



Astrodienst Ephemeris Tables for the year 1882

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 1882
geocentric

JANUARY 1882

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 42 10	10°31'54	1°11' 7	7°37' 7	28°17' 17	3°R48	16°R22	5°R35	18°R32	13°R55	27°R37	8°R50	7°14	22° 4	17°R57	S 1
M 2	6 46 7	11°33'02	13°44	8°43	29°32	3°R25	16°R20	5°R34	18°R32	13°R55	27°R37	8°R50	7°14	22° 4	17°R56	M 2
T 3	6 50 3	12°34'11	26°11	10°19	0°48	3° 3	16°18	5°34	18°31	13°54	27°36	8°49	7°10	22°11	17°54	T 3
W 4	6 54 0	13°35'19	8°29	11°55	2° 3	2°41	16°17	5°33	18°31	13°53	27°35	8°46	7° 7	22°18	17°53	W 4
T 5	6 57 56	14°36'27	20°38	13°32	3°18	2°20	16°16	5°33	18°30	13°52	27°34	8°41	7° 4	22°24	17°51	T 5
F 6	7 1 53	15°37'35	2°40	15° 9	4°34	1°59	16°15	5°33	18°29	13°52	27°34	8°34	7° 1	22°31	17°50	F 6
S 7	7 5 50	16°38'43	14°37	16°47	5°49	1°39	16°14	5°D33	18°29	13°51	27°33	8°26	6°58	22°38	17°49	S 7
S 8	7 9 46	17°39'51	26°30	18°25	7° 5	1°19	16°13	5°33	18°28	13°51	27°32	8°19	6°55	22°45	17°47	S 8
M 9	7 13 43	18°40'58	8°21	20° 4	8°20	0°59	16°13	5°33	18°27	13°50	27°32	8°12	6°51	22°51	17°46	M 9
T 10	7 17 39	19°42'06	20°14	21°43	9°35	0°41	16°D13	5°33	18°26	13°50	27°31	8° 6	6°48	22°58	17°45	T 10
W 11	7 21 36	20°43'13	2°11	23°22	10°51	0°23	16°13	5°34	18°25	13°49	27°30	8° 2	6°45	23° 5	17°44	W 11
T 12	7 25 32	21°44'20	14°19	25° 2	12° 6	0° 5	16°13	5°34	18°24	13°49	27°30	8° 0	6°42	23°12	17°43	T 12
F 13	7 29 29	22°45'27	26°40	26°42	13°22	29°14	16°13	5°35	18°23	13°48	27°29	8°D 0	6°39	23°18	17°42	F 13
S 14	7 33 25	23°46'34	9°20	28°23	14°37	29°32	16°14	5°36	18°22	13°48	27°29	8° 1	6°35	23°25	17°41	S 14
S 15	7 37 22	24°47'41	22°23	0°44	15°52	29°17	16°15	5°37	18°21	13°48	27°28	8° 2	6°32	23°32	17°41	S 15
M 16	7 41 19	25°48'48	5°53	1°46	17° 8	29° 3	16°16	5°38	18°19	13°47	27°28	8°R 3	6°29	23°38	17°40	M 16
T 17	7 45 15	26°49'54	19°52	3°28	18°23	28°49	16°17	5°39	18°18	13°47	27°27	8° 2	6°26	23°45	17°39	T 17
W 18	7 49 12	27°51'00	4°38	5°11	19°39	28°36	16°19	5°40	18°17	13°47	27°27	8° 0	6°23	23°52	17°39	W 18
T 19	7 53 8	28°52'06	19° 9	6°53	20°54	28°24	16°20	5°41	18°15	13°47	27°26	7°55	6°20	23°59	17°38	T 19
F 20	7 57 5	29°53'11	4°16	8°36	22° 9	28°12	16°22	5°43	18°14	13°47	27°26	7°47	6°16	24° 5	17°38	F 20
S 21	8 1 1	0°54'15	19°29	10°19	23°25	28° 2	16°24	5°44	18°13	13°47	27°25	7°39	6°13	24°12	17°37	S 21
S 22	8 4 58	1°55'18	4°39	12° 2	24°40	27°52	16°27	5°46	18°11	13°46	27°25	7°30	6°10	24°19	17°37	S 22
M 23	8 8 54	2°56'20	19°35	13°45	25°56	27°43	16°29	5°47	18°10	13°46	27°24	7°23	6° 7	24°25	17°37	M 23
T 24	8 12 51	3°57'21	4°Y 9	15°28	27°11	27°35	16°32	5°49	18° 8	13°D46	27°24	7°17	6° 4	24°32	17°37	T 24
W 25	8 16 48	4°58'21	18°17	17°11	28°26	27°27	16°35	5°51	18° 6	13°46	27°24	7°13	6° 1	24°39	17°37	W 25
T 26	8 20 44	5°59'20	1°59	18°53	29°42	27°21	16°38	5°53	18° 5	13°46	27°23	7°D12	5°57	24°46	17°D37	T 26
F 27	8 24 41	7° 0'18	15°16	20°34	0°57	27°15	16°41	5°55	18° 3	13°47	27°23	7°12	5°54	24°52	17°37	F 27
S 28	8 28 37	8° 1'14	28°11	22°14	2°12	27°10	16°44	5°58	18° 1	13°47	27°23	7°13	5°51	24°59	17°37	S 28
S 29	8 32 34	9° 2'09	10°14	23°53	3°28	27° 6	16°48	6° 0	17°59	13°47	27°22	7°R13	5°48	25° 6	17°37	S 29
M 30	8 36 30	10° 3'03	23°12	25°30	4°43	27° 3	16°52	6° 3	17°57	13°47	27°22	7°12	5°45	25°12	17°37	M 30
T 31	8 40 27	11°3'56	5°24	27°35	5°58	27°II 0	16°R56	6°R 5	17°55	13°R47	27°R22	7°R 8	5°R41	25°R19	17°R37	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23s 2	21n 5	0n42	24s48	1s32	23s20	0n 6	27n 3	3n39	15n45	1s 2	11n 3	2s29	5n16	0n47	14n18
M 2	22 57	22 1	0s27	24 46	1 36	23 23	0 4	27 4	3 40	15 44	1 2	11 3	2 29	5 16	0 47	14 18
T 3	22 52	21 51	1 33	24 43	1 41	23 26	0 1	27 5	3 40	15 44	1 2	11 3	2 29	5 16	0 47	14 18
W 4	22 46	20 37	2 35	24 39	1 44	23 27	0s 1	27 7	3 41	15 44	1 1	11 3	2 28	5 16	0 47	14 18
T 5	22 39	18 27	3 28	24 33	1 48	23 28	0 4	27 8	3 42	15 44	1 1	11 3	2 28	5 17	0 47	14 17
F 6	22 32	15 30	4 11	24 26	1 51	23 29	0 6	27 8	3 42	15 44	1 1	11 3	2 28	5 17	0 48	14 17
S 7	22 25	11 56	4 43	24 17	1 54	23 28	0 8	27 9	3 43	15 44	1 1	11 4	2 27	5 17	0 48	14 17
S 8	22 17	7 56	5 3	24 7	1 57	23 27	0 11	27 10	3 43	15 44	1 0	11 4	2 27	5 18	0 48	14 17
M 9	22 9	3 40	5 9	23 55	1 59	23 25	0 13	27 10	3 43	15 44	1 0	11 4	2 27	5 18	0 48	14 17
T 10	22 0	0s46	5 2	23 42	2 2	23 22	0 16	27 10	3 43	15 45	1 0	11 5	2 27	5 18	0 48	14 17
W 11	21 51	5 11	4 42	23 27	2 3	23 19	0 18	27 10	3 43	15 45	0 59	11 5	2 26	5 19	0 48	14 17
T 12	21 42	9 29	4 10	23 11	2 4	23 15	0 20	27 10	3 43	15 45	0 59	11 6	2 26	5 19	0 48	14 17
F 13	21 32	13 28	3 25	22 53	2 5	23 10	0 23	27 10	3 43	15 46	0 59	11 6	2 26	5 20	0 48	14 17
S 14	21 22	16 58	2 29	22 33	2 6	23 4	0 25	27 10	3 43	15 46	0 59	11 7	2 25	5 20	0 48	14 17
S 15	21 11	19 43	1 24	22 12	2 6	22 58	0 27	27 10	3 43	15 47	0 58	11 7	2 25	5 21	0 48	14 17
M 16	21 0	21 30	0 12	21 49	2 6	22 51	0 30	27 9	3 42	15 47	0 58	11 8	2 25	5 21	0 48	14 17
T 17	20 48	22 1	1n 3	21 25	2 5	22 43	0 32	27 9	3 42	15 48	0 58	11 8	2 24	5 22	0 48	14 17
W 18	20 36	21 7	2 16	20 59	2 3	22 35	0 34	27 8	3 42	15 49	0 57	11 9	2 24	5 22	0 48	14 17
T 19	20 24	18 45	3 22	20 31	2 2	22 26	0 36	27 8	3 41	15 49	0 57	11 10	2 24	5 23	0 48	14 17
F 20	20 11	15 4	4 15	20 2	1 59	22 16	0 39	27 7	3 40	15 50	0 57	11 11	2 24	5 24	0 48	14 17
S 21	19 58	10 23	4 51	19 32	1 56	22 5	0 41	27 6	3 40	15 51	0 57	11 11	2 23	5 24	0 48	14 17
S 22	19 45	5 4	5 5	19 0	1 53	21 54	0 43	27 5	3 39	15 52	0 56	11 12	2 23	5 25	0 48	14 17
M 23	19 31	0n27	4 59	18 26	1 49	21 42	0 45	27 4	3 38	15 53	0 56	11 13	2 23	5 25	0 48	14 17
T 24	19 17	5 49	4 33	17 52	1 44	21 30	0 47	27 3	3 38	15 54	0 56	11 14	2 22	5 26	0 48	14 17
W 25	19 2	10 44	3 51	17 15	1 38	21 17	0 49	27 2	3 37	15 55	0 55	11 15	2 22	5 27	0 48	14 17
T 26	18 47	14 56	2 57	16 38	1 32	21 3	0 51	27 1	3 36	15 56	0 55	11 16	2 22	5 27	0 48	14 17
F 27	18 32	18 15	1 55	16 0	1 25	20 49	0 53	27 0	3 35	15 57	0 55	11 17	2 21	5 28	0 48	14 17
S 28	18 16	20 33	0 48	15 20	1 18	20 34	0 55	26 59	3 34	15 59	0 55	11 18	2 21	5 29	0 48	14 17
S 29	18 0	21 46	0s19	14 40	1 10	20 18	0 56	26 58	3 33	16 0	0 54	11 19	2 21	5 30	0 48	14 17
M 30	17 44	21 53	1 24	13 58	1 0	20 2	0 58	26 57	3 32	16 1	0 54	11 20	2 21	5 30	0 48	14 17
T 31	17s28	20n57	2s24	13s17	0s50	19s45	1s 0	26n56	3n31	16n 3	0s54	11n21	2s20	5n31	0n48	14n17

Julian Day Number = 2408446.5, Delta T = -3.93 sec
Ecliptic obliquity = 23°27'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°05'33, Lahiri = 22°12'33

ASTRODIENST EPHEMERIS for the year 1882

geocentric

FEBRUARY 1882

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17s11	19n 3	3s17	12s35	0s40	19s28	1s 2	26n55	3n30	16n 4	0s54	11n22	2s20	5n32	0n48	14n18
T 2	16 54	16 21	4 0	11 53	0 28	19 10	1 3	26 54	3 29	16 6	0 53	11 23	2 20	5 33	0 48	14 18
F 3	16 36	13 0	4 33	11 11	0 16	18 52	1 5	26 53	3 28	16 7	0 53	11 25	2 19	5 34	0 48	14 18
S 4	16 19	9 8	4 53	10 30	0 3	18 33	1 6	26 52	3 27	16 9	0 53	11 26	2 19	5 34	0 49	14 18
S 5	16 1	4 57	5 1	9 49	0n11	18 13	1 8	26 50	3 25	16 10	0 52	11 27	2 19	5 35	0 49	14 18
M 6	15 42	0 35	4 56	9 10	0 26	17 53	1 9	26 49	3 24	16 12	0 52	11 28	2 19	5 36	0 49	14 18
T 7	15 24	3s50	4 37	8 33	0 41	17 33	1 11	26 48	3 23	16 14	0 52	11 30	2 18	5 37	0 49	14 19
W 8	15 5	8 7	4 7	7 58	0 56	17 12	1 12	26 47	3 22	16 16	0 52	11 31	2 18	5 38	0 49	14 19
T 9	14 46	12 8	3 24	7 25	1 12	16 50	1 13	26 46	3 21	16 17	0 51	11 32	2 18	5 39	0 49	14 19
F 10	14 27	15 43	2 32	6 56	1 29	16 28	1 14	26 45	3 19	16 19	0 51	11 34	2 18	5 40	0 49	14 19
S 11	14 7	18 40	1 31	6 30	1 45	16 6	1 16	26 44	3 18	16 21	0 51	11 35	2 17	5 40	0 49	14 20
S 12	13 47	20 45	0 24	6 7	2 1	15 43	1 17	26 43	3 17	16 23	0 51	11 37	2 17	5 41	0 49	14 20
M13	13 27	21 46	0n46	5 49	2 17	15 19	1 18	26 42	3 16	16 25	0 50	11 38	2 17	5 42	0 49	14 20
T 14	13 7	21 30	1 56	5 35	2 32	14 55	1 19	26 40	3 14	16 27	0 50	11 40	2 16	5 43	0 49	14 20
W15	12 47	19 52	3 2	5 26	2 47	14 31	1 20	26 39	3 13	16 29	0 50	11 41	2 16	5 44	0 49	14 21
T 16	12 26	16 52	3 57	5 22	3 0	14 7	1 21	26 38	3 12	16 31	0 50	11 43	2 16	5 45	0 49	14 21
F 17	12 5	12 42	4 37	5 23	3 12	13 42	1 21	26 37	3 11	16 34	0 49	11 45	2 16	5 46	0 49	14 21
S 18	11 44	7 39	4 58	5 28	3 22	13 16	1 22	26 36	3 9	16 36	0 49	11 46	2 15	5 47	0 49	14 21
S 19	11 23	2 8	4 57	5 38	3 31	12 51	1 23	26 35	3 8	16 38	0 49	11 48	2 15	5 48	0 49	14 22
M20	11 1	3n27	4 36	5 52	3 37	12 25	1 23	26 34	3 7	16 40	0 49	11 50	2 15	5 49	0 49	14 22
T 21	10 40	8 44	3 56	6 10	3 42	11 58	1 24	26 32	3 6	16 43	0 48	11 51	2 15	5 50	0 49	14 22
W22	10 18	13 21	3 2	6 31	3 44	11 32	1 24	26 31	3 4	16 45	0 48	11 53	2 14	5 51	0 49	14 23
T 23	9 56	17 4	1 59	6 54	3 43	11 5	1 25	26 30	3 3	16 47	0 48	11 55	2 14	5 52	0 49	14 23
F 24	9 34	19 45	0 51	7 20	3 41	10 37	1 25	26 29	3 2	16 50	0 48	11 57	2 14	5 53	0 49	14 23
S 25	9 12	21 18	0s17	7 46	3 37	10 10	1 26	26 28	3 0	16 52	0 47	11 58	2 14	5 54	0 49	14 24
S 26	8 50	21 43	1 23	8 14	3 30	9 42	1 26	26 26	2 59	16 55	0 47	12 0	2 13	5 55	0 49	14 24
M27	8 27	21 3	2 23	8 41	3 22	9 14	1 26	26 25	2 58	16 57	0 47	12 2	2 13	5 56	0 49	14 25
T 28	8s 5	19n25	3s16	9s 8	3n12	8s45	1s26	26n24	2n57	17n 0	0s47	12n 4	2s13	5n57	0n49	14n25

Julian Day Number = 2408477.5, Delta T = -3.96 sec
 Ecliptic obliquity = 23°27'13, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°05'37, Lahiri = 22°12'37

ASTRODIENST EPHEMERIS for the year 1882

geocentric

MARCH 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 34 47	10 ^h 20'08	26 ^h 31	27°R19	12 ^h 18	0 ^h 44	20 ^h 8	8 ^h 2	16°R48	14 ^h 9	27 ^h 25	4°R 2	4 ^h 9	28 ^h 34	18 ^h 14	W 1
T 2	10 38 44	11°20'16	8 ^h 24	26 ^h 39	13°33	1° 0	20°16	8° 7	16 ^h 45	14°10	27°25	3 ^h 52	4° 6	28°41	18°16	T 2
F 3	10 42 40	12°20'23	20°16	26° 5	14°48	1°17	20°25	8°12	16°43	14°11	27°26	3°40	4° 3	28°48	18°19	F 3
S 4	10 46 37	13°20'27	2 ^h 8	25°39	16° 2	1°34	20°34	8°18	16°40	14°13	27°26	3°26	4° 0	28°54	18°21	S 4
S 5	10 50 33	14°20'29	14° 2	25°19	17°17	1°51	20°43	8°23	16°37	14°14	27°27	3°11	3°57	29° 1	18°23	S 5
M 6	10 54 30	15°20'30	26° 0	25° 6	18°32	2° 9	20°52	8°29	16°35	14°15	27°27	2°57	3°53	29° 8	18°26	M 6
T 7	10 58 26	16°20'29	8 ^h 1	25°D 0	19°47	2°27	21° 2	8°35	16°32	14°17	27°28	2°45	3°50	29°14	18°28	T 7
W 8	11 2 23	17°20'26	20° 9	25° 0	21° 2	2°46	21°11	8°40	16°30	14°18	27°28	2°36	3°47	29°21	18°31	W 8
T 9	11 6 19	18°20'21	2 ^h 24	25° 6	22°17	3° 5	21°21	8°46	16°27	14°19	27°29	2°29	3°44	29°28	18°33	T 9
F 10	11 10 16	19°20'15	14°49	25°19	23°32	3°24	21°31	8°52	16°24	14°21	27°29	2°26	3°41	29°35	18°36	F 10
S 11	11 14 12	20°20'07	27°27	25°36	24°46	3°44	21°41	8°58	16°22	14°22	27°30	2°D24	3°38	29°41	18°39	S 11
S 12	11 18 9	21°19'57	10 ^h 23	25°59	26° 1	4° 4	21°51	9° 4	16°19	14°24	27°31	2°24	3°34	29°48	18°41	S 12
M13	11 22 6	22°19'45	23°38	26°27	27°16	4°25	22° 1	9°10	16°16	14°25	27°31	2°R25	3°31	29°55	18°44	M13
T 14	11 26 2	23°19'32	7 ^h 18	26°59	28°31	4°45	22°11	9°16	16°14	14°27	27°32	2°24	3°28	0 ^h 2	18°47	T 14
W15	11 29 59	24°19'18	21°23	27°36	29°45	5° 7	22°22	9°22	16°11	14°28	27°33	2°21	3°25	0° 8	18°50	W15
T 16	11 33 55	25°19'01	5 ^h 52	28°17	1°Y 0	5°28	22°32	9°28	16° 9	14°30	27°33	2°16	3°22	0°15	18°53	T 16
F 17	11 37 52	26°18'43	20°44	29° 1	2°15	5°50	22°43	9°35	16° 6	14°32	27°34	2° 8	3°18	0°22	18°56	F 17
S 18	11 41 48	27°18'23	5 ^h 51	29°49	3°29	6°12	22°54	9°41	16° 4	14°33	27°35	1°59	3°15	0°28	18°59	S 18
S 19	11 45 45	28°18'01	21° 3	0 ^h 41	4°44	6°34	23° 4	9°47	16° 1	14°35	27°35	1°49	3°12	0°35	19° 2	S 19
M20	11 49 41	29°17'37	6°Y10	1°35	5°59	6°57	23°15	9°54	15°58	14°37	27°36	1°40	3° 9	0°42	19° 5	M20
T 21	11 53 38	0°Y17'11	21° 1	2°33	7°13	7°20	23°26	10° 0	15°56	14°38	27°37	1°32	3° 6	0°49	19° 8	T 21
W22	11 57 35	1°16'43	5 ^h 30	3°33	8°28	7°43	23°37	10° 7	15°53	14°40	27°38	1°27	3° 3	0°55	19°11	W22
T 23	12 1 31	2°16'12	19°30	4°36	9°42	8° 7	23°48	10°14	15°51	14°42	27°39	1°24	2°59	1° 2	19°14	T 23
F 24	12 5 28	3°15'40	3 ^h 11	5°41	10°57	8°31	24° 0	10°20	15°48	14°44	27°39	1°D24	2°56	1° 9	19°18	F 24
S 25	12 9 24	4°15'05	16° 7	6°49	12°12	8°55	24°11	10°27	15°46	14°45	27°40	1°24	2°53	1°16	19°21	S 25
S 26	12 13 21	5°14'28	28°47	7°59	13°26	9°19	24°23	10°34	15°44	14°47	27°41	1°25	2°50	1°22	19°24	S 26
M27	12 17 17	6°13'48	11 ^h 9	9°11	14°41	9°44	24°34	10°40	15°41	14°49	27°42	1°R25	2°47	1°29	19°28	M27
T 28	12 21 14	7°13'07	23°15	10°25	15°55	10° 8	24°46	10°47	15°39	14°51	27°43	1°24	2°44	1°36	19°31	T 28
W29	12 25 10	8°12'23	5 ^h 13	11°41	17° 9	10°34	24°57	10°54	15°36	14°53	27°44	1°20	2°40	1°42	19°34	W29
T 30	12 29 7	9°11'36	17° 5	12°59	18°24	10°59	25° 9	11° 1	15°34	14°55	27°45	1°14	2°37	1°49	19°38	T 30
F 31	12 33 4	10°Y10'47	28 ^h 56	14 ^h 19	19°Y38	11 ^h 24	25 ^h 21	11 ^h 8	15 ^h 32	14 ^h 57	27 ^h 46	1 ^h 6	2 ^h 34	1 ^h 56	19 ^h 41	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	7s42	16n57	3s59	9s34	3n 1	8s17	1s26	26n23	2n55	17n 2	0s47	12n 6	2s13	5n58	0n49	14n25
T 2	7 19	13 48	4 31	9 59	2 49	7 48	1 26	26 21	2 54	17 5	0 46	12 8	2 13	5 59	0 49	14 26
F 3	6 56	10 7	4 52	10 23	2 36	7 19	1 26	26 20	2 53	17 7	0 46	12 10	2 12	6 0	0 49	14 26
S 4	6 33	6 3	5 0	10 44	2 23	6 50	1 26	26 18	2 52	17 10	0 46	12 12	2 12	6 1	0 49	14 27
S 5	6 10	1 45	4 54	11 4	2 9	6 20	1 26	26 17	2 51	17 12	0 46	12 14	2 12	6 2	0 49	14 27
M 6	5 47	2s38	4 36	11 21	1 55	5 51	1 26	26 15	2 49	17 15	0 45	12 16	2 12	6 3	0 49	14 28
T 7	5 24	6 57	4 6	11 37	1 41	5 21	1 25	26 14	2 48	17 18	0 45	12 18	2 11	6 4	0 49	14 28
W 8	5 0	11 1	3 24	11 50	1 27	4 51	1 25	26 12	2 47	17 21	0 45	12 20	2 11	6 5	0 49	14 28
T 9	4 37	14 41	2 32	12 1	1 13	4 21	1 24	26 11	2 46	17 23	0 45	12 22	2 11	6 6	0 49	14 29
F 10	4 13	17 45	1 32	12 10	0 59	3 51	1 24	26 9	2 45	17 26	0 45	12 24	2 11	6 7	0 49	14 29
S 11	3 50	20 2	0 26	12 17	0 43	3 21	1 23	26 7	2 43	17 29	0 44	12 26	2 11	6 8	0 49	14 30
S 12	3 26	21 19	0n42	12 22	0 32	2 51	1 23	26 6	2 42	17 32	0 44	12 28	2 10	6 9	0 49	14 30
M13	3 3	21 28	1 50	12 24	0 19	2 20	1 22	26 4	2 41	17 34	0 44	12 30	2 10	6 10	0 49	14 31
T 14	2 39	20 21	2 54	12 25	0 7	1 50	1 21	26 2	2 40	17 37	0 44	12 32	2 10	6 11	0 49	14 31
W15	2 15	17 59	3 49	12 24	0s 5	1 20	1 20	26 0	2 39	17 40	0 44	12 34	2 10	6 12	0 49	14 32
T 16	1 52	14 25	4 32	12 20	0 17	0 49	1 19	25 58	2 38	17 43	0 43	12 36	2 10	6 13	0 49	14 32
F 17	1 28	9 54	4 57	12 15	0 28	0 18	1 19	25 56	2 36	17 46	0 43	12 39	2 9	6 14	0 49	14 33
S 18	1 4	4 41	5 2	12 8	0 39	0n12	1 18	25 54	2 35	17 49	0 43	12 41	2 9	6 15	0 49	14 33
S 19	0 41	0n50	4 46	12 0	0 49	0 43	1 16	25 51	2 34	17 52	0 43	12 43	2 9	6 16	0 49	14 34
M20	0 17	6 17	4 10	11 50	0 58	1 13	1 15	25 49	2 33	17 55	0 43	12 45	2 9	6 17	0 49	14 34
T 21	0n 7	11 16	3 18	11 38	1 8	1 44	1 14	25 47	2 32	17 57	0 43	12 47	2 9	6 18	0 49	14 35
W22	0 31	15 28	2 14	11 24	1 16	2 15	1 13	25 44	2 31	18 0	0 42	12 49	2 9	6 19	0 49	14 36
T 23	0 54	18 38	1 3	11 9	1 25	2 45	1 12	25 42	2 30	18 3	0 42	12 52	2 8	6 20	0 49	14 36
F 24	1 18	20 38	0s 9	10 52	1 32	3 16	1 10	25 39	2 29	18 6	0 42	12 54	2 8	6 21	0 49	14 37
S 25	1 41	21 26	1 18	10 34	1 40	3 46	1 9	25 37	2 28	18 9	0 42	12 56	2 8	6 22	0 49	14 37
S 26	2 5	21 6	2 21	10 14	1 47	4 16	1 7	25 34	2 27	18 12	0 42	12 58	2 8	6 23	0 49	14 38
M27	2 29	19 44	3 16	9 52	1 53	4 46	1 6	25 31	2 26	18 15	0 41	13 1	2 8	6 24	0 49	14 38
T 28	2 52	17 29	4 1	9 30	1 59	5 17	1 4	25 28	2 24	18 18	0 41	13 3	2 8	6 25	0 49	14 39
W29	3 15	14 31	4 35	9 6	2 4	5 47	1 3	25 25	2 23	18 21	0 41	13 5	2 7	6 26	0 49	14 40
T 30	3 39	11 0	4 57	8 40	2 9	6 16	1 1	25 22	2 22	18 24	0 41	13 7	2 7	6 27	0 49	14 40
F 31	4n 2	7n 4	5s 6	8s13	2s13	6n46	0s59	25n19	2n21	18n27	0s41	13n10	2s 7	6n27	0n49	14n41

Julian Day Number = 2408505.5, Delta T = -3.98 sec
 Ecliptic obliquity = 23°27'13, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°05'41, Lahiri = 22°12'41

ASTRODIENST EPHEMERIS for the year 1882

geocentric

MAY 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 35 17	10♌29'41	13♏21	8♌57	27♌52	26♌7	1♏59	14♌59	14♌R37	16♌2	28♌22	29♌R47	0♌55	5♏24	21♌45	M 1
T 2	14 39 13	11°27'50	25°42	11° 6	29° 5	26°38	2°13	15° 6	14♏36	16° 5	28°23	29♏44	0°52	5°31	21°49	T 2
W 3	14 43 10	12°25'58	8♏16	13°16	0♏19	27° 9	2°27	15°14	14°35	16° 7	28°24	29°43	0°49	5°38	21°54	W 3
T 4	14 47 6	13°24'04	21° 3	15°26	1°32	27°40	2°40	15°22	14°34	16° 9	28°26	29°42	0°46	5°44	21°58	T 4
F 5	14 51 3	14°22'08	4♏4	17°36	2°46	28°11	2°54	15°29	14°33	16°11	28°27	29°D41	0°43	5°51	22° 2	F 5
S 6	14 54 59	15°20'11	17°18	19°46	3°59	28°42	3° 8	15°37	14°32	16°14	28°28	29°42	0°40	5°58	22° 6	S 6
S 7	14 58 56	16°18'12	0♏45	21°55	5°13	29°14	3°21	15°45	14°31	16°16	28°29	29°43	0°36	6° 5	22°11	S 7
M 8	15 2 53	17°16'12	14°24	24° 4	6°26	29°45	3°35	15°52	14°31	16°18	28°31	29°44	0°33	6°11	22°15	M 8
T 9	15 6 49	18°14'10	28°15	26°12	7°39	0♏17	3°49	16° 0	14°30	16°20	28°32	29°45	0°30	6°18	22°19	T 9
W10	15 10 46	19°12'07	12♏17	28°19	8°53	0°48	4° 3	16° 8	14°29	16°23	28°34	29°45	0°27	6°25	22°24	W10
T 11	15 14 42	20°10'03	26°28	0♏24	10° 6	1°20	4°17	16°16	14°29	16°25	28°35	29°R45	0°24	6°32	22°28	T 11
F 12	15 18 39	21° 7'58	10♏46	2°28	11°19	1°52	4°30	16°23	14°28	16°27	28°36	29°45	0°21	6°38	22°33	F 12
S 13	15 22 35	22° 5'51	25° 8	4°29	12°33	2°24	4°44	16°31	14°27	16°29	28°38	29°44	0°17	6°45	22°37	S 13
S 14	15 26 32	23° 3'43	9♏30	6°28	13°46	2°56	4°58	16°39	14°27	16°32	28°39	29°43	0°14	6°52	22°41	S 14
M15	15 30 28	24° 1'34	23°49	8°25	14°59	3°28	5°12	16°46	14°27	16°34	28°40	29°43	0°11	6°58	22°46	M15
T 16	15 34 25	24°59'24	7♏58	10°19	16°12	4° 0	5°26	16°54	14°26	16°36	28°42	29°42	0° 8	7° 5	22°50	T 16
W17	15 38 22	25°57'12	21°55	12°11	17°25	4°33	5°40	17° 2	14°26	16°38	28°43	29°42	0° 5	7°12	22°54	W17
T 18	15 42 18	26°54'59	5♏36	14° 0	18°39	5° 5	5°54	17° 9	14°26	16°41	28°44	29°D42	0° 1	7°19	22°59	T 18
F 19	15 46 15	27°52'45	18°58	15°45	19°52	5°38	6° 8	17° 7	14°25	16°43	28°46	29°42	29♏58	7°25	23° 3	F 19
S 20	15 50 11	28°50'29	2♏1	17°28	21° 5	6°10	6°22	17°25	14°25	16°45	28°47	29°42	29°55	7°32	23° 7	S 20
S 21	15 54 8	29°48'12	14°45	19° 8	22°18	6°43	6°36	17°32	14°25	16°47	28°48	29°R42	29°52	7°39	23°12	S 21
M22	15 58 4	0♏45'53	27°11	20°44	23°31	7°16	6°50	17°40	14°D25	16°50	28°50	29°42	29°49	7°45	23°16	M22
T 23	16 2 1	1°43'33	9♏23	22°17	24°44	7°49	7° 4	17°47	14°25	16°52	28°51	29°42	29°46	7°52	23°20	T 23
W24	16 5 57	2°41'11	21°25	23°48	25°57	8°22	7°18	17°55	14°25	16°54	28°52	29°42	29°42	7°59	23°25	W24
T 25	16 9 54	3°38'48	3♏20	25°14	27°10	8°55	7°32	18° 2	14°25	16°56	28°54	29°D42	29°39	8° 6	23°29	T 25
F 26	16 13 51	4°36'23	15°13	26°38	28°23	9°28	7°46	18°10	14°25	16°58	28°55	29°42	29°36	8°12	23°33	F 26
S 27	16 17 47	5°33'57	27° 9	27°58	29°36	10° 1	8° 0	18°18	14°26	17° 0	28°57	29°42	29°33	8°19	23°38	S 27
S 28	16 21 44	6°31'29	9♏12	29°15	0♏48	10°35	8°14	18°25	14°26	17° 3	28°58	29°43	29°30	8°26	23°42	S 28
M29	16 25 40	7°29'00	21°27	0♏28	2° 1	11° 8	8°28	18°32	14°26	17° 5	28°59	29°44	29°27	8°33	23°46	M29
T 30	16 29 37	8°26'30	3♏55	1°38	3°14	11°41	8°42	18°40	14°27	17° 7	29° 1	29°44	29°23	8°39	23°50	T 30
W31	16 33 33	9♏23'59	16♏41	2♏44	4♏27	12♏15	8♏56	18♏47	14♏27	17♏9	29♏2	29♏45	29♏20	8♏46	23♏55	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	14n59	8s46	3s48	14n 8	0s23	19n52	0n11	22n47	1n52	19n59	0s36	14n22	2s 4	6n48	0n48	15n 0
T 2	15 17	12 41	2 57	14 58	0 12	20 11	0 14	22 40	1 52	20 2	0 36	14 24	2 4	6 48	0 48	15 1
W 3	15 35	16 5	1 56	15 48	0 2	20 29	0 16	22 33	1 51	20 4	0 36	14 26	2 4	6 48	0 48	15 2
T 4	15 52	18 48	0 48	16 37	0n 9	20 47	0 19	22 26	1 50	20 7	0 36	14 28	2 4	6 49	0 48	15 2
F 5	16 10	20 35	0n24	17 24	0 19	21 4	0 21	22 19	1 49	20 10	0 36	14 31	2 4	6 49	0 48	15 3
S 6	16 27	21 15	1 36	18 10	0 30	21 21	0 24	22 12	1 48	20 13	0 36	14 33	2 4	6 49	0 48	15 4
S 7	16 43	20 44	2 43	18 54	0 40	21 37	0 26	22 5	1 47	20 15	0 36	14 35	2 4	6 50	0 48	15 4
M 8	17 0	18 59	3 43	19 37	0 51	21 52	0 29	21 57	1 47	20 18	0 35	14 37	2 4	6 50	0 48	15 5
T 9	17 16	16 7	4 30	20 18	1 0	22 7	0 31	21 50	1 46	20 21	0 35	14 40	2 4	6 50	0 47	15 6
W10	17 32	12 17	5 2	20 56	1 10	22 21	0 34	21 42	1 45	20 24	0 35	14 42	2 4	6 50	0 47	15 6
T 11	17 48	7 45	5 16	21 32	1 19	22 35	0 36	21 34	1 44	20 26	0 35	14 44	2 4	6 51	0 47	15 7
F 12	18 3	2 44	5 11	22 6	1 28	22 48	0 39	21 26	1 43	20 29	0 35	14 46	2 4	6 51	0 47	15 7
S 13	18 18	2n27	4 46	22 37	1 36	23 0	0 41	21 18	1 43	20 31	0 35	14 48	2 4	6 51	0 47	15 8
S 14	18 33	7 30	4 4	23 6	1 43	23 11	0 44	21 10	1 42	20 34	0 35	14 51	2 4	6 51	0 47	15 9
M15	18 47	12 8	3 6	23 32	1 50	23 22	0 46	21 2	1 41	20 37	0 35	14 53	2 4	6 51	0 47	15 9
T 16	19 2	16 2	1 58	23 55	1 56	23 33	0 49	20 53	1 40	20 39	0 35	14 55	2 4	6 51	0 47	15 10
W17	19 15	18 57	0 43	24 16	2 1	23 42	0 51	20 45	1 39	20 42	0 34	14 57	2 4	6 51	0 47	15 11
T 18	19 29	20 43	0s33	24 35	2 6	23 51	0 53	20 36	1 39	20 44	0 34	14 59	2 4	6 51	0 47	15 11
F 19	19 42	21 15	1 45	24 51	2 10	23 59	0 56	20 27	1 38	20 47	0 34	15 1	2 4	6 52	0 47	15 12
S 20	19 55	20 37	2 50	25 4	2 13	24 7	0 58	20 19	1 37	20 49	0 34	15 4	2 4	6 52	0 47	15 12
S 21	20 7	18 55	3 45	25 15	2 15	24 14	1 0	20 10	1 36	20 52	0 34	15 6	2 4	6 52	0 47	15 13
M22	20 19	16 22	4 27	25 24	2 16	24 20	1 2	20 0	1 36	20 54	0 34	15 8	2 4	6 51	0 47	15 14
T 23	20 31	13 8	4 57	25 30	2 17	24 25	1 5	19 51	1 35	20 57	0 34	15 10	2 4	6 51	0 47	15 14
W24	20 43	9 25	5 14	25 35	2 17	24 30	1 7	19 42	1 34	20 59	0 34	15 12	2 4	6 51	0 47	15 15
T 25	20 54	5 22	5 16	25 38	2 16	24 34	1 9	19 32	1 33	21 1	0 34	15 14	2 4	6 51	0 47	15 16
F 26	21 4	1 8	5 5	25 38	2 14	24 38	1 11	19 23	1 33	21 4	0 34	15 16	2 4	6 51	0 47	15 16
S 27	21 15	3s10	4 41	25 37	2 11	24 40	1 13	19 13	1 32	21 6	0 34	15 18	2 4	6 51	0 47	15 17
S 28	21 25	7 24	4 5	25 34	2 7	24 42	1 15	19 3	1 31	21 8	0 33	15 20	2 4	6 51	0 47	15 17
M29	21 34	11 24	3 17	25 30	2 3	24 43	1 17	18 53	1 30	21 11	0 33	15 22	2 4	6 51	0 47	15 18
T 30	21 44	15 0	2 18	25 24	1 58	24 44	1 19	18 43	1 30	21 13	0 33	15 24	2 4	6 51	0 47	15 18
W31	21n52	17s59	1s12	25n17	1n52	24n43	1n21	18n33	1n29	21n15	0s33	15n26	2s 4	6n50	0n47	15n19

Julian Day Number = 2408566.5, Delta T = -4.03 sec
 Ecliptic obliquity = 23°27'12, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°05'49, Lahiri = 22°12'50

ASTRODIENST EPHEMERIS for the year 1882

geocentric

JUNE 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 37 30	10 ^{II} 21'27	29 ^{III} 45	3 [☿] 47	5 [♄] 39	12 [♂] 49	9 [♂] 10	18 [♄] 55	14 [♂] 28	17 [♂] 11	29 [♂] 3	29 [♂] R45	29 [♂] 17	8 [♂] 53	23 [♂] 59	T 1
F 2	16 41 26	11°18'53	13 [♂] 7	4°46	6°52	13°22	9°24	19°2	14°28	17°13	29°5	29 [♂] 145	29°14	8°59	24°3	F 2
S 3	16 45 23	12°16'19	26°46	5°41	8°5	13°56	9°38	19°9	14°29	17°15	29°6	29°44	29°11	9°6	24°7	S 3
S 4	16 49 20	13°13'44	10 [♄] 40	6°32	9°17	14°30	9°52	19°17	14°29	17°17	29°7	29°43	29°7	9°13	24°12	S 4
M 5	16 53 16	14°11'08	24°45	7°20	10°30	15°4	10°6	19°24	14°30	17°19	29°9	29°41	29°4	9°20	24°16	M 5
T 6	16 57 13	15°8'31	8 [♄] 59	8°3	11°42	15°38	10°20	19°31	14°31	17°21	29°10	29°39	29°1	9°26	24°20	T 6
W 7	17 1 9	16°5'54	23°16	8°43	12°55	16°12	10°34	19°38	14°32	17°24	29°11	29°38	28°58	9°33	24°24	W 7
T 8	17 5 6	17°3'16	7 [♂] 33	9°18	14°7	16°46	10°48	19°46	14°33	17°26	29°12	29°37	28°55	9°40	24°28	T 8
F 9	17 9 2	18°0'37	21°47	9°49	15°19	17°20	11°2	19°53	14°33	17°28	29°14	29°D37	28°52	9°46	24°32	F 9
S 10	17 12 59	18°57'58	5 [♂] 56	10°16	16°32	17°54	11°16	20°0	14°34	17°30	29°15	29°37	28°48	9°53	24°36	S 10
S 11	17 16 55	19°55'19	19°58	10°38	17°44	18°29	11°30	20°7	14°35	17°32	29°16	29°38	28°45	10°0	24°40	S 11
M12	17 20 52	20°52'39	3 [♄] 50	10°56	18°57	19°3	11°44	20°14	14°37	17°34	29°18	29°40	28°42	10°7	24°44	M12
T 13	17 24 49	21°49'59	17°33	11°9	20°9	19°37	11°57	20°21	14°38	17°35	29°19	29°41	28°39	10°13	24°48	T 13
W14	17 28 45	22°47'19	1 ^{II} 4	11°17	21°21	20°12	12°11	20°28	14°39	17°37	29°20	29°R41	28°36	10°20	24°52	W14
T 15	17 32 42	23°44'38	14°21	11°R22	22°33	20°46	12°25	20°35	14°40	17°39	29°21	29°40	28°33	10°27	24°56	T 15
F 16	17 36 38	24°41'56	27°25	11°21	23°45	21°21	12°39	20°42	14°41	17°41	29°23	29°39	28°29	10°34	25°0	F 16
S 17	17 40 35	25°39'14	10 [♄] 15	11°16	24°58	21°56	12°53	20°48	14°43	17°43	29°24	29°35	28°26	10°40	25°4	S 17
S 18	17 44 31	26°36'32	22°50	11°7	26°10	22°31	13°7	20°55	14°44	17°45	29°25	29°31	28°23	10°47	25°8	S 18
M19	17 48 28	27°33'48	5 [♂] 12	10°53	27°22	23°5	13°20	21°2	14°45	17°47	29°26	29°27	28°20	10°54	25°12	M19
T 20	17 52 25	28°31'04	17°22	10°36	28°34	23°40	13°34	21°9	14°47	17°49	29°28	29°22	28°17	11°0	25°16	T 20
W21	17 56 21	29°28'20	29°22	10°15	29°46	24°15	13°48	21°15	14°48	17°50	29°29	29°18	28°13	11°7	25°20	W21
T 22	18 0 18	0 [♄] 25'35	11 [♂] 17	9°50	0 [♂] 58	24°50	14°2	21°22	14°50	17°52	29°30	29°15	28°10	11°14	25°24	T 22
F 23	18 4 14	1°22'49	23°9	9°22	2°10	25°25	14°15	21°28	14°52	17°54	29°31	29°14	28°7	11°21	25°27	F 23
S 24	18 8 11	2°20'02	5 [♂] 4	8°52	3°21	26°1	14°29	21°35	14°53	17°56	29°32	29°D13	28°4	11°27	25°31	S 24
S 25	18 12 7	3°17'15	17°7	8°19	4°33	26°36	14°42	21°41	14°55	17°57	29°34	29°14	28°1	11°34	25°35	S 25
M26	18 16 4	4°14'28	29°21	7°45	5°45	27°11	14°56	21°48	14°57	17°59	29°35	29°16	27°58	11°41	25°38	M26
T 27	18 20 0	5°11'40	11 [♂] 52	7°9	6°57	27°46	15°10	21°54	14°59	18°1	29°36	29°17	27°54	11°47	25°42	T 27
W28	18 23 57	6°8'52	24°43	6°33	8°8	28°22	15°23	22°0	15°0	18°2	29°37	29°R18	27°51	11°54	25°46	W28
T 29	18 27 53	7°6'03	7 [♂] 58	5°58	9°20	28°57	15°37	22°7	15°2	18°4	29°38	29°18	27°48	12°1	25°49	T 29
F 30	18 31 50	8 [♄] 3'14	21 [♂] 36	5 [♄] 22	10 [♂] 31	29 [♂] 33	15 ^{II} 50	22 [♄] 13	15 [♂] 4	18 [♄] 6	29 [♄] 39	29 [♂] 16	27 [♂] 45	12 [♂] 8	25 [♄] 53	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	decl	lat
T 1	22n 1	20s 7	0s 0	25n 9	1n45	24n42	1n23	18n23	1n28	21n18	0s33	15n28	2s 4	6n50	0n46	15n20	1s43	7n14	13s 1	20s 7	20s 1	3n32	16n10	2s41			
F 2	22 9	21 10	1n13	24 59	1 37	24 41	1 24	18 13	1 27	21 20	0 33	15 30	2 4	6 50	0 46	15 20	1 43	7 14	13 1	20 7	20 0	3 30	16 11	2 41			
S 3	22 17	21 1	2 24	24 48	1 28	24 38	1 26	18 2	1 27	21 22	0 33	15 32	2 4	6 50	0 46	15 21	1 43	7 15	13 1	20 6	19 59	3 28	16 12	2 42			
S 4	22 24	19 35	3 27	24 36	1 19	24 35	1 28	17 52	1 26	21 24	0 33	15 34	2 4	6 49	0 46	15 21	1 43	7 15	13 1	20 6	19 58	3 25	16 13	2 42			
M 5	22 31	16 56	4 19	24 24	1 9	24 31	1 29	17 41	1 25	21 26	0 33	15 36	2 4	6 49	0 46	15 22	1 43	7 15	13 1	20 6	19 58	3 23	16 14	2 42			
T 6	22 37	13 16	4 55	24 11	0 58	24 27	1 31	17 30	1 25	21 28	0 33	15 38	2 4	6 49	0 46	15 22	1 43	7 15	13 1	20 5	19 57	3 21	16 15	2 42			
W 7	22 44	8 50	5 14	23 56	0 47	24 21	1 32	17 19	1 24	21 30	0 33	15 40	2 4	6 48	0 46	15 23	1 43	7 16	13 1	20 5	19 56	3 18	16 16	2 42			
T 8	22 49	3 54	5 12	23 42	0 34	24 15	1 34	17 8	1 23	21 32	0 33	15 42	2 4	6 48	0 46	15 23	1 43	7 16	13 1	20 5	19 56	3 16	16 16	2 42			
F 9	22 55	1n13	4 52	23 27	0 21	24 9	1 35	16 57	1 22	21 34	0 32	15 43	2 4	6 48	0 46	15 24	1 43	7 16	13 1	20 5	19 55	3 14	16 17	2 42			
S 10	23 0	6 15	4 14	23 11	0 8	24 1	1 36	16 46	1 22	21 36	0 32	15 45	2 4	6 47	0 46	15 25	1 43	7 16	13 1	20 5	19 54	3 11	16 18	2 43			
S 11	23 4	10 55	3 22	22 55	0s 7	23 53	1 38	16 35	1 21	21 38	0 32	15 47	2 4	6 47	0 46	15 25	1 43	7 16	13 1	20 5	19 54	3 9	16 19	2 43			
M12	23 8	14 58	2 18	22 39	0 22	23 45	1 39	16 23	1 20	21 40	0 32	15 49	2 4	6 46	0 46	15 26	1 43	7 17	13 1	20 5	19 53	3 6	16 20	2 43			
T 13	23 12	18 8	1 6	22 22	0 37	23 35	1 40	16 12	1 20	21 42	0 32	15 51	2 5	6 46	0 46	15 26	1 43	7 17	13 1	20 6	19 52	3 4	16 21	2 43			
W14	23 15	20 16	0s 8	22 6	0 53	23 25	1 41	16 0	1 19	21 44	0 32	15 52	2 5	6 45	0 46	15 27	1 43	7 17	13 2	20 6	19 51	3 2	16 21	2 43			
T 15	23 18	21 13	1 20	21 50	1 9	23 14	1 42	15 49	1 18	21 46	0 32	15 54	2 5	6 45	0 46	15 27	1 43	7 17	13 2	20 6	19 51	2 59	16 22	2 43			
F 16	23 21	20 59	2 26	21 33	1 25	23 3	1 43	15 37	1 17	21 48	0 32	15 56	2 5	6 44	0 46	15 28	1 43	7 17	13 2	20 5	19 50	2 57	16 23	2 44			
S 17	23 23	19 40	3 24	21 17	1 42	22 51	1 43	15 25	1 17	21 50	0 32	15 58	2 5	6 44	0 46	15 28	1 43	7 18	13 2	20 4	19 49	2 55	16 24	2 44			
S 18	23 25	17 23	4 11	21 1	1 58	22 38	1 44	15 13	1 16	21 52	0 32	15 59	2 5	6 43	0 46	15 29	1 44	7 18	13 2	20 4	19 49	2 52	16 24	2 44			
M19	23 26	14 22	4 45	20 46	2 15	22 25	1 45	15 1	1 15	21 53	0 32	16 1	2 5	6 43	0 46	15 29	1 44	7 18	13 2	20 3	19 48	2 50	16 25	2 44			
T 20	23 27	10 47	5 6	20 31	2 31	22 11	1 45	14 49	1 15	21 55	0 32	16 3	2 5	6 42	0 46	15 30	1 44	7 18	13 2	20 2	19 47	2 48	16 26	2 44			
W21	23 27	6 49	5 12	20 16	2 48	21 56	1 46	14 36	1 14	21 57	0 32	16 4	2 5	6 41	0 46	15 30	1 44	7 18	13 2	20 1	19 47	2 45	16 27	2 44			
T 22	23 27	2 37	5 6	20 3	3 3	21 41	1 46	14 24	1 13	21 59	0 32	16 6	2 5	6 41	0 46	15 30	1 44	7 18	13 2	20 0	19 46	2 43	16 27	2 45			
F 23	23 27	1s39	4 46	19 50	3 18	21 25	1 47	14 12	1 13	22 0	0 31	16 7	2 5	6 40	0 46	15 31	1 44	7 18	13 2	20 0	19 45	2 41	16 28	2 45			
S 24	23 26	5 54	4 14	19 37	3 32	21 9	1 47	13 59	1 12	22 2	0 31	16 9	2 5	6 39	0 46	15 31	1 44	7 19	13 2	20 0	19 44	2 38	16 29	2 45			
S 25	23 25	9 57	3 30	19 26	3 46	20 52	1 47	13 46	1 11	22 3	0 31	16 11	2 6	6 39	0 45	15 32	1 44	7 19	13 3	20 0	19 44	2 36	16 29	2 45			
M26	23 23	13 41	2 36	19 16	3 58	20 35	1 47	13 34	1 11	22 5	0 31	16 12	2 6	6 38	0 45	15 32	1 44	7 19	13 3	20 0	19 43	2 34	16 30	2 45			
T 27	23 21	16 53	1 34	19 7	4 9	20 17	1 47	13 21	1 10	22 7	0 31	16 14	2 6	6 37	0 45	15 33	1 44	7 19	13 3	20 1	19 42	2 31	16 31	2 46			
W28	23 19	19 22	0 25	18 59	4 19	19 58	1 47	13 8	1 9	22 8	0 31	16 15	2 6	6 36	0 45	15 33	1 44	7 19	13 3	20 1	19 42	2 29	16 31	2 46			
T 29	23 16	20 53	0n47	18 52	4 27	19 39	1 47	12 55	1 8	22 10	0 31	16 17	2 6	6 36	0 45	15 33	1 44	7 19	13 3	20 1	19 41	2 27	16 32	2 46			
F 30	23n12	21s13	1n58	18n46	4s34	19n20	1n47	12n42	1n 8	22n11	0s31	16n18	2s 6	6n35	0n45	15n34	1s44	7n19	13s 3	20s 0	19s40	2n24	16n33	2s46			

ASTRODIENST EPHEMERIS for the year 1882
geocentric

JULY 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 35 47	9°05'25	5°37'37	4°R49	11°L43	0°m 8	16°II 3	22°B 19	15°m 6	18°B 7	29°B 40	29°R13	27°m 42	12°m 14	25°B 56	S 1
S 2	18 39 43	9°57'36	19°56	4°B 17	12°54	0°44	16°17	22°25	15° 8	18° 9	29°41	29°m 7	27°39	12°21	26° 0	S 2
M 3	18 43 40	10°54'47	4°B 30	3°48	14° 6	1°20	16°30	22°31	15°10	18°10	29°42	29° 1	27°35	12°28	26° 3	M 3
T 4	18 47 36	11°51'58	19°10	3°22	15°17	1°55	16°43	22°37	15°13	18°12	29°43	28°55	27°32	12°34	26° 6	T 4
W 5	18 51 33	12°49'09	3°H 49	2°59	16°28	2°31	16°57	22°43	15°15	18°13	29°45	28°50	27°29	12°41	26°10	W 5
T 6	18 55 29	13°46'20	18°22	2°40	17°39	3° 7	17°10	22°49	15°17	18°15	29°46	28°45	27°26	12°48	26°13	T 6
F 7	18 59 26	14°43'32	2°V 43	2°25	18°51	3°43	17°23	22°55	15°19	18°16	29°47	28°43	27°23	12°55	26°16	F 7
S 8	19 3 23	15°40'44	16°50	2°15	20° 2	4°19	17°36	23° 0	15°21	18°18	29°48	28°D 42	27°19	13° 1	26°20	S 8
S 9	19 7 19	16°37'57	0°B 41	2°10	21°13	4°55	17°49	23° 6	15°24	18°19	29°49	28°43	27°16	13° 8	26°23	S 9
M10	19 11 16	17°35'10	14°17	2°D 10	22°24	5°31	18° 2	23°11	15°26	18°20	29°50	28°44	27°13	13°15	26°26	M10
T 11	19 15 12	18°32'24	27°39	2°15	23°35	6° 7	18°15	23°17	15°29	18°22	29°51	28°R 45	27°10	13°22	26°29	T 11
W12	19 19 9	19°29'38	10°II 47	2°26	24°46	6°43	18°28	23°22	15°31	18°23	29°51	28°44	27° 7	13°28	26°32	W12
T 13	19 23 5	20°26'53	23°42	2°41	25°57	7°19	18°41	23°28	15°34	18°24	29°52	28°41	27° 4	13°35	26°35	T 13
F 14	19 27 2	21°24'08	6°B 26	3° 2	27° 7	7°56	18°54	23°33	15°36	18°26	29°53	28°36	27° 0	13°42	26°38	F 14
S 15	19 30 58	22°21'24	19° 0	3°29	28°18	8°32	19° 6	23°38	15°39	18°27	29°54	28°29	26°57	13°48	26°41	S 15
S 16	19 34 55	23°18'40	1°L 22	4° 1	29°29	9° 8	19°19	23°43	15°41	18°28	29°55	28°20	26°54	13°55	26°44	S 16
M17	19 38 52	24°15'56	13°35	4°38	0°m 39	9°45	19°32	23°49	15°44	18°29	29°56	28°10	26°51	14° 2	26°47	M17
T 18	19 42 48	25°13'13	25°39	5°21	1°50	10°21	19°44	23°54	15°47	18°30	29°57	27°59	26°48	14° 9	26°50	T 18
W19	19 46 45	26°10'30	7°m 36	6° 9	3° 0	10°58	19°57	23°58	15°49	18°31	29°58	27°50	26°45	14°15	26°52	W19
T 20	19 50 41	27° 7'47	19°28	7° 3	4°11	11°35	20° 9	24° 3	15°52	18°32	29°58	27°42	26°41	14°22	26°55	T 20
F 21	19 54 38	28° 5'04	1°A 19	8° 2	5°21	12°11	20°22	24° 8	15°55	18°33	29°59	27°36	26°38	14°29	26°58	F 21
S 22	19 58 34	29° 2'22	13°12	9° 6	6°31	12°48	20°34	24°13	15°58	18°35	0°II 0	27°33	26°35	14°35	27° 0	S 22
S 23	20 2 31	29°59'41	25°12	10°14	7°42	13°25	20°46	24°17	16° 1	18°36	0° 1	27°D 31	26°32	14°42	27° 3	S 23
M24	20 6 27	0°L 56'59	7°m 24	11°28	8°52	14° 2	20°59	24°22	16° 4	18°36	0° 2	27°31	26°29	14°49	27° 5	M24
T 25	20 10 24	1°54'19	19°53	12°47	10° 2	14°39	21°11	24°26	16° 6	18°37	0° 2	27°32	26°25	14°56	27° 8	T 25
W26	20 14 21	2°51'38	2°A 43	14°10	11°12	15°16	21°23	24°31	16° 9	18°38	0° 3	27°R 32	26°22	15° 2	27°10	W26
T 27	20 18 17	3°48'58	16° 0	15°38	12°22	15°53	21°35	24°35	16°12	18°39	0° 4	27°31	26°19	15° 9	27°12	T 27
F 28	20 22 14	4°46'19	29°44	17°11	13°31	16°30	21°47	24°39	16°16	18°40	0° 4	27°27	26°16	15°16	27°15	F 28
S 29	20 26 10	5°43'40	13°B 57	18°47	14°41	17° 7	21°59	24°43	16°19	18°41	0° 5	27°21	26°13	15°22	27°17	S 29
S 30	20 30 7	6°41'02	28°33	20°28	15°51	17°44	22°10	24°47	16°22	18°42	0° 6	27°13	26°10	15°29	27°19	S 30
M31	20 34 3	7°L 38'25	13°B 28	22°B 12	17°m 0	18°m 21	22°II 22	24°B 51	16°m 25	18°B 42	0°II 6	27°m 3	26°m 6	15°m 36	27°B 21	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	23n 9	20s16	3n 4	18n42	4s40	19n 0	1n47	12n29	1n 7	22n13	0s31	16n20	2s 6	6n34	0n45	15n34	1s44	7n19	13s 3	20s 0	19s39	2n22	16n33	2s46	
S 2	23 5	18 1	4 0	18 39	4 44	18 39	1 46	12 15	1 6	22 14	0 31	16 21	2 6	6 33	0 45	15 35	1 44	7 19	13 3	19 58	19 39	2 20	16 34	2 47	
M 3	23 0	14 36	4 41	18 38	4 46	18 18	1 46	12 2	1 6	22 15	0 31	16 22	2 6	6 32	0 45	15 35	1 44	7 19	13 4	19 57	19 38	2 17	16 34	2 47	
T 4	22 55	10 16	5 4	18 38	4 47	17 56	1 45	11 49	1 5	22 17	0 31	16 24	2 7	6 32	0 45	15 35	1 44	7 19	13 4	19 56	19 37	2 15	16 35	2 47	
W 5	22 50	5 20	5 8	18 39	4 46	17 34	1 45	11 35	1 4	22 18	0 31	16 25	2 7	6 31	0 45	15 36	1 44	7 20	13 4	19 55	19 37	2 13	16 36	2 47	
T 6	22 44	0 8	4 51	18 42	4 44	17 12	1 44	11 22	1 4	22 19	0 31	16 26	2 7	6 30	0 45	15 36	1 44	7 20	13 4	19 54	19 36	2 10	16 36	2 47	
F 7	22 38	5n 0	4 16	18 46	4 40	16 49	1 43	11 8	1 3	22 21	0 31	16 28	2 7	6 29	0 45	15 36	1 44	7 20	13 4	19 53	19 35	2 8	16 37	2 48	
S 8	22 32	9 48	3 27	18 51	4 35	16 26	1 42	10 54	1 2	22 22	0 31	16 29	2 7	6 28	0 45	15 37	1 44	7 20	13 4	19 53	19 34	2 6	16 37	2 48	
S 9	22 25	13 59	2 25	18 58	4 29	16 2	1 41	10 40	1 2	22 23	0 30	16 30	2 7	6 27	0 45	15 37	1 44	7 20	13 5	19 53	19 34	2 3	16 38	2 48	
M10	22 18	17 22	1 17	19 5	4 21	15 38	1 40	10 27	1 1	22 25	0 30	16 32	2 7	6 26	0 45	15 37	1 44	7 20	13 5	19 53	19 33	2 1	16 38	2 48	
T 11	22 10	19 45	0 6	19 14	4 13	15 14	1 39	10 13	1 0	22 26	0 30	16 33	2 7	6 25	0 45	15 38	1 44	7 20	13 5	19 54	19 32	1 59	16 39	2 49	
W12	22 2	21 1	1s 4	19 23	4 3	14 49	1 38	9 59	1 0	22 27	0 30	16 34	2 8	6 24	0 45	15 38	1 45	7 20	13 5	19 53	19 31	1 56	16 39	2 49	
T 13	21 54	21 8	2 10	19 33	3 53	14 24	1 37	9 44	0 59	22 28	0 30	16 35	2 8	6 23	0 45	15 38	1 45	7 20	13 5	19 53	19 31	1 54	16 40	2 49	
F 14	21 45	20 10	3 8	19 44	3 41	13 58	1 35	9 30	0 58	22 29	0 30	16 36	2 8	6 22	0 45	15 39	1 45	7 20	13 5	19 52	19 30	1 52	16 40	2 49	
S 15	21 36	18 13	3 56	19 55	3 29	13 32	1 34	9 16	0 58	22 30	0 30	16 38	2 8	6 21	0 45	15 39	1 45	7 20	13 6	19 50	19 29	1 49	16 41	2 50	
S 16	21 26	15 27	4 32	20 7	3 17	13 6	1 32	9 2	0 57	22 31	0 30	16 39	2 8	6 20	0 45	15 39	1 45	7 20	13 6	19 48	19 29	1 47	16 41	2 50	
M17	21 16	12 3	4 55	20 19	3 4	12 39	1 30	8 47	0 57	22 32	0 30	16 40	2 8	6 19	0 45	15 40	1 45	7 20	13 6	19 46	19 28	1 45	16 41	2 50	
T 18	21 6	8 12	5 4	20 31	2 50	12 12	1 29	8 33	0 56	22 33	0 30	16 41	2 8	6 18	0 45	15 40	1 45	7 20	13 6	19 43	19 27	1 42	16 42	2 50	
W19	20 56	4 5	5 0	20 42	2 36	11 45	1 27	8 19	0 55	22 34	0 30	16 42	2 9	6 17	0 45	15 40	1 45	7 20	13 6	19 41	19 26	1 40	16 42	2 51	
T 20	20 45	0s10	4 43	20 54	2 22	11 18	1 25	8 4	0 55	22 35	0 30	16 43	2 9	6 16	0 45	15 40	1 45	7 20	13 7	19 39	19 26	1 38	16 43	2 51	
F 21	20 33	4 24	4 14	21 5	2 8	10 50	1 23	7 49	0 54	22 36	0 30	16 44	2 9	6 15	0 45	15 41	1 45	7 20	13 7	19 38	19 25	1 35	16 43	2 51	
S 22	20 22	8 30	3 34	21 15	1 53	10 22	1 21	7 35	0 53	22 37	0 30	16 45	2 9	6 13	0 45	15 41	1 45	7 20	13 7	19 37	19 24	1 33	16 43	2 51	
S 23	20 10	12 18	2 44	21 25	1 39	9 54	1 18	7 20	0 53	22 38	0 30	16 46	2 9	6 12	0 44	15 41	1 45	7 20	13 7	19 37	19 23	1 31	16 44	2 52	
M24	19 57	15 39	1 45	21 33	1 24	9 26	1 16	7 5	0 52	22 39	0 30	16 47	2 9	6 11	0 44	15 41	1 45	7 19	13 7	19 37	19 23	1 29	16 44	2 52	
T 25	19 45	18 22	0 41	21 41	1 10	8 57	1 14	6 50	0 51	22 40	0 30	16 48	2 10	6 10	0 44	15 41	1 45	7 19	13 8	19 37	19 22	1 26	16 44	2 52	
W26	19 32	20 16	0n28	21 47	0 56	8 28	1 11	6 35	0 51	22 41	0 30	16 49	2 10	6 9	0 44	15 42	1 45	7 19	13 8	19 37	19 21	1 24	16 44	2 52	
T 27	19 19	21 7	1 37	21 51	0 42	7 59	1 9	6 21	0 50	22 42	0 30	16 50	2 10	6 8	0 44	15 42	1 45	7 19	13 8	19 37	19 20	1 22	16 45	2 53	
F 28	19 5	20 45	2 42	21 53	0 28	7 30	1 6	6 6	0 49	22 42	0 30	16 50	2 10	6 6	0 44	15 42	1 45	7 19	13 8	19 36	19 20	1 19	16 45	2 53	
S 29	18 51	19 4	3 40	21 54	0 15	7 0	1 3	5 51	0 49	22 43	0 30	16 51	2 10	6 5	0 44	15 42	1 45	7 19	13 8	19 35	19 19	1 17	16 45	2 53	
S 30	18 37	16 8	4 25	21 52	0 2	6 31	1 1	5 35	0 48	22 44	0 30	16 52	2 10	6 4	0 44	15 42	1 46	7 19	13 9	19 33	19 18	1 15	16 45	2 53	
M31	18n22	12s 6	4n54	21n48	0n11	6n 1	0n58	5n20	0n47	22n45	0s29	16n53	2s11	6n 3	0n44	15n42	1s46	7n19	13s 9	19s31	19s17	1n12	16n46	2s54	

ASTRODIENST EPHEMERIS for the year 1882

geocentric

AUGUST 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 0	8♂35'48	28♂32	24♂0	18♂10	18♂58	22♂34	24♂55	16♂28	18♂43	0♂7	26♂R53	26♂3	15♂43	27♂23	T 1
W 2	20 41 56	9°33'13	13♂35	25°51	19°19	19°36	22°45	24°59	16°31	18°44	0°8	26♂44	26°0	15°49	27°25	W 2
T 3	20 45 53	10°30'39	28°27	27°45	20°28	20°13	22°57	25°3	16°34	18°44	0°8	26°36	25°57	15°56	27°27	T 3
F 4	20 49 50	11°28'05	13♂3	29°41	21°38	20°50	23°8	25°6	16°38	18°45	0°9	26°31	25°54	16°3	27°29	F 4
S 5	20 53 46	12°25'34	27°17	1♂39	22°47	21°28	23°19	25°10	16°41	18°46	0°9	26°29	25°50	16°9	27°31	S 5
S 6	20 57 43	13°23'03	11♂9	3°39	23°56	22°5	23°31	25°13	16°44	18°46	0°10	26°D28	25°47	16°16	27°33	S 6
M 7	21 1 39	14°20'34	24°39	5°40	25°5	22°43	23°42	25°17	16°47	18°47	0°10	26°R28	25°44	16°23	27°34	M 7
T 8	21 5 36	15°18'06	7♂49	7°42	26°13	23°20	23°53	25°20	16°51	18°47	0°11	26°28	25°41	16°30	27°36	T 8
W 9	21 9 32	16°15'40	20°42	9°45	27°22	23°58	24°4	25°23	16°54	18°48	0°11	26°26	25°38	16°36	27°38	W 9
T 10	21 13 29	17°13'15	3♂22	11°49	28°31	24°36	24°15	25°26	16°58	18°48	0°12	26°22	25°35	16°43	27°39	T 10
F 11	21 17 25	18°10'51	15°50	13°52	29°39	25°14	24°25	25°29	17°1	18°48	0°12	26°14	25°31	16°50	27°41	F 11
S 12	21 21 22	19°8'29	28°8	15°55	0♂48	25°52	24°36	25°32	17°4	18°49	0°12	26°4	25°28	16°56	27°42	S 12
S 13	21 25 19	20°6'08	10♂18	17°58	1°56	26°29	24°47	25°35	17°8	18°49	0°13	25°52	25°25	17°3	27°44	S 13
M14	21 29 15	21°3'48	22°22	20°0	3°4	27°7	24°57	25°37	17°11	18°49	0°13	25°38	25°22	17°10	27°45	M14
T 15	21 33 12	22°1'30	4♂20	22°1	4°12	27°45	25°7	25°40	17°15	18°50	0°13	25°24	25°19	17°17	27°46	T 15
W16	21 37 8	22°59'12	16°13	24°2	5°20	28°23	25°18	25°42	17°18	18°50	0°14	25°11	25°16	17°23	27°47	W16
T 17	21 41 5	23°56'56	28°3	26°1	6°28	29°2	25°28	25°45	17°22	18°50	0°14	25°0	25°12	17°30	27°48	T 17
F 18	21 45 1	24°54'41	9♂53	28°0	7°36	29°40	25°38	25°47	17°25	18°50	0°14	24°52	25°9	17°37	27°50	F 18
S 19	21 48 58	25°52'28	21°45	29°57	8°43	0♂18	25°48	25°49	17°29	18°50	0°15	24°46	25°6	17°43	27°51	S 19
S 20	21 52 54	26°50'15	3♂44	1♂53	9°51	0°56	25°58	25°51	17°33	18°50	0°15	24°43	25°3	17°50	27°51	S 20
M21	21 56 51	27°48'04	15°53	3°47	10°58	1°35	26°7	25°53	17°36	18°51	0°15	24°42	25°0	17°57	27°52	M21
T 22	22 0 47	28°45'54	28°19	5°40	12°6	2°13	26°17	25°55	17°40	18°R51	0°15	24°42	24°56	18°4	27°53	T 22
W23	22 4 44	29°43'45	11♂6	7°32	13°13	2°51	26°27	25°57	17°43	18°51	0°15	24°41	24°53	18°10	27°54	W23
T 24	22 8 41	0♂41'37	24°18	9°23	14°20	3°30	26°36	25°58	17°47	18°51	0°16	24°40	24°50	18°17	27°55	T 24
F 25	22 12 37	1°39'30	7♂59	11°12	15°26	4°8	26°45	26°0	17°51	18°50	0°16	24°36	24°47	18°24	27°55	F 25
S 26	22 16 34	2°37'25	22°10	13°0	16°33	4°47	26°54	26°1	17°54	18°50	0°16	24°30	24°44	18°30	27°56	S 26
S 27	22 20 30	3°35'21	6♂50	14°47	17°39	5°26	27°4	26°3	17°58	18°50	0°16	24°21	24°41	18°37	27°56	S 27
M28	22 24 27	4°33'19	21°52	16°32	18°46	6°4	27°12	26°4	18°2	18°50	0°16	24°11	24°37	18°44	27°57	M28
T 29	22 28 23	5°31'18	7♂8	18°16	19°52	6°43	27°21	26°5	18°5	18°50	0°16	24°0	24°34	18°51	27°57	T 29
W30	22 32 20	6°29'18	22°26	19°59	20°58	7°22	27°30	26°6	18°9	18°50	0°R16	23°51	24°31	18°57	27°57	W30
T 31	22 36 16	7♂27'21	7♂35	21♂41	22♂4	8♂1	27♂38	26♂7	18♂13	18♂49	0♂16	23♂43	24♂28	19♂4	27♂58	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	18n 7	7s16	5n 2	21n41	0n22	5n31	0n55	5n 5	0n47	22n45	0s29	16n54	2s11	6n 1	0n44	T 1
W 2	17 52	2 1	4 49	21 32	0 34	5 1	0 52	4 50	0 46	22 46	0 29	16 54	2 11	6 0	0 44	W 2
T 3	17 37	3n19	4 17	21 21	0 44	4 31	0 49	4 35	0 46	22 47	0 29	16 55	2 11	5 59	0 44	T 3
F 4	17 21	8 21	3 28	21 6	0 54	4 1	0 45	4 19	0 45	22 47	0 29	16 56	2 11	5 58	0 44	F 4
S 5	17 5	12 49	2 28	20 49	1 2	3 31	0 42	4 4	0 44	22 48	0 29	16 56	2 12	5 56	0 44	S 5
S 6	16 49	16 27	1 20	20 29	1 11	3 0	0 39	3 49	0 44	22 48	0 29	16 57	2 12	5 55	0 44	S 6
M 7	16 32	19 6	0 10	20 7	1 18	2 30	0 35	3 33	0 43	22 49	0 29	16 58	2 12	5 54	0 44	M 7
T 8	16 15	20 39	1s 0	19 42	1 24	1 59	0 32	3 18	0 42	22 50	0 29	16 58	2 12	5 52	0 44	T 8
W 9	15 58	21 3	2 4	19 15	1 30	1 29	0 28	3 2	0 42	22 50	0 29	16 59	2 12	5 51	0 44	W 9
T 10	15 41	20 23	3 2	18 46	1 34	0 58	0 24	2 47	0 41	22 51	0 29	16 59	2 12	5 50	0 44	T 10
F 11	15 23	18 43	3 49	18 14	1 38	0 27	0 21	2 31	0 40	22 51	0 29	17 0	2 13	5 48	0 44	F 11
S 12	15 6	16 13	4 25	17 41	1 41	0s 3	0 17	2 15	0 40	22 52	0 29	17 0	2 13	5 47	0 44	S 12
S 13	14 47	13 2	4 49	17 6	1 43	0 34	0 13	2 0	0 39	22 52	0 29	17 1	2 13	5 46	0 44	S 13
M14	14 29	9 21	4 59	16 29	1 45	1 5	0 9	1 44	0 39	22 52	0 29	17 1	2 13	5 44	0 44	M14
T 15	14 11	5 20	4 56	15 51	1 46	1 36	0 5	1 28	0 38	22 53	0 29	17 2	2 13	5 43	0 44	T 15
W16	13 52	1 8	4 40	15 11	1 46	2 6	0 1	1 13	0 37	22 53	0 29	17 2	2 14	5 42	0 44	W16
T 17	13 33	3s 5	4 12	14 30	1 45	2 37	0s 1	0 57	0 37	22 54	0 29	17 2	2 14	5 40	0 44	T 17
F 18	13 14	7 11	3 33	13 48	1 44	3 8	0 7	0 41	0 36	22 54	0 29	17 3	2 14	5 39	0 44	F 18
S 19	12 54	11 1	2 45	13 5	1 42	3 38	0 12	0 25	0 35	22 54	0 29	17 3	2 14	5 37	0 44	S 19
S 20	12 34	14 28	1 48	12 22	1 40	4 9	0 16	0 10	0 35	22 55	0 29	17 3	2 14	5 36	0 44	S 20
M21	12 15	17 21	0 46	11 38	1 37	4 39	0 20	0s 6	0 34	22 55	0 29	17 4	2 15	5 35	0 44	M21
T 22	11 55	19 29	0n19	10 53	1 34	5 10	0 25	0 22	0 34	22 55	0 29	17 4	2 15	5 33	0 44	T 22
W23	11 34	20 42	1 26	10 8	1 30	5 40	0 29	0 38	0 33	22 56	0 29	17 4	2 15	5 32	0 44	W23
T 24	11 14	20 50	2 30	9 23	1 26	6 10	0 34	0 54	0 32	22 56	0 29	17 4	2 15	5 30	0 44	T 24
F 25	10 53	19 45	3 28	8 37	1 21	6 40	0 38	1 10	0 32	22 56	0 29	17 4	2 15	5 29	0 44	F 25
S 26	10 33	17 26	4 15	7 51	1 16	7 10	0 43	1 26	0 31	22 56	0 29	17 4	2 16	5 27	0 44	S 26
S 27	10 12	13 56	4 47	7 5	1 11	7 40	0 48	1 42	0 30	22 57	0 29	17 5	2 16	5 26	0 44	S 27
M28	9 51	9 29	5 1	6 19	1 5	8 10	0 52	1 57	0 30	22 57	0 29	17 5	2 16	5 24	0 44	M28
T 29	9 30	4 22	4 53	5 33	0 59	8 39	0 57	2 13	0 29	22 57	0 29	17 5	2 16	5 23	0 44	T 29
W30	9 8	1n 3	4 25	4 47	0 53	9 8	1 2	2 29	0 28	22 57	0 29	17 5	2 16	5 22	0 44	W30
T 31	8n47	6n21	3n38	4n 1	0n46	9s38	1s 7	2s45	0n28	22n57	0s28	17n 5	2s17	5n20	0n44	T 31

Julian Day Number = 2408658.5, Delta T = -4.09 sec

Ecliptic obliquity = 23°27'11", Nutation = 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°06'02", Lahiri = 22°13'02"

ASTRODIENST EPHEMERIS for the year 1882

geocentric

SEPTEMBER 1882

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 40 13	8 ^h 25'25"	22 ^h 27'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	23 ^h 21'	F 1
S 2	22 44 10	9°23'31"	6 ^h 54'	25° 0'	24°15'	9°19'	27°55'	26° 9'	18°20'	18°49'	0°16'	23°R37	24°18'	19°24'	27°58'	S 2
S 3	22 48 6	10°21'39"	20°54'	26°38'	25°20'	9°58'	28° 3'	26° 9'	18°24'	18°48'	0°16'	23°D33	24°18'	19°24'	27°58'	S 3
M 4	22 52 3	11°19'49"	4 ^h 12'	28°14'	26°25'	10°37'	28°11'	26°10'	18°28'	18°48'	0°16'	23°33'	24°15'	19°31'	27°58'	M 4
T 5	22 55 59	12°18'01"	17°38'	29°50'	27°30'	11°16'	28°19'	26°10'	18°32'	18°47'	0°16'	23°R33	24°12'	19°37'	27°58'	T 5
W 6	22 59 56	13°16'16"	0 ^h 25'	1 ^h 24'	28°35'	11°55'	28°27'	26°10'	18°35'	18°47'	0°16'	23°32'	24° 9'	19°44'	27°58'	W 6
T 7	23 3 52	14°14'32"	12°57'	2°57'	29°39'	12°34'	28°35'	26°11'	18°39'	18°47'	0°15'	23°29'	24° 6'	19°51'	27°57'	T 7
F 8	23 7 49	15°12'50"	25°15'	4°29'	0 ^h 44'	13°13'	28°42'	26°R11	18°43'	18°46'	0°15'	23°23'	24° 2'	19°58'	27°57'	F 8
S 9	23 11 45	16°11'10"	7 ^h 23'	6° 0'	1°48'	13°53'	28°49'	26°11'	18°47'	18°45'	0°15'	23°14'	23°59'	20° 4'	27°57'	S 9
S 10	23 15 42	17° 9'32"	19°24'	7°29'	2°52'	14°32'	28°57'	26°10'	18°51'	18°45'	0°15'	23° 3'	23°56'	20°11'	27°56'	S 10
M 11	23 19 39	18° 7'56"	1 ^h 20'	8°58'	3°56'	15°12'	29° 4'	26°10'	18°54'	18°44'	0°15'	22°51'	23°53'	20°18'	27°56'	M 11
T 12	23 23 35	19° 6'22"	13°13'	10°25'	4°59'	15°51'	29°11'	26°10'	18°58'	18°44'	0°14'	22°39'	23°50'	20°24'	27°55'	T 12
W 13	23 27 32	20° 4'50"	25° 4'	11°51'	6° 2'	16°31'	29°17'	26° 9'	19° 2'	18°43'	0°14'	22°27'	23°47'	20°31'	27°55'	W 13
T 14	23 31 28	21° 3'20"	6 ^h 55'	13°16'	7° 5'	17°10'	29°24'	26° 9'	19° 6'	18°42'	0°14'	22°17'	23°43'	20°38'	27°54'	T 14
F 15	23 35 25	22° 1'52"	18°47'	14°39'	8° 8'	17°50'	29°30'	26° 8'	19° 9'	18°41'	0°13'	22°10'	23°40'	20°45'	27°53'	F 15
S 16	23 39 21	23° 0'25"	0 ^h 43'	16° 1'	9°10'	18°30'	29°37'	26° 7'	19°13'	18°41'	0°13'	22° 5'	23°37'	20°51'	27°52'	S 16
S 17	23 43 18	23°59'00"	12°45'	17°22'	10°13'	19°10'	29°43'	26° 6'	19°17'	18°40'	0°13'	22° 3'	23°34'	20°58'	27°52'	S 17
M 18	23 47 14	24°57'37"	24°58'	18°42'	11°15'	19°49'	29°49'	26° 5'	19°21'	18°39'	0°12'	22°D 2	23°31'	21° 5'	27°51'	M 18
T 19	23 51 11	25°56'16"	7 ^h 24'	20° 0'	12°16'	20°29'	29°54'	26° 4'	19°25'	18°38'	0°12'	22° 3'	23°27'	21°11'	27°50'	T 19
W 20	23 55 8	26°54'56"	20° 9'	21°17'	13°18'	21° 9'	0 ^h 20'	26° 3'	19°28'	18°37'	0°12'	22° 4'	23°24'	21°18'	27°49'	W 20
T 21	23 59 4	27°53'38"	3 ^h 16'	22°32'	14°19'	21°49'	0° 6'	26° 1'	19°32'	18°36'	0°11'	22°R 4	23°21'	21°25'	27°48'	T 21
F 22	0 3 1	28°52'22"	16°50'	23°46'	15°19'	22°29'	0°11'	26° 0'	19°36'	18°35'	0°11'	22° 2'	23°18'	21°32'	27°46'	F 22
S 23	0 6 57	29°51'07"	0 ^h 51'	24°58'	16°20'	23° 9'	0°16'	25°58'	19°40'	18°35'	0°10'	21°59'	23°15'	21°38'	27°45'	S 23
S 24	0 10 54	0 ^h 49'54"	15°21'	26° 9'	17°20'	23°50'	0°21'	25°57'	19°43'	18°34'	0°10'	21°53'	23°12'	21°45'	27°44'	S 24
M 25	0 14 50	1°48'43"	0 ^h 14'	27°17'	18°19'	24°30'	0°26'	25°55'	19°47'	18°33'	0° 9'	21°46'	23° 8'	21°52'	27°42'	M 25
T 26	0 18 47	2°47'33"	15°24'	28°23'	19°19'	25°10'	0°30'	25°53'	19°51'	18°31'	0° 9'	21°39'	23° 5'	21°58'	27°41'	T 26
W 27	0 22 43	3°46'26"	0 ^h 42'	29°28'	20°18'	25°50'	0°35'	25°51'	19°54'	18°30'	0° 8'	21°32'	23° 2'	22° 5'	27°40'	W 27
T 28	0 26 40	4°45'20"	15°55'	0 ^h 30'	21°16'	26°31'	0°39'	25°49'	19°58'	18°29'	0° 8'	21°26'	22°59'	22°12'	27°38'	T 28
F 29	0 30 36	5°44'17"	0 ^h 55'	1°29'	22°14'	27°11'	0°43'	25°47'	20° 2'	18°28'	0° 7'	21°22'	22°56'	22°18'	27°36'	F 29
S 30	0 34 33	6 ^h 43'15"	15 ^h 32'	2 ^h 26'	23 ^h 12'	27 ^h 52'	0 ^h 47'	25 ^h 45'	20 ^h 5'	18 ^h 27'	0 ^h 11'	21°D21	22 ^h 53'	22 ^h 25'	27 ^h 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	8n25	11n10	2n37	3n15	0n40	10s 7	1s11	3 s 1	0n27	22n58	0s28	17n 5	2s17	5n19	0n44	15n42	1s47	7n13	13s16	18s41	18s53	0s 1	16n45	3s 3	3s 3	3s 3	3s 3
S 2	8 3	15 12	1 27	2 30	0 33	10 35	1 16	3 17	0 27	22 58	0 28	17 5	2 17	5 17	0 44	15 42	1 47	7 13	13 17	18 41	18 52	0 3	16 45	3 3	3 3	3 3	3 3
S 3	7 41	18 13	0 14	1 44	0 26	11 4	1 21	3 33	0 26	22 58	0 28	17 5	2 17	5 16	0 44	15 42	1 48	7 13	13 17	18 40	18 52	0 5	16 44	3 3	3 3	3 3	3 3
M 4	7 19	20 6	0s58	0 59	0 19	11 32	1 26	3 49	0 25	22 58	0 28	17 5	2 17	5 14	0 44	15 42	1 48	7 13	13 17	18 40	18 51	0 8	16 44	3 4	3 4	3 4	3 4
T 5	6 57	20 49	2 4	0 15	0 11	12 1	1 31	4 5	0 25	22 58	0 28	17 5	2 18	5 13	0 44	15 42	1 48	7 12	13 17	18 40	18 50	0 10	16 44	3 4	3 4	3 4	3 4
W 6	6 35	20 25	3 2	0s30	0 4	12 29	1 36	4 21	0 24	22 58	0 28	17 4	2 18	5 11	0 44	15 42	1 48	7 12	13 18	18 40	18 49	0 12	16 43	3 4	3 4	3 4	3 4
T 7	6 12	19 0	3 51	1 14	0s 4	12 56	1 41	4 37	0 23	22 58	0 28	17 4	2 18	5 10	0 44	15 41	1 48	7 12	13 18	18 39	18 48	0 15	16 43	3 5	3 5	3 5	3 5
F 8	5 50	16 43	4 27	1 57	0 11	13 24	1 46	4 52	0 23	22 59	0 28	17 4	2 18	5 8	0 44	15 41	1 48	7 12	13 18	18 38	18 48	0 17	16 43	3 5	3 5	3 5	3 5
S 9	5 27	13 44	4 51	2 41	0 19	13 51	1 51	5 8	0 22	22 59	0 28	17 4	2 18	5 7	0 44	15 41	1 48	7 11	13 18	18 36	18 47	0 19	16 42	3 5	3 5	3 5	3 5
S 10	5 4	10 14	5 2	3 23	0 27	14 18	1 56	5 24	0 22	22 59	0 28	17 4	2 19	5 5	0 44	15 41	1 48	7 11	13 19	18 33	18 46	0 21	16 42	3 5	3 5	3 5	3 5
M 11	4 42	6 20	4 59	4 5	0 35	14 44	2 1	5 40	0 21	22 59	0 28	17 3	2 19	5 4	0 44	15 41	1 48	7 11	13 19	18 30	18 45	0 24	16 42	3 6	3 6	3 6	3 6
T 12	4 19	2 14	4 43	4 47	0 43	15 11	2 7	5 56	0 20	22 59	0 28	17 3	2 19	5 2	0 44	15 40	1 48	7 10	13 19	18 27	18 44	0 26	16 41	3 6	3 6	3 6	3 6
W 13	3 56	1s57	4 16	5 28	0 51	15 37	2 12	6 11	0 20	22 59	0 28	17 3	2 19	5 1	0 44	15 40	1 48	7 10	13 19	18 24	18 44	0 28	16 41	3 6	3 6	3 6	3 6
T 14	3 33	6 4	3 37	6 9	0 59	16 2	2 17	6 27	0 19	22 59	0 28	17 2	2 19	4 59	0 44	15 40	1 48	7 10	13 20	18 21	18 43	0 30	16 40	3 7	3 7	3 7	3 7
F 15	3 10	9 57	2 48	6 48	1 7	16 28	2 22	6 43	0 18	22 59	0 28	17 2	2 20	4 58	0 44	15 40	1 48	7 10	13 20	18 19	18 42	0 33	16 40	3 7	3 7	3 7	3 7
S 16	2 47	13 28	1 52	7 28	1 15	16 53	2 27	6 59	0 18	22 59	0 28	17 2	2 20	4 56	0 44	15 39	1 48	7 9	13 20	18 18	18 41	0 35	16 39	3 7	3 7	3 7	3 7
S 17	2 23	16 28	0 50	8 6	1 23	17 18	2 32	7 14	0 17	22 59	0 28	17 1	2 20	4 55	0 44	15 39	1 48	7 9	13 20	18 17	18 40	0 37	16 39	3 7	3 7	3 7	3 7
M 18	2 0	18 46	0n16	8 44	1 31	17 42	2 37	7 30	0 17	22 59	0 28	17 1	2 20	4 53	0 44	15 39	1 48	7 9	13 20	18 17	18 40	0 39	16 38	3 8	3 8	3 8	3 8
T 19	1 37	20 13	1 22	9 21	1 39	18 6	2 42	7 46	0 16	22 59	0 28	17 1	2 20	4 52	0 44	15 39	1 48	7 8	13 21	18 17	18 39	0 42	16 38	3 8	3 8	3 8	3 8
W 20	1 14	20 41	2 25	9 57	1 46	18 30	2 47	8 1	0 15	22 59	0 28	17 0	2 20	4 50	0 44	15 38	1 48	7 8	13 21	18 18	18 38	0 44	16 37	3 8	3 8	3 8	3 8
T 21	0 50	20 2	3 23	10 32	1 54	18 53	2 52	8 17	0 15	22 59	0 28	17 0	2 21	4 49	0 44	15 38	1 48	7 8	13 21	18 18	18 37	0 46	16 37	3 9	3 9	3 9	3 9
F 22	0 27	18 14	4 11	11 7	2 2	19 16	2 57	8 32	0 14	22 59	0 28	16 59	2 21	4 48	0 44	15 38	1 49	7 8	13 21	18 17	18 37	0 48	16 36	3 9	3 9	3 9	3 9
S 23	0 4	15 19	4 47	11 40	2 9	19 38	3 2	8 48	0 14	22 59	0 28	16 59	2 21	4 46	0 44	15 37	1 49	7 7	13 22	18 16	18 36	0 51	16 36	3 9	3 9	3 9	3 9
S 24	0s20	11 23	5 5	12 13	2 16	20 0	3 7	9 3	0 13	22 59	0 28	16 58	2 21	4 45	0 44	15 37	1 49	7 7	13 22	18 15	18 35	0 53	16 35	3 9	3 9	3 9	3 9
M 25	0 43	6 39	5 4	12 44	2 23	20 22	3 12	9 18	0 12	22 59	0 28	16 57	2 21	4 43	0 44	15 37	1 49	7 7	13 22	18 13	18 34	0 55	16 35	3 10	3 10	3 10	3 10
T 26	1 7	1 26	4 41	13 15	2 30	20 43	3 17	9 34	0 12	22 59	0 28	16 57	2 22	4 42	0 44	15 36	1 49	7 6	13 22	18 11	18 33	0 57	16 34	3 10	3 10	3 10	3 10
W 27	1 30	3n56	3 59	13 44	2 37	21 4	3 22	9 49	0 11	22 59	0 28	16 56	2 22	4 40	0 44	15 36	1 49	7 6	13 22	18 9	18 33	1 0	16 34	3 10	3 10	3 10	3 10
T 28	1 53	9 1	2 59	14 12	2 43	21 24	3 26	10 4	0 10	22 59	0 28	16 56	2 22	4 39	0 44	15 36	1 49	7 6	13 23	18 8	18 32	1 2	16 33	3 11	3 11	3 11	3 11
F 29	2 17	13 29	1 48	14 39	2 49	21 44	3 31	10 19	0 10	22 59	0 28	16 55	2 22	4 37	0 44	15 35	1 49	7 5	13 23	18 7	18 31	1 4	16 32	3 11	3 11	3 11	3 11
S 30	2s40	17n 0	0n31	15s 4	2s55	22s 4	3s36	10s35	0n 9	22n59	0s28	16n54	2s22	4n36	0n44	15n35	1s49	7n 5	13s23	18s 6	18s30	1s 6	16n32	3s11	3s11	3s11	3s11

ASTRODIENST EPHEMERIS for the year 1882

geocentric

OCTOBER 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 30	7♂42'16	29♂43	3♂20	24♂9	28♂32	0♂51	25°R42	20♂9	18°R26	0°R 6	21♂21	22♂49	22♂32	27°R33	S 1
M 2	0 42 26	8°41'20	13♂25	4°11	25° 6	29°13	0°54	25♂40	20°13	18♂25	0♂5	21°22	22°46	22°39	27♂31	M 2
T 3	0 46 23	9°40'25	26°41	4°58	26° 2	29°53	0°58	25°37	20°16	18°23	0° 5	21°23	22°43	22°45	27°29	T 3
W 4	0 50 19	10°39'33	9♂32	5°42	26°58	0♂34	1° 1	25°35	20°20	18°22	0° 4	21°R24	22°40	22°52	27°28	W 4
T 5	0 54 16	11°38'44	22° 4	6°22	27°54	1°15	1° 4	25°32	20°24	18°21	0° 3	21°23	22°37	22°59	27°26	T 5
F 6	0 58 12	12°37'56	4♂20	6°57	28°49	1°56	1° 7	25°29	20°27	18°20	0° 2	21°21	22°33	23° 5	27°24	F 6
S 7	1 2 9	13°37'11	16°24	7°27	29°43	2°37	1° 9	25°26	20°31	18°18	0° 2	21°17	22°30	23°12	27°22	S 7
S 8	1 6 5	14°36'28	28°20	7°52	0♂37	3°18	1°12	25°23	20°34	18°17	0° 1	21°12	22°27	23°19	27°19	S 8
M 9	1 10 2	15°35'47	10♂12	8°12	1°30	3°59	1°14	25°20	20°38	18°16	0° 0	21° 5	22°24	23°25	27°17	M 9
T 10	1 13 59	16°35'09	22° 3	8°25	2°22	4°40	1°16	25°17	20°41	18°14	29♂59	20°58	22°21	23°32	27°15	T 10
W11	1 17 55	17°34'32	3♂55	8°R31	3°14	5°21	1°18	25°14	20°45	18°13	29°59	20°52	22°18	23°39	27°13	W11
T 12	1 21 52	18°33'58	15°49	8°30	4° 6	6° 2	1°19	25°11	20°48	18°12	29°58	20°47	22°14	23°46	27°10	T 12
F 13	1 25 48	19°33'26	27°48	8°22	4°56	6°43	1°21	25° 7	20°52	18°10	29°57	20°43	22°11	23°52	27° 8	F 13
S 14	1 29 45	20°32'56	9♂52	8° 5	5°46	7°25	1°22	25° 4	20°55	18° 9	29°56	20°41	22° 8	23°59	27° 6	S 14
S 15	1 33 41	21°32'28	22° 5	7°40	6°36	8° 6	1°23	25° 0	20°59	18° 7	29°55	20°D41	22° 5	24° 6	27° 3	S 15
M16	1 37 38	22°32'01	4♂28	7° 6	7°24	8°47	1°24	24°56	21° 2	18° 6	29°55	20°41	22° 2	24°12	27° 1	M16
T 17	1 41 34	23°31'37	17° 4	6°24	8°12	9°29	1°25	24°53	21° 5	18° 4	29°54	20°43	21°59	24°19	26°58	T 17
W18	1 45 31	24°31'14	29°55	5°33	8°59	10°10	1°25	24°49	21° 9	18° 3	29°53	20°44	21°55	24°26	26°56	W18
T 19	1 49 28	25°30'54	13♂ 4	4°35	9°45	10°52	1°25	24°45	21°12	18° 1	29°52	20°46	21°52	24°32	26°53	T 19
F 20	1 53 24	26°30'35	26°33	3°30	10°30	11°33	1°R25	24°41	21°15	18° 0	29°51	20°R46	21°49	24°39	26°50	F 20
S 21	1 57 21	27°30'17	10♂25	2°20	11°14	12°15	1°25	24°37	21°19	17°58	29°50	20°46	21°46	24°46	26°48	S 21
S 22	2 1 17	28°30'01	24°39	1° 6	11°57	12°57	1°25	24°33	21°22	17°57	29°49	20°44	21°43	24°53	26°45	S 22
M23	2 5 14	29°29'47	9♂13	29♂50	12°39	13°39	1°24	24°29	21°25	17°55	29°48	20°42	21°39	24°59	26°42	M23
T 24	2 9 10	0♂29'35	24° 3	28°35	13°20	14°20	1°24	24°25	21°28	17°53	29°47	20°39	21°36	25° 6	26°39	T 24
W25	2 13 7	1°29'24	9♂ 3	27°23	14° 0	15° 2	1°23	24°20	21°31	17°52	29°46	20°36	21°33	25°13	26°37	W25
T 26	2 17 3	2°29'15	24° 3	26°15	14°39	15°44	1°22	24°16	21°34	17°50	29°45	20°34	21°30	25°19	26°34	T 26
F 27	2 21 0	3°29'08	8♂55	25°15	15°16	16°26	1°20	24°12	21°37	17°49	29°44	20°33	21°27	25°26	26°31	F 27
S 28	2 24 57	4°29'03	23°31	24°24	15°53	17° 8	1°19	24° 7	21°40	17°47	29°43	20°D33	21°24	25°33	26°28	S 28
S 29	2 28 53	5°29'00	7♂45	23°42	16°28	17°51	1°17	24° 3	21°43	17°45	29°42	20°34	21°20	25°39	26°25	S 29
M30	2 32 50	6°28'59	21°34	23°12	17° 1	18°33	1°15	23°58	21°46	17°44	29°41	20°35	21°17	25°46	26°22	M30
T 31	2 36 46	7♂29'01	4♂57	22♂54	17♂34	19♂15	1♂13	23♂54	21♂49	17♂42	29♂40	20♂36	21♂14	25♂53	26♂19	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
S 1	3s 4	19n22	0s45	15s28	3s 1	22s23	3s40	10s50	0n 9	22n59	0s28	16n53	2s22	4n34	0n44	15n35	1s49	7n 5	13s23	18s 6	18s29	1s 9	16n31	3s11			
M 2	3 27	20 29	1 57	15 50	3 6	22 41	3 45	11 5	0 8	22 59	0 28	16 53	2 23	4 33	0 44	15 34	1 49	7 4	13 23	18 7	18 28	1 11	16 30	3 12			
T 3	3 50	20 25	3 0	16 10	3 10	22 59	3 49	11 20	0 7	22 59	0 28	16 52	2 23	4 32	0 44	15 34	1 49	7 4	13 24	18 7	18 28	1 13	16 30	3 12			
W 4	4 13	19 15	3 52	16 29	3 15	23 17	3 54	11 34	0 7	22 59	0 28	16 51	2 23	4 30	0 44	15 34	1 49	7 4	13 24	18 7	18 27	1 15	16 29	3 12			
T 5	4 36	17 11	4 31	16 46	3 18	23 34	3 58	11 49	0 6	22 59	0 28	16 50	2 23	4 29	0 44	15 33	1 49	7 4	13 24	18 7	18 26	1 18	16 28	3 12			
F 6	5 0	14 23	4 57	17 0	3 21	23 51	4 2	12 4	0 6	22 59	0 28	16 50	2 23	4 27	0 44	15 33	1 49	7 3	13 24	18 7	18 25	1 20	16 28	3 13			
S 7	5 23	11 0	5 9	17 12	3 23	24 7	4 6	12 19	0 5	22 59	0 27	16 49	2 23	4 26	0 44	15 32	1 49	7 3	13 24	18 5	18 24	1 22	16 27	3 13			
S 8	5 46	7 14	5 8	17 22	3 24	24 22	4 11	12 33	0 4	22 59	0 27	16 48	2 23	4 25	0 44	15 32	1 49	7 3	13 24	18 4	18 24	1 24	16 26	3 13			
M 9	6 9	3 13	4 54	17 29	3 25	24 37	4 15	12 48	0 4	22 59	0 27	16 47	2 23	4 23	0 44	15 32	1 49	7 2	13 25	18 2	18 23	1 26	16 25	3 13			
T 10	6 31	0s56	4 27	17 32	3 24	24 52	4 18	13 2	0 3	22 59	0 27	16 46	2 24	4 22	0 44	15 31	1 49	7 2	13 25	18 1	18 22	1 29	16 25	3 14			
W11	6 54	5 2	3 48	17 33	3 23	25 6	4 22	13 16	0 2	22 59	0 27	16 45	2 24	4 21	0 44	15 31	1 49	7 2	13 25	17 59	18 21	1 31	16 24	3 14			
T 12	7 17	8 59	2 59	17 30	3 20	25 20	4 26	13 31	0 2	22 59	0 27	16 44	2 24	4 19	0 44	15 30	1 49	7 1	13 25	17 58	18 20	1 33	16 23	3 14			
F 13	7 39	12 36	2 2	17 23	3 16	25 33	4 29	13 45	0 1	22 59	0 27	16 44	2 24	4 18	0 44	15 30	1 49	7 1	13 25	17 57	18 20	1 35	16 22	3 14			
S 14	8 2	15 43	0 59	17 12	3 10	25 45	4 33	13 59	0 1	23 0	0 27	16 43	2 24	4 17	0 44	15 30	1 49	7 1	13 25	17 56	18 19	1 38	16 22	3 15			
S 15	8 24	18 11	0n 8	16 57	3 3	25 57	4 36	14 13	0s 0	23 0	0 27	16 42	2 24	4 15	0 44	15 29	1 49	7 0	13 26	17 56	18 18	1 40	16 21	3 15			
M16	8 46	19 38	1 15	16 38	2 54	26 9	4 39	14 27	0 1	23 0	0 27	16 41	2 24	4 14	0 44	15 29	1 49	7 0	13 26	17 56	18 17	1 42	16 20	3 15			
T 17	9 8	20 30	2 20	16 14	2 43	26 20	4 42	14 41	0 1	23 0	0 27	16 40	2 24	4 13	0 44	15 28	1 49	7 0	13 26	17 56	18 16	1 44	16 19	3 15			
W18	9 30	20 8	3 19	15 45	2 31	26 30	4 45	14 54	0 2	23 0	0 27	16 39	2 24	4 11	0 44	15 28	1 49	6 59	13 26	17 57	18 15	1 46	16 19	3 16			
T 19	9 52	18 40	4 10	15 12	2 16	26 40	4 48	15 8	0 2	23 0	0 27	16 38	2 25	4 10	0 44	15 27	1 49	6 59	13 26	17 57	18 15	1 49	16 18	3 16			
F 20	10 14	16 9	4 47	14 34	2 0	26 49	4 50	15 21	0 3	23 0	0 27	16 37	2 25	4 9	0 44	15 27	1 49	6 59	13 26	17 57	18 14	1 51	16 17	3 16			
S 21	10 35	12 40	5 10	13 54	1 43	26 58	4 53	15 35	0 4	23 0	0 27	16 36	2 25	4 7	0 44	15 26	1 50	6 59	13 26	17 57	18 13	1 53	16 16	3 16			
S 22	10 57	8 22	5 14	13 10	1 24	27 6	4 55	15 48	0 4	23 0	0 27	16 35	2 25	4 6	0 44	15 26	1 50	6 58	13 26	17 57	18 12	1 55	16 15	3 16			
M23	11 18	3 30	4 59	12 25	1 4	27 14	4 57	16 1	0 5	23 0	0 27	16 33	2 25	4 5	0 44	15 26	1 50	6 58	13 27	17 56	18 11	1 57	16 14	3 17			
T 24	11 39	1n40	4 23	11 39	0 43	27 21	4 59	16 14	0 6	23 0	0 27	16 32	2 25	4 4	0 44	15 25	1 50	6 58	13 27	17 55	18 11	2 0	16 14	3 17			
W25	12 0	6 48	3 30	10 54	0 23	27 28	5 0	16 27	0 6	23 0	0 27	16 31	2 25	4 3	0 44	15 25	1 50	6 57	13 27	17 55	18 10	2 2	16 13	3 17			
T 26	12 21	11 31	2 21	10 10	0 2	27 34	5 2	16 40	0 7	23 0	0 27	16 30	2 25	4 1	0 44	15 24	1 50	6 57	13 27	17 54	18 9	2 4	16 12	3 17			
F 27	12 41	15 29	1 4	9 30	0n18	27 39	5 3	16 53	0 7	23 0	0 27	16 29	2 25	4 0	0 44	15 24	1 50	6 57	13 27	17 54	18 8	2 6	16 11	3 17			
S 28	13 1	18 24	0s16	8 54	0 37	27 44	5 4	17 5	0 8	23 0	0 27	16 28	2 25	3 59	0 44	15 23	1 50	6 57	13 27	17 54	18 7	2 8	16 10	3 18			
S 29	13 21	20 4	1 34	8 22	0 54	27 49	5 5	17 18	0 9	23 0	0 27	16 27	2 25	3 58	0 44	15 23	1 50	6 56	13 27	17 54	18 6	2 11	16 9	3 18			
M30	13 41	20 28	2 43	7 56	1 10	27 53	5 5	17 30	0 9	23 0	0 27	16 26	2 25	3 57	0 44	15 22	1 50	6 56	13 27	17 54	18 6	2 13	16 8	3 18			
T 31	14s 1	19n40	3s42	7s36	1n24	27s56	5s 5	17s42	0s10	23n 0	0s26	16n25	2s25	3n56	0n44	15n22	1s50	6n56	13s27	17s55	18s 5	2s15	16n 8	3s18			

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geocentric

NOVEMBER 1882

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 40 43	8 ^m 29'04	17 ^h 56	22°D46	18 ^h 4 4	19 ^m 57	1°R10	23°R49	21 ^m 52	17°R40	29°R39	20 ^m 37	21 ^m 11	26 ^m 0	26°R16	W 1
T 2	2 44 39	9°29'10	0 ^h 23	22 ^h 51	18°34	20°40	1 ^h 8	23 ^h 45	21°55	17 ^h 39	29 ^h 38	20°37	21°8	26°6	26 ^h 13	T 2
F 3	2 48 36	10°29'17	12°50	23°6	19°1	21°22	1°5	23°40	21°58	17°37	29°37	20°R38	21°4	26°13	26°10	F 3
S 4	2 52 32	11°29'27	24°55	23°31	19°27	22°4	1°2	23°35	22°1	17°35	29°36	20°37	21°1	26°20	26°6	S 4
S 5	2 56 29	12°29'38	6 ^m 50	24°5	19°52	22°47	0°59	23°30	22°3	17°34	29°35	20°37	20°58	26°26	26°3	S 5
M 6	3 0 26	13°29'52	18°41	24°48	20°14	23°30	0°56	23°26	22°6	17°32	29°34	20°36	20°55	26°33	26°0	M 6
T 7	3 4 22	14°30'08	0 ^h 23	25°38	20°35	24°12	0°52	23°21	22°9	17°30	29°33	20°35	20°52	26°40	25°57	T 7
W 8	3 8 19	15°30'25	12°25	26°35	20°54	24°55	0°49	23°16	22°11	17°29	29°32	20°34	20°49	26°46	25°54	W 8
T 9	3 12 15	16°30'45	24°25	27°38	21°11	25°38	0°45	23°11	22°14	17°27	29°31	20°33	20°45	26°53	25°50	T 9
F 10	3 16 12	17°31'06	6 ^m 33	28°46	21°26	26°20	0°41	23°6	22°17	17°25	29°30	20°33	20°42	27°0	25°47	F 10
S 11	3 20 8	18°31'29	18°50	29°58	21°39	27°3	0°36	23°2	22°19	17°23	29°28	20°D33	20°39	27°7	25°44	S 11
S 12	3 24 5	19°31'54	1 ^h 20	1 ^m 14	21°50	27°46	0°32	22°57	22°22	17°22	29°27	20°33	20°36	27°13	25°41	S 12
M13	3 28 1	20°32'21	14°1	2°34	21°58	28°29	0°27	22°52	22°24	17°20	29°26	20°R33	20°33	27°20	25°37	M13
T 14	3 31 58	21°32'49	26°56	3°55	22°5	29°12	0°22	22°47	22°26	17°18	29°25	20°33	20°30	27°27	25°34	T 14
W15	3 35 55	22°33'18	10 ^h 3	4 5°20	22°9	29°55	0°17	22°42	22°29	17°17	29°24	20°33	20°26	27°33	25°31	W15
T 16	3 39 51	23°33'49	23°26	6°46	22°R10	0 ^h 38	0°12	22°37	22°31	17°15	29°23	20°32	20°23	27°40	25°28	T 16
F 17	3 43 48	24°34'21	7 ^h 2	8°13	22°10	1°22	0°7	22°32	22°33	17°13	29°22	20°32	20°20	27°47	25°24	F 17
S 18	3 47 44	25°34'54	20°53	9°42	22°7	2°5	0°2	22°27	22°35	17°12	29°21	20°D32	20°17	27°53	25°21	S 18
S 19	3 51 41	26°35'29	4 ^h 56	11°12	22°1	2°48	29°II56	22°23	22°38	17°10	29°20	20°32	20°14	28°0	25°18	S 19
M20	3 55 37	27°36'04	19°12	12°43	21°53	3°31	29°50	22°18	22°40	17°8	29°18	20°32	20°10	28°7	25°14	M20
T 21	3 59 34	28°36'41	3 ^h 38	14°14	21°42	4°15	29°44	22°13	22°42	17°7	29°17	20°33	20°7	28°13	25°11	T 21
W22	4 3 30	29°37'19	18°10	15°46	21°29	4°58	29°38	22°8	22°44	17°5	29°16	20°34	20°4	28°20	25°8	W22
T 23	4 7 27	0 ^h 37'58	2 ^h 43	17°19	21°14	5°42	29°32	22°3	22°46	17°3	29°15	20°35	20°1	28°27	25°5	T 23
F 24	4 11 24	1°38'39	17°13	18°52	20°56	6°25	29°26	21°58	22°48	17°2	29°14	20°R35	19°58	28°34	25°1	F 24
S 25	4 15 20	2°39'20	1 ^h 32	20°25	20°35	7°9	29°19	21°54	22°50	17°0	29°13	20°35	19°55	28°40	24°58	S 25
S 26	4 19 17	3°40'03	15°36	21°58	20°13	7°53	29°12	21°49	22°51	16°59	29°12	20°34	19°51	28°47	24°55	S 26
M27	4 23 13	4°40'48	29°21	23°32	19°48	8°36	29°6	21°44	22°53	16°57	29°11	20°32	19°48	28°54	24°52	M27
T 28	4 27 10	5°41'34	12 ^h 54	25°6	19°21	9°20	28°59	21°40	22°55	16°55	29°9	20°30	19°45	29°0	24°48	T 28
W29	4 31 6	6°42'21	25°46	26°39	18°53	10°4	28°52	21°35	22°57	16°54	29°8	20°28	19°42	29°7	24°45	W29
T 30	4 35 3	7 ^h 43'09	8 ^h 27	28 ^m 13	18 ^h 23	10 ^h 48	28°II45	21 ^h 30	22 ^m 58	16 ^h 52	29 ^h 8	20 ^m 26	19 ^m 39	29 ^m 14	24 ^h 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	14s20	17n50	4s27	7s22	1n36	27s59	5s5	17s54	0s10	23n0	0s26	16n23	2s25	3n54	0n44	15n21	1s50	6n55	13s27	17s55	18s4	2s17	16n7	3s18			
T 2	14 40	15 12	4 58	7 14	1 47	28 1	5 5	18 6	0 11	23 1	0 26	16 22	2 25	3 53	0 44	15 21	1 50	6 55	13 28	17 55	18 3	2 19	16 6	3 19			
F 3	14 59	11 57	5 14	7 11	1 56	28 3	5 4	18 18	0 12	23 1	0 26	16 21	2 25	3 52	0 45	15 20	1 50	6 55	13 28	17 55	18 2	2 22	16 5	3 19			
S 4	15 17	8 15	5 16	7 14	2 3	28 4	5 3	18 30	0 12	23 1	0 26	16 20	2 25	3 51	0 45	15 20	1 50	6 55	13 28	17 55	18 1	2 24	16 4	3 19			
S 5	15 36	4 17	5 4	7 22	2 8	28 4	5 1	18 41	0 13	23 1	0 26	16 19	2 25	3 50	0 45	15 20	1 50	6 54	13 28	17 55	18 1	2 26	16 3	3 19			
M 6	15 54	0 11	4 40	7 34	2 12	28 4	4 59	18 52	0 13	23 1	0 26	16 18	2 25	3 49	0 45	15 19	1 50	6 54	13 28	17 55	18 0	2 28	16 2	3 19			
T 7	16 12	3s56	4 3	7 49	2 15	28 4	4 57	19 3	0 14	23 1	0 26	16 16	2 25	3 48	0 45	15 19	1 50	6 54	13 28	17 54	17 59	2 30	16 1	3 19			
W 8	16 30	7 55	3 16	8 9	2 16	28 2	4 55	19 14	0 15	23 1	0 26	16 15	2 25	3 47	0 45	15 18	1 50	6 54	13 28	17 54	17 58	2 33	16 1	3 19			
T 9	16 47	11 38	2 20	8 31	2 16	28 1	4 52	19 25	0 15	23 1	0 26	16 14	2 25	3 46	0 45	15 18	1 50	6 53	13 28	17 54	17 57	2 35	16 0	3 20			
F 10	17 4	14 55	1 17	8 56	2 16	27 58	4 48	19 36	0 16	23 1	0 26	16 13	2 25	3 45	0 45	15 17	1 50	6 53	13 28	17 54	17 56	2 37	15 59	3 20			
S 11	17 21	17 35	0 9	9 23	2 14	27 55	4 44	19 47	0 16	23 1	0 26	16 12	2 25	3 44	0 45	15 17	1 50	6 53	13 28	17 54	17 55	2 39	15 58	3 20			
S 12	17 37	19 28	1n0	9 51	2 12	27 52	4 40	19 57	0 17	23 1	0 26	16 11	2 25	3 43	0 45	15 16	1 50	6 53	13 28	17 54	17 55	2 41	15 57	3 20			
M13	17 54	20 24	2 7	10 21	2 8	27 47	4 35	20 7	0 18	23 1	0 26	16 9	2 25	3 42	0 45	15 16	1 50	6 52	13 28	17 54	17 54	2 43	15 56	3 20			
T 14	18 10	20 16	3 9	10 53	2 5	27 43	4 30	20 17	0 18	23 1	0 26	16 8	2 25	3 41	0 45	15 15	1 50	6 52	13 28	17 54	17 53	2 46	15 55	3 20			
W15	18 25	19 3	4 2	11 25	2 0	27 37	4 24	20 27	0 19	23 2	0 25	16 7	2 25	3 40	0 45	15 15	1 50	6 52	13 28	17 54	17 52	2 48	15 54	3 20			
T 16	18 40	16 46	4 43	11 58	1 55	27 31	4 18	20 37	0 19	23 2	0 25	16 6	2 25	3 40	0 45	15 14	1 50	6 52	13 28	17 54	17 51	2 50	15 53	3 20			
F 17	18 55	13 32	5 9	12 31	1 50	27 24	4 11	20 46	0 20	23 2	0 25	16 5	2 25	3 39	0 45	15 14	1 50	6 51	13 28	17 54	17 50	2 52	15 53	3 21			
S 18	19 10	9 32	5 17	13 4	1 45	27 17	4 4	20 55	0 20	23 2	0 25	16 4	2 25	3 38	0 45	15 13	1 50	6 51	13 28	17 54	17 50	2 54	15 52	3 21			
S 19	19 24	4 56	5 7	13 38	1 39	27 8	3 56	21 5	0 21	23 2	0 25	16 2	2 25	3 37	0 45	15 13	1 50	6 51	13 28	17 54	17 49	2 56	15 51	3 21			
M20	19 38	0 0	4 39	14 11	1 33	26 59	3 47	21 13	0 22	23 2	0 25	16 1	2 25	3 36	0 45	15 13	1 50	6 51	13 28	17 54	17 48	2 59	15 50	3 21			
T 21	19 52	5n0	3 52	14 45	1 26	26 50	3 38	21 22	0 22	23 2	0 25	16 0	2 25	3 35	0 45	15 12	1 50	6 51	13 28	17 54	17 47	3 1	15 49	3 21			
W22	20 5	9 45	2 50	15 18	1 20	26 39	3 29	21 31	0 23	23 2	0 25	15 59	2 25	3 35	0 45	15 12	1 50	6 50	13 28	17 54	17 46	3 3	15 48	3 21			
T 23	20 18	13 57	1 37	15 51	1 13	26 28	3 19	21 39	0 23	23 2	0 25	15 58	2 24	3 34	0 45	15 11	1 50	6 50	13 28	17 54	17 45	3 5	15 47	3 21			
F 24	20 30	17 17	0 19	16 23	1 6	26 16	3 8	21 47	0 24	23 2	0 25	15 57	2 24	3 33	0 45	15 11	1 50	6 50	13 28	17 54	17 44	3 7	15 47	3 21			
S 25	20 42	19 30	1s0	16 55	0 59	26 3	2 56	21 55	0 25	23 2	0 25	15 56	2 24	3 32	0 45	15 10	1 50	6 50	13 28	17 54	17 44	3 9	15 46	3 21			
S 26	20 54	20 27	2 14	17 26	0 52	25 50	2 45	22 3	0 25	23 3	0 25	15 55	2 24	3 32	0 45	15 10	1 50	6 50	13 28	17 54	17 43	3 11	15 45	3 21			
M27	21 5	20 9	3 19	17 56	0 45	25 35	2 32	22 10	0 26	23 3	0 24	15 53	2 24	3 31	0 45	15 9	1 50	6 49	13 28	17 54	17 42	3 14	15 44	3 21			
T 28	21 16	18 41	4 10	18 26	0 38	25 20	2 19	22 18	0 26	23 3	0 24	15 52	2 24	3 30	0 45	15 9	1 49	6 49	13 28	17 53	17 41	3 16	15 43	3 21			
W29	21 26	16 18	4 47	18 55	0 31	25 4	2 6	22 25	0 27	23 3	0 24	15 51	2 24	3 30	0 45	15 9	1 49	6 49	13 28	17 53	17 40	3 18	15 42	3 22			
T 30	21s37	13n11	5s9	19s23	0n24	24s48	1s52	22s32	0s27	23n3	0s24	15n50	2s24	3n29	0n45	15n8	1s49	6n49	13s27	17s52	17s39	3s20	15n42	3s22			

Julian Day Number = 2408750.5, Delta T = -4.16 sec

Ecliptic obliquity = 23°27'11, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°06'15, Lahiri = 22°13'15

ASTRODIENST EPHEMERIS for the year 1882
geocentric

DECEMBER 1882

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 38 59	8♂43'59	20♂48	29♂47	17♂R51	11♂32	28♂R37	21♂R26	23♂ 0	16♂R51	29♂R 6	20♂R24	19♂L36	29♂20	24♂R39	F 1
S 2	4 42 56	9♂44'50	2♂55	1♂21	17♂18	12°16	28♂II30	21♂21	23° 1	16♂49	29♂ 5	20♂L23	19°32	29°27	24♂36	S 2
S 3	4 46 53	10♂45'43	14°52	2°55	16°43	13° 0	28°23	21°17	23° 3	16°48	29° 4	20°D23	19°29	29°34	24°32	S 3
M 4	4 50 49	11♂46'37	26°43	4°28	16° 8	13°44	28°15	21°12	23° 4	16°46	29° 3	20°23	19°26	29°40	24°29	M 4
T 5	4 54 46	12♂47'32	8♂34	6° 2	15°32	14°28	28° 8	21° 8	23° 6	16°45	29° 2	20°25	19°23	29°47	24°26	T 5
W 6	4 58 42	13♂48'29	20°29	7°36	14°56	15°12	28° 0	21° 4	23° 7	16°43	29° 1	20°27	19°20	29°54	24°23	W 6
T 7	5 2 39	14♂49'27	2♂L32	9°10	14°20	15°56	27°52	20°59	23° 8	16°42	28°59	20°28	19°16	0♂ 1	24°20	T 7
F 8	5 6 35	15♂50'25	14°47	10°44	13°43	16°41	27°44	20°55	23° 9	16°40	28°58	20°R29	19°13	0° 7	24°17	F 8
S 9	5 10 32	16♂51'25	27°17	12°18	13° 7	17°25	27°36	20°51	23°10	16°39	28°57	20°29	19°10	0°14	24°14	S 9
S 10	5 14 28	17♂52'27	10♂ 4	13°52	12°32	18° 9	27°29	20°47	23°12	16°37	28°56	20°28	19° 7	0°21	24°11	S 10
M 11	5 18 25	18♂53'28	23° 7	15°26	11°57	18°54	27°21	20°43	23°13	16°36	28°55	20°25	19° 4	0°27	24° 8	M 11
T 12	5 22 22	19♂54'31	6♂27	17° 0	11°24	19°38	27°13	20°39	23°14	16°35	28°54	20°21	19° 1	0°34	24° 5	T 12
W 13	5 26 18	20♂55'35	20° 2	18°34	10°52	20°23	27° 4	20°35	23°14	16°33	28°53	20°16	18°57	0°41	24° 2	W 13
T 14	5 30 15	21♂56'39	3♂48	20° 9	10°21	21° 7	26°56	20°31	23°15	16°32	28°52	20°11	18°54	0°47	24° 0	T 14
F 15	5 34 11	22♂57'43	17°44	21°43	9°52	21°52	26°48	20°28	23°16	16°31	28°51	20° 6	18°51	0°54	23°57	F 15
S 16	5 38 8	23♂58'48	1♂47	23°18	9°24	22°37	26°40	20°24	23°17	16°29	28°50	20° 3	18°48	1° 1	23°54	S 16
S 17	5 42 4	24♂59'53	15°53	24°52	8°59	23°22	26°32	20°20	23°18	16°28	28°49	20° 1	18°45	1° 7	23°51	S 17
M 18	5 46 1	26° 0'58	0♂ 2	26°27	8°36	24° 6	26°24	20°17	23°18	16°27	28°48	20°D 1	18°42	1°14	23°49	M 18
T 19	5 49 57	27° 2'04	14°11	28° 2	8°15	24°51	26°16	20°13	23°19	16°26	28°47	20° 2	18°38	1°21	23°46	T 19
W 20	5 53 54	28° 3'09	28°18	29°37	7°56	25°36	26° 7	20°10	23°19	16°25	28°46	20° 3	18°35	1°28	23°44	W 20
T 21	5 57 51	29° 4'16	12♂23	1♂13	7°39	26°21	25°59	20° 7	23°20	16°23	28°45	20° 4	18°32	1°34	23°41	T 21
F 22	6 1 47	0♂ 5'22	26°23	2°48	7°25	27° 6	25°51	20° 4	23°20	16°22	28°44	20°R 4	18°29	1°41	23°39	F 22
S 23	6 5 44	1° 6'28	10♂II15	4°24	7°14	27°51	25°43	20° 1	23°21	16°21	28°43	20° 3	18°26	1°48	23°36	S 23
S 24	6 9 40	2° 7'35	23°57	6° 0	7° 5	28°36	25°35	19°58	23°21	16°20	28°42	19°59	18°22	1°54	23°34	S 24
M 25	6 13 37	3° 8'42	7♂26	7°36	6°58	29°21	25°27	19°55	23°21	16°19	28°41	19°53	18°19	2° 1	23°31	M 25
T 26	6 17 33	4° 9'50	20°39	9°13	6°54	0♂ 6	25°19	19°52	23°21	16°18	28°40	19°45	18°16	2° 8	23°29	T 26
W 27	6 21 30	5°10'58	3♂L34	10°50	6°D53	0°51	25°11	19°49	23°21	16°17	28°40	19°37	18°13	2°14	23°27	W 27
T 28	6 25 26	6°12'06	16°13	12°27	6°54	1°37	25° 3	19°47	23°22	16°16	28°39	19°28	18°10	2°21	23°25	T 28
F 29	6 29 23	7°13'14	28°34	14° 4	6°57	2°22	24°55	19°44	23°R22	16°15	28°38	19°20	18° 7	2°28	23°22	F 29
S 30	6 33 20	8°14'23	10♂42	15°41	7° 3	3° 7	24°48	19°42	23°22	16°14	28°37	19°15	18° 3	2°34	23°20	S 30
S 31	6 37 16	9♂15'32	22♂39	17♂19	7♂11	3♂53	24♂II40	19♂39	23♂21	16♂13	28♂36	19♂L11	18♂ 0	2♂41	23♂18	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21s46	9n34	5s16	19s50	0n17	24s31	1s37	22s38	0s28	23n 3	0s24	15n49	2s23	3n29	0n45	15n 8	1s49	6n49	13s27	17s51	17s38	3s22	15n41	3s22			
S 2	21 55	5 38	5 8	20 16	0 10	24 13	1 23	22 45	0 29	23 3	0 24	15 48	2 23	3 28	0 46	15 7	1 49	6 49	13 27	17 51	17 38	3 24	15 40	3 22			
S 3	22 4	1 32	4 48	20 42	0 3	23 55	1 8	22 51	0 29	23 3	0 24	15 47	2 23	3 28	0 46	15 7	1 49	6 49	13 27	17 51	17 37	3 27	15 39	3 22			
M 4	22 13	2s35	4 15	21 6	0s 4	23 36	0 53	22 57	0 30	23 3	0 24	15 46	2 23	3 27	0 46	15 7	1 49	6 48	13 27	17 51	17 36	3 29	15 38	3 22			
T 5	22 21	6 38	3 31	21 30	0 10	23 17	0 37	23 3	0 30	23 3	0 24	15 45	2 23	3 27	0 46	15 6	1 49	6 48	13 27	17 52	17 35	3 31	15 38	3 22			
W 6	22 28	10 26	2 38	21 52	0 17	22 58	0 22	23 8	0 31	23 3	0 23	15 44	2 23	3 26	0 46	15 6	1 49	6 48	13 27	17 52	17 34	3 33	15 37	3 22			
T 7	22 35	13 53	1 37	22 14	0 24	22 38	0 6	23 14	0 31	23 3	0 23	15 43	2 23	3 26	0 46	15 5	1 49	6 48	13 27	17 53	17 33	3 35	15 36	3 22			
F 8	22 42	16 47	0 31	22 34	0 30	22 18	0n10	23 19	0 32	23 3	0 23	15 42	2 22	3 25	0 46	15 5	1 49	6 48	13 27	17 53	17 32	3 37	15 35	3 22			
S 9	22 48	18 58	0n37	22 53	0 37	21 58	0 25	23 24	0 32	23 3	0 23	15 41	2 22	3 25	0 46	15 5	1 49	6 48	13 27	17 53	17 32	3 39	15 35	3 22			
S 10	22 54	20 14	1 45	23 11	0 43	21 38	0 41	23 28	0 33	23 3	0 23	15 41	2 22	3 24	0 46	15 4	1 49	6 48	13 26	17 53	17 31	3 41	15 34	3 22			
M 11	22 59	20 27	2 49	23 28	0 49	21 19	0 56	23 33	0 34	23 3	0 23	15 40	2 22	3 24	0 46	15 4	1 49	6 48	13 26	17 52	17 30	3 44	15 33	3 22			
T 12	23 4	19 32	3 46	23 44	0 55	20 59	1 11	23 37	0 34	23 3	0 23	15 39	2 22	3 24	0 46	15 4	1 49	6 48	13 26	17 51	17 29	3 46	15 33	3 22			
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S 31	23s 8	1s 1	4s17	24s27	2s 8	17s 9	4n26	24s 8	0s44	23n 1	0s20	15n27	2s17	3n21	0n47	14n58	1s48	6n47	13s23	17s32	17s12	4s26	15n22	3s21			