



Astrodienst Ephemeris Tables for the year 2182

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 2182
geocentric

JANUARY 2182

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 43 31	10°34'20.9	15°13.38	21°17.17	28°14.41	29°17.46	23°17.13	2°R34	10°Y59	12°K25	27°R29	25°R51	24°A59	18°S47	21°R54	T 1
W 2	6 47 28	11°43'19	29°54	21°27	29°20	0°S30	23°14	2°R29	11° 0	12°27	27°S27	25°A48	24°56	18°54	21°S52	W 2
T 3	6 51 24	12°44'29	14°17.37	21°46	29°59	1°15	23°15	2°25	11° 0	12°28	27°26	25°41	24°52	19° 1	21°51	T 3
F 4	6 55 21	13°45'39	29°43	22°12	0°A41	1°59	23°16	2°20	11° 1	12°29	27°25	25°32	24°49	19° 8	21°49	F 4
S 5	6 59 17	14°46'49	15°S 3	22°44	1°23	2°44	23°17	2°16	11° 2	12°31	27°24	25°21	24°46	19°14	21°47	S 5
S 6	7 3 14	15°47'59	0°A25	23°23	2° 7	3°29	23°17	2°11	11° 3	12°32	27°22	25° 9	24°43	19°21	21°46	S 6
M 7	7 7 10	16°49'10	15°36	24° 7	2°51	4°14	23°R17	2° 6	11° 4	12°34	27°21	24°58	24°40	19°28	21°44	M 7
T 8	7 11 7	17°50'19	0°K28	24°56	3°36	4°58	23°17	2° 2	11° 5	12°35	27°20	24°50	24°36	19°34	21°43	T 8
W 9	7 15 4	18°51'29	14°53	25°49	4°23	5°43	23°17	1°57	11° 6	12°37	27°18	24°44	24°33	19°41	21°42	W 9
T 10	7 19 0	19°52'38	28°49	26°46	5°10	6°28	23°17	1°52	11° 7	12°38	27°17	24°40	24°30	19°48	21°40	T 10
F 11	7 22 57	20°53'47	12°Y15	27°46	5°58	7°13	23°16	1°48	11° 8	12°40	27°16	24°39	24°27	19°55	21°39	F 11
S 12	7 26 53	21°54'55	25°16	28°50	6°47	7°58	23°15	1°43	11° 9	12°41	27°15	24°39	24°24	20° 1	21°38	S 12
S 13	7 30 50	22°56'03	7°S55	29°56	7°37	8°43	23°14	1°38	11°10	12°43	27°13	24°39	24°21	20° 8	21°37	S 13
M14	7 34 46	23°57'11	20°16	1°S 4	8°28	9°28	23°13	1°33	11°12	12°44	27°12	24°37	24°17	20°15	21°36	M14
T 15	7 38 43	24°58'18	2°II25	2°15	9°19	10°13	23°12	1°28	11°13	12°46	27°11	24°33	24°14	20°22	21°35	T 15
W16	7 42 39	25°59'24	14°26	3°28	10°11	10°58	23°10	1°23	11°14	12°48	27° 9	24°25	24°11	20°28	21°34	W16
T 17	7 46 36	27° 0'30	26°21	4°42	11° 4	11°44	23° 8	1°18	11°16	12°50	27° 8	24°15	24° 8	20°35	21°33	T 17
F 18	7 50 33	28° 1'35	8°S14	5°58	11°58	12°29	23° 7	1°13	11°17	12°51	27° 7	24° 2	24° 5	20°42	21°32	F 18
S 19	7 54 29	29° 2'40	20° 6	7°16	12°52	13°14	23° 4	1° 8	11°19	12°53	27° 5	23°48	24° 2	20°48	21°31	S 19
S 20	7 58 26	0°A 3'44	2°R 0	8°34	13°47	13°59	23° 2	1° 4	11°20	12°55	27° 4	23°32	23°58	20°55	21°31	S 20
M21	8 2 22	1° 4'48	13°55	9°55	14°42	14°45	23° 0	0°59	11°22	12°57	27° 3	23°18	23°55	21° 2	21°30	M21
T 22	8 6 19	2° 5'51	25°53	11°16	15°38	15°30	22°57	0°54	11°23	12°58	27° 2	23° 5	23°52	21° 9	21°30	T 22
W23	8 10 15	3° 6'53	7°II57	12°38	16°35	16°16	22°54	0°49	11°25	13° 0	27° 0	22°55	23°49	21°15	21°29	W23
T 24	8 14 12	4° 7'56	20° 7	14° 1	17°32	17° 1	22°51	0°44	11°27	13° 2	26°59	22°48	23°46	21°22	21°29	T 24
F 25	8 18 8	5° 8'57	2°A27	15°26	18°29	17°46	22°48	0°39	11°29	13° 4	26°58	22°44	23°42	21°29	21°28	F 25
S 26	8 22 5	6° 9'59	15° 0	16°51	19°28	18°32	22°44	0°34	11°30	13° 6	26°56	22°42	23°39	21°35	21°28	S 26
S 27	8 26 2	7°10'59	27°50	18°17	20°26	19°18	22°41	0°29	11°32	13° 8	26°55	22°D42	23°36	21°42	21°28	S 27
M28	8 29 58	8°12'00	11°II 0	19°44	21°25	20° 3	22°37	0°24	11°34	13°10	26°54	22°R42	23°33	21°49	21°28	M28
T 29	8 33 55	9°13'00	24°36	21°11	22°25	20°49	22°33	0°19	11°36	13°12	26°53	22°41	23°30	21°56	21°28	T 29
W30	8 37 51	10°13'59	8°K37	22°40	23°25	21°35	22°29	0°15	11°38	13°14	26°51	22°38	23°27	22° 2	21°D28	W30
T 31	8 41 48	11°14'58	23°17 6	24°S 9	24°K25	22°S20	22°II25	0°R10	11°Y40	13°K16	26°S50	22°A33	23°A23	22°S 9	21°K28	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s59	14s52	1n43	20s12	2n55	15s56	4n 0	24s 0	0s35	3n48	1n13	19n48	0n15	3n43	0s41	7s42
W 2	22 54	17 21	2 50	20 18	2 50	16 2	4 3	24 1	0 36	3 48	1 13	19 49	0 15	3 43	0 41	7 41
T 3	22 48	18 46	3 47	20 26	2 44	16 8	4 5	24 1	0 36	3 48	1 13	19 50	0 15	3 44	0 41	7 41
F 4	22 42	18 54	4 31	20 34	2 37	16 15	4 7	24 1	0 37	3 48	1 14	19 52	0 15	3 44	0 41	7 40
S 5	22 36	17 40	4 56	20 44	2 29	16 22	4 8	24 1	0 38	3 48	1 14	19 53	0 15	3 44	0 41	7 40
S 6	22 29	15 10	4 59	20 54	2 21	16 29	4 10	24 0	0 38	3 48	1 14	19 54	0 15	3 45	0 41	7 39
M 7	22 21	11 39	4 41	21 4	2 13	16 36	4 11	23 59	0 39	3 48	1 14	19 55	0 15	3 45	0 40	7 39
T 8	22 14	7 28	4 5	21 15	2 4	16 44	4 11	23 58	0 39	3 48	1 15	19 56	0 15	3 46	0 40	7 38
W 9	22 5	2 58	3 13	21 26	1 55	16 52	4 12	23 57	0 40	3 49	1 15	19 57	0 16	3 46	0 40	7 37
T 10	21 57	1n33	2 12	21 36	1 46	17 0	4 12	23 56	0 40	3 49	1 15	19 59	0 16	3 46	0 40	7 37
F 11	21 47	5 50	1 5	21 46	1 37	17 8	4 13	23 54	0 41	3 50	1 16	20 0	0 16	3 47	0 40	7 36
S 12	21 38	9 43	0s 3	21 56	1 28	17 16	4 12	23 52	0 41	3 50	1 16	20 1	0 16	3 47	0 40	7 36
S 13	21 28	13 2	1 10	22 6	1 19	17 24	4 12	23 49	0 42	3 51	1 16	20 2	0 16	3 48	0 40	7 35
M14	21 18	15 41	2 11	22 15	1 10	17 33	4 12	23 47	0 43	3 52	1 16	20 3	0 16	3 48	0 40	7 34
T 15	21 7	17 36	3 5	22 23	1 1	17 41	4 11	23 44	0 43	3 52	1 17	20 4	0 16	3 49	0 40	7 34
W16	20 56	18 41	3 50	22 30	0 52	17 50	4 10	23 41	0 44	3 53	1 17	20 6	0 16	3 50	0 40	7 33
T 17	20 44	18 57	4 25	22 37	0 43	17 58	4 9	23 38	0 44	3 54	1 17	20 7	0 16	3 50	0 40	7 32
F 18	20 32	18 22	4 48	22 43	0 34	18 6	4 8	23 34	0 45	3 55	1 18	20 8	0 17	3 51	0 40	7 32
S 19	20 20	16 59	4 59	22 48	0 25	18 14	4 6	23 30	0 45	3 56	1 18	20 9	0 17	3 51	0 40	7 31
S 20	20 7	14 53	4 56	22 51	0 17	18 23	4 5	23 26	0 46	3 57	1 18	20 10	0 17	3 52	0 40	7 30
M21	19 54	12 9	4 41	22 54	0 8	18 31	4 3	23 22	0 46	3 59	1 18	20 12	0 17	3 53	0 40	7 29
T 22	19 40	8 55	4 12	22 56	0 0	18 38	4 1	23 17	0 47	4 0	1 19	20 13	0 17	3 53	0 40	7 29
W23	19 26	5 17	3 33	22 57	0s 8	18 46	3 59	23 12	0 47	4 1	1 19	20 14	0 17	3 54	0 40	7 28
T 24	19 12	1 24	2 43	22 56	0 16	18 54	3 57	23 7	0 48	4 3	1 19	20 15	0 17	3 55	0 40	7 27
F 25	18 58	2s35	1 45	22 54	0 23	19 1	3 55	23 2	0 48	4 4	1 19	20 16	0 17	3 55	0 40	7 27
S 26	18 43	6 32	0 41	22 51	0 31	19 8	3 52	22 56	0 49	4 6	1 20	20 17	0 17	3 56	0 40	7 26
S 27	18 27	10 16	0n27	22 47	0 38	19 15	3 50	22 50	0 49	4 8	1 20	20 19	0 17	3 57	0 40	7 25
M28	18 12	13 36	1 35	22 42	0 45	19 22	3 47	22 44	0 50	4 9	1 20	20 20	0 18	3 58	0 40	7 25
T 29	17 56	16 18	2 40	22 36	0 51	19 28	3 44	22 38	0 50	4 11	1 20	20 21	0 18	3 58	0 40	7 24
W30	17 40	18 8	3 38	22 28	0 58	19 34	3 41	22 31	0 51	4 13	1 21	20 22	0 18	3 59	0 40	7 23
T 31	17s23	18s51	4n24	22s19	1s 4	19s40	3n38	22s24	0s51	4n15	1n21	20n23	0n18	4n 0	0s40	7s22

Julian Day Number = 2518019.5, Delta T = 146.42 sec
Ecliptic obliquity = 23°24'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°17'01, Lahiri = 26°24'01

ASTRODIENST EPHEMERIS for the year 2182

geocentric

FEBRUARY 2182

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 45 44	12 ²⁸ 15'56	7 ³⁸ 58	25 ³⁹ 39	25 ²⁷ 26	23 ³⁸ 6	22°R20	0°R 5	11°Y42	13°K18	26°R49	22°R25	23 ²⁸ 20	22 ²⁸ 16	21 ²⁸ 28	F 1
S 2	8 49 41	13°16'54	23° 7	27° 9	26°27	23°52	22 ¹⁹ 16	0 ²⁸ 0	11°44	13°20	26 ²⁸ 47	22 ²⁸ 15	23°17	22°23	21°28	S 2
S 3	8 53 37	14°17'50	8 ²⁸ 23	28°41	27°29	24°38	22°11	29 ²⁸ 55	11°46	13°22	26°46	22° 4	23°14	22°29	21°28	S 3
M 4	8 57 34	15°18'46	23°35	0 ²⁸ 13	28°31	25°23	22° 6	29°51	11°49	13°24	26°45	21°54	23°11	22°36	21°28	M 4
T 5	9 1 31	16°19'40	8 ²⁸ 33	1°46	29°33	26° 9	22° 1	29°46	11°51	13°26	26°44	21°46	23° 8	22°43	21°29	T 5
W 6	9 5 27	17°20'34	23° 7	3°19	0 ²⁸ 36	26°55	21°55	29°42	11°53	13°28	26°43	21°40	23° 4	22°49	21°29	W 6
T 7	9 9 24	18°21'25	7 ²⁸ 13	4°53	1°38	27°41	21°50	29°37	11°55	13°30	26°41	21°37	23° 1	22°56	21°30	T 7
F 8	9 13 20	19°22'16	20°50	6°28	2°42	28°27	21°44	29°32	11°58	13°32	26°40	21°D36	22°58	23° 3	21°30	F 8
S 9	9 17 17	20°23'05	3 ²⁸ 58	8° 4	3°45	29°13	21°39	29°28	12° 0	13°34	26°39	21°36	22°55	23°10	21°31	S 9
S 10	9 21 13	21°23'53	16°42	9°41	4°49	29°59	21°33	29°24	12° 3	13°36	26°38	21°R37	22°52	23°16	21°32	S 10
M 11	9 25 10	22°24'39	29° 6	11°18	5°53	0 ²⁸ 45	21°27	29°19	12° 5	13°39	26°37	21°37	22°48	23°23	21°32	M 11
T 12	9 29 6	23°25'24	11 ²⁸ 15	12°56	6°57	1°31	21°21	29°15	12° 8	13°41	26°35	21°35	22°45	23°30	21°33	T 12
W 13	9 33 3	24°26'07	23°13	14°35	8° 2	2°18	21°15	29°11	12°10	13°43	26°34	21°31	22°42	23°37	21°34	W 13
T 14	9 37 0	25°26'49	5 ²⁸ 6	16°14	9° 7	3° 4	21° 8	29° 7	12°13	13°45	26°33	21°24	22°39	23°43	21°35	T 14
F 15	9 40 56	26°27'29	16°57	17°55	10°12	3°50	21° 2	29° 2	12°15	13°47	26°32	21°15	22°36	23°50	21°36	F 15
S 16	9 44 53	27°28'07	28°49	19°36	11°17	4°36	20°55	28°58	12°18	13°49	26°31	21° 5	22°33	23°57	21°37	S 16
S 17	9 48 49	28°28'44	10 ²⁸ 45	21°18	12°22	5°22	20°49	28°54	12°21	13°52	26°30	20°54	22°29	24° 3	21°38	S 17
M 18	9 52 46	29°29'20	22°46	23° 1	13°28	6° 9	20°42	28°51	12°23	13°54	26°29	20°44	22°26	24°10	21°40	M 18
T 19	9 56 42	0 ²⁸ 49'54	4 ²⁸ 15	24°45	14°34	6°55	20°35	28°47	12°26	13°56	26°28	20°35	22°23	24°17	21°41	T 19
W 20	10 0 39	1°30'27	17° 8	26°30	15°40	7°41	20°28	28°43	12°29	13°58	26°27	20°28	22°20	24°24	21°42	W 20
T 21	10 4 35	2°30'58	29°31	28°16	16°47	8°27	20°21	28°39	12°32	14° 1	26°26	20°23	22°17	24°30	21°44	T 21
F 22	10 8 32	3°31'27	12 ²⁸ 5	0 ²⁸ 2	17°53	9°14	20°14	28°36	12°34	14° 3	26°25	20°21	22°13	24°37	21°45	F 22
S 23	10 12 28	4°31'56	24°50	1°50	19° 0	10° 0	20° 6	28°32	12°37	14° 5	26°24	20°D21	22°10	24°44	21°47	S 23
S 24	10 16 25	5°32'23	7 ²⁸ 48	3°38	20° 7	10°47	19°59	28°29	12°40	14° 7	26°23	20°22	22° 7	24°50	21°48	S 24
M 25	10 20 22	6°32'48	21° 3	5°27	21°14	11°33	19°51	28°25	12°43	14°10	26°22	20°23	22° 4	24°57	21°50	M 25
T 26	10 24 18	7°33'13	4 ²⁸ 36	7°18	22°21	12°19	19°44	28°22	12°46	14°12	26°21	20°R24	22° 1	25° 4	21°51	T 26
W 27	10 28 15	8°33'36	18°29	9° 9	23°29	13° 6	19°36	28°19	12°49	14°14	26°20	20°24	21°58	25°11	21°53	W 27
T 28	10 32 11	9 ²⁸ 33'58	2 ²⁸ 42	11 ²⁸ 1	24 ²⁸ 37	13 ²⁸ 52	19 ²⁸ 29	28 ²⁸ 16	12 ²⁸ Y52	14 ²⁸ K16	26 ²⁸ 19	20 ²⁸ 22	21 ²⁸ 54	25 ²⁸ 17	21 ²⁸ 55	T 28

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	17s 6	18s18	4n53	22s 8	1s10	19s45	3n35	22s17	0s52	4n17	1n21	20n24	0n18	4n 1	0s40	F 1
S 2	16 49	16 28	5 2	21 57	1 16	19 50	3 32	22 10	0 52	4 19	1 21	20 25	0 18	4 2	0 40	S 2
S 3	16 31	13 28	4 50	21 44	1 21	19 55	3 29	22 2	0 53	4 21	1 22	20 26	0 18	4 3	0 40	S 3
M 4	16 14	9 35	4 18	21 30	1 27	19 59	3 25	21 55	0 53	4 23	1 22	20 28	0 18	4 4	0 39	M 4
T 5	15 56	5 8	3 28	21 14	1 32	20 3	3 22	21 47	0 54	4 25	1 22	20 29	0 18	4 4	0 39	T 5
W 6	15 37	0 30	2 26	20 57	1 36	20 7	3 18	21 38	0 54	4 28	1 22	20 30	0 18	4 5	0 39	W 6
T 7	15 19	4n 1	1 16	20 39	1 41	20 10	3 14	21 30	0 55	4 30	1 22	20 31	0 19	4 6	0 39	T 7
F 8	15 0	8 11	0 4	20 19	1 45	20 12	3 11	21 21	0 55	4 32	1 23	20 32	0 19	4 7	0 39	F 8
S 9	14 41	11 48	1s 6	19 58	1 48	20 15	3 7	21 12	0 56	4 35	1 23	20 33	0 19	4 8	0 39	S 9
S 10	14 21	14 44	2 10	19 36	1 52	20 17	3 3	21 3	0 56	4 37	1 23	20 34	0 19	4 9	0 39	S 10
M 11	14 2	16 54	3 6	19 13	1 55	20 18	2 59	20 53	0 57	4 40	1 23	20 35	0 19	4 10	0 39	M 11
T 12	13 42	18 15	3 53	18 48	1 58	20 19	2 55	20 44	0 57	4 42	1 23	20 36	0 19	4 11	0 39	T 12
W 13	13 22	18 46	4 29	18 21	2 0	20 19	2 51	20 34	0 57	4 45	1 24	20 37	0 19	4 12	0 39	W 13
T 14	13 1	18 26	4 53	17 54	2 2	20 19	2 47	20 23	0 58	4 48	1 24	20 38	0 19	4 13	0 39	T 14
F 15	12 41	17 19	5 4	17 24	2 4	20 19	2 43	20 13	0 58	4 50	1 24	20 39	0 19	4 14	0 39	F 15
S 16	12 20	15 26	5 2	16 54	2 5	20 18	2 39	20 3	0 59	4 53	1 24	20 40	0 19	4 15	0 39	S 16
S 17	11 59	12 55	4 47	16 22	2 6	20 17	2 34	19 52	0 59	4 56	1 24	20 40	0 19	4 16	0 39	S 17
M 18	11 38	9 49	4 19	15 49	2 6	20 15	2 30	19 41	1 0	4 59	1 25	20 41	0 20	4 17	0 39	M 18
T 19	11 17	6 18	3 40	15 15	2 6	20 12	2 26	19 30	1 0	5 2	1 25	20 42	0 20	4 19	0 39	T 19
W 20	10 56	2 29	2 49	14 39	2 6	20 9	2 21	19 18	1 0	5 5	1 25	20 43	0 20	4 20	0 39	W 20
T 21	10 34	1s29	1 50	14 1	2 5	20 6	2 17	19 7	1 1	5 7	1 25	20 44	0 20	4 21	0 39	T 21
F 22	10 12	5 27	0 45	13 23	2 4	20 2	2 13	18 55	1 1	5 10	1 25	20 45	0 20	4 22	0 39	F 22
S 23	9 50	9 14	0n24	12 43	2 2	19 57	2 8	18 43	1 2	5 13	1 25	20 45	0 20	4 23	0 39	S 23
S 24	9 28	12 38	1 33	12 2	2 0	19 52	2 4	18 30	1 2	5 16	1 25	20 46	0 20	4 24	0 39	S 24
M 25	9 6	15 27	2 38	11 19	1 57	19 46	1 59	18 18	1 2	5 19	1 26	20 47	0 20	4 25	0 39	M 25
T 26	8 44	17 29	3 37	10 35	1 54	19 40	1 55	18 5	1 3	5 23	1 26	20 48	0 20	4 26	0 39	T 26
W 27	8 21	18 32	4 23	9 50	1 50	19 34	1 50	17 53	1 3	5 26	1 26	20 48	0 20	4 28	0 39	W 27
T 28	7s58	18s28	4n56	9s 4	1s46	19s27	1n46	17s40	1s 4	5n29	1n26	20n49	0n20	4n29	0s39	T 28

Julian Day Number = 2518050.5, Delta T = 146.49 sec

Ecliptic obliquity = 23°24'47, Nutation = 0°00'08, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°17'05, Lahiri = 26°24'06

ASTRODIENST EPHEMERIS for the year 2182
geocentric

MARCH 2182

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	10 36 8	10♈34'18	17♌14	12♊53	25♈44	14♎39	19°R21	28°R13	12♏55	14♋19	26°R18	20°R18	21♎51	25♎24	21♏57	F 1
S 2	10 40 4	11°34'37	2♎0	14°47	26°52	15°26	19♎14	28♎10	12°58	14°21	26♎17	20♎12	21°48	25°31	21°59	S 2
S 3	10 44 1	12°34'55	16°53	16°41	28° 0	16°12	19° 6	28° 7	13° 1	14°23	26°16	20° 7	21°45	25°38	22° 1	S 3
M 4	10 47 57	13°35'10	1♈46	18°35	29° 9	16°59	18°58	28° 4	13° 4	14°25	26°16	20° 1	21°42	25°44	22° 3	M 4
T 5	10 51 54	14°35'24	16°31	20°30	0♎17	17°45	18°50	28° 2	13° 7	14°28	26°15	19°56	21°39	25°51	22° 5	T 5
W 6	10 55 51	15°35'37	0♏58	22°26	1°25	18°32	18°42	27°59	13°10	14°30	26°14	19°53	21°35	25°58	22° 7	W 6
T 7	10 59 47	16°35'47	15° 3	24°21	2°34	19°18	18°35	27°57	13°13	14°32	26°13	19°D52	21°32	26° 4	22° 9	T 7
F 8	11 3 44	17°35'55	28°43	26°17	3°43	20° 5	18°27	27°55	13°16	14°35	26°12	19°52	21°29	26°11	22°12	F 8
S 9	11 7 40	18°36'02	11♌57	28°12	4°51	20°52	18°19	27°52	13°20	14°37	26°12	19°53	21°26	26°18	22°14	S 9
S 10	11 11 37	19°36'06	24°47	0♏6	6° 0	21°38	18°11	27°50	13°23	14°39	26°11	19°55	21°23	26°25	22°16	S 10
M 11	11 15 33	20°36'09	7♎17	2° 0	7° 9	22°25	18° 3	27°48	13°26	14°41	26°10	19°56	21°19	26°31	22°19	M 11
T 12	11 19 30	21°36'09	19°30	3°52	8°19	23°12	17°55	27°46	13°29	14°44	26°10	19°R57	21°16	26°38	22°21	T 12
W 13	11 23 26	22°36'07	1♎31	5°43	9°28	23°58	17°48	27°44	13°33	14°46	26° 9	19°57	21°13	26°45	22°24	W 13
T 14	11 27 23	23°36'02	13°25	7°32	10°37	24°45	17°40	27°43	13°36	14°48	26° 8	19°55	21°10	26°51	22°26	T 14
F 15	11 31 20	24°35'56	25°17	9°18	11°47	25°32	17°32	27°41	13°39	14°50	26° 8	19°52	21° 7	26°58	22°29	F 15
S 16	11 35 16	25°35'48	7♎10	11° 1	12°56	26°19	17°24	27°40	13°42	14°53	26° 7	19°49	21° 4	27° 5	22°31	S 16
S 17	11 39 13	26°35'37	19° 9	12°40	14° 6	27° 5	17°17	27°38	13°46	14°55	26° 7	19°45	21° 0	27°12	22°34	S 17
M 18	11 43 9	27°35'24	1♎15	14°16	15°15	27°52	17° 9	27°37	13°49	14°57	26° 6	19°41	20°57	27°18	22°37	M 18
T 19	11 47 6	28°35'09	13°32	15°47	16°25	28°39	17° 1	27°36	13°52	14°59	26° 6	19°38	20°54	27°25	22°40	T 19
W 20	11 51 2	29°34'52	26° 0	17°13	17°35	29°25	16°54	27°35	13°56	15° 2	26° 5	19°35	20°51	27°32	22°43	W 20
T 21	11 54 59	0♏34'33	8♎41	18°34	18°45	0♈12	16°46	27°34	13°59	15° 4	26° 5	19°34	20°48	27°39	22°46	T 21
F 22	11 58 55	1°34'12	21°34	19°49	19°55	0°59	16°39	27°33	14° 2	15° 6	26° 4	19°D33	20°44	27°45	22°49	F 22
S 23	12 2 52	2°33'49	4♎40	20°58	21° 5	1°46	16°32	27°32	14° 6	15° 8	26° 4	19°34	20°41	27°52	22°52	S 23
S 24	12 6 48	3°33'25	18° 0	22° 0	22°15	2°32	16°25	27°31	14° 9	15°10	26° 3	19°35	20°38	27°59	22°55	S 24
M 25	12 10 45	4°32'59	1♈31	22°55	23°26	3°19	16°17	27°31	14°12	15°13	26° 3	19°36	20°35	28° 5	22°58	M 25
T 26	12 14 42	5°32'31	15°16	23°42	24°36	4° 6	16°10	27°31	14°16	15°15	26° 3	19°37	20°32	28°12	23° 1	T 26
W 27	12 18 38	6°32'01	29°12	24°23	25°47	4°53	16° 3	27°30	14°19	15°17	26° 2	19°38	20°29	28°19	23° 4	W 27
T 28	12 22 35	7°31'29	13♌19	24°56	26°57	5°40	15°56	27°30	14°23	15°19	26° 2	19°R38	20°25	28°26	23° 7	T 28
F 29	12 26 31	8°30'56	27°36	25°21	28° 8	6°26	15°50	27°D30	14°26	15°21	26° 2	19°38	20°22	28°32	23°10	F 29
S 30	12 30 28	9°30'21	12♎0	25°38	29°18	7°13	15°43	27°30	14°30	15°23	26° 1	19°37	20°19	28°39	23°14	S 30
S 31	12 34 24	10♏29'44	26♎26	25°48	0♈29	8♈0	15°36	27°30	14°33	15°26	26° 1	19°36	20°16	28°46	23°17	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	7s36	17s11	5n10	8s16	1s41	19s19	1n41	17s26	1s 4	5n32	1n26	20n50	0n20	4n30
S 2	7 13	14 46	5 4	7 28	1 36	19 11	1 37	17 13	1 4	5 35	1 26	20 50	0 21	4 31
S 3	6 50	11 21	4 37	6 38	1 30	19 2	1 32	17 0	1 5	5 38	1 26	20 51	0 21	4 32
M 4	6 27	7 13	3 52	5 47	1 23	18 53	1 28	16 46	1 5	5 41	1 26	20 52	0 21	4 34
T 5	6 4	2 41	2 52	4 55	1 16	18 43	1 23	16 32	1 5	5 44	1 26	20 52	0 21	4 35
W 6	5 40	1n56	1 41	4 3	1 8	18 32	1 19	16 18	1 6	5 47	1 27	20 53	0 21	4 36
T 7	5 17	6 20	0 26	3 9	1 0	18 21	1 14	16 4	1 6	5 51	1 27	20 53	0 21	4 37
F 8	4 54	10 15	0s48	2 15	0 51	18 10	1 10	15 49	1 6	5 54	1 27	20 54	0 21	4 38
S 9	4 30	13 32	1 58	1 21	0 41	17 58	1 5	15 35	1 7	5 57	1 27	20 55	0 21	4 40
S 10	4 7	16 2	3 0	0 26	0 31	17 46	1 1	15 20	1 7	6 0	1 27	20 55	0 21	4 41
M 11	3 43	17 42	3 51	0n29	0 21	17 33	0 57	15 5	1 7	6 3	1 27	20 55	0 21	4 42
T 12	3 20	18 30	4 31	1 23	0 10	17 20	0 52	14 50	1 8	6 6	1 27	20 56	0 21	4 43
W 13	2 56	18 27	4 58	2 18	0n 2	17 6	0 48	14 35	1 8	6 9	1 27	20 56	0 21	4 45
T 14	2 32	17 34	5 12	3 12	0 14	16 51	0 44	14 20	1 8	6 12	1 27	20 57	0 21	4 46
F 15	2 9	15 56	5 12	4 5	0 26	16 37	0 39	14 4	1 9	6 15	1 27	20 57	0 21	4 47
S 16	1 45	13 38	4 59	4 57	0 39	16 21	0 35	13 49	1 9	6 18	1 27	20 57	0 22	4 49
S 17	1 21	10 44	4 34	5 48	0 52	16 5	0 31	13 33	1 9	6 21	1 27	20 58	0 22	4 50
M 18	0 57	7 21	3 55	6 37	1 5	15 49	0 27	13 17	1 9	6 24	1 27	20 58	0 22	4 51
T 19	0 34	3 37	3 6	7 24	1 18	15 32	0 22	13 1	1 10	6 27	1 27	20 58	0 22	4 53
W 20	0 10	0s21	2 6	8 9	1 31	15 15	0 18	12 45	1 10	6 30	1 27	20 59	0 22	4 54
T 21	0n14	4 21	1 0	8 52	1 43	14 58	0 14	12 29	1 10	6 33	1 27	20 59	0 22	4 55
F 22	0 37	8 14	0n11	9 32	1 56	14 40	0 10	12 13	1 10	6 36	1 27	20 59	0 22	4 56
S 23	1 1	11 46	1 23	10 9	2 8	14 21	0 6	11 56	1 11	6 39	1 27	20 59	0 22	4 58
S 24	1 25	14 46	2 31	10 43	2 19	14 2	0 2	11 40	1 11	6 41	1 27	21 0	0 22	4 59
M 25	1 48	16 59	3 32	11 13	2 30	13 43	0s 1	11 23	1 11	6 44	1 27	21 0	0 22	5 0
T 26	2 12	18 16	4 21	11 40	2 40	13 23	0 5	11 6	1 11	6 47	1 27	21 0	0 22	5 2
W 27	2 35	18 28	4 57	12 4	2 49	13 3	0 9	10 49	1 11	6 50	1 27	21 0	0 22	5 3
T 28	2 59	17 32	5 15	12 23	2 57	12 43	0 13	10 32	1 12	6 52	1 27	21 0	0 22	5 4
F 29	3 22	15 30	5 13	12 39	3 4	12 22	0 16	10 15	1 12	6 55	1 27	21 0	0 22	5 6
S 30	3 46	12 29	4 53	12 51	3 10	12 1	0 20	9 58	1 12	6 57	1 27	21 0	0 22	5 7
S 31	4n 9	8s43	4n14	12n59	3n15	11s39	0s24	9s41	1s12	7n 0	1n26	21n 0	0n22	5n 8

Julian Day Number = 2518078.5, Delta T = 146.56 sec
Ecliptic obliquity = 23°24'48, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°17'09, Lahiri = 26°24'10

ASTRODIENST EPHEMERIS for the year 2182

geocentric

MAY 2182

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	15n 5	7n16	0n 7	4n 9	2s20	1n26	1s37	0s18	1s14	7n47	1n22	20n50	0n24	5n48	0s38	6s11
T 2	15 23	11 1	1s 6	4 14	2 28	1 53	1 38	0n 1	1 14	7 47	1 22	20 50	0 24	5 50	0 38	6 11
F 3	15 41	14 9	2 15	4 22	2 36	2 20	1 40	0 19	1 14	7 47	1 22	20 49	0 24	5 51	0 38	6 10
S 4	15 58	16 30	3 15	4 31	2 42	2 48	1 40	0 37	1 14	7 48	1 22	20 48	0 24	5 52	0 38	6 10
S 5	16 15	17 59	4 4	4 43	2 48	3 15	1 41	0 56	1 13	7 48	1 21	20 48	0 24	5 53	0 38	6 9
M 6	16 32	18 33	4 41	4 56	2 53	3 42	1 42	1 14	1 13	7 48	1 21	20 47	0 24	5 54	0 38	6 9
T 7	16 49	18 15	5 4	5 11	2 57	4 9	1 43	1 33	1 13	7 48	1 21	20 46	0 24	5 56	0 38	6 8
W 8	17 5	17 7	5 13	5 28	3 1	4 37	1 43	1 51	1 13	7 48	1 21	20 45	0 24	5 57	0 38	6 8
T 9	17 21	15 15	5 8	5 47	3 4	5 4	1 44	2 9	1 13	7 48	1 21	20 45	0 25	5 58	0 38	6 7
F 10	17 37	12 45	4 50	6 8	3 6	5 31	1 44	2 27	1 13	7 48	1 20	20 44	0 25	5 59	0 38	6 7
S 11	17 53	9 44	4 20	6 30	3 7	5 58	1 45	2 46	1 13	7 47	1 20	20 43	0 25	6 0	0 39	6 6
S 12	18 8	6 16	3 38	6 53	3 8	6 24	1 45	3 4	1 13	7 47	1 20	20 42	0 25	6 1	0 39	6 6
M13	18 23	2 30	2 46	7 18	3 8	6 51	1 45	3 22	1 12	7 47	1 20	20 41	0 25	6 2	0 39	6 5
T 14	18 38	1s27	1 45	7 44	3 8	7 18	1 45	3 40	1 12	7 46	1 20	20 40	0 25	6 3	0 39	6 5
W15	18 52	5 27	0 37	8 11	3 7	7 44	1 45	3 58	1 12	7 46	1 19	20 39	0 25	6 5	0 39	6 5
T 16	19 6	9 19	0n34	8 40	3 5	8 11	1 45	4 16	1 12	7 45	1 19	20 38	0 25	6 6	0 39	6 4
F 17	19 20	12 48	1 45	9 9	3 2	8 37	1 45	4 34	1 12	7 45	1 19	20 37	0 25	6 7	0 39	6 4
S 18	19 33	15 41	2 52	9 40	2 59	9 3	1 45	4 52	1 11	7 44	1 19	20 36	0 25	6 8	0 39	6 3
S 19	19 46	17 40	3 50	10 11	2 56	9 28	1 45	5 10	1 11	7 43	1 19	20 36	0 25	6 9	0 39	6 3
M20	19 59	18 34	4 35	10 44	2 52	9 54	1 44	5 27	1 11	7 42	1 18	20 35	0 25	6 10	0 39	6 3
T 21	20 11	18 15	5 2	11 17	2 47	10 20	1 44	5 45	1 11	7 41	1 18	20 33	0 25	6 11	0 39	6 2
W22	20 23	16 44	5 9	11 51	2 42	10 45	1 43	6 3	1 10	7 40	1 18	20 32	0 25	6 12	0 39	6 2
T 23	20 34	14 9	4 57	12 26	2 36	11 10	1 43	6 20	1 10	7 39	1 18	20 31	0 25	6 13	0 39	6 2
F 24	20 46	10 44	4 26	13 1	2 29	11 35	1 42	6 38	1 10	7 38	1 18	20 30	0 25	6 14	0 39	6 1
S 25	20 57	6 44	3 39	13 37	2 23	11 59	1 42	6 55	1 10	7 37	1 17	20 29	0 25	6 15	0 39	6 1
S 26	21 7	2 25	2 40	14 13	2 15	12 23	1 41	7 12	1 9	7 36	1 17	20 28	0 25	6 16	0 39	6 1
M27	21 17	1n57	1 32	14 50	2 7	12 47	1 40	7 30	1 9	7 34	1 17	20 27	0 25	6 17	0 39	6 1
T 28	21 27	6 9	0 21	15 26	1 59	13 11	1 39	7 47	1 9	7 33	1 17	20 26	0 25	6 18	0 39	6 0
W29	21 37	9 59	0s50	16 3	1 51	13 35	1 38	8 4	1 8	7 31	1 17	20 25	0 26	6 19	0 39	6 0
T 30	21 46	13 16	1 58	16 40	1 42	13 58	1 37	8 21	1 8	7 30	1 16	20 23	0 26	6 20	0 39	6 0
F 31	21n54	15n52	2s58	17n17	1s32	14n20	1s36	8n37	1s 8	7n28	1n16	20n22	0n26	6n20	0s39	6s 0

Julian Day Number = 2518139.5, Delta T = 146.71 sec
 Ecliptic obliquity = 23°24'47, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°17'18, Lahiri = 26°24'18

ASTRODIENST EPHEMERIS for the year 2182
geocentric

JUNE 2182

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 51	10II49'25	6II36	25♂58	14♂41	25♀46	14♂2	0♂55	17♀44	16♂55	26♂34	18°R27	16♂59	5♂42	27♂26	S 1
S 2	16 42 47	11°47'00	19° 4	27°54	15°54	26°31	14° 6	1° 1	17°47	16°56	26°35	18♂18	16°56	5°49	27°30	S 2
M 3	16 46 44	12°44'33	1♂22	29°51	17° 6	27°17	14°10	1° 7	17°49	16°57	26°37	18° 8	16°53	5°56	27°35	M 3
T 4	16 50 40	13°42'06	13°30	1II51	18°19	28° 2	14°15	1°13	17°51	16°57	26°38	17°58	16°49	6° 2	27°39	T 4
W 5	16 54 37	14°39'37	25°29	3°52	19°31	28°47	14°19	1°19	17°54	16°58	26°39	17°48	16°46	6° 9	27°43	W 5
T 6	16 58 33	15°37'07	7♂23	5°56	20°44	29°32	14°24	1°25	17°56	16°58	26°40	17°40	16°43	6°16	27°47	T 6
F 7	17 2 30	16°34'36	19°14	8° 1	21°56	0♂17	14°29	1°31	17°58	16°58	26°42	17°34	16°40	6°23	27°51	F 7
S 8	17 6 27	17°32'04	1♂6	10° 8	23° 9	1° 1	14°33	1°37	18° 0	16°59	26°43	17°31	16°37	6°29	27°55	S 8
S 9	17 10 23	18°29'30	13° 3	12°16	24°22	1°46	14°39	1°44	18° 2	16°59	26°44	17°29	16°33	6°36	27°59	S 9
M10	17 14 20	19°26'56	25°11	14°25	25°34	2°31	14°44	1°50	18° 4	16°59	26°46	17°D29	16°30	6°43	28° 3	M10
T 11	17 18 16	20°24'20	7♂35	16°36	26°47	3°16	14°49	1°57	18° 6	17° 0	26°47	17°30	16°27	6°49	28° 7	T 11
W12	17 22 13	21°21'43	20°19	18°47	28° 0	4° 0	14°55	2° 3	18° 8	17° 0	26°48	17°R30	16°24	6°56	28°11	W12
T 13	17 26 9	22°19'05	3II28	20°59	29°12	4°45	15° 0	2°10	18°10	17° 0	26°50	17°29	16°21	7° 3	28°15	T 13
F 14	17 30 6	23°16'26	17° 4	23°11	0II25	5°29	15° 6	2°16	18°12	17° 0	26°51	17°26	16°18	7°10	28°19	F 14
S 15	17 34 2	24°13'46	1♂7	25°23	1°38	6°14	15°12	2°23	18°14	17° 1	26°52	17°20	16°14	7°16	28°23	S 15
S 16	17 37 59	25°11'06	15°36	27°35	2°50	6°58	15°18	2°29	18°16	17° 1	26°54	17°12	16°11	7°23	28°27	S 16
M17	17 41 56	26° 8'24	0♂24	29°46	4° 3	7°43	15°25	2°36	18°17	17° 1	26°55	17° 3	16° 8	7°30	28°31	M17
T 18	17 45 52	27° 5'42	15°23	1♂56	5°16	8°27	15°31	2°43	18°19	17° 1	26°57	16°53	16° 5	7°37	28°35	T 18
W19	17 49 49	28° 3'00	0♂24	4° 6	6°29	9°11	15°37	2°50	18°21	17°R 1	26°58	16°44	16° 2	7°43	28°39	W19
T 20	17 53 45	29° 0'17	15°17	6°14	7°41	9°55	15°44	2°57	18°22	17° 1	27° 0	16°36	15°59	7°50	28°43	T 20
F 21	17 57 42	29°57'33	29°56	8°20	8°54	10°39	15°51	3° 3	18°24	17° 1	27° 1	16°31	15°55	7°57	28°47	F 21
S 22	18 1 38	0♂54'50	14♂15	10°26	10° 7	11°23	15°58	3°10	18°25	17° 1	27° 2	16°28	15°52	8° 3	28°50	S 22
S 23	18 5 35	1°52'06	28°12	12°29	11°20	12° 7	16° 5	3°17	18°27	17° 1	27° 4	16°D27	15°49	8°10	28°54	S 23
M24	18 9 31	2°49'22	11♀48	14°30	12°33	12°51	16°12	3°24	18°28	17° 0	27° 5	16°R27	15°46	8°17	28°58	M24
T 25	18 13 28	3°46'37	25° 4	16°30	13°46	13°35	16°19	3°31	18°30	17° 0	27° 7	16°27	15°43	8°23	29° 2	T 25
W26	18 17 25	4°43'53	8♂ 4	18°27	14°59	14°19	16°27	3°39	18°31	17° 0	27° 8	16°25	15°39	8°30	29° 5	W26
T 27	18 21 21	5°41'08	20°50	20°23	16°11	15° 3	16°34	3°46	18°32	17° 0	27°10	16°22	15°36	8°37	29° 9	T 27
F 28	18 25 18	6°38'24	3II23	22°16	17°24	15°46	16°42	3°53	18°34	17° 0	27°12	16°15	15°33	8°44	29°13	F 28
S 29	18 29 14	7°35'39	15°46	24° 7	18°37	16°30	16°50	4° 0	18°35	16°59	27°13	16° 5	15°30	8°50	29°16	S 29
S 30	18 33 11	8♂32'54	28II 1	25♂56	19II50	17♂13	16♂58	4♂ 7	18♀36	16♂59	27♂15	15♂54	15♂27	8♂57	29♂20	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	decl	lat	
S 1	22n 3	17n38	3s48	17n53	1s22	14n43	1s35	8n54	1s 7	7n27	1n16	20n21	0n26	6n21	0s39	6s 0	0s54	22n15	1n28	7s13	6s40	14n 6	16n50	2s48						
S 2	22 11	18 32	4 27	18 30	1 12	15 5	1 34	9 11	1 7	7 25	1 16	20 20	0 26	6 22	0 39	5 59	0 54	22 15	1 28	7 10	6 39	14 4	16 51	2 49						
M 3	22 18	18 32	4 52	19 5	1 2	15 27	1 32	9 27	1 7	7 23	1 16	20 19	0 26	6 23	0 39	5 59	0 54	22 15	1 28	7 6	6 37	14 3	16 51	2 49						
T 4	22 25	17 41	5 4	19 40	0 52	15 48	1 31	9 44	1 6	7 21	1 15	20 17	0 26	6 24	0 39	5 59	0 54	22 14	1 28	7 2	6 36	14 2	16 52	2 49						
W 5	22 32	16 4	5 2	20 14	0 41	16 9	1 29	10 0	1 6	7 19	1 15	20 16	0 26	6 25	0 39	5 59	0 54	22 14	1 28	6 59	6 35	14 0	16 53	2 49						
T 6	22 38	13 46	4 47	20 47	0 30	16 30	1 28	10 16	1 5	7 17	1 15	20 15	0 26	6 26	0 39	5 59	0 55	22 14	1 28	6 56	6 34	13 59	16 54	2 49						
F 7	22 44	10 55	4 20	21 18	0 19	16 50	1 26	10 32	1 5	7 15	1 15	20 13	0 26	6 26	0 39	5 59	0 55	22 14	1 28	6 53	6 33	13 58	16 55	2 49						
S 8	22 50	7 37	3 42	21 48	0 9	17 10	1 25	10 48	1 5	7 13	1 15	20 12	0 26	6 27	0 39	5 58	0 55	22 14	1 28	6 52	6 31	13 56	16 55	2 49						
S 9	22 55	3 59	2 53	22 17	0n 2	17 30	1 23	11 4	1 4	7 11	1 15	20 11	0 26	6 28	0 39	5 58	0 55	22 13	1 28	6 51	6 30	13 55	16 56	2 50						
M10	23 0	0 8	1 56	22 43	0 13	17 49	1 22	11 20	1 4	7 9	1 14	20 9	0 26	6 29	0 39	5 58	0 55	22 13	1 28	6 51	6 29	13 54	16 57	2 50						
T 11	23 4	3s49	0 53	23 7	0 23	18 7	1 20	11 36	1 3	7 7	1 14	20 8	0 26	6 29	0 39	5 58	0 55	22 13	1 28	6 52	6 28	13 52	16 58	2 50						
W12	23 8	7 42	0n15	23 30	0 33	18 25	1 18	11 51	1 3	7 4	1 14	20 7	0 26	6 30	0 39	5 58	0 55	22 13	1 28	6 52	6 26	13 51	16 58	2 50						
T 13	23 11	11 20	1 24	23 49	0 43	18 43	1 16	12 6	1 3	7 2	1 14	20 5	0 26	6 31	0 39	5 58	0 55	22 13	1 28	6 51	6 25	13 50	16 59	2 50						
F 14	23 15	14 30	2 31	24 7	0 53	19 0	1 14	12 22	1 2	7 0	1 14	20 4	0 26	6 31	0 39	5 58	0 55	22 12	1 28	6 50	6 24	13 48	17 0	2 50						
S 15	23 17	16 56	3 30	24 21	1 1	19 17	1 12	12 37	1 2	6 57	1 13	20 2	0 27	6 32	0 39	5 58	0 55	22 12	1 28	6 48	6 23	13 47	17 0	2 50						
S 16	23 20	18 22	4 18	24 33	1 10	19 33	1 10	12 52	1 1	6 55	1 13	20 1	0 27	6 33	0 39	5 58	0 55	22 12	1 28	6 45	6 22	13 46	17 1	2 51						
M17	23 21	18 35	4 50	24 42	1 18	19 49	1 8	13 7	1 1	6 52	1 13	19 59	0 27	6 33	0 39	5 58	0 55	22 12	1 28	6 41	6 20	13 44	17 2	2 51						
T 18	23 23	17 32	5 2	24 49	1 25	20 4	1 6	13 21	1 0	6 49	1 13	19 58	0 27	6 34	0 39	5 58	0 55	22 11	1 28	6 38	6 19	13 43	17 3	2 51						
W19	23 24	15 16	4 54	24 52	1 31	20 19	1 4	13 36	1 0	6 47	1 13	19 56	0 27	6 35	0 39	5 58	0 55	22 11	1 28	6 34	6 18	13 42	17 3	2 51						
T 20	23 25	12 0	4 25	24 53	1 37	20 33	1 2	13 50	0 59	6 44	1 13	19 55	0 27	6 35	0 39	5 58	0 55	22 11	1 28	6 31	6 17	13 40	17 4	2 51						
F 21	23 25	8 3	3 40	24 51	1 42	20 46	1 0	14 4	0 59	6 41	1 12	19 53	0 27	6 36	0 39	5 58	0 55	22 11	1 28	6 29	6 15	13 39	17 5	2 51						
S 22	23 25	3 42	2 42	24 46	1 46	20 59	0 58	14 19	0 58	6 38	1 12	19 52	0 27	6 36	0 39	5 58	0 55	22 10	1 29	6 28	6 14	13 37	17 5	2 52						
S 23	23 24	0n44	1 35	24 39	1 50	21 12	0 56	14 33	0 58	6 36	1 12	19 50	0 27	6 37	0 39	5 58	0 55	22 10	1 29	6 28	6 13	13 36	17 6	2 52						
M24	23 23	5 2	0 25	24 29	1 52	21 24	0 53	14 46	0 57	6 33	1 12	19 49	0 27	6 38	0 39	5 58	0 55	22 10	1 29	6 28	6 12	13 35	17 6	2 52						
T 25	23 22	8 59	0s46	24 17	1 54	21 35	0 51	15 0	0 57	6 30	1 12	19 47	0 27	6 38	0 39	5 59	0 55	22 10	1 29	6 28	6 11	13 33	17 7	2 52						
W26	23 20	12 25	1 52	24 3	1 56	21 46	0 49	15 13	0 56	6 27	1 12	19 45	0 27	6 39	0 39	5 59	0 55	22 9	1 29	6 27	6 9	13 32	17 8	2 52						
T 27	23 17	15 11	2 51	23 47	1 56	21 56	0 46	15 27	0 55	6 23	1 11	19 44	0 27	6 39	0 39	5 59	0 55	22 9	1 29	6 26	6 8	13 31	17 8	2 53						
F 28	23 15	17 11	3 41	23 29	1 56	22 5	0 44	15 40	0 55	6 20	1 11	19 42	0 27	6 39	0 40	5 59	0 55	22 9	1 29	6 23	6 7	13 29	17 9	2 53						
S 29	23 12	18 21	4 20	23 9	1 55	22 14	0 42	15 53	0 54	6 17	1 11	19 41	0 27	6 40	0 40	5 59	0 55	22 9	1 29	6 19	6 6	13 28	17 9	2 53						
S 30	23n 8	18n38	4s46	22n48	1n54	22n22	0s39	16n 6	0s54	6n14	1n11	19n39	0n27	6n40	0s40	5s59	0s55	22n 8	1n29	6s15	6s 4	13n26	17n10	2s53						

ASTRODIENST EPHEMERIS for the year 2182
geocentric

JULY 2182

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	18 37 7	9 ⁵³ 0'09	10 ⁵⁸ 8	27 ⁵³ 43	21 ¹¹ 3	17 ⁸ 57	17 ¹⁷ 6	4 ⁸ 15	18 ⁷ 37	16 ⁸ 59	27 ⁵³ 16	15 ⁸ 40	15 ⁵ 24	9 ⁸ 4	29 ⁸ 23	M 1
T 2	18 41 4	10 ²⁷ 24	22 ⁰ 9	29 ⁰ 28	22 ¹⁶	18 ⁴⁰	17 ¹⁴	4 ²²	18 ³⁸	16 ⁸ 58	27 ¹⁸	15 ⁵ 27	15 ²⁰	9 ¹⁰	29 ²⁷	T 2
W 3	18 45 1	11 ²⁴ 38	4 ⁸ 3	1 ⁸ 10	23 ³⁰	19 ²⁴	17 ²²	4 ²⁹	18 ³⁹	16 ⁵⁸	27 ¹⁹	15 ¹⁴	15 ¹⁷	9 ¹⁷	29 ³⁰	W 3
T 4	18 48 57	12 ²¹ 52	15 ⁵⁵	2 ⁵⁰	24 ⁴³	20 ⁷	17 ³¹	4 ³⁷	18 ⁴⁰	16 ⁵⁷	27 ²¹	15 ²	15 ¹⁴	9 ²⁴	29 ³⁴	T 4
F 5	18 52 54	13 ¹⁹ 06	27 ⁴⁴	4 ²⁹	25 ⁵⁶	20 ⁵⁰	17 ³⁹	4 ⁴⁴	18 ⁴¹	16 ⁵⁷	27 ²²	14 ⁵⁴	15 ¹¹	9 ³¹	29 ³⁷	F 5
S 6	18 56 50	14 ¹⁶ 20	9 ¹⁷ 35	6 ⁴	27 ⁹	21 ³³	17 ⁴⁸	4 ⁵¹	18 ⁴²	16 ⁵⁶	27 ²⁴	14 ⁴⁸	15 ⁸	9 ³⁷	29 ⁴⁰	S 6
S 7	19 0 47	15 ¹³ 33	21 ³²	7 ³⁸	28 ²²	22 ¹⁶	17 ⁵⁷	4 ⁵⁹	18 ⁴³	16 ⁵⁶	27 ²⁶	14 ⁴⁴	15 ⁵	9 ⁴⁴	29 ⁴⁴	S 7
M 8	19 4 43	16 ¹⁰ 46	3 ⁵ 38	9 ⁹	29 ³⁵	22 ⁵⁹	18 ⁵	5 ⁶	18 ⁴⁴	16 ⁵⁵	27 ²⁷	14 ⁴³	15 ¹	9 ⁵¹	29 ⁴⁷	M 8
T 9	19 8 40	17 ⁷ 59	15 ⁵⁹	10 ³⁹	0 ⁵⁴ 8	23 ⁴²	18 ¹⁴	5 ¹⁴	18 ⁴⁵	16 ⁵⁵	27 ²⁹	14 ⁴³	14 ⁵⁸	9 ⁵⁷	29 ⁵⁰	T 9
W10	19 12 36	18 ⁰ 511	28 ⁴⁰	12 ⁶	2 ¹	24 ²⁵	18 ²³	5 ²¹	18 ⁴⁵	16 ⁵⁴	27 ³⁰	14 ⁴³	14 ⁵⁵	10 ⁴	29 ⁵³	W10
T 11	19 16 33	19 ⁰ 2'23	11 ¹⁸ 45	13 ³⁰	3 ¹⁵	25 ⁷	18 ³²	5 ²⁹	18 ⁴⁶	16 ⁵³	27 ³²	14 ⁴¹	14 ⁵²	10 ¹¹	29 ⁵⁶	T 11
F 12	19 20 30	19 ⁵⁹ 35	25 ¹⁹	14 ⁵²	4 ²⁸	25 ⁵⁰	18 ⁴²	5 ³⁶	18 ⁴⁷	16 ⁵³	27 ³⁴	14 ³⁸	14 ⁴⁹	10 ¹⁸	29 ⁵⁹	F 12
S 13	19 24 26	20 ⁵⁶ 48	9 ² 22	16 ¹²	5 ⁴¹	26 ³³	18 ⁵¹	5 ⁴⁴	18 ⁴⁷	16 ⁵²	27 ³⁵	14 ³²	14 ⁴⁵	10 ²⁴	0 ¹¹ 3	S 13
S 14	19 28 23	21 ⁵⁴ 00	23 ⁵⁴	17 ³⁰	6 ⁵⁴	27 ¹⁵	19 ⁰	5 ⁵¹	18 ⁴⁸	16 ⁵¹	27 ³⁷	14 ²⁴	14 ⁴²	10 ³¹	0 ⁶	S 14
M15	19 32 19	22 ⁵¹ 12	8 ³ 50	18 ⁴⁵	8 ⁸	27 ⁵⁷	19 ¹⁰	5 ⁵⁹	18 ⁴⁸	16 ⁵⁰	27 ³⁸	14 ¹⁴	14 ³⁹	10 ³⁸	0 ⁹	M15
T 16	19 36 16	23 ⁴⁸ 24	24 ²	19 ⁵⁷	9 ²¹	28 ⁴⁰	19 ²⁰	6 ⁷	18 ⁴⁹	16 ⁵⁰	27 ⁴⁰	14 ³	14 ³⁶	10 ⁴⁴	0 ¹²	T 16
W17	19 40 12	24 ⁴⁵ 37	9 ² 19	21 ⁷	10 ³⁴	29 ²²	19 ²⁹	6 ¹⁴	18 ⁴⁹	16 ⁴⁹	27 ⁴²	13 ⁵³	14 ³³	10 ⁵¹	0 ¹⁵	W17
T 18	19 44 9	25 ⁴² 49	24 ²⁹	22 ¹⁵	11 ⁴⁸	0 ¹¹ 4	19 ³⁹	6 ²²	18 ⁴⁹	16 ⁴⁸	27 ⁴³	13 ⁴⁵	14 ³⁰	10 ⁵⁸	0 ¹⁷	T 18
F 19	19 48 5	26 ⁴⁰ 03	9 ⁸ 24	23 ¹⁹	13 ¹	0 ⁴⁶	19 ⁴⁹	6 ³⁰	18 ⁵⁰	16 ⁴⁷	27 ⁴⁵	13 ³⁹	14 ²⁶	11 ⁵	0 ²⁰	F 19
S 20	19 52 2	27 ³⁷ 16	23 ⁵⁶	24 ²¹	14 ¹⁴	1 ²⁸	19 ⁵⁹	6 ³⁷	18 ⁵⁰	16 ⁴⁶	27 ⁴⁶	13 ³⁶	14 ²³	11 ¹¹	0 ²³	S 20
S 21	19 55 59	28 ³⁴ 31	8 ⁷ 2	25 ²⁰	15 ²⁸	2 ¹⁰	20 ⁹	6 ⁴⁵	18 ⁵⁰	16 ⁴⁵	27 ⁴⁸	13 ³⁵	14 ²⁰	11 ¹⁸	0 ²⁶	S 21
M22	19 59 55	29 ³¹ 46	21 ⁴³	26 ¹⁶	16 ⁴¹	2 ⁵²	20 ¹⁹	6 ⁵³	18 ⁵⁰	16 ⁴⁴	27 ⁵⁰	13 ³⁵	14 ¹⁷	11 ²⁵	0 ²⁸	M22
T 23	20 3 52	0 ⁸ 29'02	4 ⁸ 59	27 ⁸	17 ⁵⁵	3 ³⁴	20 ³⁰	7 ⁰	18 ⁵⁰	16 ⁴³	27 ⁵¹	13 ³⁵	14 ¹⁴	11 ³¹	0 ³¹	T 23
W24	20 7 48	1 ²⁶ 19	17 ⁵³	27 ⁵⁸	19 ⁸	4 ¹⁵	20 ⁴⁰	7 ⁸	18 ⁵⁰	16 ⁴²	27 ⁵³	13 ³⁴	14 ¹¹	11 ³⁸	0 ³⁴	W24
T 25	20 11 45	2 ²³ 36	0 ¹¹ 30	28 ⁴⁴	20 ²²	4 ⁵⁷	20 ⁵⁰	7 ¹⁶	18 ⁵⁰	16 ⁴¹	27 ⁵⁵	13 ³¹	14 ⁷	11 ⁴⁵	0 ³⁶	T 25
F 26	20 15 41	3 ²⁰ 54	12 ⁵⁴	29 ²⁶	21 ³⁵	5 ³⁸	21 ¹	7 ²⁴	18 ⁵⁰	16 ⁴⁰	27 ⁵⁶	13 ²⁵	14 ⁴	11 ⁵¹	0 ³⁹	F 26
S 27	20 19 38	4 ¹⁸ 14	25 ⁶	0 ¹⁷ 5	22 ⁴⁹	6 ²⁰	21 ¹¹	7 ³¹	18 ⁵⁰	16 ³⁹	27 ⁵⁸	13 ¹⁷	14 ¹	11 ⁵⁸	0 ⁴¹	S 27
S 28	20 23 34	5 ¹⁵ 34	7 ⁵ 11	0 ⁴⁰	24 ³	7 ¹	21 ²²	7 ³⁹	18 ⁵⁰	16 ³⁸	27 ⁵⁹	13 ⁶	13 ⁵⁸	12 ⁵	0 ⁴⁴	S 28
M29	20 27 31	6 ¹² 54	19 ⁹	1 ¹⁰	25 ¹⁶	7 ⁴²	21 ³³	7 ⁴⁷	18 ⁵⁰	16 ³⁷	28 ¹	12 ⁵⁴	13 ⁵⁵	12 ¹²	0 ⁴⁶	M29
T 30	20 31 28	7 ¹⁰ 16	1 ⁸ 3	1 ³⁷	26 ³⁰	8 ²³	21 ⁴⁴	7 ⁵⁵	18 ⁴⁹	16 ³⁶	28 ³	12 ⁴²	13 ⁵¹	12 ¹⁸	0 ⁴⁸	T 30
W31	20 35 24	8 ⁸ 7'38	12 ⁸ 55	1 ¹⁷ 59	27 ⁵⁴	9 ¹¹ 5	21 ¹⁷ 54	8 ⁸ 2	18 ⁷ 49	16 ³⁴	28 ⁵ 4	12 ⁴² 30	13 ⁵ 48	12 ²⁵	0 ¹¹ 50	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl
M 1	23n 4	18n 4	4s58	22n25	1n51	22n30	0s37	16n19	0s53	6n11	1n11	19n37	0n28	6n41	0s40	5s59	0s56	22n 8	1n29	6s10	6s 3	13n25	17n11	2s53										
T 2	23 0	16 42	4 58	22 1	1 49	22 37	0 34	16 31	0 53	6 7	1 11	19 36	0 28	6 41	0 40	6 0	0 56	22 8	1 29	6 4	6 2	13 24	17 11	2 53										
W 3	22 55	14 37	4 44	21 35	1 45	22 43	0 32	16 43	0 52	6 4	1 11	19 34	0 28	6 41	0 40	6 0	0 56	22 8	1 29	5 59	6 1	13 22	17 12	2 54										
T 4	22 50	11 56	4 18	21 8	1 41	22 49	0 29	16 56	0 51	6 1	1 10	19 32	0 28	6 42	0 40	6 0	0 56	22 7	1 29	5 55	6 0	13 21	17 12	2 54										
F 5	22 45	8 47	3 41	20 41	1 36	22 54	0 27	17 8	0 51	5 57	1 10	19 31	0 28	6 42	0 40	6 0	0 56	22 7	1 29	5 52	5 58	13 20	17 13	2 54										
S 6	22 39	5 16	2 54	20 12	1 31	22 58	0 24	17 19	0 50	5 54	1 10	19 29	0 28	6 42	0 40	6 0	0 56	22 7	1 29	5 49	5 57	13 18	17 13	2 54										
S 7	22 33	1 32	1 59	19 43	1 25	23 2	0 22	17 31	0 49	5 50	1 10	19 27	0 28	6 43	0 40	6 1	0 56	22 7	1 29	5 48	5 56	13 17	17 14	2 55										
M 8	22 26	2s20	0 58	19 13	1 19	23 5	0 19	17 43	0 49	5 47	1 10	19 25	0 28	6 43	0 40	6 1	0 56	22 6	1 29	5 48	5 55	13 15	17 14	2 55										
T 9	22 19	6 11	0n 7	18 42	1 12	23 8	0 17	17 54	0 48	5 43	1 10	19 24	0 28	6 43	0 40	6 1	0 56	22 6	1 29	5 47	5 53	13 14	17 15	2 55										
W10	22 12	9 51	1 13	18 11	1 4	23 9	0 14	18 5	0 48	5 39	1 10	19 22	0 28	6 44	0 40	6 2	0 56	22 6	1 29	5 47	5 52	13 13	17 15	2 55										
T 11	22 4	13 9	2 18	17 39	0 56	23 10	0 12	18 16	0 47	5 36	1 9	19 20	0 28	6 44	0 40	6 2	0 56	22 6	1 30	5 47	5 51	13 11	17 15	2 55										
F 12	21 56	15 53	3 17	17 7	0 48	23 11	0 9	18 27	0 46	5 32	1 9	19 18	0 28	6 44	0 40	6 2	0 56	22 5	1 30	5 46	5 50	13 10	17 16	2 56										
S 13	21 47	17 46	4 7	16 35	0 39	23 11	0 7	18 37	0 45	5 28	1 9	19 17	0 28	6 44	0 40	6 2	0 56	22 5	1 30	5 43	5 49	13 8	17 16	2 56										
S 14	21 38	18 35	4 42	16 3	0 30	23 10	0 4	18 48	0 45	5 24	1 9	19 15	0 28	6 44	0 40	6 3	0 56	22 5	1 30	5 40	5 47	13 7	17 17	2 56										
M15	21 29	18 8	5 0	15 31	0 20	23 8	0 2	18 58	0 44	5 20	1 9	19 13	0 29	6 44	0 40	6 3	0 56	22 5	1 30	5 36	5 46	13 6	17 17	2 56										
T 16	21 19	16 25	4 56	14 58	0 10	23 6	0n 1	19 8	0 43	5 16	1 9	19 11	0 29	6 45	0 40	6 3	0 56	22 4	1 30	5 32	5 45	13 4	17 18	2 56										
W17	21 9	13 32	4 32	14 26	0s 0	23 3	0 3	19 18	0 43	5 13	1 9	19 9	0 29	6 45	0 40	6 4	0 56	22 4	1 30	5 28	5 44	13 3	17 18	2 57										
T 18	20 59	9 45	3 49	13 54	0 11	22 59	0 6	19 28	0 42	5 9	1 9	19 7	0 29	6 45	0 40	6 4	0 56	22 4	1 30	5 25	5 42	13 1	17 18	2 57										
F 19	20 48	5 24	2 50	13 23	0 22	22 55	0 8	19 37	0 41	5 5	1 8	19 6	0 29	6 45	0 40	6 5	0 56	22 4	1 30	5 23	5 41	13 0	17 19	2 57										
S 20	20 37	0 51	1 42	12 52	0 34	22 50	0 11	19 46	0 41	5 1	1 8	19 4	0 29	6 45	0 40	6 5	0 56	22 3	1 30	5 22	5 40	12 59	17 19	2 57										
S 21	20 25	3n38	0 29	12 21	0 46	22 44	0 13	19 55	0 40	4 56	1 8	19 2	0 29	6 45	0 40	6 5	0 56	22 3	1 30	5 21	5 39	12 57	17 19	2 58										
M22	20 14	7 47	0s43	11 51	0 58	22 38	0 15	20 4	0 39	4 52	1 8	19 0	0 29	6 45	0 40	6 6	0 56	22 3	1 30	5 21	5 38	12 56	17 20	2 58										
T 23	20 1	11 25	1 51	11 21	1 10	22 31	0 18	20 13	0 38	4 48	1 8	18 58	0 29	6 45	0 40	6 6	0 56	22 3	1 30	5 21	5 36	12 54	17 20	2 58										
W24	19 49	14 24	2 51	10 53	1 22	22 23	0 20	20 21	0 37	4 44	1 8	18 56	0 29	6 45	0 40	6 7	0 56	22 2	1 30	5 21	5 35	12 53	17 20	2 58										
T 25	19 36	16 37	3 42	10 25	1 35	22 15	0 22	20 30	0 37	4 40	1 8	18 54	0 29	6 45	0 40	6 7	0 56	22 2	1 30	5 20	5 34	12 52	17 20	2 59										
F 26	19 23	18 0	4 21	9 58	1 48	22 6	0 25	20 38	0 36	4 36	1 8	18 53	0 29	6 45	0 40	6 7	0 56	22 2	1 30	5 17	5 33	12 50	17 21	2 59										
S 27	19 10	18 32	4 47	9 33	2 1	21 56	0 27	20 46	0 35	4 31	1 7	18 51	0 29	6 45	0 40	6 8	0 56	22 1	1 31	5 14	5 31	12 49	17 21	2 59										
S 28	18 56	18 13	5 1	9 8	2 14	21 46	0 29	20 54	0 34	4 27	1 7	18 49	0 30	6 45	0 40	6 8	0 56	22 1	1 31	5 10	5 30	12 47	17 21	2 59										
M29	18 42	17 5	5 0	8 45	2 27	21 35	0 32	21 1	0 34	4 23	1 7	18 47	0 30	6 45	0 40	6 9	0 57	22 1	1 31	5 5	5 29	12 46	17 21	3 0										
T 30	18 28	15 14	4 47	8 23	2 40	21 23	0 34	21 8	0 33	4 18	1 7	18 45	0 30	6 45	0 40	6 9	0 57	22 1	1 31	5 1	5 28	12 44	17 22	3 0										
W31	18n13	12n44	4s21	8n 3	2s53	21n11	0n36	21n16	0s32	4n14	1n 7	18n43	0n30	6n44	0s40	6s10	0s57	22n 0	1n31	4s56	5s26	12n43	17n22	3s 0										

ASTRODIENST EPHEMERIS for the year 2182

geocentric

AUGUST 2182

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 39 21	9♌ 5'00	24♌45	2♈17	28♊57	9♈45	22♈5	8♌10	18°R49	16°R33	28♊6	12°R20	13♌45	12♌32	0♈53	T 1
F 2	20 43 17	10° 2'24	6♈36	2°30	0♌11	10°26	22°16	8°18	18°Y48	16°K32	28° 7	12♌13	13°42	12°38	0°55	F 2
S 3	20 47 14	10°59'48	18°29	2°38	1°25	11° 7	22°28	8°26	18°48	16°31	28° 9	12° 7	13°39	12°45	0°57	S 3
S 4	20 51 10	11°57'13	0♌29	2°R41	2°39	11°48	22°39	8°33	18°47	16°29	28°11	12° 5	13°36	12°52	0°59	S 4
M 5	20 55 7	12°54'38	12°38	2°39	3°52	12°28	22°50	8°41	18°47	16°28	28°12	12°D 4	13°32	12°59	1° 1	M 5
T 6	20 59 3	13°52'04	25° 0	2°31	5° 6	13° 9	23° 1	8°49	18°46	16°27	28°14	12° 4	13°29	13° 5	1° 3	T 6
W 7	21 3 0	14°49'31	7♈39	2°19	6°20	13°49	23°13	8°56	18°46	16°25	28°15	12° 5	13°26	13°12	1° 5	W 7
T 8	21 6 56	15°46'58	20°41	2° 1	7°34	14°29	23°24	9° 4	18°45	16°24	28°17	12°R 5	13°23	13°19	1° 6	T 8
F 9	21 10 53	16°44'26	4♈9	1°38	8°48	15° 9	23°35	9°12	18°44	16°23	28°18	12° 4	13°20	13°25	1° 8	F 9
S 10	21 14 50	17°41'55	18° 5	1°10	10° 2	15°49	23°47	9°20	18°43	16°21	28°20	12° 0	13°16	13°32	1°10	S 10
S 11	21 18 46	18°39'25	2♊29	0°37	11°16	16°29	23°59	9°27	18°42	16°20	28°22	11°55	13°13	13°39	1°11	S 11
M12	21 22 43	19°36'55	17°18	0° 0	12°30	17° 9	24°10	9°35	18°42	16°18	28°23	11°48	13°10	13°45	1°13	M12
T 13	21 26 39	20°34'27	2♊26	29♌20	13°44	17°49	24°22	9°43	18°41	16°17	28°25	11°41	13° 7	13°52	1°14	T 13
W14	21 30 36	21°31'59	17°43	28°35	14°58	18°29	24°34	9°50	18°40	16°16	28°26	11°33	13° 4	13°59	1°16	W14
T 15	21 34 32	22°29'32	2♈58	27°48	16°12	19° 8	24°46	9°58	18°39	16°14	28°28	11°27	13° 1	14° 6	1°17	T 15
F 16	21 38 29	23°27'07	18° 1	27° 0	17°26	19°48	24°57	10° 5	18°38	16°13	28°29	11°23	12°57	14°12	1°19	F 16
S 17	21 42 26	24°24'43	2°Y44	26°10	18°40	20°27	25° 9	10°13	18°37	16°11	28°31	11°21	12°54	14°19	1°20	S 17
S 18	21 46 22	25°22'20	17° 0	25°20	19°54	21° 6	25°21	10°21	18°35	16°10	28°32	11°D21	12°51	14°26	1°21	S 18
M19	21 50 19	26°19'59	0♈49	24°31	21° 8	21°45	25°33	10°28	18°34	16° 8	28°34	11°22	12°48	14°32	1°22	M19
T 20	21 54 15	27°17'39	14°11	23°43	22°22	22°24	25°45	10°36	18°33	16° 7	28°35	11°23	12°45	14°39	1°23	T 20
W21	21 58 12	28°15'21	27° 8	22°59	23°36	23° 3	25°58	10°43	18°32	16° 5	28°36	11°R24	12°42	14°46	1°24	W21
T 22	22 2 8	29°13'04	9♈45	22°18	24°50	23°42	26°10	10°51	18°31	16° 4	28°38	11°24	12°38	14°52	1°25	T 22
F 23	22 6 5	0♈10'49	22° 5	21°42	26° 4	24°20	26°22	10°58	18°29	16° 2	28°39	11°21	12°35	14°59	1°26	F 23
S 24	22 10 1	1° 8'36	4♊13	21°12	27°19	24°59	26°34	11° 6	18°28	16° 0	28°41	11°17	12°32	15° 6	1°27	S 24
S 25	22 13 58	2° 6'25	16°12	20°47	28°33	25°37	26°46	11°13	18°26	15°59	28°42	11°12	12°29	15°13	1°28	S 25
M26	22 17 54	3° 4'15	28° 6	20°29	29°47	26°16	26°59	11°21	18°25	15°57	28°44	11° 5	12°26	15°19	1°29	M26
T 27	22 21 51	4° 2'06	9♌57	20°19	1♈1	26°54	27°11	11°28	18°23	15°56	28°45	10°58	12°22	15°26	1°29	T 27
W28	22 25 48	4°59'59	21°47	20°D16	2°16	27°32	27°24	11°35	18°22	15°54	28°46	10°51	12°19	15°33	1°30	W28
T 29	22 29 44	5°57'54	3♈40	20°21	3°30	28°10	27°36	11°43	18°20	15°52	28°48	10°46	12°16	15°39	1°31	T 29
F 30	22 33 41	6°55'50	15°36	20°34	4°44	28°47	27°48	11°50	18°19	15°51	28°49	10°42	12°13	15°46	1°31	F 30
S 31	22 37 37	7♈53'47	27♈37	20♌55	5♈59	29♈25	28♈1	11♌57	18°Y17	15°K49	28♊50	10♌39	12♌10	15♌53	1♈31	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
T 1	17n58	9n44	3s44	7n45	3s 6	20n58	0n38	21n23	0s31	4n10	1n 7	18n41	0n30	6n44
F 2	17 43	6 20	2 57	7 29	3 19	20 45	0 40	21 29	0 30	4 5	1 7	18 39	0 30	6 44
S 3	17 27	2 40	2 3	7 15	3 31	20 31	0 42	21 36	0 29	4 1	1 7	18 37	0 30	6 44
S 4	17 11	1s 8	1 2	7 2	3 43	20 16	0 45	21 42	0 29	3 56	1 7	18 35	0 30	6 44
M 5	16 55	4 56	0n 3	6 53	3 54	20 1	0 47	21 48	0 28	3 52	1 7	18 33	0 30	6 43
T 6	16 39	8 36	1 9	6 45	4 5	19 45	0 49	21 54	0 27	3 47	1 7	18 31	0 30	6 43
W 7	16 22	11 57	2 13	6 40	4 15	19 29	0 50	22 0	0 26	3 43	1 6	18 29	0 30	6 43
T 8	16 5	14 49	3 12	6 38	4 24	19 12	0 52	22 6	0 25	3 38	1 6	18 28	0 30	6 43
F 9	15 48	16 59	4 2	6 39	4 32	18 55	0 54	22 11	0 24	3 33	1 6	18 26	0 31	6 42
S 10	15 31	18 13	4 41	6 42	4 39	18 37	0 56	22 16	0 23	3 29	1 6	18 24	0 31	6 42
S 11	15 13	18 21	5 3	6 48	4 44	18 18	0 58	22 21	0 22	3 24	1 6	18 22	0 31	6 42
M12	14 55	17 15	5 5	6 57	4 49	17 59	1 0	22 26	0 22	3 19	1 6	18 20	0 31	6 41
T 13	14 37	14 56	4 47	7 9	4 51	17 40	1 1	22 31	0 21	3 15	1 6	18 18	0 31	6 41
W14	14 19	11 34	4 8	7 23	4 52	17 20	1 3	22 35	0 20	3 10	1 6	18 16	0 31	6 41
T 15	14 0	7 25	3 12	7 40	4 51	16 59	1 4	22 39	0 19	3 5	1 6	18 14	0 31	6 40
F 16	13 41	2 51	2 3	7 59	4 49	16 38	1 6	22 43	0 18	3 1	1 6	18 12	0 31	6 40
S 17	13 22	1n48	0 46	8 20	4 44	16 17	1 7	22 47	0 17	2 56	1 6	18 10	0 31	6 39
S 18	13 3	6 12	0s31	8 42	4 38	15 55	1 9	22 51	0 16	2 51	1 6	18 8	0 31	6 39
M19	12 44	10 8	1 43	9 6	4 29	15 33	1 10	22 54	0 15	2 46	1 6	18 6	0 31	6 38
T 20	12 24	13 24	2 48	9 31	4 19	15 10	1 11	22 58	0 14	2 41	1 6	18 4	0 32	6 38
W21	12 4	15 53	3 42	9 56	4 7	14 47	1 13	23 1	0 13	2 36	1 5	18 2	0 32	6 37
T 22	11 44	17 32	4 24	10 22	3 54	14 23	1 14	23 4	0 12	2 32	1 5	18 0	0 32	6 37
F 23	11 24	18 18	4 53	10 47	3 40	13 59	1 15	23 6	0 11	2 27	1 5	17 58	0 32	6 36
S 24	11 3	18 13	5 8	11 12	3 24	13 35	1 16	23 9	0 10	2 22	1 5	17 56	0 32	6 36
S 25	10 43	17 19	5 9	11 35	3 7	13 10	1 17	23 11	0 9	2 17	1 5	17 54	0 32	6 35
M26	10 22	15 40	4 57	11 57	2 50	12 45	1 18	23 14	0 8	2 12	1 5	17 52	0 32	6 35
T 27	10 1	13 22	4 32	12 18	2 32	12 20	1 19	23 16	0 7	2 7	1 5	17 50	0 32	6 34
W28	9 40	10 31	3 55	12 36	2 14	11 54	1 20	23 17	0 6	2 2	1 5	17 49	0 32	6 33
T 29	9 19	7 14	3 8	12 52	1 56	11 28	1 21	23 19	0 5	1 57	1 5	17 47	0 33	6 33
F 30	8 57	3 38	2 13	13 5	1 37	11 1	1 21	23 21	0 4	1 52	1 5	17 45	0 33	6 32
S 31	8n36	0s 8	1s11	13n16	1s19	10n35	1n22	23n22	0s 3	1n47	1n 5	17n43	0n33	6n32

Julian Day Number = 2518231.5, Delta T = 146.92 sec
 Ecliptic obliquity = 23°24'47, Nutation = 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°17'30, Lahiri = 26°24'31

ASTRODIENST EPHEMERIS for the year 2182

geocentric

SEPTEMBER 2182

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 34	8 ^h 51'46	9 ^h 45	21 ^h 24	7 ^h 13	0 ^h 3	28 ^h 14	12 ^h 4	18 ^h R15	15 ^h R47	28 ^h 52	10 ^h D38	12 ^h 7	15 ^h 59	1 ^h 32	S 1
M 2	22 45 30	9 ^h 49'47	22 ^h 3	22 ^h 1	8 ^h 27	0 ^h 40	28 ^h 26	12 ^h 11	18 ^h Y14	15 ^h Y46	28 ^h 53	10 ^h 39	12 ^h 3	16 ^h 6	1 ^h 32	M 2
T 3	22 49 27	10 ^h 47'49	4 ^h 33	22 ^h 46	9 ^h 42	1 ^h 17	28 ^h 39	12 ^h 19	18 ^h 12	15 ^h 44	28 ^h 54	10 ^h 40	12 ^h 0	16 ^h 13	1 ^h 32	T 3
W 4	22 53 23	11 ^h 45'52	17 ^h 19	23 ^h 38	10 ^h 56	1 ^h 54	28 ^h 51	12 ^h 26	18 ^h 10	15 ^h 43	28 ^h 55	10 ^h 42	11 ^h 57	16 ^h 20	1 ^h 33	W 4
T 5	22 57 20	12 ^h 43'57	0 ^h 23	24 ^h 38	12 ^h 11	2 ^h 31	29 ^h 4	12 ^h 33	18 ^h 8	15 ^h 41	28 ^h 57	10 ^h 43	11 ^h 54	16 ^h 26	1 ^h 33	T 5
F 6	23 1 17	13 ^h 42'03	13 ^h 48	25 ^h 44	13 ^h 25	3 ^h 8	29 ^h 17	12 ^h 40	18 ^h 6	15 ^h 39	28 ^h 58	10 ^h R44	11 ^h 51	16 ^h 33	1 ^h R33	F 6
S 7	23 5 13	14 ^h 40'10	27 ^h 36	26 ^h 57	14 ^h 40	3 ^h 45	29 ^h 29	12 ^h 47	18 ^h 4	15 ^h 38	28 ^h 59	10 ^h 43	11 ^h 48	16 ^h 40	1 ^h 33	S 7
S 8	23 9 10	15 ^h 38'19	11 ^h 348	28 ^h 16	15 ^h 54	4 ^h 21	29 ^h 42	12 ^h 54	18 ^h 3	15 ^h 36	29 ^h 0	10 ^h 41	11 ^h 44	16 ^h 46	1 ^h 33	S 8
M 9	23 13 6	16 ^h 36'30	26 ^h 21	29 ^h 41	17 ^h 9	4 ^h 58	29 ^h 55	13 ^h 1	18 ^h 1	15 ^h 34	29 ^h 1	10 ^h 39	11 ^h 41	16 ^h 53	1 ^h 32	M 9
T 10	23 17 3	17 ^h 34'41	11 ^h 3411	1 ^h 10	18 ^h 23	5 ^h 34	0 ^h 8	13 ^h 8	17 ^h 59	15 ^h 33	29 ^h 3	10 ^h 36	11 ^h 38	17 ^h 0	1 ^h 32	T 10
W11	23 20 59	18 ^h 32'55	26 ^h 13	2 ^h 44	19 ^h 38	6 ^h 10	0 ^h 21	13 ^h 14	17 ^h 57	15 ^h 31	29 ^h 4	10 ^h 33	11 ^h 35	17 ^h 6	1 ^h 32	W11
T 12	23 24 56	19 ^h 31'09	11 ^h 316	4 ^h 22	20 ^h 52	6 ^h 46	0 ^h 33	13 ^h 21	17 ^h 55	15 ^h 29	29 ^h 5	10 ^h 30	11 ^h 32	17 ^h 13	1 ^h 32	T 12
F 13	23 28 52	20 ^h 29'26	26 ^h 13	6 ^h 3	22 ^h 7	7 ^h 22	0 ^h 46	13 ^h 28	17 ^h 53	15 ^h 28	29 ^h 6	10 ^h 29	11 ^h 28	17 ^h 20	1 ^h 31	F 13
S 14	23 32 49	21 ^h 27'44	10 ^h Y55	7 ^h 47	23 ^h 21	7 ^h 58	0 ^h 59	13 ^h 35	17 ^h 50	15 ^h 26	29 ^h 7	10 ^h D29	11 ^h 25	17 ^h 27	1 ^h 31	S 14
S 15	23 36 46	22 ^h 26'05	25 ^h 15	9 ^h 34	24 ^h 36	8 ^h 33	1 ^h 12	13 ^h 41	17 ^h 48	15 ^h 24	29 ^h 8	10 ^h 29	11 ^h 22	17 ^h 33	1 ^h 30	S 15
M16	23 40 42	23 ^h 24'27	9 ^h 8	11 ^h 22	25 ^h 50	9 ^h 8	1 ^h 25	13 ^h 48	17 ^h 46	15 ^h 23	29 ^h 9	10 ^h 30	11 ^h 19	17 ^h 40	1 ^h 30	M16
T 17	23 44 39	24 ^h 22'51	22 ^h 38	13 ^h 12	27 ^h 5	9 ^h 44	1 ^h 38	13 ^h 54	17 ^h 44	15 ^h 21	29 ^h 10	10 ^h 31	11 ^h 16	17 ^h 47	1 ^h 29	T 17
W18	23 48 35	25 ^h 21'18	5 ^h 11	15 ^h 3	28 ^h 20	10 ^h 19	1 ^h 51	14 ^h 1	17 ^h 42	15 ^h 20	29 ^h 11	10 ^h 32	11 ^h 13	17 ^h 53	1 ^h 28	W18
T 19	23 52 32	18 ^h 22	18 ^h 22	16 ^h 55	29 ^h 34	10 ^h 54	2 ^h 4	14 ^h 7	17 ^h 40	15 ^h 18	29 ^h 12	10 ^h 33	11 ^h 9	18 ^h 0	1 ^h 27	T 19
F 20	23 56 28	27 ^h 18'17	0 ^h 44	18 ^h 47	0 ^h 49	11 ^h 28	2 ^h 16	14 ^h 14	17 ^h 38	15 ^h 16	29 ^h 13	10 ^h R33	11 ^h 6	18 ^h 7	1 ^h 26	F 20
S 21	0 0 25	28 ^h 16'50	12 ^h 52	20 ^h 40	2 ^h 3	12 ^h 3	2 ^h 29	14 ^h 20	17 ^h 35	15 ^h 15	29 ^h 14	10 ^h 33	11 ^h 3	18 ^h 13	1 ^h 26	S 21
S 22	0 4 21	29 ^h 15'26	24 ^h 50	22 ^h 33	3 ^h 18	12 ^h 37	2 ^h 42	14 ^h 26	17 ^h 33	15 ^h 13	29 ^h 15	10 ^h 32	11 ^h 0	18 ^h 20	1 ^h 25	S 22
M23	0 8 18	0 ^h 14'03	6 ^h 42	24 ^h 25	4 ^h 33	13 ^h 11	2 ^h 55	14 ^h 32	17 ^h 31	15 ^h 12	29 ^h 16	10 ^h 31	10 ^h 57	18 ^h 27	1 ^h 24	M23
T 24	0 12 14	1 ^h 12'42	18 ^h 32	26 ^h 17	5 ^h 47	13 ^h 45	3 ^h 8	14 ^h 39	17 ^h 28	15 ^h 10	29 ^h 17	10 ^h 29	10 ^h 53	18 ^h 34	1 ^h 22	T 24
W25	0 16 11	2 ^h 11'24	0 ^h 24	28 ^h 8	7 ^h 2	14 ^h 19	3 ^h 21	14 ^h 45	17 ^h 26	15 ^h 8	29 ^h 18	10 ^h 28	10 ^h 50	18 ^h 40	1 ^h 21	W25
T 26	0 20 8	3 ^h 10'07	12 ^h 21	29 ^h 59	8 ^h 17	14 ^h 53	3 ^h 34	14 ^h 51	17 ^h 24	15 ^h 7	29 ^h 19	10 ^h 27	10 ^h 47	18 ^h 47	1 ^h 20	T 26
F 27	0 24 4	4 ^h 8'53	24 ^h 25	1 ^h 50	9 ^h 32	15 ^h 26	3 ^h 47	14 ^h 57	17 ^h 21	15 ^h 5	29 ^h 19	10 ^h 26	10 ^h 44	18 ^h 54	1 ^h 19	F 27
S 28	0 28 1	5 ^h 7'41	6 ^h 37	3 ^h 39	10 ^h 46	16 ^h 0	4 ^h 0	15 ^h 3	17 ^h 19	15 ^h 4	29 ^h 20	10 ^h D26	10 ^h 41	19 ^h 0	1 ^h 17	S 28
S 29	0 31 57	6 ^h 6'30	19 ^h 0	5 ^h 28	12 ^h 1	16 ^h 33	4 ^h 13	15 ^h 8	17 ^h 17	15 ^h 2	29 ^h 21	10 ^h 26	10 ^h 38	19 ^h 7	1 ^h 16	S 29
M30	0 35 54	7 ^h 5'22	1 ^h 35	7 ^h 16	13 ^h 16	17 ^h 56	4 ^h 26	15 ^h 14	17 ^h Y14	15 ^h Y1	29 ^h 22	10 ^h 26	10 ^h 34	19 ^h 14	1 ^h 15	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 2182

geocentric

OCTOBER 2182

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 50	8♌ 4'15	14♌22	9♌ 3	14♌31	17♌38	4♌39	15♌20	17°R12	14°R59	29♌23	10♌27	10♌31	19♌20	1°R13	T 1
W 2	0 43 47	9° 3'11	27°23	10°49	15°45	18°11	4°52	15°26	17°Y10	14°X58	29°23	10°27	10°28	19°27	1°I12	W 2
T 3	0 47 43	10° 2'08	10♌39	12°34	17° 0	18°43	5° 5	15°31	17° 7	14°56	29°24	10°27	10°25	19°34	1°10	T 3
F 4	0 51 40	11° 1'07	24°11	14°19	18°15	19°15	5°18	15°37	17° 5	14°55	29°25	10°R27	10°22	19°40	1° 8	F 4
S 5	0 55 37	12° 0'07	7♌58	16° 2	19°30	19°47	5°31	15°42	17° 2	14°53	29°25	10°D27	10°19	19°47	1° 6	S 5
S 6	0 59 33	12°59'10	22° 0	17°45	20°44	20°18	5°44	15°47	17° 0	14°52	29°26	10°27	10°15	19°54	1° 5	S 6
M 7	1 3 30	13°58'14	6♌17	19°27	21°59	20°50	5°57	15°53	16°58	14°51	29°26	10°27	10°12	20° 0	1° 3	M 7
T 8	1 7 26	14°57'19	20°45	21° 8	23°14	21°21	6°10	15°58	16°55	14°49	29°27	10°27	10° 9	20° 7	1° 1	T 8
W 9	1 11 23	15°56'27	5♌22	22°48	24°29	21°52	6°23	16° 3	16°53	14°48	29°28	10°28	10° 6	20°14	0°59	W 9
T 10	1 15 19	16°55'36	20° 1	24°27	25°44	22°23	6°35	16° 8	16°50	14°46	29°28	10°28	10° 3	20°21	0°57	T 10
F 11	1 19 16	17°54'47	4♌37	26° 6	26°58	22°53	6°48	16°13	16°48	14°45	29°29	10°R29	9°59	20°27	0°55	F 11
S 12	1 23 12	18°54'00	19° 3	27°44	28°13	23°23	7° 1	16°18	16°45	14°44	29°29	10°29	9°56	20°34	0°53	S 12
S 13	1 27 9	19°53'15	3♌14	29°21	29°28	23°53	7°14	16°23	16°43	14°43	29°30	10°28	9°53	20°41	0°51	S 13
M14	1 31 6	20°52'33	17° 6	0♌57	0♌43	24°23	7°27	16°28	16°41	14°41	29°30	10°27	9°50	20°47	0°48	M14
T 15	1 35 2	21°51'52	0♌35	2°33	1°58	24°52	7°40	16°32	16°38	14°40	29°30	10°26	9°47	20°54	0°46	T 15
W16	1 38 59	22°51'14	13°41	4° 8	3°12	25°22	7°52	16°37	16°36	14°39	29°31	10°24	9°44	21° 1	0°44	W16
T 17	1 42 55	23°50'38	26°26	5°42	4°27	25°51	8° 5	16°41	16°33	14°38	29°31	10°22	9°40	21° 7	0°42	T 17
F 18	1 46 52	24°50'04	8♌51	7°15	5°42	26°19	8°18	16°46	16°31	14°36	29°31	10°21	9°37	21°14	0°39	F 18
S 19	1 50 48	25°49'33	21° 1	8°48	6°57	26°48	8°30	16°50	16°28	14°35	29°32	10°D21	9°34	21°21	0°37	S 19
S 20	1 54 45	26°49'04	2♌59	10°20	8°12	27°16	8°43	16°54	16°26	14°34	29°32	10°21	9°31	21°27	0°34	S 20
M21	1 58 41	27°48'37	14°51	11°52	9°26	27°44	8°56	16°58	16°24	14°33	29°32	10°21	9°28	21°34	0°32	M21
T 22	2 2 38	28°48'12	26°42	13°23	10°41	28°11	9° 8	17° 2	16°21	14°32	29°33	10°23	9°25	21°41	0°29	T 22
W23	2 6 34	29°47'49	8♌35	14°53	11°56	28°39	9°21	17° 6	16°19	14°31	29°33	10°24	9°21	21°48	0°26	W23
T 24	2 10 31	0♌47'29	20°36	16°23	13°11	29° 6	9°33	17°10	16°17	14°30	29°33	10°26	9°18	21°54	0°24	T 24
F 25	2 14 28	1°47'11	2♌47	17°52	14°26	29°32	9°46	17°14	16°14	14°29	29°33	10°27	9°15	22° 1	0°21	F 25
S 26	2 18 24	2°46'55	15°11	19°20	15°41	29°59	9°58	17°18	16°12	14°28	29°33	10°R27	9°12	22° 8	0°18	S 26
S 27	2 22 21	3°46'41	27°51	20°48	16°56	0♌25	10°11	17°21	16°10	14°27	29°33	10°26	9° 9	22°14	0°16	S 27
M28	2 26 17	4°46'29	10♌47	22°15	18°10	0°50	10°23	17°25	16° 7	14°26	29°33	10°24	9° 5	22°21	0°13	M28
T 29	2 30 14	5°46'19	23°58	23°42	19°25	1°16	10°36	17°28	16° 5	14°25	29°33	10°20	9° 2	22°28	0°10	T 29
W30	2 34 10	6°46'11	7♌23	25° 7	20°40	1°41	10°48	17°32	16° 3	14°24	29°33	10°16	8°59	22°34	0° 7	W30
T 31	2 38 7	7♌46'05	21♌ 2	26♌32	21♌55	2♌ 5	11♌ 0	17♌35	16°Y 1	14°X24	29°R33	10♌12	8♌56	22♌41	0♌ 4	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s12	13s18	2n58	2s25	1n16	4s38	1n10	22n49	0n34	0s51	1n 5	16n48	0n37	6n 7	0s42	6s47
W 2	3 35	15 47	3 52	3 12	1 10	5 8	1 9	22 46	0 36	0 56	1 5	16 47	0 37	6 6	0 42	6 48
T 3	3 58	17 28	4 36	3 58	1 5	5 38	1 8	22 43	0 37	1 1	1 5	16 45	0 37	6 5	0 42	6 49
F 4	4 21	18 13	5 5	4 44	0 59	6 8	1 6	22 40	0 39	1 7	1 5	16 44	0 37	6 4	0 42	6 49
S 5	4 44	17 54	5 17	5 30	0 53	6 37	1 5	22 37	0 40	1 12	1 5	16 42	0 37	6 3	0 42	6 50
S 6	5 7	16 30	5 11	6 15	0 46	7 7	1 3	22 34	0 41	1 17	1 5	16 41	0 37	6 2	0 42	6 50
M 7	5 30	14 4	4 46	6 59	0 40	7 36	1 2	22 30	0 43	1 22	1 5	16 39	0 37	6 1	0 42	6 51
T 8	5 53	10 43	4 2	7 43	0 34	8 5	1 0	22 27	0 44	1 27	1 5	16 38	0 38	6 0	0 41	6 51
W 9	6 16	6 42	3 3	8 27	0 27	8 35	0 58	22 24	0 46	1 32	1 5	16 36	0 38	5 59	0 41	6 52
T 10	6 39	2 15	1 51	9 9	0 20	9 3	0 56	22 20	0 47	1 37	1 5	16 35	0 38	5 58	0 41	6 52
F 11	7 1	2n20	0 33	9 52	0 13	9 32	0 55	22 17	0 49	1 42	1 5	16 34	0 38	5 57	0 41	6 53
S 12	7 24	6 43	0s47	10 33	0 6	10 1	0 53	22 13	0 50	1 47	1 5	16 32	0 38	5 56	0 41	6 53
S 13	7 46	10 39	2 3	11 14	0s 0	10 29	0 51	22 9	0 52	1 52	1 5	16 31	0 38	5 55	0 41	6 54
M14	8 8	13 53	3 9	11 54	0 7	10 57	0 49	22 6	0 53	1 57	1 5	16 30	0 38	5 55	0 41	6 54
T 15	8 31	16 17	4 3	12 34	0 14	11 24	0 47	22 2	0 55	2 2	1 5	16 29	0 39	5 54	0 41	6 55
W16	8 53	17 44	4 43	13 13	0 21	11 52	0 45	21 58	0 56	2 7	1 5	16 27	0 39	5 53	0 41	6 55
T 17	9 15	18 15	5 7	13 51	0 28	12 19	0 43	21 54	0 58	2 12	1 5	16 26	0 39	5 52	0 41	6 56
F 18	9 36	17 51	5 16	14 28	0 35	12 46	0 41	21 50	1 0	2 17	1 5	16 25	0 39	5 51	0 41	6 56
S 19	9 58	16 39	5 11	15 5	0 42	13 13	0 39	21 46	1 1	2 22	1 5	16 24	0 39	5 50	0 41	6 57
S 20	10 20	14 44	4 52	15 41	0 49	13 39	0 36	21 43	1 3	2 27	1 5	16 23	0 39	5 49	0 41	6 57
M21	10 41	12 12	4 21	16 16	0 56	14 5	0 34	21 39	1 4	2 32	1 5	16 22	0 39	5 48	0 41	6 57
T 22	11 2	9 10	3 39	16 50	1 2	14 30	0 32	21 35	1 6	2 37	1 5	16 20	0 40	5 47	0 41	6 58
W23	11 23	5 45	2 47	17 23	1 9	14 56	0 30	21 31	1 8	2 41	1 5	16 19	0 40	5 46	0 41	6 58
T 24	11 44	2 5	1 47	17 55	1 16	15 21	0 27	21 27	1 9	2 46	1 5	16 18	0 40	5 46	0 41	6 59
F 25	12 5	1s45	0 42	18 27	1 22	15 45	0 25	21 23	1 11	2 51	1 5	16 17	0 40	5 45	0 41	6 59
S 26	12 25	5 34	0n26	18 57	1 28	16 9	0 23	21 19	1 13	2 56	1 5	16 16	0 40	5 44	0 41	6 59
S 27	12 46	9 14	1 34	19 27	1 34	16 33	0 20	21 15	1 15	3 1	1 5	16 15	0 40	5 43	0 41	7 0
M28	13 6	12 31	2 39	19 56	1 40	16 56	0 18	21 11	1 16	3 6	1 5	16 15	0 41	5 42	0 41	7 0
T 29	13 26	15 14	3 37	20 23	1 46	17 19	0 16	21 8	1 18	3 10	1 5	16 14	0 41	5 41	0 41	7 0
W30	13 46	17 11	4 23	20 50	1 52	17 41	0 13	21 4	1 20	3 15	1 5	16 13	0 41	5 40	0 41	7 1
T 31	14s 5	18s11	4n56	21s16	1s57	18s 3	0n11	21n 0	1n22	3s20	1n 7	16n12	0n41	5n40	0s41	7s 1

Julian Day Number = 2518292.5, Delta T = 147.07 sec
 Ecliptic obliquity = 23°24'47, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°17'39, Lahiri = 26°24'39

ASTRODIENST EPHEMERIS for the year 2182

geocentric

NOVEMBER 2182

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 42 3	8 ^m 46'00	4 ^h 35'51	27 ^m 56	23 ^m 10	2 ^h 02'29	11 ^h 12'12	17 ^h 02'38	15 ^h R59	14 ^h R23	29 ^h R33	10 ^h R 8	8 ^h 53	22 ^h 04'48	0 ^h R 1	F 1
S 2	2 46 0	9°45'57	18°49	29°20	24°25	2°53	11°25	17°41	15°Y56	14°X22	29°X33	10°X 5	8°50	22°54	29°X58	S 2
S 3	2 49 57	10°45'56	2 ^h 35'53	0 ^h 42'42	25°40	3°17	11°37	17°44	15°54	14°21	29°33	10° 4	8°46	23° 1	29°55	S 3
M 4	2 53 53	11°45'56	17° 1	2° 4	26°54	3°40	11°49	17°47	15°52	14°20	29°33	10°D 4	8°43	23° 8	29°52	M 4
T 5	2 57 50	12°45'58	1 ^h X13	3°25	28° 9	4° 3	12° 1	17°49	15°50	14°20	29°33	10° 5	8°40	23°14	29°49	T 5
W 6	3 1 46	13°46'01	15°26	4°44	29°24	4°25	12°13	17°52	15°48	14°19	29°33	10° 6	8°37	23°21	29°46	W 6
T 7	3 5 43	14°46'06	29°37	6° 2	0 ^h 42'39	4°47	12°25	17°54	15°46	14°18	29°33	10° 7	8°34	23°28	29°43	T 7
F 8	3 9 39	15°46'13	13 ^h Y45	7°19	1°54	5° 9	12°37	17°57	15°44	14°18	29°33	10°R 8	8°30	23°34	29°40	F 8
S 9	3 13 36	16°46'21	27°45	8°35	3° 9	5°30	12°48	17°59	15°42	14°17	29°32	10° 7	8°27	23°41	29°37	S 9
S 10	3 17 32	17°46'31	11 ^h X35	9°49	4°23	5°51	13° 0	18° 1	15°40	14°17	29°32	10° 3	8°24	23°48	29°34	S 10
M 11	3 21 29	18°46'42	25°12	11° 1	5°38	6°11	13°12	18° 3	15°38	14°16	29°32	9°58	8°21	23°55	29°31	M 11
T 12	3 25 26	19°46'56	8 ^h II31	12°12	6°53	6°31	13°23	18° 5	15°36	14°16	29°32	9°52	8°18	24° 1	29°28	T 12
W 13	3 29 22	20°47'11	21°33	13°20	8° 8	6°50	13°35	18° 7	15°34	14°15	29°31	9°44	8°15	24° 8	29°24	W 13
T 14	3 33 19	21°47'28	4 ^h III16	14°26	9°23	7° 9	13°47	18° 9	15°32	14°15	29°31	9°37	8°11	24°15	29°21	T 14
F 15	3 37 15	22°47'47	16°41	15°28	10°38	7°27	13°58	18°11	15°31	14°15	29°30	9°31	8° 8	24°21	29°18	F 15
S 16	3 41 12	23°48'08	28°51	16°28	11°52	7°45	14° 9	18°12	15°29	14°14	29°30	9°26	8° 5	24°28	29°15	S 16
S 17	3 45 8	24°48'31	10 ^h II50	17°25	13° 7	8° 3	14°21	18°14	15°27	14°14	29°30	9°22	8° 2	24°35	29°12	S 17
M 18	3 49 5	25°48'55	22°42	18°17	14°22	8°20	14°32	18°15	15°26	14°14	29°29	9°D21	7°59	24°41	29° 8	M 18
T 19	3 53 1	26°49'22	4 ^h III32	19° 5	15°37	8°36	14°43	18°16	15°24	14°14	29°29	9°21	7°56	24°48	29° 5	T 19
W 20	3 56 58	27°49'50	16°25	19°48	16°52	8°52	14°54	18°17	15°22	14°13	29°28	9°23	7°52	24°55	29° 2	W 20
T 21	4 0 55	28°50'20	28°26	20°25	18° 7	9° 7	15° 5	18°18	15°21	14°13	29°28	9°24	7°49	25° 1	28°59	T 21
F 22	4 4 51	29°50'52	10 ^h II41	20°56	19°21	9°22	15°16	18°19	15°19	14°13	29°27	9°R24	7°46	25° 8	28°55	F 22
S 23	4 8 48	0 ^h X51'26	23°13	21°20	20°36	9°37	15°27	18°20	15°18	14°13	29°27	9°23	7°43	25°15	28°52	S 23
S 24	4 12 44	1°52'01	6 ^h III 5	21°37	21°51	9°50	15°38	18°20	15°16	14°13	29°26	9°20	7°40	25°21	28°49	S 24
M 25	4 16 41	2°52'38	19°18	21°R44	23° 6	10° 3	15°49	18°21	15°15	14°D13	29°25	9°14	7°36	25°28	28°46	M 25
T 26	4 20 37	3°53'17	2 ^h X53	21°43	24°21	10°16	15°59	18°21	15°13	14°13	29°25	9° 6	7°33	25°35	28°43	T 26
W 27	4 24 34	4°53'57	16°46	21°31	25°35	10°27	16°10	18°22	15°12	14°13	29°24	8°57	7°30	25°41	28°39	W 27
T 28	4 28 30	5°54'38	0 ^h X54	21° 9	26°50	10°39	16°20	18°22	15°11	14°13	29°23	8°47	7°27	25°48	28°36	T 28
F 29	4 32 27	6°55'21	15°10	20°36	28° 5	10°49	16°31	18°R22	15°10	14°13	29°23	8°38	7°24	25°55	28°33	F 29
S 30	4 36 24	7 ^h X56'04	29°X30	19 ^h X52	29 ^h X20	10 ^h II59	16 ^h II41	18 ^h II22	15°Y 8	14°X13	29°X22	8 ^h II31	7 ^h II21	26 ^h II 1	28°X30	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14s24	18s 8	5n12	21s40	2s 3	18s25	0n 8	20n56	1n24	3s24	1n 7	16n11	0n41	5n39	0s41	F 1
S 2	14 43	16 59	5 9	22 4	2 8	18 46	0 6	20 53	1 25	3 29	1 7	16 10	0 41	5 38	0 41	S 2
S 3	15 2	14 48	4 49	22 26	2 13	19 6	0 3	20 49	1 27	3 34	1 7	16 10	0 42	5 37	0 41	S 3
M 4	15 21	11 44	4 10	22 47	2 17	19 26	0 1	20 45	1 29	3 38	1 7	16 9	0 42	5 36	0 41	M 4
T 5	15 39	7 58	3 17	23 8	2 21	19 45	0s 2	20 42	1 31	3 43	1 7	16 8	0 42	5 35	0 41	T 5
W 6	15 57	3 44	2 11	23 26	2 25	20 4	0 4	20 38	1 33	3 48	1 7	16 8	0 42	5 35	0 41	W 6
T 7	16 15	0n43	0 57	23 44	2 29	20 22	0 7	20 35	1 35	3 52	1 7	16 7	0 42	5 34	0 41	T 7
F 8	16 33	5 7	0s20	24 1	2 32	20 40	0 9	20 32	1 37	3 57	1 7	16 6	0 42	5 33	0 41	F 8
S 9	16 50	9 11	1 35	24 16	2 35	20 57	0 12	20 28	1 39	4 1	1 7	16 6	0 43	5 32	0 41	S 9
S 10	17 7	12 43	2 43	24 30	2 38	21 14	0 14	20 25	1 41	4 6	1 8	16 5	0 43	5 32	0 41	S 10
M 11	17 23	15 28	3 40	24 42	2 39	21 30	0 17	20 22	1 43	4 10	1 8	16 5	0 43	5 31	0 41	M 11
T 12	17 40	17 21	4 25	24 53	2 41	21 45	0 19	20 19	1 45	4 14	1 8	16 5	0 43	5 30	0 41	T 12
W 13	17 56	18 15	4 54	25 3	2 42	22 0	0 22	20 16	1 47	4 19	1 8	16 4	0 43	5 30	0 41	W 13
T 14	18 12	18 13	5 8	25 11	2 42	22 14	0 24	20 14	1 49	4 23	1 8	16 4	0 43	5 29	0 41	T 14
F 15	18 27	17 18	5 7	25 18	2 42	22 28	0 27	20 11	1 51	4 27	1 8	16 3	0 44	5 28	0 41	F 15
S 16	18 42	15 36	4 52	25 24	2 41	22 40	0 29	20 8	1 54	4 32	1 8	16 3	0 44	5 28	0 41	S 16
S 17	18 57	13 15	4 24	25 28	2 39	22 53	0 32	20 6	1 56	4 36	1 8	16 3	0 44	5 27	0 41	S 17
M 18	19 11	10 23	3 45	25 30	2 37	23 4	0 34	20 4	1 58	4 40	1 8	16 3	0 44	5 26	0 41	M 18
T 19	19 26	7 5	2 57	25 31	2 33	23 15	0 37	20 1	2 0	4 44	1 9	16 2	0 44	5 26	0 41	T 19
W 20	19 39	3 30	2 1	25 30	2 29	23 25	0 39	19 59	2 2	4 49	1 9	16 2	0 44	5 25	0 41	W 20
T 21	19 53	0s17	0 59	25 27	2 23	23 34	0 42	19 58	2 5	4 53	1 9	16 2	0 45	5 25	0 41	T 21
F 22	20 6	4 7	0n 7	25 22	2 16	23 43	0 44	19 56	2 7	4 57	1 9	16 2	0 45	5 24	0 41	F 22
S 23	20 18	7 52	1 14	25 16	2 9	23 51	0 47	19 54	2 9	5 1	1 9	16 2	0 45	5 23	0 41	S 23
S 24	20 31	11 21	2 18	25 8	1 59	23 59	0 49	19 53	2 12	5 5	1 9	16 2	0 45	5 23	0 41	S 24
M 25	20 43	14 22	3 17	24 58	1 49	24 5	0 51	19 51	2 14	5 9	1 9	16 2	0 45	5 22	0 41	M 25
T 26	20 54	16 41	4 7	24 46	1 37	24 11	0 53	19 50	2 16	5 13	1 10	16 2	0 46	5 22	0 41	T 26
W 27	21 5	18 4	4 43	24 31	1 23	24 16	0 56	19 49	2 19	5 17	1 10	16 2	0 46	5 21	0 41	W 27
T 28	21 16	18 23	5 2	24 15	1 8	24 20	0 58	19 49	2 21	5 21	1 10	16 2	0 46	5 21	0 40	T 28
F 29	21 26	17 32	5 3	23 56	0 51	24 24	1 0	19 48	2 24	5 24	1 10	16 2	0 46	5 21	0 40	F 29
S 30	21s36	15s35	4n45	23s35	0s33	24s27	1s 2	19n48	2n26	5s28	1n10	16n 2	0n46	5n20	0s40	S 30

Julian Day Number = 2518323.5, Delta T = 147.14 sec

Ecliptic obliquity = 23°24'47, Nutation = 0°00'01, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°17'43, Lahiri = 26°24'43

ASTRODIENST EPHEMERIS for the year 2182
geocentric

DECEMBER 2182

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 40 20	8♌56'49	13♋49	18♍R58	0♋35	11♏ 8	16♏51	18♍R22	15♍R 7	14♋13	29♍R21	8♍R26	7♏17	26♏ 8	28♍R27	S 1
M 2	4 44 17	9♍57'35	28° 3	17♌55	1°50	11°17	17° 1	18♏22	15♍R 6	14°14	29♏21	8♏23	7°14	26°15	28♌23	M 2
T 3	4 48 13	10♍58'21	12♋11	16°43	3° 4	11°25	17°11	18°21	15° 5	14°14	29°20	8°D22	7°11	26°22	28°20	T 3
W 4	4 52 10	11°59'09	26°10	15°25	4°19	11°32	17°21	18°21	15° 4	14°14	29°19	8°23	7° 8	26°28	28°17	W 4
T 5	4 56 6	12°59'57	10♍R 1	14° 3	5°34	11°39	17°31	18°20	15° 3	14°14	29°18	8°R23	7° 5	26°35	28°14	T 5
F 6	5 0 3	14° 0'46	23°43	12°40	6°49	11°44	17°40	18°19	15° 2	14°15	29°17	8°22	7° 2	26°42	28°11	F 6
S 7	5 3 59	15° 1'36	7♌17	11°19	8° 3	11°50	17°50	18°19	15° 1	14°15	29°16	8°19	6°58	26°48	28° 8	S 7
S 8	5 7 56	16° 2'27	20°41	10° 3	9°18	11°54	18° 0	18°18	15° 0	14°16	29°15	8°13	6°55	26°55	28° 5	S 8
M 9	5 11 53	17° 3'19	3♏55	8°53	10°33	11°57	18° 9	18°17	15° 0	14°16	29°15	8° 3	6°52	27° 2	28° 2	M 9
T 10	5 15 49	18° 4'12	16°56	7°52	11°47	12° 0	18°18	18°16	14°59	14°16	29°14	7°52	6°49	27° 8	27°59	T 10
W11	5 19 46	19° 5'06	29°44	7° 1	13° 2	12° 2	18°27	18°14	14°58	14°17	29°13	7°39	6°46	27°15	27°56	W11
T 12	5 23 42	20° 6'01	12♏18	6°21	14°17	12° 4	18°36	18°13	14°57	14°18	29°12	7°26	6°42	27°22	27°53	T 12
F 13	5 27 39	21° 6'57	24°38	5°53	15°32	12°R 4	18°45	18°12	14°57	14°18	29°11	7°14	6°39	27°28	27°50	F 13
S 14	5 31 35	22° 7'54	6♏45	5°35	16°46	12° 4	18°54	18°10	14°56	14°19	29°10	7° 3	6°36	27°35	27°47	S 14
S 15	5 35 32	23° 8'52	18°42	5°D29	18° 1	12° 3	19° 3	18° 8	14°56	14°19	29° 9	6°56	6°33	27°42	27°44	S 15
M16	5 39 28	24° 9'51	0♏33	5°33	19°15	12° 1	19°11	18° 6	14°55	14°20	29° 8	6°51	6°30	27°48	27°41	M16
T 17	5 43 25	25°10'51	12°21	5°46	20°30	11°58	19°20	18° 5	14°55	14°21	29° 7	6°48	6°27	27°55	27°39	T 17
W18	5 47 22	26°11'53	24°12	6° 8	21°45	11°55	19°28	18° 3	14°55	14°22	29° 6	6°D48	6°23	28° 2	27°36	W18
T 19	5 51 18	27°12'55	6♏11	6°38	22°59	11°50	19°37	18° 0	14°54	14°22	29° 5	6°R48	6°20	28° 8	27°33	T 19
F 20	5 55 15	28°13'58	18°24	7°15	24°14	11°45	19°45	17°58	14°54	14°23	29° 4	6°47	6°17	28°15	27°30	F 20
S 21	5 59 11	29°15'02	0♏56	7°59	25°29	11°39	19°53	17°56	14°54	14°24	29° 2	6°45	6°14	28°22	27°28	S 21
S 22	6 3 8	0♋16'07	13°52	8°48	26°43	11°32	20° 0	17°54	14°54	14°25	29° 1	6°41	6°11	28°28	27°25	S 22
M23	6 7 4	1°17'12	27°14	9°41	27°58	11°24	20° 8	17°51	14°54	14°26	29° 0	6°34	6° 8	28°35	27°23	M23
T 24	6 11 1	2°18'19	11♌ 3	10°39	29°12	11°16	20°16	17°48	14°D54	14°27	28°59	6°24	6° 4	28°42	27°20	T 24
W25	6 14 58	3°19'26	25°16	11°41	0♏27	11° 6	20°23	17°46	14°54	14°28	28°58	6°12	6° 1	28°48	27°18	W25
T 26	6 18 54	4°20'34	9♋48	12°47	1°41	10°56	20°31	17°43	14°54	14°29	28°57	5°59	5°58	28°55	27°15	T 26
F 27	6 22 51	5°21'42	24°32	13°55	2°56	10°45	20°38	17°40	14°54	14°30	28°56	5°47	5°55	29° 2	27°13	F 27
S 28	6 26 47	6°22'50	9♏20	15° 5	4°10	10°33	20°45	17°37	14°54	14°31	28°54	5°37	5°52	29° 8	27°10	S 28
S 29	6 30 44	7°23'59	24° 4	16°18	5°25	10°20	20°52	17°34	14°54	14°32	28°53	5°30	5°48	29°15	27° 8	S 29
M30	6 34 40	8°25'07	8♋37	17°33	6°39	10° 7	20°58	17°31	14°55	14°33	28°52	5°26	5°45	29°22	27° 6	M30
T 31	6 38 37	9♋26'15	22♋54	18♌50	7♏54	9♏52	21♏ 5	17♏28	14♍55	14♋34	28♏51	5♏24	5♏42	29♏28	27♌ 4	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	21s46	12s41 4n 9	23s12 0s14	24s29 1s 4	19n48 2n29	5s32 1n10	16n 3 0n46	5n20 0s40	7s 4 0s56	21n56 1n43	3s20 2s53	9n36 16n24	3s29			
M 2	21 55 9 2	3 18 22 46	0n 5 24 31	1 7 19 48	2 31 5 36	1 10 16 3	0 47 5 19	0 40 7 4	0 56 21 57	1 43 3 19	2 52 9 34	16 23 3 29				
T 3	22 4 4 54	2 15 22 19	0 26 24 31	1 9 19 48	2 34 5 39	1 11 16 3	0 47 5 19	0 40 7 4	0 56 21 57	1 43 3 19	2 51 9 33	16 23 3 29				
W 4	22 12 0 32	1 5 21 51	0 46 24 31	1 11 19 48	2 36 5 43	1 11 16 3	0 47 5 19	0 40 7 4	0 56 21 57	1 43 3 19	2 50 9 31	16 22 3 29				
T 5	22 20 3n50	0s 9 21 22	1 6 24 30	1 13 19 49	2 39 5 46	1 11 16 4	0 47 5 18	0 40 7 4	0 56 21 57	1 43 3 19	2 48 9 29	16 21 3 29				
F 6	22 27 7 57	1 21 20 53	1 25 24 29	1 15 19 50	2 41 5 50	1 11 16 4	0 47 5 18	0 40 7 4	0 56 21 58	1 43 3 19	2 47 9 28	16 20 3 29				
S 7	22 34 11 36	2 27 20 25	1 43 24 26	1 16 19 51	2 44 5 53	1 11 16 5	0 47 5 18	0 40 7 3	0 56 21 58	1 43 3 18	2 46 9 26	16 20 3 29				
S 8	22 41 14 37	3 25 19 59	1 59 24 23	1 18 19 52	2 47 5 57	1 11 16 5	0 48 5 17	0 40 7 3	0 56 21 58	1 43 3 15	2 45 9 25	16 19 3 29				
M 9	22 47 16 49	4 10 19 35	2 12 24 20	1 20 19 54	2 49 6 0	1 12 16 6	0 48 5 17	0 40 7 3	0 56 21 58	1 44 3 12	2 43 9 23	16 18 3 29				
T 10	22 53 18 6	4 42 19 14	2 24 24 15	1 22 19 56	2 52 6 4	1 12 16 6	0 48 5 17	0 40 7 3	0 56 21 59	1 44 3 7	2 42 9 21	16 18 3 29				
W11	22 58 18 26	4 59 18 56	2 33 24 10	1 24 19 57	2 55 6 7	1 12 16 7	0 48 5 17	0 40 7 3	0 56 21 59	1 44 3 2	2 41 9 20	16 17 3 29				
T 12	23 3 17 52	5 0 18 43	2 40 24 4	1 25 20 0	2 57 6 10	1 12 16 7	0 48 5 16	0 40 7 2	0 56 21 59	1 44 2 57	2 40 9 18	16 16 3 29				
F 13	23 7 16 27	4 48 18 33	2 45 23 57	1 27 20 2	3 0 6 13	1 12 16 8	0 49 5 16	0 40 7 2	0 56 22 0	1 44 2 52	2 38 9 17	16 16 3 29				
S 14	23 11 14 20	4 22 18 28	2 48 23 49	1 28 20 5	3 3 6 17	1 13 16 8	0 49 5 16	0 40 7 2	0 56 22 0	1 44 2 48	2 37 9 15	16 15 3 29				
S 15	23 14 11 37	3 46 18 26	2 49 23 41	1 30 20 8	3 5 6 20	1 13 16 9	0 49 5 16	0 40 7 2	0 56 22 0	1 44 2 45	2 36 9 13	16 14 3 29				
M16	23 17 8 28	3 0 18 27	2 48 23 32	1 31 20 11	3 8 6 23	1 13 16 10	0 49 5 16	0 40 7 1	0 56 22 1	1 44 2 43	2 35 9 12	16 14 3 29				
T 17	23 20 4 59	2 6 18 31	2 46 23 22	1 32 20 14	3 11 6 26	1 13 16 11	0 49 5 16	0 40 7 1	0 56 22 1	1 44 2 42	2 33 9 10	16 13 3 29				
W18	23 21 1 17	1 6 18 38	2 43 23 12	1 34 20 18	3 14 6 29	1 13 16 11	0 49 5 15	0 40 7 1	0 56 22 1	1 44 2 42	2 32 9 8	16 13 3 29				
T 19	23 23 2s30	0 3 18 47	2 39 23 1	1 35 20 22	3 16 6 32	1 13 16 12	0 50 5 15	0 40 7 0	0 56 22 1	1 44 2 42	2 31 9 7	16 12 3 29				
F 20	23 24 6 16	1n 1 18 58	2 34 22 49	1 36 20 26	3 19 6 35	1 14 16 13	0 50 5 15	0 40 7 0	0 56 22 2	1 45 2 42	2 30 9 5	16 11 3 29				
S 21	23 25 9 51	2 4 19 10	2 28 22 37	1 37 20 30	3 22 6 37	1 14 16 14	0 50 5 15	0 40 7 0	0 56 22 2	1 45 2 41	2 28 9 4	16 11 3 29				
S 22	23 25 13 4	3 3 19 24	2 22 22 24	1 38 20 35	3 25 6 40	1 14 16 15	0 50 5 15	0 40 6 59	0 56 22 2	1 45 2 39	2 27 9 2	16 10 3 29				
M23	23 24 15 44	3 53 19 39	2 15 22 10	1 39 20 39	3 27 6 43	1 14 16 16	0 50 5 15	0 40 6 59	0 56 22 3	1 45 2 36	2 26 9 0	16 10 3 29				
T 24	23 24 17 35	4 32 19 54	2 8 21 56	1 40 20 44	3 30 6 46	1 14 16 17	0 50 5 15	0 40 6 59	0 56 22 3	1 45 2 32	2 25 8 59	16 9 3 29				
W25	23 22 18 25	4 55 20 10	2 1 21 41	1 41 20 50	3 33 6 48	1 15 16 18	0 51 5 15	0 39 6 58	0 56 22 3	1 45 2 28	2 23 8 57	16 9 3 29				
T 26	23 20 18 4	5 0 20 26	1 53 21 25	1 42 20 55	3 35 6 51	1 15 16 19	0 51 5 15	0 39 6 58	0 56 22 4	1 45 2 23	2 22 8 55	16 8 3 28				
F 27	23 18 16 31	4 45 20 43	1 45 21 9	1 42 21 1	3 38 6 53	1 15 16 20	0 51 5 15	0 39 6 57	0 56 22 4	1 45 2 18	2 21 8 54	16 8 3 28				
S 28	23 16 13 52	4 10 20 59	1 37 20 52	1 43 21 6	3 40 6 56	1 15 16 21	0 51 5 16	0 39 6 57	0 56 22 4	1 45 2 14	2 20 8 52	16 7 3 28				
S 29	23 12 10 20	3 20 21 15	1 28 20 34	1 43 21 12	3 43 6 58	1 16 16 22	0 51 5 16	0 39 6 56	0 56 22 5	1 45 2 11	2 18 8 51	16 7 3 28				
M30	23 9 6 13	2 17 21 30	1 20 20 16	1 44 21 18	3 45 7 0	1 16 16 23	0 51 5 16	0 39 6 56	0 56 22 5	1 45 2 9	2 17 8 49	16 7 3 28				
T 31	23s 5 1s49	1n 6 21s45	1n12 19s57	1s44 21n25	3n48 7s 3	1n16 16n24	0n52 5n16	0s39 6s55	0s56 22n 5	1n46 2s 9	2s16 8n47	16n 6 3s28				

Julian Day Number = 2518353.5, Delta T = 147.21 sec
Ecliptic obliquity = 23°24'46, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°17'47, Lahiri = 26°24'47