 49	11 42	1 10	20 15	0 18	22 47	0 40	17 33	0 16	20 35	1 30	18 42	15 24	11 52	12 15	4 36	6 16	6 23			
F 11	4 43	11 26	5 6	0 53	3 49	14 2	4 41	11 28	1 10	20 13	0 18	22 47	0 40	17 33	0 16	20 36	1 30	18 42	15 24	11 53	12 16	4 38	6 17	6 23			
S 12	4 21	14 21	5 15	0 18	3 38	14 1	4 33	11 14	1 10	20 10	0 18	22 47	0 40	17 34	0 16	20 36	1 30	18 43	15 24	11 53	12 17	4 40	6 18	6 23			
S 13	3 58	16 41	5 10	0n18	3 24	14 0	4 24	11 1	1 10	20 8	0 18	22 47	0 40	17 35	0 16	20 36	1 30	18 43	15 24	11 54	12 18	4 42	6 19	6 22			
M14	3 35	18 19	4 51	0 57	3 9	13 59	4 16	10 47	1 10	20 6	0 18	22 48	0 40	17 35	0 16	20 36	1 30	18 44	15 24	11 54	12 19	4 44	6 20	6 22			
T 15	3 11	19 6	4 18	1 36	2 53	13 57	4 8	10 33	1 10	20 4	0 18	22 48	0 40	17 36	0 16	20 36	1 30	18 44	15 24	11 54	12 20	4 46	6 22	6 22			
W16	2 48	18 55	3 31	2 15	2 35	13 55	3 59	10 19	1 10	20 1	0 18	22 48	0 39	17 37	0 16	20 36	1 29	18 45	15 24	11 53	12 21	4 48	6 23	6 22			
T 17	2 25	17 40	2 31	2 53	2 16	13 52	3 51	10 4	1 10	19 59	0 18	22 48	0 39	17 37	0 16	20 37	1 29	18 45	15 24	11 53	12 23	4 50	6 24	6 22			
F 18	2 2	15 21	1 21	3 29	1 57	13 48	3 43	9 50	1 10	19 57	0 19	22 48	0 39	17 38	0 15	20 37	1 29	18 46	15 24	11 52	12 24	4 52	6 25	6 21			
S 19	1 39	12 1	0 3	4 3	1 37	13 45	3 34	9 36	1 10	19 55	0 19	22 48	0 39	17 39	0 15	20 37	1 29	18 46	15 24	11 52	12 25	4 54	6 26	6 21			
S 20	1 15	7 52	1s17	4 34	1 17	13 40	3 26	9 22	1 10	19 53	0 19	22 48	0 39	17 39	0 15	20 37	1 29	18 47	15 24	11 52	12 26	4 56	6 27	6 21			
M21	0 52	3 8	2 33	5 1	0 57	13 36	3 18	9 7	1 10	19 50	0 19	22 48	0 39	17 40	0 15	20 37	1 29	18 47	15 24	11 53	12 27	4 58	6 28	6 21			
T 22	0 29	1n50	3 39	5 24	0 38	13 30	3 10	8 53	1 10	19 48	0 19	22 49	0 39	17 41	0 15	20 37	1 29	18 48	15 24	11 54	12 28	5 0	6 29	6 20			
W23	0 5	6 41	4 30	5 43	0 19	13 24	3 2	8 39	1 10	19 46	0 19	22 49	0 38	17 41	0 15	20 38	1 29	18 48	15 24	11 56	12 29	5 2	6 30	6 20			
T 24	0s18	11 3	5 1	5 57	0 1	13 18	2 54	8 24	1 10	19 44	0 19	22 49	0 38	17 42	0 15	20 38	1 29	18 48	15 24	11 57	12 30	5 4	6 31	6 20			
F 25	0 42	14 39	5 12	6 6	0n16	13 11	2 46	8 10	1 10	19 42	0 20	22 49	0 38	17 43	0 15	20 38	1 29	18 49	15 24	11 59	12 31	5 6	6 32	6 19			
S 26	1 5	17 17	5 3	6 10	0 31	13 4	2 39	7 55	1 10	19 40	0 20	22 49	0 38	17 44	0 15	20 38	1 29	18 49	15 24	12 0	12 32	5 8	6 33	6 19			
S 27	1 29	18 48	4 37	6 9	0 45	12 56	2 31	7 40	1 10	19 37	0 20	22 49	0 38	17 44	0 15	20 38	1 29	18 50	15 24	12 0	12 33	5 10	6 34	6 19			
M28	1 52	19 12	3 55	6 3	0 58	12 48	2 23	7 26	1 10	19 35	0 20	22 49	0 38	17 45	0 15	20 39	1 29	18 50	15 24	12 0	12 35	5 12	6 35	6 19			
T 29	2 15	18 32	3 3	5 53	1 10	12 39	2 16	7 11	1 10	19 33	0 20	22 49	0 38	17 46	0 15	20 39	1 29	18 50	15 24	12 0	12 36	5 14	6 36	6 18			
W30	2s39	16n56	2s 2	5n39	1n20	12n30	2s 8	6n56	1n10	19n31	0n20	22s49	0n37	17s47	0n15	20s39	1n29	18s51	15s23	12n 0	12n37	5s16	6s37	6n18			

ASTRODIENST EPHEMERIS for the year 1812

geocentric

OCTOBER 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 17	7♂38'43	17♂57	19♂57	21♂51	15♂47	4♂30	1♂54	21♂3	11♂2	18♂R 1	28♂34	26♂41	24♂3	26♂R53	T 1
F 2	0 42 14	8°37'50	0♂12	21°11	22°44	16°25	4°39	1°57	21°6	11°3	18♂0	28♂R34	26°38	24°9	26♂51	F 2
S 3	0 46 10	9°37'00	12°17	22°30	23°38	17°3	4°48	1°59	21°9	11°4	17°59	28°33	26°35	24°16	26°49	S 3
S 4	0 50 7	10°36'11	24°16	23°53	24°33	17°41	4°57	2°2	21°12	11°5	17°58	28°30	26°32	24°23	26°47	S 4
M 5	0 54 4	11°35'25	6♂10	25°21	25°29	18°19	5°5	2°5	21°15	11°7	17°56	28°25	26°29	24°29	26°45	M 5
T 6	0 58 0	12°34'41	18°2	26°53	26°25	18°57	5°14	2°8	21°18	11°8	17°55	28°18	26°25	24°36	26°44	T 6
W 7	1 1 57	13°33'59	29°52	28°27	27°21	19°35	5°22	2°11	21°21	11°10	17°54	28°9	26°22	24°43	26°42	W 7
T 8	1 5 53	14°33'19	11♂43	0♂3	28°18	20°13	5°31	2°14	21°24	11°11	17°53	28°0	26°19	24°50	26°40	T 8
F 9	1 9 50	15°32'41	23°37	1°42	29°16	20°51	5°39	2°17	21°27	11°12	17°52	27°51	26°16	24°56	26°38	F 9
S 10	1 13 46	16°32'05	5♂36	3°22	0♂14	21°29	5°47	2°20	21°30	11°14	17°51	27°43	26°13	25°3	26°37	S 10
S 11	1 17 43	17°31'30	17°42	5°3	1°12	22°7	5°55	2°23	21°34	11°15	17°50	27°37	26°10	25°10	26°35	S 11
M12	1 21 39	18°30'58	29°59	6°45	2°11	22°45	6°2	2°27	21°37	11°17	17°49	27°33	26°6	25°16	26°34	M12
T 13	1 25 36	19°30'27	12♂32	8°28	3°11	23°23	6°10	2°30	21°40	11°18	17°48	27°31	26°3	25°23	26°32	T 13
W14	1 29 32	20°29'58	25°24	10°11	4°11	24°1	6°17	2°34	21°43	11°20	17°47	27°D31	26°0	25°30	26°31	W14
T 15	1 33 29	21°29'31	8♂38	11°54	5°11	24°39	6°25	2°38	21°47	11°22	17°46	27°32	25°57	25°36	26°29	T 15
F 16	1 37 26	22°29'05	22°19	13°38	6°12	25°17	6°32	2°41	21°50	11°23	17°45	27°R33	25°54	25°43	26°28	F 16
S 17	1 41 22	23°28'42	6♂28	15°21	7°13	25°55	6°39	2°45	21°53	11°25	17°44	27°33	25°51	25°50	26°27	S 17
S 18	1 45 19	24°28'19	21°5	17°4	8°15	26°33	6°46	2°49	21°57	11°27	17°43	27°30	25°47	25°57	26°26	S 18
M19	1 49 15	25°27'59	6♂4	18°47	9°16	27°11	6°53	2°53	22°0	11°28	17°42	27°26	25°44	26°3	26°25	M19
T 20	1 53 12	26°27'41	21°19	20°29	10°19	27°49	6°59	2°57	22°4	11°30	17°41	27°19	25°41	26°10	26°24	T 20
W21	1 57 8	27°27'24	6♂40	22°11	11°21	28°27	7°6	3°1	22°7	11°32	17°40	27°10	25°38	26°17	26°23	W21
T 22	2 1 5	28°27'10	21°55	23°53	12°24	29°5	7°12	3°5	22°11	11°33	17°39	27°1	25°35	26°23	26°22	T 22
F 23	2 5 1	29°26'58	6♂52	25°34	13°28	29°43	7°18	3°10	22°14	11°35	17°39	26°52	25°31	26°30	26°21	F 23
S 24	2 8 58	0♂26'48	21°25	27°15	14°31	0♂21	7°24	3°14	22°18	11°37	17°38	26°44	25°28	26°37	26°20	S 24
S 25	2 12 55	1°26'40	5♂29	28°55	15°36	0°59	7°30	3°18	22°21	11°39	17°37	26°39	25°25	26°44	26°19	S 25
M26	2 16 51	2°26'35	19°3	0♂35	16°40	1°37	7°36	3°23	22°25	11°41	17°36	26°36	25°22	26°50	26°18	M26
T 27	2 20 48	3°26'32	2♂9	2°14	17°44	2°15	7°41	3°27	22°28	11°42	17°35	26°D35	25°19	26°57	26°18	T 27
W28	2 24 44	4°26'31	14°51	3°53	18°49	2°53	7°47	3°32	22°32	11°44	17°34	26°36	25°16	27°4	26°17	W28
T 29	2 28 41	5°26'32	27°14	5°32	19°55	3°31	7°52	3°37	22°35	11°46	17°34	26°R36	25°12	27°10	26°17	T 29
F 30	2 32 37	6°26'35	9♂22	7°9	21°0	4°9	7°57	3°42	22°39	11°48	17°33	26°35	25°9	27°17	26°16	F 30
S 31	2 36 34	7♂26'40	21♂20	8♂47	22♂6	4♂47	8♂2	3♂47	22♂43	11♂50	17♂32	26♂32	25♂6	27♂24	26♂16	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s 2	14n33	0s58	5n21	1n29	12n20	2s 1	6n41	1n10	19n29	0n21	22s50	0n37	17s47	0n15	20s39
F 2	3 26	11 33	0n 9	4 59	1 36	12 9	1 54	6 27	1 10	19 27	0 21	22 50	0 37	17 48	0 15	20 39
S 3	3 49	8 6	1 14	4 33	1 43	11 59	1 46	6 12	1 10	19 25	0 21	22 50	0 37	17 49	0 15	20 40
S 4	4 12	4 20	2 15	4 5	1 48	11 47	1 39	5 57	1 10	19 23	0 21	22 50	0 37	17 50	0 15	20 40
M 5	4 35	0 27	3 9	3 33	1 52	11 36	1 32	5 42	1 10	19 21	0 21	22 50	0 37	17 51	0 15	20 40
T 6	4 58	3s27	3 55	3 0	1 55	11 23	1 25	5 27	1 10	19 19	0 21	22 50	0 37	17 51	0 15	20 40
W 7	5 22	7 12	4 31	2 24	1 56	11 10	1 18	5 12	1 10	19 17	0 21	22 50	0 36	17 52	0 15	20 41
T 8	5 45	10 41	4 55	1 46	1 57	10 57	1 12	4 57	1 10	19 16	0 22	22 50	0 36	17 53	0 15	20 41
F 9	6 7	13 45	5 6	1 7	1 58	10 44	1 5	4 42	1 10	19 14	0 22	22 50	0 36	17 54	0 15	20 41
S 10	6 30	16 16	5 4	0 27	1 57	10 29	0 58	4 27	1 10	19 12	0 22	22 50	0 36	17 55	0 15	20 41
S 11	6 53	18 6	4 49	0s15	1 55	10 15	0 52	4 12	1 10	19 10	0 22	22 50	0 36	17 56	0 15	20 42
M12	7 16	19 8	4 20	0 57	1 53	10 0	0 46	3 57	1 10	19 8	0 22	22 51	0 36	17 57	0 15	20 42
T 13	7 38	19 15	3 38	1 40	1 51	9 44	0 39	3 42	1 9	19 7	0 22	22 51	0 36	17 57	0 15	20 42
W14	8 1	18 24	2 44	2 23	1 47	9 28	0 33	3 26	1 9	19 5	0 23	22 51	0 36	17 58	0 15	20 42
T 15	8 23	16 31	1 40	3 7	1 44	9 12	0 27	3 11	1 9	19 3	0 23	22 51	0 35	17 59	0 15	20 43
F 16	8 45	13 39	0 28	3 51	1 40	8 55	0 21	2 56	1 9	19 2	0 23	22 51	0 35	18 0	0 15	20 43
S 17	9 8	9 53	0s48	4 35	1 35	8 38	0 15	2 41	1 9	19 0	0 23	22 51	0 35	18 1	0 15	20 43
S 18	9 30	5 25	2 3	5 19	1 30	8 20	0 10	2 26	1 9	18 58	0 23	22 51	0 35	18 2	0 15	20 43
M19	9 51	0 30	3 11	6 3	1 25	8 2	0 4	2 11	1 9	18 57	0 23	22 51	0 35	18 3	0 15	20 44
T 20	10 13	4n31	4 7	6 47	1 20	7 44	0n 2	1 55	1 9	18 55	0 24	22 51	0 35	18 4	0 15	20 44
W21	10 35	9 16	4 45	7 30	1 14	7 25	0 7	1 40	1 9	18 54	0 24	22 51	0 35	18 4	0 15	20 44
T 22	10 56	13 23	5 3	8 13	1 8	7 6	0 12	1 25	1 9	18 53	0 24	22 51	0 35	18 5	0 15	20 44
F 23	11 17	16 33	4 59	8 56	1 2	6 47	0 17	1 10	1 9	18 51	0 24	22 51	0 34	18 6	0 15	20 45
S 24	11 38	18 35	4 36	9 38	0 56	6 27	0 23	0 55	1 9	18 50	0 24	22 51	0 34	18 7	0 15	20 45
S 25	11 59	19 24	3 57	10 20	0 50	6 6	0 27	0 39	1 8	18 48	0 25	22 51	0 34	18 8	0 15	20 45
M26	12 20	19 2	3 6	11 1	0 43	5 46	0 32	0 24	1 8	18 47	0 25	22 51	0 34	18 9	0 15	20 46
T 27	12 40	17 39	2 6	11 41	0 37	5 25	0 37	0 9	1 8	18 46	0 25	22 51	0 34	18 10	0 15	20 46
W28	13 1	15 24	1 2	12 21	0 30	5 4	0 42	0s 6	1 8	18 45	0 25	22 51	0 34	18 11	0 15	20 46
T 29	13 21	12 30	0n 3	13 0	0 23	4 42	0 46	0 22	1 8	18 44	0 25	22 51	0 34	18 12	0 15	20 46
F 30	13 41	9 6	1 7	13 39	0 17	4 21	0 51	0 37	1 8	18 42	0 25	22 51	0 34	18 13	0 15	20 47
S 31	14s 0	5n23	2n 7	14s17	0n10	3n59	0n55	0s52	1n 8	18n41	0n26	22s51	0n33	18s14	0n15	20s47

Julian Day Number = 2383152.5, Delta T = 15.53 sec
 Ecliptic obliquity = 23°27'42, Nutation = - 0°00'10, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°07'33, Lahiri = 21°14'33

ASTRODIENST EPHEMERIS for the year 1812

geocentric

NOVEMBER 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 30	8♉26'47	3♊13	10♉24	23♉12	5♊25	8♊6	3♊51	22♉46	11♊52	17°R32	26°R27	25♊3	27♊30	26°R15	S 1
M 2	2 44 27	9°26'57	15°3	12°0	24°18	6°3	8°11	3°56	22°50	11°54	17°K31	26♊18	25°0	27°37	26°R15	M 2
T 3	2 48 24	10°27'08	26°53	13°36	25°25	6°41	8°15	4°2	22°54	11°56	17°30	26°7	24°56	27°44	26°15	T 3
W 4	2 52 20	11°27'21	8♉45	15°12	26°32	7°19	8°20	4°7	22°57	11°58	17°30	25°54	24°53	27°51	26°15	W 4
T 5	2 56 17	12°27'36	20°41	16°47	27°39	7°57	8°24	4°12	23°1	12°0	17°29	25°39	24°50	27°57	26°15	T 5
F 6	3 0 13	13°27'52	2♊41	18°22	28°46	8°35	8°27	4°17	23°5	12°2	17°28	25°25	24°47	28°4	26°D15	F 6
S 7	3 4 10	14°28'11	14°47	19°57	29°53	9°13	8°31	4°22	23°8	12°4	17°28	25°12	24°44	28°11	26°15	S 7
S 8	3 8 6	15°28'31	27°1	21°31	1♊1	9°51	8°34	4°28	23°12	12°6	17°27	25°2	24°41	28°17	26°15	S 8
M 9	3 12 3	16°28'53	9♊24	23°5	2°9	10°29	8°38	4°33	23°16	12°8	17°27	24°54	24°37	28°24	26°15	M 9
T 10	3 15 59	17°29'16	21°59	24°38	3°17	11°7	8°41	4°39	23°19	12°10	17°26	24°49	24°34	28°31	26°15	T 10
W11	3 19 56	18°29'40	4♊49	26°12	4°25	11°45	8°44	4°44	23°23	12°12	17°26	24°47	24°31	28°38	26°15	W11
T 12	3 23 53	19°30'06	17°58	27°45	5°34	12°23	8°46	4°50	23°27	12°15	17°25	24°47	24°28	28°44	26°16	T 12
F 13	3 27 49	20°30'33	1♊29	29°17	6°42	13°1	8°49	4°56	23°31	12°17	17°25	24°47	24°25	28°51	26°16	F 13
S 14	3 31 46	21°31'01	15°24	0♊50	7°51	13°39	8°51	5°1	23°34	12°19	17°24	24°46	24°22	28°58	26°16	S 14
S 15	3 35 42	22°31'31	29°45	2°22	9°0	14°17	8°53	5°7	23°38	12°21	17°24	24°43	24°18	29°4	26°17	S 15
M16	3 39 39	23°32'02	14♊29	3°54	10°9	14°55	8°55	5°13	23°42	12°23	17°24	24°37	24°15	29°11	26°18	M16
T 17	3 43 35	24°32'34	29°32	5°26	11°19	15°33	8°57	5°19	23°45	12°25	17°23	24°28	24°12	29°18	26°18	T 17
W18	3 47 32	25°33'08	14♊45	6°57	12°28	16°11	8°59	5°25	23°49	12°27	17°23	24°18	24°9	29°24	26°19	W18
T 19	3 51 28	26°33'43	29°57	8°28	13°38	16°49	9°0	5°31	23°53	12°30	17°22	24°6	24°6	29°31	26°20	T 19
F 20	3 55 25	27°34'20	14♊58	9°59	14°48	17°26	9°1	5°37	23°57	12°32	17°22	23°54	24°2	29°38	26°20	F 20
S 21	3 59 22	28°34'58	29°37	11°30	15°58	18°4	9°2	5°43	24°0	12°34	17°22	23°45	23°59	29°45	26°21	S 21
S 22	4 3 18	29°35'38	13♊50	13°1	17°8	18°42	9°3	5°49	24°4	12°36	17°22	23°37	23°56	29°51	26°22	S 22
M23	4 7 15	0♊36'19	27°32	14°31	18°18	19°20	9°4	5°55	24°8	12°38	17°21	23°33	23°53	29°58	26°23	M23
T 24	4 11 11	1°37'02	10♊45	16°1	19°29	19°58	9°4	6°2	24°11	12°41	17°21	23°31	23°50	0♊5	26°24	T 24
W25	4 15 8	2°37'46	23°32	17°30	20°39	20°36	9°4	6°8	24°15	12°43	17°21	23°D30	23°47	0°11	26°26	W25
T 26	4 19 4	3°38'33	5♉56	18°59	21°50	21°14	9°R 4	6°14	24°19	12°45	17°21	23°R30	23°43	0°18	26°27	T 26
F 27	4 23 1	4°39'20	18°5	20°28	23°1	21°52	9°4	6°20	24°22	12°47	17°21	23°30	23°40	0°25	26°28	F 27
S 28	4 26 57	5°40'09	0♊2	21°56	24°12	22°30	9°4	6°27	24°26	12°50	17°21	23°27	23°37	0°32	26°29	S 28
S 29	4 30 54	6°41'00	11°53	23°24	25°23	23°8	9°3	6°33	24°30	12°52	17°21	23°22	23°34	0°38	26°31	S 29
M30	4 34 51	7♊41'51	23♊42	24♊51	26♊34	23♊46	9♊3	6♊40	24♉33	12♊54	17°K21	23♊14	23♊31	0♉45	26°R32	M30

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
S 1	14s20	1n30	3n 1	14s54	0n 3	3n36	0n59	1s 7	1n 8	18n40	0n26	22s51	0n33	18s15	0n15	20s47	1n27	18s58	15s18	12n43	13n11	6s20	7s 2	6n 6	7s 3	6n 6	
M 2	14 39	2s27	3 47	15 30	0s 3	3 14	1 3	1 22	1 7	18 39	0 26	22 51	0 33	18 16	0 15	20 48	1 27	18 58	15 17	12 46	13 12	6 22	7 2	6 6	7 2	6 6	
T 3	14 58	6 17	4 23	16 6	0 10	2 51	1 7	1 37	1 7	18 38	0 26	22 51	0 33	18 16	0 15	20 48	1 27	18 58	15 17	12 49	13 13	6 24	7 3	6 5	7 3	6 5	
W 4	15 17	9 54	4 47	16 41	0 17	2 28	1 11	1 53	1 7	18 37	0 26	22 51	0 33	18 17	0 15	20 48	1 27	18 58	15 17	12 54	13 14	6 26	7 3	6 5	7 3	6 5	
T 5	15 35	13 8	4 59	17 15	0 23	2 5	1 14	2 8	1 7	18 37	0 27	22 51	0 33	18 18	0 15	20 49	1 27	18 58	15 17	12 59	13 15	6 28	7 4	6 4	7 4	6 4	
F 6	15 54	15 51	4 58	17 48	0 30	1 41	1 18	2 23	1 7	18 36	0 27	22 51	0 33	18 19	0 15	20 49	1 27	18 58	15 16	13 4	13 16	6 30	7 4	6 4	7 4	6 4	
S 7	16 12	17 54	4 43	18 20	0 37	1 17	1 21	2 38	1 7	18 35	0 27	22 51	0 33	18 20	0 15	20 49	1 27	18 58	15 16	13 8	13 17	6 32	7 5	6 3	7 5	6 3	
S 8	16 29	19 10	4 15	18 51	0 43	0 53	1 25	2 53	1 7	18 34	0 27	22 51	0 33	18 21	0 15	20 49	1 27	18 58	15 16	13 11	13 19	6 34	7 5	6 3	7 5	6 3	
M 9	16 47	19 33	3 35	19 21	0 49	0 29	1 28	3 8	1 6	18 34	0 27	22 51	0 32	18 22	0 15	20 50	1 27	18 58	15 16	13 14	13 20	6 36	7 5	6 3	7 5	6 3	
T 10	17 4	18 58	2 44	19 51	0 56	0 5	1 31	3 23	1 6	18 33	0 28	22 50	0 32	18 23	0 15	20 50	1 27	18 58	15 15	13 16	13 21	6 38	7 6	6 2	7 6	6 2	
W11	17 21	17 24	1 43	20 19	1 2	0s19	1 34	3 38	1 6	18 32	0 28	22 50	0 32	18 24	0 15	20 50	1 27	18 58	15 15	13 16	13 22	6 40	7 6	6 2	7 6	6 2	
T 12	17 37	14 53	0 36	20 47	1 8	0 44	1 37	3 53	1 6	18 32	0 28	22 50	0 32	18 25	0 15	20 51	1 27	18 57	15 15	13 16	13 23	6 42	7 6	6 1	7 6	6 1	
F 13	17 54	11 31	0s35	21 13	1 14	1 8	1 40	4 8	1 6	18 31	0 28	22 50	0 32	18 26	0 15	20 51	1 27	18 57	15 14	13 17	13 24	6 44	7 7	6 1	7 7	6 1	
S 14	18 10	7 24	1 47	21 38	1 19	1 33	1 42	4 23	1 6	18 31	0 28	22 50	0 32	18 27	0 15	20 51	1 27	18 57	15 14	13 17	13 25	6 46	7 7	6 0	7 7	6 0	
S 15	18 25	2 45	2 53	22 3	1 25	1 58	1 45	4 38	1 5	18 31	0 29	22 50	0 32	18 28	0 15	20 51	1 27	18 57	15 14	13 18	13 26	6 48	7 7	6 0	7 7	6 0	
M16	18 40	2n11	3 50	22 26	1 30	2 23	1 47	4 53	1 5	18 30	0 29	22 50	0 32	18 29	0 15	20 52	1 27	18 57	15 13	13 20	13 27	6 50	7 7	6 0	7 7	6 0	
T 17	18 55	7 4	4 33	22 48	1 36	2 48	1 49	5 7	1 5	18 30	0 29	22 50	0 32	18 30	0 15	20 52	1 27	18 57	15 13	13 23	13 28	6 52	7 7	5 59	7 7	5 59	
W18	19 10	11 33	4 56	23 9	1 41	3 13	1 51	5 22	1 5	18 30	0 29	22 50	0 31	18 31	0 15	20 52	1 27	18 57	15 13	13 26	13 29	6 54	7 8	5 58	7 8	5 58	
T 19	19 24	15 18	4 59	23 29	1 46	3 38	1 53	5 37	1 5	18 30	0 29	22 49	0 31	18 31	0 15	20 53	1 27	18 57	15 13	13 30	13 30	6 56	7 8	5 58	7 8	5 58	
F 20	19 38	17 58	4 40	23 47	1 50	4 4	1 55	5 52	1 5	18 30	0 30	22 49	0 31	18 32	0 15	20 53	1 27	18 56	15 12	13 34	13 31	6 58	7 8	5 58	7 8	5 58	
S 21	19 52	19 24	4 4	24 5	1 55	4 29	1 57	6 6	1 4	18 29	0 30	22 49	0 31	18 33	0 15	20 53	1 27	18 56	15 12	13 37	13 32	7 0	7 8	5 58	7 8	5 58	
S 22	20 5	19 32	3 13	24 21	1 59	4 54	1 59	6 21	1 4	18 29	0 30	22 49	0 31	18 34	0 15	20 54	1 27	18 56	15 12	13 40	13 33	7 2	7 8	5 57	7 8	5 57	
M23	20 18	18 30	2 13	24 36	2 3	5 20	2 0	6 35	1 4	18 29	0 30	22 49	0 31	18 35	0 15	20 54	1 27	18 56	15 11	13 41	13 34	7 4	7 8	5 57	7 8	5 57	
T 24	20 30	16 29	1 7	24 49	2 6	5 45	2 2	6 50	1 4	18 30	0 30	22 49	0 31	18 36	0 15	20 54	1 27	18 56	15 11	13 42	13 35	7 6	7 8	5 56	7 8	5 56	
W25	20 42	13 42	0n 0	25 1	2 10	6 10	2 3	7 4	1 4	18 30	0 31	22 48	0 31	18 37	0 15	20 54	1 27	18 55	15 11	13 42	13 36	7 8	7 8	5 56	7 8	5 56	
T 26	20 54	10 21	1 5	25 12	2 13	6 35	2 4	7 19	1 3	18 30	0 31	22 48	0 31	18 38	0 15	20 55	1 27	18 55	15 10	13 42	13 38	7 10	7 8	5 55	7 8	5 55	
F 27	21 5	6 39	2 6	25 22	2 15	7 1	2 5	7 33	1 3	18 30	0 31	22 48	0 31	18 39	0 15	20 55	1 27	18 55	15 10	13 42	13 39	7 12	7 8	5 55	7 8	5 55	
S 28	21 16	2 45	3 0	25 30	2 18	7 26	2 6	7 48	1 3	18 30	0 31	22 48	0 31	18 40	0 15	20 55	1 27	18 55	15 10	13 43	13 40	7 14	7 8	5 55	7 8	5 55	
S 29	21 27	1s14	3 46	25 37	2 19	7 51	2 7	8 2	1 3	18 31	0 31	22 48	0 30	18 41	0 15	20 56	1 27	18 54	15 9	13 45	13 41	7 16	7 8	5 54	7 8	5 54	
M30	21s37	5s 8	4n22	25s42	2s21	8s16	2n 8	8s16	1n 2	18n31	0n32	22s47	0n30	18s42	0n15	20s56	1n27	18s54	15s 9	13n47	13n42	7s18	7s 8	5n54	7s 8	5n54	

ASTRODIENST EPHEMERIS for the year 1812
geocentric

DECEMBER 1812

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 47	8♂42'45	5♂♂33	26♂17	27♂45	24♂24	9°R 2	6♂46	24♂137	12♂56	17°D21	23°R 3	23♂28	0♂52	26♂34	T 1
W 2	4 42 44	9°43'39	17°29	27°42	28°57	25° 2	9♂ 0	6°53	24°41	12°59	17°K21	22♂51	23°24	0°58	26°35	W 2
T 3	4 46 40	10°44'35	29°31	29° 7	0♂ 8	25°40	8°59	6°59	24°44	13° 1	17°21	22°37	23°21	1° 5	26°37	T 3
F 4	4 50 37	11°45'32	11♂41	0♂30	1°20	26°18	8°57	7° 6	24°48	13° 3	17°21	22°23	23°18	1°12	26°38	F 4
S 5	4 54 33	12°46'29	24° 0	1°52	2°32	26°56	8°56	7°13	24°52	13° 5	17°21	22°10	23°15	1°19	26°40	S 5
S 6	4 58 30	13°47'28	6♂27	3°12	3°44	27°34	8°54	7°19	24°55	13° 8	17°21	22° 0	23°12	1°25	26°42	S 6
M 7	5 2 26	14°48'28	19° 5	4°30	4°55	28°12	8°51	7°26	24°59	13°10	17°21	21°53	23° 8	1°32	26°44	M 7
T 8	5 6 23	15°49'28	1♂53	5°46	6° 7	28°49	8°49	7°33	25° 2	13°12	17°21	21°48	23° 5	1°39	26°46	T 8
W 9	5 10 20	16°50'29	14°53	7° 0	7°20	29°27	8°47	7°40	25° 6	13°15	17°21	21°46	23° 2	1°45	26°48	W 9
T 10	5 14 16	17°51'31	28° 6	8°11	8°32	0♂ 5	8°44	7°46	25° 9	13°17	17°22	21°D46	22°59	1°52	26°50	T 10
F 11	5 18 13	18°52'33	11♂36	9°18	9°44	0°43	8°41	7°53	25°13	13°19	17°22	21°47	22°56	1°59	26°52	F 11
S 12	5 22 9	19°53'35	25°24	10°22	10°56	1°21	8°38	8° 0	25°16	13°21	17°22	21°R47	22°53	2° 6	26°54	S 12
S 13	5 26 6	20°54'38	9°Y30	11°21	12° 9	1°59	8°34	8° 7	25°20	13°24	17°22	21°45	22°49	2°12	26°56	S 13
M14	5 30 2	21°55'41	23°54	12°14	13°21	2°37	8°31	8°14	25°23	13°26	17°23	21°41	22°46	2°19	26°58	M14
T 15	5 33 59	22°56'45	8♂34	13° 2	14°34	3°15	8°27	8°21	25°27	13°28	17°23	21°35	22°43	2°26	27° 0	T 15
W16	5 37 55	23°57'49	23°23	13°43	15°46	3°52	8°23	8°28	25°30	13°30	17°23	21°27	22°40	2°32	27° 3	W16
T 17	5 41 52	24°58'54	8♂14	14°17	16°59	4°30	8°19	8°35	25°33	13°33	17°24	21°18	22°37	2°39	27° 5	T 17
F 18	5 45 49	25°59'59	22°59	14°42	18°12	5° 8	8°15	8°42	25°37	13°35	17°24	21° 8	22°34	2°46	27° 7	F 18
S 19	5 49 45	27° 1'04	7♂29	14°57	19°25	5°46	8°11	8°49	25°40	13°37	17°24	21° 1	22°30	2°53	27°10	S 19
S 20	5 53 42	28° 2'10	21°38	15°R 3	20°38	6°24	8° 6	8°56	25°43	13°39	17°25	20°55	22°27	2°59	27°12	S 20
M21	5 57 38	29° 3'17	5♂21	14°57	21°51	7° 2	8° 1	9° 3	25°47	13°41	17°25	20°51	22°24	3° 6	27°15	M21
T 22	6 1 35	0♂ 4'24	18°38	14°40	23° 4	7°39	7°57	9°10	25°50	13°44	17°26	20°D50	22°21	3°13	27°18	T 22
W23	6 5 31	1° 5'32	1♂30	14°11	24°17	8°17	7°51	9°17	25°53	13°46	17°26	20°50	22°18	3°19	27°20	W23
T 24	6 9 28	2° 6'40	13°59	13°30	25°30	8°55	7°46	9°24	25°56	13°48	17°27	20°52	22°14	3°26	27°23	T 24
F 25	6 13 24	3° 7'49	26°12	12°38	26°43	9°33	7°41	9°31	26° 0	13°50	17°27	20°53	22°11	3°33	27°26	F 25
S 26	6 17 21	4° 8'58	8♂12	11°36	27°57	10°11	7°35	9°38	26° 3	13°52	17°28	20°R53	22° 8	3°40	27°29	S 26
S 27	6 21 18	5°10'08	20° 5	10°26	29°10	10°48	7°30	9°45	26° 6	13°54	17°29	20°52	22° 5	3°46	27°31	S 27
M28	6 25 14	6°11'18	1♂55	9°10	0♂23	11°26	7°24	9°52	26° 9	13°57	17°29	20°48	22° 2	3°53	27°34	M28
T 29	6 29 11	7°12'29	13°48	7°49	1°37	12° 4	7°18	9°59	26°12	13°59	17°30	20°43	21°59	4° 0	27°37	T 29
W30	6 33 7	8°13'40	25°47	6°27	2°50	12°42	7°12	10° 6	26°15	14° 1	17°31	20°36	21°55	4° 6	27°40	W30
T 31	6 37 4	9♂14'51	7♂55	5♂ 7	4♂ 4	13♂19	7♂ 5	10♂13	26♂18	14♂ 3	17°K31	20♂28	21♂52	4♂13	27°43	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
T 1	21s47	8s52	4n47	25s46	2s22	8s41	2n 9	8s30	1n 2	18n32	0n32	22s47	0n30	18s42	0n15	20s56	1n27	18s54	15s 9	13n51	13n43	7s20	7s 8	5n53					
W 2	21 56	12 16	4 59	25 49	2 22	9 6	2 9	8 44	1 2	18 32	0 32	22 47	0 30	18 43	0 15	20 57	1 27	18 54	15 8	13 55	13 44	7 22	7 8	5 53					
T 3	22 5	15 12	4 59	25 50	2 22	9 30	2 10	8 58	1 2	18 33	0 32	22 47	0 30	18 44	0 15	20 57	1 27	18 53	15 8	13 59	13 45	7 24	7 7	5 53					
F 4	22 13	17 31	4 44	25 50	2 22	9 55	2 10	9 12	1 1	18 33	0 32	22 46	0 30	18 45	0 15	20 57	1 27	18 53	15 8	14 4	13 46	7 26	7 7	5 52					
S 5	22 21	19 3	4 16	25 48	2 21	10 19	2 10	9 26	1 1	18 34	0 33	22 46	0 30	18 46	0 14	20 57	1 27	18 53	15 7	14 8	13 47	7 28	7 7	5 52					
S 6	22 29	19 42	3 36	25 44	2 19	10 43	2 10	9 40	1 1	18 35	0 33	22 46	0 30	18 47	0 14	20 58	1 27	18 52	15 7	14 11	13 48	7 30	7 7	5 51					
M 7	22 36	19 23	2 44	25 40	2 17	11 7	2 11	9 54	1 1	18 36	0 33	22 46	0 30	18 48	0 14	20 58	1 27	18 52	15 7	14 14	13 49	7 32	7 7	5 51					
T 8	22 42	18 4	1 44	25 33	2 13	11 31	2 10	10 8	1 0	18 36	0 33	22 45	0 30	18 49	0 14	20 58	1 27	18 52	15 6	14 15	13 50	7 34	7 6	5 51					
W 9	22 49	15 48	0 37	25 26	2 9	11 55	2 10	10 21	1 0	18 37	0 34	22 45	0 30	18 49	0 14	20 59	1 27	18 51	15 6	14 16	13 51	7 35	7 6	5 50					
T 10	22 54	12 40	0s34	25 17	2 5	12 18	2 10	10 35	1 0	18 38	0 34	22 45	0 29	18 50	0 14	20 59	1 27	18 51	15 6	14 16	13 52	7 37	7 6	5 50					
F 11	23 0	8 49	1 44	25 7	1 59	12 42	2 10	10 48	1 0	18 39	0 34	22 44	0 29	18 51	0 14	20 59	1 27	18 50	15 5	14 16	13 53	7 39	7 5	5 50					
S 12	23 5	4 25	2 49	24 55	1 52	13 4	2 9	11 2	0 59	18 40	0 34	22 44	0 29	18 52	0 14	20 59	1 27	18 50	15 5	14 16	13 54	7 41	7 5	5 49					
S 13	23 9	0n18	3 46	24 43	1 45	13 27	2 9	11 15	0 59	18 41	0 34	22 44	0 29	18 53	0 14	21 0	1 27	18 50	15 5	14 16	13 55	7 43	7 5	5 49					
M14	23 13	5 6	4 30	24 29	1 36	13 50	2 8	11 28	0 59	18 42	0 35	22 43	0 29	18 54	0 14	21 0	1 27	18 49	15 4	14 17	13 56	7 45	7 4	5 48					
T 15	23 16	9 41	4 57	24 15	1 26	14 12	2 7	11 42	0 58	18 44	0 35	22 43	0 29	18 54	0 14	21 0	1 27	18 49	15 4	14 19	13 57	7 47	7 4	5 48					
W16	23 19	13 43	5 4	24 0	1 15	14 34	2 6	11 55	0 58	18 45	0 35	22 43	0 29	18 55	0 14	21 0	1 27	18 48	15 4	14 22	13 58	7 49	7 3	5 48					
T 17	23 22	16 54	4 52	23 44	1 3	14 55	2 6	12 8	0 58	18 46	0 35	22 42	0 29	18 56	0 14	21 1	1 27	18 48	15 3	14 25	13 59	7 51	7 3	5 47					
F 18	23 24	18 57	4 19	23 28	0 49	15 16	2 5	12 21	0 57	18 47	0 35	22 42	0 29	18 57	0 14	21 1	1 27	18 47	15 3	14 28	14 0	7 53	7 2	5 47					
S 19	23 26	19 44	3 31	23 11	0 34	15 37	2 3	12 34	0 57	18 49	0 36	22 41	0 29	18 58	0 14	21 1	1 27	18 47	15 3	14 30	14 1	7 55	7 2	5 47					
S 20	23 27	19 15	2 30	22 54	0 18	15 58	2 2	12 46	0 57	18 50	0 36	22 41	0 29	18 58	0 14	21 2	1 27	18 46	15 2	14 32	14 2	7 57	7 1	5 46					
M21	23 27	17 37	1 22	22 38	0 1	16 18	2 1	12 59	0 56	18 51	0 36	22 41	0 29	18 59	0 14	21 2	1 27	18 46	15 2	14 33	14 4	7 59	7 1	5 46					
T 22	23 28	15 4	0 12	22 22	0n18	16 37	2 0	13 12	0 56	18 53	0 36	22 40	0 28	19 0	0 14	21 2	1 27	18 46	15 2	14 34	14 5	8 1	7 0	5 46					
W23	23 27	11 51	0n57	22 6	0 37	16 57	1 58	13 24	0 56	18 54	0 36	22 40	0 28	19 1	0 14	21 2	1 27	18 45	15 2	14 34	14 6	8 3	7 0	5 45					
T 24	23 27	8 10	2 2	21 50	0 56	17 16	1 57	13 37	0 55	18 56	0 37	22 39	0 28	19 1	0 14	21 3	1 27	18 45	15 1	14 33	14 7	8 5	6 59	5 45					
F 25	23 25	4 15	2 59	21 36	1 16	17 34	1 55	13 49	0 55	18 58	0 37	22 39	0 28	19 2	0 14	21 3	1 27	18 44	15 1	14 33	14 8	8 7	6 59	5 45					
S 26	23 24	0 14	3 47	21 22	1 36	17 52	1 54	14 1	0 55	18 59	0 37	22 39	0 28	19 3	0 14	21 3	1 27	18 43	15 1	14 33	14 9	8 9	6 58	5 44					
S 27	23 22	3s45	4 26	21 9	1 55	18 10	1 52	14 13	0 54	19 1	0 37	22 38	0 28	19 4	0 14	21 3	1 27	18 43	15 0	14 33	14 10	8 11	6 57	5 44					
M28	23 19	7 35	4 52	20 57	2 12	18 27	1 50	14 25	0 54	19 2	0 37	22 38	0 28	19 4	0 14	21 3	1 27	18 42	15 0	14 34	14 11	8 13	6 57	5 44					
T 29	23 16	11 7	5 6	20 46	2 28	18 44	1 48	14 37	0 53	19 4	0 38	22 37	0 28	19 5	0 14	21 4	1 27	18 42	15 0	14 36	14 12	8 15	6 56	5 43					
W30	23 12	14 14	5 7	20 36	2 42	19 0	1 47	14 49	0 53	19 6	0 38	22 37	0 28	19 6	0 14	21 4	1 27	18 41	14 59	14 38	14 13	8 17	6 55	5 43					
T 31	23s 8	16s48	4n55	20s28	2n54	19s16	1n45	15s 1	0n53	19n 8	0n38	22s36	0n28	19s 7	0n14	21s 4	1n27	18s41	14s59	14n41	14n14	8s19	6s54	5n43					