



Astrodienst Ephemeris Tables for the year 2132

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 2132
geocentric

JANUARY 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 39 59	9♌49'00	12♐22	5♌55	20♏57	7♏25	24°R10	24♐13	12°R17	26♐11	3°R 5	2♌26	2♌ 4	24♐22	17°R22	T 1
W 2	6 43 55	10°50'08	27°12	7°30	22° 8	7°43	24♐ 2	24°18	12♐16	26°12	3♐ 4	2°R26	2° 1	24°29	17♌21	W 2
T 3	6 47 52	11°51'15	11♌56	9° 5	23°20	8° 1	23°55	24°24	12°15	26°14	3° 3	2°26	1°57	24°36	17°19	T 3
F 4	6 51 48	12°52'23	26°27	10°41	24°31	8°20	23°47	24°30	12°14	26°16	3° 2	2°25	1°54	24°42	17°18	F 4
S 5	6 55 45	13°53'31	10♏39	12°17	25°42	8°40	23°40	24°35	12°13	26°17	3° 1	2°24	1°51	24°49	17°17	S 5
S 6	6 59 41	14°54'38	24°27	13°53	26°53	8°59	23°33	24°41	12°12	26°19	3° 1	2°22	1°48	24°56	17°15	S 6
M 7	7 3 38	15°55'47	7♐51	15°30	28° 4	9°19	23°26	24°46	12°11	26°21	3° 0	2°21	1°45	25° 2	17°14	M 7
T 8	7 7 35	16°56'55	20°49	17° 7	29°15	9°40	23°19	24°51	12°10	26°22	2°59	2°19	1°42	25° 9	17°13	T 8
W 9	7 11 31	17°58'03	3♌26	18°44	0♏26	10° 1	23°12	24°57	12° 9	26°24	2°58	2°18	1°38	25°16	17°12	W 9
T 10	7 15 28	18°59'12	15°43	20°22	1°36	10°22	23° 6	25° 2	12° 8	26°25	2°58	2°D17	1°35	25°22	17°11	T 10
F 11	7 19 24	20° 0'20	27°47	22° 0	2°47	10°44	22°59	25° 7	12° 6	26°27	2°57	2°17	1°32	25°29	17°10	F 11
S 12	7 23 21	21° 1'29	9♐40	23°39	3°57	11° 6	22°53	25°12	12° 5	26°28	2°56	2°18	1°29	25°36	17° 9	S 12
S 13	7 27 17	22° 2'38	21°29	25°18	5° 7	11°28	22°46	25°17	12° 4	26°30	2°55	2°20	1°26	25°42	17° 8	S 13
M14	7 31 14	23° 3'47	3♏18	26°57	6°18	11°51	22°40	25°22	12° 2	26°31	2°55	2°21	1°22	25°49	17° 7	M14
T 15	7 35 10	24° 4'56	15°11	28°37	7°28	12°14	22°34	25°27	12° 1	26°33	2°54	2°23	1°19	25°56	17° 6	T 15
W16	7 39 7	25° 6'04	27°13	0♏18	8°37	12°37	22°29	25°31	11°59	26°34	2°53	2°R24	1°16	26° 3	17° 6	W16
T 17	7 43 4	26° 7'13	9♌24	1°58	9°47	13° 1	22°23	25°36	11°58	26°36	2°53	2°24	1°13	26° 9	17° 5	T 17
F 18	7 47 0	27° 8'21	21°49	3°39	10°57	13°25	22°17	25°41	11°56	26°37	2°52	2°22	1°10	26°16	17° 4	F 18
S 19	7 50 57	28° 9'28	4♏27	5°21	12° 6	13°50	22°12	25°45	11°55	26°38	2°52	2°20	1° 7	26°23	17° 4	S 19
S 20	7 54 53	29°10'36	17°20	7° 2	13°15	14°14	22° 7	25°50	11°53	26°40	2°51	2°16	1° 3	26°29	17° 3	S 20
M21	7 58 50	0♏11'42	0♏27	8°44	14°25	14°39	22° 2	25°54	11°51	26°41	2°50	2°11	1° 0	26°36	17° 3	M21
T 22	8 2 46	1°12'48	13°47	10°26	15°34	15° 5	21°57	25°58	11°50	26°42	2°50	2° 6	0°57	26°43	17° 3	T 22
W23	8 6 43	2°13'53	27°19	12° 9	16°42	15°30	21°52	26° 3	11°48	26°43	2°49	2° 2	0°54	26°49	17° 2	W23
T 24	8 10 39	3°14'57	11♐ 2	13°51	17°51	15°56	21°48	26° 7	11°46	26°44	2°49	1°59	0°51	26°56	17° 2	T 24
F 25	8 14 36	4°16'00	24°56	15°33	18°59	16°22	21°44	26°11	11°44	26°45	2°48	1°57	0°48	27° 3	17° 2	F 25
S 26	8 18 33	5°17'02	8♌58	17°15	20° 8	16°49	21°40	26°15	11°42	26°47	2°48	1°D57	0°44	27° 9	17° 2	S 26
S 27	8 22 29	6°18'03	23° 9	18°56	21°16	17°15	21°36	26°19	11°40	26°48	2°48	1°58	0°41	27°16	17°D 2	S 27
M28	8 26 26	7°19'03	7♐25	20°37	22°24	17°42	21°32	26°22	11°38	26°49	2°47	1°59	0°38	27°23	17° 2	M28
T 29	8 30 22	8°20'02	21°46	22°17	23°31	18° 9	21°28	26°26	11°36	26°50	2°47	2° 0	0°35	27°29	17° 2	T 29
W30	8 34 19	9°21'00	6♌ 8	23°56	24°39	18°37	21°25	26°30	11°34	26°51	2°46	2°R 1	0°32	27°36	17° 2	W30
T 31	8 38 15	10°21'57	20♌26	25°34	25♏46	19♌ 4	21♐22	26♐33	11♐32	26♐52	2♐46	1♌59	0♌28	27♐43	17♌ 3	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23s 4	20n27	1s49	24s41	1s23	16s16	1s52	15n14	1n19	22n53	0s24	16s46	2n 6	7n41	0n48	17s39
W 2	22 59	22 55	0 29	24 41	1 28	15 51	1 50	15 21	1 20	22 53	0 24	16 48	2 6	7 41	0 48	17 39
T 3	22 54	23 45	0n53	24 39	1 33	15 26	1 48	15 27	1 21	22 53	0 24	16 49	2 6	7 42	0 48	17 40
F 4	22 48	22 58	2 9	24 36	1 37	15 1	1 46	15 34	1 22	22 53	0 24	16 50	2 7	7 42	0 48	17 40
S 5	22 42	20 42	3 16	24 32	1 41	14 35	1 44	15 41	1 23	22 53	0 24	16 51	2 7	7 42	0 48	17 40
S 6	22 35	17 17	4 10	24 26	1 45	14 8	1 42	15 49	1 24	22 52	0 23	16 52	2 7	7 43	0 48	17 41
M 7	22 28	13 5	4 48	24 19	1 49	13 42	1 40	15 56	1 25	22 52	0 23	16 54	2 7	7 43	0 48	17 41
T 8	22 21	8 23	5 10	24 11	1 52	13 15	1 38	16 3	1 26	22 52	0 23	16 55	2 7	7 44	0 48	17 41
W 9	22 13	3 29	5 16	24 1	1 55	12 48	1 35	16 11	1 27	22 52	0 23	16 56	2 7	7 44	0 48	17 42
T 10	22 5	1s27	5 8	23 49	1 58	12 20	1 33	16 18	1 27	22 52	0 23	16 57	2 7	7 45	0 48	17 42
F 11	21 56	6 13	4 46	23 36	2 0	11 53	1 30	16 25	1 28	22 52	0 23	16 58	2 7	7 45	0 48	17 42
S 12	21 47	10 43	4 12	23 22	2 2	11 25	1 27	16 33	1 29	22 51	0 22	16 59	2 8	7 46	0 48	17 42
S 13	21 37	14 47	3 27	23 5	2 4	10 56	1 25	16 41	1 29	22 51	0 22	17 0	2 8	7 46	0 48	17 43
M14	21 27	18 17	2 34	22 48	2 5	10 28	1 22	16 48	1 30	22 51	0 22	17 1	2 8	7 47	0 48	17 43
T 15	21 17	21 3	1 34	22 29	2 6	9 59	1 19	16 56	1 31	22 51	0 22	17 2	2 8	7 47	0 48	17 43
W16	21 6	22 55	0 29	22 8	2 7	9 30	1 16	17 4	1 31	22 51	0 22	17 3	2 8	7 48	0 48	17 44
T 17	20 55	23 44	0s39	21 46	2 7	9 1	1 12	17 12	1 32	22 51	0 22	17 4	2 8	7 49	0 48	17 44
F 18	20 43	23 23	1 45	21 22	2 6	8 31	1 9	17 19	1 32	22 51	0 21	17 5	2 8	7 49	0 48	17 44
S 19	20 31	21 50	2 47	20 57	2 5	8 2	1 5	17 27	1 33	22 50	0 21	17 6	2 9	7 50	0 48	17 44
S 20	20 18	19 9	3 42	20 30	2 4	7 32	1 2	17 35	1 33	22 50	0 21	17 7	2 9	7 51	0 48	17 45
M21	20 6	15 27	4 26	20 2	2 2	7 2	0 58	17 43	1 34	22 50	0 21	17 8	2 9	7 51	0 48	17 45
T 22	19 52	10 56	4 57	19 32	2 0	6 32	0 55	17 51	1 34	22 50	0 21	17 9	2 9	7 52	0 48	17 45
W23	19 39	5 50	5 12	19 1	1 57	6 1	0 51	17 59	1 35	22 50	0 20	17 9	2 9	7 53	0 48	17 45
T 24	19 25	0 22	5 9	18 28	1 54	5 31	0 47	18 7	1 35	22 50	0 20	17 10	2 9	7 53	0 48	17 46
F 25	19 11	5n10	4 48	17 54	1 49	5 1	0 43	18 15	1 36	22 50	0 20	17 11	2 10	7 54	0 48	17 46
S 26	18 56	10 32	4 10	17 19	1 45	4 30	0 39	18 23	1 36	22 50	0 20	17 12	2 10	7 55	0 48	17 46
S 27	18 41	15 23	3 16	16 42	1 39	3 59	0 34	18 31	1 36	22 50	0 20	17 12	2 10	7 56	0 48	17 46
M28	18 26	19 23	2 10	16 5	1 33	3 29	0 30	18 39	1 37	22 50	0 20	17 13	2 10	7 56	0 48	17 46
T 29	18 10	22 14	0 56	15 26	1 26	2 58	0 26	18 47	1 37	22 50	0 19	17 14	2 10	7 57	0 48	17 47
W30	17 54	23 39	0n22	14 46	1 19	2 27	0 21	18 55	1 37	22 50	0 19	17 15	2 10	7 58	0 49	17 47
T 31	17s38	23n30	1n39	14s 6	1s10	1s56	0s16	19n 3	1n38	22n50	0s19	17s15	2n11	7n59	0n49	17s47

Julian Day Number = 2499756.5, Delta T = 110.14 sec
Ecliptic obliquity = 23°25'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°35'05, Lahiri = 25°42'05

ASTRODIENST EPHEMERIS for the year 2132

geocentric

FEBRUARY 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 12	11 ²² 53	4 ⁰ 36	27 ²⁸ 9	26 ²⁶ 53	19 ¹⁸ 32	21 ¹⁰ R19	26 ²⁶ 37	11 ¹⁰ R30	26 ²⁶ 53	2 ¹⁰ R46	1 ¹⁰ R56	0 ⁰ 25	27 ²⁶ 49	17 ¹⁷ 3	F 1
S 2	8 46 9	12 ²³ 48	18 ³⁴	28 ⁴²	28 ⁰	20 ⁰	21 ¹¹ 16	26 ⁴⁰	11 ¹⁰ 28	26 ⁵³	2 ¹¹ 45	1 ¹⁰ 51	0 ²²	27 ⁵⁶	17 ³	S 2
S 3	8 50 5	13 ²⁴ 41	2 ¹⁰ 14	0 ¹⁰ 13	29 ⁶	20 ²⁸	21 ¹⁴	26 ⁴³	11 ²⁶	26 ⁵⁴	2 ⁴⁵	1 ⁴⁴	0 ¹⁹	28 ³	17 ⁴	S 3
M 4	8 54 2	14 ²⁵ 34	15 ³⁵	1 ⁴⁰	0 ¹⁰ 13	20 ⁵⁷	21 ¹¹	26 ⁴⁷	11 ²³	26 ⁵⁵	2 ⁴⁵	1 ³⁶	0 ¹⁶	28 ⁹	17 ⁴	M 4
T 5	8 57 58	15 ²⁶ 26	28 ³⁴	3 ³	1 ¹⁹	21 ²⁵	21 ⁹	26 ⁵⁰	11 ²¹	26 ⁵⁶	2 ⁴⁵	1 ²⁹	0 ¹³	28 ¹⁶	17 ⁵	T 5
W 6	9 1 55	16 ²⁷ 17	11 ²¹ 13	4 ²²	2 ²⁴	21 ⁵⁴	21 ⁷	26 ⁵³	11 ¹⁹	26 ⁵⁷	2 ⁴⁴	1 ²²	0 ⁹	28 ²³	17 ⁵	W 6
T 7	9 5 51	17 ²⁸ 07	23 ³³	5 ³⁶	3 ³⁰	22 ²³	21 ⁵	26 ⁵⁶	11 ¹⁶	26 ⁵⁷	2 ⁴⁴	1 ¹⁷	0 ⁶	28 ²⁹	17 ⁶	T 7
F 8	9 9 48	18 ²⁸ 57	5 ¹⁰ 39	6 ⁴³	4 ³⁵	22 ⁵²	21 ⁴	26 ⁵⁸	11 ¹⁴	26 ⁵⁸	2 ⁴⁴	1 ¹⁴	0 ³	28 ³⁶	17 ⁷	F 8
S 9	9 13 44	19 ²⁹ 45	17 ³³	7 ⁴⁴	5 ⁴⁰	23 ²¹	21 ³	27 ¹	11 ¹²	26 ⁵⁹	2 ⁴⁴	1 ¹⁰ D13	29 ¹¹ 59	28 ⁴³	17 ⁸	S 9
S 10	9 17 41	20 ³⁰ 33	29 ²³	8 ³⁷	6 ⁴⁵	23 ⁵¹	21 ¹	27 ⁴	11 ⁹	26 ⁵⁹	2 ⁴⁴	1 ¹³	29 ⁵⁷	28 ⁴⁹	17 ⁹	S 10
M 11	9 21 37	21 ³¹ 19	11 ²¹ 12	9 ²¹	7 ⁴⁹	24 ²¹	21 ⁰	27 ⁶	11 ⁷	27 ⁰	2 ⁴³	1 ¹⁴	29 ⁵⁴	28 ⁵⁶	17 ¹⁰	M 11
T 12	9 25 34	22 ³² 05	23 ⁶	9 ⁵⁷	8 ⁵³	24 ⁵⁰	21 ⁰	27 ⁹	11 ⁵	27 ⁰	2 ⁴³	1 ¹⁶	29 ⁵⁰	29 ³	17 ¹¹	T 12
W 13	9 29 31	23 ³² 50	5 ²¹ 11	10 ²³	9 ⁵⁷	25 ²¹	20 ⁵⁹	27 ¹¹	11 ²	27 ¹	2 ⁴³	1 ¹⁶ R16	29 ⁴⁷	29 ⁹	17 ¹²	W 13
T 14	9 33 27	24 ³³ 33	17 ³⁰	10 ³⁹	11 ¹	25 ⁵¹	20 ⁵⁹	27 ¹³	11 ⁰	27 ¹	2 ⁴³	1 ¹⁴	29 ⁴⁴	29 ¹⁶	17 ¹³	T 14
F 15	9 37 24	25 ³⁴ 15	0 ²² 6	10 ¹⁰ R44	12 ⁴	26 ²¹	20 ⁵⁹ D59	27 ¹⁵	10 ⁵⁷	27 ²	2 ⁴³	1 ¹⁰	29 ⁴¹	29 ²³	17 ¹⁴	F 15
S 16	9 41 20	26 ³⁴ 57	13 ¹	10 ³⁸	13 ⁶	26 ⁵²	20 ⁵⁹	27 ¹⁸	10 ⁵⁵	27 ²	2 ⁴³ D43	1 ⁴	29 ³⁸	29 ²⁹	17 ¹⁵	S 16
S 17	9 45 17	27 ³⁵ 36	26 ¹⁵	10 ²²	14 ⁹	27 ²²	20 ⁵⁹	27 ¹⁹	10 ⁵²	27 ³	2 ⁴³	0 ⁵⁶	29 ³⁴	29 ³⁶	17 ¹⁷	S 17
M 18	9 49 13	28 ³⁶ 14	9 ¹⁰ 48	9 ⁵⁶	15 ¹¹	27 ⁵³	20 ⁵⁹	27 ²¹	10 ⁵⁰	27 ³	2 ⁴³	0 ⁴⁶	29 ³¹	29 ⁴³	17 ¹⁸	M 18
T 19	9 53 10	29 ³⁶ 51	23 ³⁵	9 ²⁰	16 ¹³	28 ²⁴	21 ⁰	27 ²³	10 ⁴⁷	27 ³	2 ⁴³	0 ³⁵	29 ²⁸	29 ⁴⁹	17 ¹⁹	T 19
W 20	9 57 6	0 ¹⁰ 3726	7 ¹⁰ 34	8 ³⁶	17 ¹⁴	28 ⁵⁵	21 ¹	27 ²⁵	10 ⁴⁴	27 ⁴	2 ⁴³	0 ²⁶	29 ²⁵	29 ⁵⁶	17 ²¹	W 20
T 21	10 1 3	1 ³⁷ 59	21 ⁴⁰	7 ⁴⁴	18 ¹⁵	29 ²⁶	21 ²	27 ²⁶	10 ⁴²	27 ⁴	2 ⁴⁴	0 ¹⁸	29 ²²	0 ²⁷ 3	17 ²²	T 21
F 22	10 5 0	2 ³⁸ 31	5 ¹⁰ 49	6 ⁴⁶	19 ¹⁵	29 ⁵⁸	21 ³	27 ²⁸	10 ³⁹	27 ⁴	2 ⁴⁴	0 ¹²	29 ¹⁹	0 ⁹	17 ²⁴	F 22
S 23	10 8 56	3 ³⁹ 01	19 ⁵⁸	5 ⁴³	20 ¹⁵	0 ¹¹ 29	21 ⁵	27 ²⁹	10 ³⁷	27 ⁴	2 ⁴⁴	0 ¹⁰	29 ¹⁵	0 ¹⁶	17 ²⁶	S 23
S 24	10 12 53	4 ³⁹ 29	4 ¹¹ 5	4 ³⁷	21 ¹⁵	1 ¹	21 ⁶	27 ³⁰	10 ³⁴	27 ⁴	2 ⁴⁴	0 ¹⁰ D 9	29 ¹²	0 ²³	17 ²⁷	S 24
M 25	10 16 49	5 ³⁹ 55	18 ¹⁰	3 ³¹	22 ¹⁴	1 ³²	21 ⁸	27 ³¹	10 ³¹	27 ⁴	2 ⁴⁴	0 ⁹	29 ⁹	0 ²⁹	17 ²⁹	M 25
T 26	10 20 46	6 ⁴⁰ 19	2 ²⁸ 11	2 ²⁵	23 ¹³	2 ⁴	21 ¹⁰	27 ³²	10 ²⁹	27 ⁵	2 ⁴⁴	0 ¹⁰ R 9	29 ⁶	0 ³⁶	17 ³¹	T 26
W 27	10 24 42	7 ⁴⁰ 41	16 ⁷	1 ²¹	24 ¹¹	2 ³⁶	21 ¹³	27 ³³	10 ²⁶	27 ⁵	2 ⁴⁵	0 ⁸	29 ³	0 ⁴³	17 ³³	W 27
T 28	10 28 39	8 ⁴¹ 02	29 ⁵⁸	0 ²⁰	25 ⁸	3 ⁸	21 ¹⁵	27 ³⁴	10 ²⁴	27 ¹⁰ R 5	2 ⁴⁵	0 ⁵	29 ⁰	0 ⁴⁹	17 ³⁵	T 28
F 29	10 32 35	9 ¹⁰ 4120	13 ¹⁰ 41	29 ²² 4	26 ¹⁰ 5	3 ¹¹ 40	21 ¹¹ 18	27 ¹⁰ 35	10 ¹⁰ 21	27 ¹⁰ 5	2 ¹¹ 45	29 ¹¹ 59	28 ¹¹ 56	0 ¹⁰ 56	17 ¹⁰ 37	F 29

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	17s21	21n49	2n48	13s24	1s 1	1s25	0s12	19n11	1n38	22n50	0s19	17s16	2n11	8n 0	0n49	17s47	1n42	7n53	13s 3	23n24	23n25	16s57	14n37	2s23			
S 2	17 4	18 50	3 46	12 43	0 51	0 54	0 7	19 18	1 38	22 50	0 19	17 16	2 11	8 1	0 49	17 47	1 42	7 53	13 2	23 25	23 25	16 59	14 38	2 23			
S 3	16 47	14 52	4 29	12 1	0 40	0 23	0 2	19 26	1 39	22 50	0 18	17 17	2 11	8 1	0 49	17 47	1 42	7 54	13 2	23 25	23 25	17 2	14 38	2 23			
M 4	16 29	10 15	4 57	11 19	0 29	0n 8	0n 3	19 34	1 39	22 50	0 18	17 18	2 11	8 2	0 49	17 47	1 43	7 54	13 2	23 25	23 25	17 4	14 38	2 23			
T 5	16 12	5 17	5 9	10 38	0 16	0 38	0 8	19 42	1 39	22 50	0 18	17 18	2 11	8 3	0 49	17 48	1 43	7 54	13 2	23 25	23 25	17 6	14 38	2 23			
W 6	15 54	0 14	5 4	9 57	0 3	1 9	0 13	19 50	1 39	22 50	0 18	17 19	2 12	8 4	0 49	17 48	1 43	7 54	13 1	23 25	23 25	17 8	14 39	2 23			
T 7	15 35	4s42	4 46	9 17	0n11	1 40	0 18	19 57	1 40	22 50	0 18	17 19	2 12	8 5	0 49	17 48	1 43	7 55	13 1	23 25	23 25	17 10	14 39	2 23			
F 8	15 17	9 23	4 15	8 39	0 25	2 11	0 24	20 5	1 40	22 50	0 17	17 20	2 12	8 6	0 49	17 48	1 43	7 55	13 1	23 25	23 25	17 12	14 39	2 23			
S 9	14 58	13 38	3 34	8 2	0 41	2 42	0 29	20 13	1 40	22 50	0 17	17 20	2 12	8 7	0 49	17 48	1 43	7 55	13 0	23 25	23 25	17 15	14 39	2 23			
S 10	14 39	17 21	2 43	7 28	0 56	3 12	0 34	20 20	1 40	22 50	0 17	17 20	2 12	8 8	0 49	17 48	1 43	7 55	13 0	23 25	23 25	17 17	14 40	2 23			
M 11	14 19	20 21	1 46	6 56	1 13	3 43	0 40	20 28	1 40	22 50	0 17	17 21	2 13	8 9	0 49	17 48	1 43	7 56	13 0	23 25	23 25	17 19	14 40	2 23			
T 12	14 0	22 31	0 44	6 28	1 29	4 13	0 45	20 35	1 41	22 50	0 17	17 21	2 13	8 10	0 49	17 48	1 43	7 56	12 59	23 25	23 25	17 21	14 40	2 22			
W 13	13 40	23 40	0s21	6 3	1 45	4 43	0 51	20 43	1 41	22 50	0 17	17 21	2 13	8 11	0 49	17 48	1 43	7 56	12 59	23 25	23 25	17 23	14 41	2 22			
T 14	13 20	23 42	1 26	5 42	2 2	5 14	0 57	20 50	1 41	22 51	0 16	17 22	2 13	8 11	0 49	17 48	1 43	7 56	12 59	23 25	23 25	17 26	14 41	2 22			
F 15	12 59	22 32	2 28	5 25	2 18	5 44	1 3	20 58	1 41	22 51	0 16	17 22	2 13	8 12	0 49	17 48	1 43	7 57	12 59	23 25	23 25	17 28	14 41	2 22			
S 16	12 39	20 10	3 25	5 13	2 33	6 14	1 9	21 5	1 41	22 51	0 16	17 22	2 14	8 13	0 49	17 48	1 43	7 57	12 58	23 25	23 25	17 30	14 42	2 22			
S 17	12 18	16 41	4 11	5 5	2 47	6 43	1 15	21 12	1 41	22 51	0 16	17 23	2 14	8 14	0 49	17 48	1 43	7 57	12 58	23 25	23 25	17 32	14 42	2 22			
M 18	11 57	12 17	4 44	5 3	3 1	7 13	1 21	21 19	1 41	22 51	0 16	17 23	2 14	8 15	0 49	17 49	1 43	7 58	12 58	23 25	23 25	17 34	14 43	2 22			
T 19	11 36	7 10	5 2	5 5	3 13	7 42	1 27	21 26	1 41	22 52	0 16	17 23	2 14	8 16	0 49	17 49	1 43	7 58	12 57	23 25	23 25	17 36	14 43	2 22			
W 20	11 15	1 37	5 2	5 12	3 23	8 11	1 33	21 33	1 41	22 52	0 15	17 23	2 14	8 17	0 49	17 49	1 43	7 58	12 57	23 25	23 25	17 38	14 44	2 22			
T 21	10 53	4n 3	4 44	5 24	3 31	8 40	1 39	21 40	1 41	22 52	0 15	17 23	2 14	8 18	0 49	17 49	1 44	7 59	12 57	23 25	23 25	17 41	14 44	2 22			
F 22	10 32	9 33	4 8	5 39	3 37	9 9	1 45	21 47	1 42	22 52	0 15	17 24	2 15	8 19	0 49	17 49	1 44	7 59	12 56	23 25	23 25	17 43	14 45	2 22			
S 23	10 10	14 33	3 17	5 58	3 41	9 38	1 52	21 54	1 42	22 53	0 15	17 24	2 15	8 20	0 49	17 49	1 44	7 59	12 56	23 25	23 25	17 45	14 45	2 22			
S 24	9 48	18 45	2 14	6 21	3 43	10 6	1 58	22 0	1 42	22 53	0 15	17 24	2 15	8 21	0 49	17 48	1 44	8 0	12 56	23 25	23 25	17 47	14 46	2 22			
M 25	9 26	21 51	1 3	6 45	3 42	10 34	2 4	22 7	1 42	22 53	0 15	17 24	2 15	8 22	0 49	17 48	1 44	8 0	12 56	23 25	23 25	17 49	14 46	2 22			
T 26	9 3	23 35	0n11	7 11	3 40	11 2	2 11	22 13	1 42	22 53	0 14	17 24	2 15	8 23	0 49	17 48	1 44	8 0	12 55	23 25	23 25	17 51	14 47	2 22			
W 27	8 41	23 50	1 24	7 39	3 35	11 30	2 17	22 20	1 42	22 54	0 14	17 24	2 16	8 24	0 49	17 48	1 44	8 1	12 55	23 25	23 25	17 53	14 47	2 22			
T 28	8 18	22 37	2 31	8 6	3 28	11 57	2 24	22 26	1 42	22 54	0 14	17 24	2 16	8 25	0 49	17 48	1 44	8 1	12 55	23 25	23 25	17 55	14 48	2 22			
F 29	7s56	20n 3	3n29	8s34	3n19	12n24	2n30	22n32	1n42	22n54	0s14	17s24	2n16	8n26	0n49	17s48	1n44	8n 1	12s54	23n25	23n25	17s58	14n49	2s21			

ASTRODIENST EPHEMERIS for the year 2132

geocentric

MARCH 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 36 32	10♈41'37	27♏14	28°R34	27°V 2	4♊13	21♊21	27♊36	10°R18	27°R 4	2♊45	29°R50	28♊53	1♈ 2	17♈39	S 1
S 2	10 40 29	11°41'51	10♏35	27°50	27°58	4°45	21°24	27°36	10°16	27°M 4	2°46	29♊38	28°50	1° 9	17°41	S 2
M 3	10 44 25	12°42'04	23°41	27°12	28°53	5°17	21°27	27°37	10°13	27° 4	2°46	29°26	28°47	1°16	17°43	M 3
T 4	10 48 22	13°42'15	6♈31	26°42	29°48	5°50	21°30	27°37	10°10	27° 4	2°46	29°13	28°44	1°22	17°46	T 4
W 5	10 52 18	14°42'25	19° 4	26°19	0♈42	6°23	21°34	27°37	10° 8	27° 4	2°47	29° 1	28°40	1°29	17°48	W 5
T 6	10 56 15	15°42'33	1♏22	26° 2	1°35	6°55	21°38	27°37	10° 5	27° 4	2°47	28°52	28°37	1°36	17°50	T 6
F 7	11 0 11	16°42'39	13°26	25°53	2°28	7°28	21°41	27°R37	10° 3	27° 3	2°48	28°45	28°34	1°42	17°53	F 7
S 8	11 4 8	17°42'44	25°21	25°D50	3°20	8° 1	21°46	27°37	10° 0	27° 3	2°48	28°40	28°31	1°49	17°55	S 8
S 9	11 8 4	18°42'47	7♈10	25°54	4°11	8°34	21°50	27°37	9°57	27° 3	2°48	28°38	28°28	1°56	17°57	S 9
M10	11 12 1	19°42'48	18°59	26° 3	5° 2	9° 7	21°54	27°37	9°55	27° 2	2°49	28°D38	28°25	2° 2	18° 0	M10
T 11	11 15 58	20°42'48	0♈53	26°19	5°52	9°40	21°59	27°36	9°52	27° 2	2°49	28°R38	28°21	2° 9	18° 3	T 11
W12	11 19 54	21°42'47	12°57	26°39	6°40	10°14	22° 4	27°36	9°50	27° 2	2°50	28°37	28°18	2°16	18° 5	W12
T 13	11 23 51	22°42'43	25°18	27° 5	7°29	10°47	22° 9	27°35	9°47	27° 1	2°51	28°35	28°15	2°22	18° 8	T 13
F 14	11 27 47	23°42'38	7♈59	27°36	8°16	11°20	22°14	27°34	9°45	27° 1	2°51	28°30	28°12	2°29	18°11	F 14
S 15	11 31 44	24°42'32	21° 4	28°11	9° 2	11°54	22°19	27°34	9°42	27° 0	2°52	28°23	28° 9	2°36	18°13	S 15
S 16	11 35 40	25°42'23	4♈33	28°50	9°47	12°27	22°25	27°33	9°40	27° 0	2°52	28°12	28° 5	2°42	18°16	S 16
M17	11 39 37	26°42'13	18°25	29°33	10°32	13° 1	22°31	27°32	9°37	26°59	2°53	28° 1	28° 2	2°49	18°19	M17
T 18	11 43 33	27°42'00	2°V37	0♈20	11°15	13°35	22°36	27°31	9°35	26°58	2°54	27°48	27°59	2°56	18°22	T 18
W19	11 47 30	28°41'46	17° 3	1°10	11°57	14° 9	22°42	27°29	9°32	26°58	2°54	27°36	27°56	3° 2	18°25	W19
T 20	11 51 27	29°41'29	1♈36	2° 4	12°39	14°42	22°49	27°28	9°30	26°57	2°55	27°26	27°53	3° 9	18°28	T 20
F 21	11 55 23	0°V41'11	16°10	3° 0	13°19	15°16	22°55	27°27	9°27	26°56	2°56	27°19	27°50	3°16	18°31	F 21
S 22	11 59 20	1°40'50	0♊38	3°59	13°58	15°50	23° 1	27°25	9°25	26°56	2°56	27°15	27°46	3°22	18°34	S 22
S 23	12 3 16	2°40'27	14°57	5° 1	14°35	16°24	23° 8	27°24	9°23	26°55	2°57	27°13	27°43	3°29	18°37	S 23
M24	12 7 13	3°40'02	29° 4	6° 6	15°12	16°59	23°15	27°22	9°20	26°54	2°58	27°13	27°40	3°36	18°40	M24
T 25	12 11 9	4°39'34	12♈59	7°13	15°47	17°33	23°22	27°20	9°18	26°53	2°59	27°13	27°37	3°42	18°43	T 25
W26	12 15 6	5°39'04	26°42	8°22	16°20	18° 7	23°29	27°18	9°16	26°52	2°59	27°12	27°34	3°49	18°47	W26
T 27	12 19 2	6°38'32	10♏13	9°33	16°52	18°41	23°36	27°16	9°13	26°52	3° 0	27° 8	27°31	3°56	18°50	T 27
F 28	12 22 59	7°37'58	23°33	10°46	17°23	19°16	23°43	27°14	9°11	26°51	3° 1	27° 2	27°27	4° 2	18°53	F 28
S 29	12 26 56	8°37'21	6♏42	12° 1	17°52	19°50	23°51	27°12	9° 9	26°50	3° 2	26°53	27°24	4° 9	18°56	S 29
S 30	12 30 52	9°36'42	19°40	13°18	18°19	20°24	23°58	27°10	9° 7	26°49	3° 3	26°41	27°21	4°16	19° 0	S 30
M31	12 34 49	10°V36'00	2♈27	14°V37	18°V45	20°V59	24°V 6	27°M 8	9°M 5	26°M48	3°V 4	26°V28	27°V18	4°V22	19°V 3	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	7s33	16n24	4n15	9s 0	3n 9	12n51	2n37	22n38	1n42	22n55	0s14	17s24	2n16	8n27	0n49	17s48	1n44	8n 2	12s54	23n25	23n25	18s 0	14n49	2s21	
S 2	7 10	11 59	4 45	9 26	2 58	13 17	2 44	22 44	1 42	22 55	0 14	17 24	2 16	8 28	0 49	17 48	1 44	8 2	12 54	23 25	23 25	18 2	14 50	2 21	
M 3	6 47	7 6	5 0	9 50	2 46	13 43	2 50	22 50	1 42	22 55	0 13	17 24	2 17	8 29	0 49	17 48	1 44	8 2	12 53	23 25	23 25	18 4	14 51	2 21	
T 4	6 24	1 59	4 59	10 12	2 33	14 9	2 57	22 56	1 42	22 56	0 13	17 24	2 17	8 30	0 49	17 48	1 44	8 3	12 53	23 25	23 25	18 6	14 51	2 21	
W 5	6 1	3s 5	4 43	10 33	2 20	14 34	3 4	23 2	1 42	22 56	0 13	17 23	2 17	8 31	0 49	17 48	1 44	8 3	12 53	23 25	23 25	18 8	14 52	2 21	
T 6	5 38	7 57	4 15	10 51	2 6	14 59	3 10	23 7	1 42	22 57	0 13	17 23	2 17	8 32	0 49	17 48	1 44	8 3	12 53	23 25	23 25	18 10	14 53	2 21	
F 7	5 15	12 26	3 35	11 8	1 52	15 24	3 17	23 13	1 42	22 57	0 13	17 23	2 17	8 33	0 49	17 48	1 44	8 4	12 52	23 25	23 25	18 12	14 53	2 21	
S 8	4 51	16 23	2 47	11 22	1 38	15 48	3 24	23 18	1 42	22 57	0 13	17 23	2 18	8 34	0 49	17 47	1 44	8 4	12 52	23 25	23 25	18 14	14 54	2 21	
S 9	4 28	19 40	1 51	11 34	1 24	16 12	3 31	23 23	1 42	22 58	0 12	17 23	2 18	8 35	0 49	17 47	1 44	8 4	12 52	23 25	23 25	18 17	14 55	2 21	
M10	4 4	22 7	0 51	11 44	1 10	16 36	3 37	23 28	1 41	22 58	0 12	17 22	2 18	8 36	0 49	17 47	1 45	8 5	12 51	23 25	23 25	18 19	14 55	2 21	
T 11	3 41	23 37	0s12	11 51	0 56	16 59	3 44	23 33	1 41	22 59	0 12	17 22	2 18	8 37	0 49	17 47	1 45	8 5	12 51	23 25	23 25	18 21	14 56	2 21	
W12	3 17	24 2	1 15	11 57	0 43	17 22	3 51	23 38	1 41	22 59	0 12	17 22	2 18	8 38	0 49	17 47	1 45	8 6	12 51	23 25	23 25	18 23	14 57	2 21	
T 13	2 53	23 18	2 16	12 0	0 30	17 44	3 58	23 43	1 41	23 0	0 12	17 21	2 19	8 39	0 49	17 47	1 45	8 6	12 50	23 25	23 25	18 25	14 58	2 21	
F 14	2 30	21 21	3 12	12 1	0 17	18 6	4 4	23 48	1 41	23 0	0 12	17 21	2 19	8 40	0 49	17 47	1 45	8 6	12 50	23 25	23 25	18 27	14 58	2 21	
S 15	2 6	18 15	4 0	12 1	0 5	18 27	4 11	23 52	1 41	23 1	0 11	17 21	2 19	8 41	0 49	17 46	1 45	8 7	12 50	23 25	23 25	18 29	14 59	2 21	
S 16	1 42	14 6	4 35	11 58	0s 7	18 48	4 18	23 57	1 41	23 1	0 11	17 20	2 19	8 42	0 49	17 46	1 45	8 7	12 50	23 25	23 25	18 31	15 0	2 21	
M17	1 19	9 7	4 56	11 54	0 18	19 9	4 24	24 1	1 41	23 2	0 11	17 20	2 19	8 43	0 49	17 46	1 45	8 8	12 49	23 24	23 24	18 33	15 1	2 21	
T 18	0 55	3 32	4 59	11 48	0 29	19 29	4 31	24 5	1 41	23 2	0 11	17 20	2 19	8 44	0 49	17 46	1 45	8 8	12 49	23 24	23 24	18 35	15 2	2 21	
W19	0 31	2n20	4 43	11 40	0 39	19 48	4 37	24 9	1 41	23 2	0 11	17 19	2 20	8 45	0 49	17 46	1 45	8 8	12 49	23 24	23 24	18 37	15 2	2 21	
T 20	0 7	8 7	4 9	11 30	0 49	20 8	4 44	24 13	1 41	23 3	0 11	17 19	2 20	8 45	0 49	17 46	1 45	8 9	12 49	23 24	23 24	18 39	15 3	2 21	
F 21	0n16	13 29	3 19	11 19	0 59	20 26	4 50	24 16	1 40	23 3	0 11	17 18	2 20	8 46	0 49	17 45	1 45	8 9	12 48	23 24	23 24	18 41	15 4	2 21	
S 22	0 40	18 3	2 16	11 6	1 8	20 44	4 57	24 20	1 40	23 4	0 10	17 18	2 20	8 47	0 49	17 45	1 45	8 9	12 48	23 24	23 24	18 43	15 5	2 21	
S 23	1 4	21 30	1 4	10 51	1 17	21 1	5 3	24 23	1 40	23 4	0 10	17 17	2 20	8 48	0 49	17 45	1 45	8 10	12 48	23 24	23 24	18 45	15 6	2 21	
M24	1 27	23 35	0n10	10 35	1 25	21 18	5 9	24 27	1 40	23 5	0 10	17 17	2 20	8 49	0 49	17 45	1 45	8 10	12 47	23 24	23 24	18 47	15 7	2 21	
T 25	1 51	24 9	1 22	10 17	1 32	21 35	5 15	24 30	1 40	23 5	0 10	17 16	2 21	8 50	0 49	17 44	1 45	8 11	12 47	23 24	23 24	18 49	15 8	2 21	
W26	2 15	23 14	2 29	9 58	1 40	21 50	5 22	24 33	1 40	23 6	0 10	17 15	2 21	8 51	0 49	17 44	1 45	8 11	12 47	23 24	23 24	18 52	15 9	2 21	
T 27	2 38	20 59	3 26	9 37	1 46	22 5	5 27	24 36	1 40	23 6	0 10	17 15	2 21	8 51	0 49	17 44	1 45	8 11	12 47	23 23	23 24	18 54	15 9	2 21	
F 28	3 2	17 37	4 12	9 15	1 52	22 20	5 33	24 39	1 40	23 7	0 10	17 14	2 21	8 52	0 49	17 44	1 45	8 12	12 46	23 23	23 24	18 56	15 10	2 21	
S 29	3 25	13 25	4 43	8 52	1 58	22 34	5 39	24 41	1 39	23 7	0 9	17 14	2 21	8 53	0 49	17 43	1 45	8 12	12 46	23 23	23 24	18 58	15 11	2 21	
S 30	3 48	8 40	4 59	8 27	2 3	22 47	5 45	24 44	1 39	23 8	0 9	17 13	2 21	8 54	0 49	17 43	1 45	8 13	12 46	23 23	23 24	19 0	15 12	2 21	
M31	4n12	3n36	4n59	8s 1	2s 8	22n59	5n50	24n46	1n39	23n 8	0s 9	17s12	2n22	8n55	0n49	17s43	1n46	8n13	12s46	23n23	23n24	19s 2	15n13	2s20	

ASTRODIENST EPHEMERIS for the year 2132
geocentric

APRIL 2132

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 38 45	11°35'17	15°0 0	15°58	19°8 9	21°11 33	24°11 14	27°R 5	9°R 3	26°R47	3°II 4	26°R15	27°II15	4°29	19°8 7	T 1
W 2	12 42 42	12°34'32	27°22	17°21	19°31	22° 8	24°22	27°II 3	9°II 1	26°II46	3° 5	26°II 3	27°11	4°36	19°10	W 2
T 3	12 46 38	13°33'44	9°II32	18°45	19°51	22°43	24°30	27° 0	8°59	26°45	3° 6	25°53	27° 8	4°42	19°14	T 3
F 4	12 50 35	14°32'55	21°31	20°11	20°10	23°17	24°39	26°57	8°57	26°44	3° 7	25°45	27° 5	4°49	19°17	F 4
S 5	12 54 31	15°32'04	3°2723	21°38	20°26	23°52	24°47	26°55	8°55	26°42	3° 8	25°41	27° 2	4°56	19°21	S 5
S 6	12 58 28	16°31'11	15°11	23° 7	20°40	24°27	24°56	26°52	8°53	26°41	3° 9	25°38	26°59	5° 2	19°24	S 6
M 7	13 2 24	17°30'17	26°59	24°38	20°53	25° 1	25° 4	26°49	8°51	26°40	3°10	25°D38	26°56	5° 9	19°28	M 7
T 8	13 6 21	18°29'21	8°352	26°10	21° 3	25°36	25°13	26°46	8°49	26°39	3°11	25°38	26°52	5°15	19°32	T 8
W 9	13 10 18	19°28'22	20°56	27°44	21°11	26°11	25°22	26°43	8°47	26°38	3°12	25°R38	26°49	5°22	19°35	W 9
T 10	13 14 14	20°27'23	3°315	29°19	21°16	26°46	25°31	26°40	8°45	26°37	3°13	25°37	26°46	5°29	19°39	T 10
F 11	13 18 11	21°26'21	15°55	0°Y56	21°20	27°21	25°40	26°37	8°44	26°35	3°14	25°35	26°43	5°35	19°43	F 11
S 12	13 22 7	22°25'18	29° 0	2°35	21°R20	27°56	25°50	26°33	8°42	26°34	3°15	25°30	26°40	5°42	19°46	S 12
S 13	13 26 4	23°24'12	12°33	4°15	21°19	28°31	25°59	26°30	8°40	26°33	3°16	25°22	26°37	5°49	19°50	S 13
M14	13 30 0	24°23'05	26°33	5°56	21°15	29° 6	26° 9	26°27	8°39	26°32	3°17	25°13	26°33	5°55	19°54	M14
T 15	13 33 57	25°21'56	10°Y58	7°39	21° 9	29°41	26°18	26°23	8°37	26°30	3°19	25° 4	26°30	6° 2	19°58	T 15
W16	13 37 53	26°20'45	25°42	9°23	21° 0	0°317	26°28	26°20	8°36	26°29	3°20	24°55	26°27	6° 9	20° 2	W16
T 17	13 41 50	27°19'33	10°37	11° 9	20°49	0°52	26°38	26°16	8°34	26°28	3°21	24°47	26°24	6°15	20° 6	T 17
F 18	13 45 47	28°18'18	25°34	12°57	20°35	1°27	26°48	26°12	8°33	26°26	3°22	24°42	26°21	6°22	20° 9	F 18
S 19	13 49 43	29°17'01	10°II26	14°46	20°19	2° 2	26°58	26° 9	8°31	26°25	3°23	24°39	26°17	6°29	20°13	S 19
S 20	13 53 40	0°315'42	25° 4	16°37	20° 1	2°38	27° 8	26° 5	8°30	26°23	3°24	24°D38	26°14	6°35	20°17	S 20
M21	13 57 36	1°14'21	9°325	18°29	19°40	3°13	27°18	26° 1	8°29	26°22	3°25	24°38	26°11	6°42	20°21	M21
T 22	14 1 33	2°12'58	23°27	20°23	19°17	3°48	27°29	25°57	8°28	26°20	3°27	24°39	26° 8	6°49	20°25	T 22
W23	14 5 29	3°11'32	7°II 9	22°19	18°51	4°24	27°39	25°53	8°26	26°19	3°28	24°R39	26° 5	6°55	20°29	W23
T 24	14 9 26	4°10'05	20°34	24°16	18°24	4°59	27°50	25°49	8°25	26°18	3°29	24°38	26° 2	7° 2	20°33	T 24
F 25	14 13 22	5° 8'35	3°II41	26°15	17°55	5°35	28° 0	25°45	8°24	26°16	3°30	24°35	25°58	7° 9	20°37	F 25
S 26	14 17 19	6° 7'02	16°34	28°15	17°24	6°10	28°11	25°41	8°23	26°15	3°31	24°29	25°55	7°15	20°41	S 26
S 27	14 21 16	7° 5'28	29°14	0°316	16°51	6°46	28°22	25°37	8°22	26°13	3°33	24°22	25°52	7°22	20°45	S 27
M28	14 25 12	8° 3'52	11°42	2°20	16°17	7°21	28°33	25°33	8°21	26°12	3°34	24°14	25°49	7°29	20°49	M28
T 29	14 29 9	9° 2'13	23°59	4°24	15°42	7°57	28°44	25°29	8°20	26°10	3°35	24° 5	25°46	7°35	20°53	T 29
W30	14 33 5	10°3 0'33	6°II 8	6°30	15°8 5	8°32	28°II55	25°II24	8°II19	26°II 8	3°II36	23°II57	25°II42	7°42	20°57	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n35	1s31	4n45	7s34	2s12	23n11	5n55	24n48	1n39	23n 9	0s 9	17s12	2n22	8n55	0n49	17s43	1n46	8n13	12s45	23n22	23n24	19s 4	15n14	2s20	
W 2	4 58	6 31	4 18	7 5	2 16	23 22	6 0	24 50	1 39	23 9	0 9	17 11	2 22	8 56	0 49	17 42	1 46	8 14	12 45	23 22	23 24	19 6	15 15	2 20	
T 3	5 21	11 12	3 39	6 35	2 19	23 32	6 5	24 52	1 39	23 10	0 9	17 10	2 22	8 57	0 49	17 42	1 46	8 14	12 45	23 22	23 23	19 8	15 16	2 20	
F 4	5 44	15 23	2 51	6 4	2 22	23 42	6 9	24 53	1 38	23 10	0 9	17 9	2 22	8 58	0 49	17 42	1 46	8 15	12 45	23 21	23 23	19 10	15 17	2 20	
S 5	6 7	18 56	1 55	5 32	2 25	23 50	6 14	24 55	1 38	23 11	0 8	17 9	2 22	8 58	0 49	17 42	1 46	8 15	12 45	23 21	23 23	19 12	15 18	2 20	
S 6	6 29	21 41	0 55	4 58	2 26	23 58	6 18	24 56	1 38	23 11	0 8	17 8	2 22	8 59	0 48	17 41	1 46	8 15	12 44	23 21	23 23	19 14	15 19	2 20	
M 7	6 52	23 31	0s 7	4 24	2 28	24 5	6 21	24 58	1 38	23 12	0 8	17 7	2 23	9 0	0 48	17 41	1 46	8 16	12 44	23 21	23 23	19 16	15 20	2 20	
T 8	7 15	24 17	1 10	3 48	2 29	24 11	6 25	24 59	1 38	23 12	0 8	17 6	2 23	9 0	0 48	17 41	1 46	8 16	12 44	23 21	23 23	19 18	15 21	2 20	
W 9	7 37	23 57	2 11	3 11	2 29	24 16	6 28	25 0	1 38	23 13	0 8	17 6	2 23	9 1	0 48	17 40	1 46	8 17	12 44	23 21	23 23	19 20	15 22	2 21	
T 10	7 59	22 26	3 7	2 33	2 29	24 20	6 31	25 0	1 37	23 13	0 8	17 5	2 23	9 2	0 48	17 40	1 46	8 17	12 43	23 21	23 23	19 22	15 23	2 21	
F 11	8 21	19 47	3 55	1 54	2 28	24 24	6 33	25 1	1 37	23 13	0 8	17 4	2 23	9 2	0 48	17 40	1 46	8 17	12 43	23 21	23 23	19 24	15 24	2 21	
S 12	8 43	16 4	4 33	1 14	2 27	24 26	6 35	25 1	1 37	23 14	0 8	17 3	2 23	9 3	0 48	17 39	1 46	8 18	12 43	23 21	23 23	19 25	15 25	2 21	
S 13	9 5	11 25	4 57	0 33	2 26	24 27	6 36	25 2	1 37	23 14	0 7	17 2	2 23	9 4	0 48	17 39	1 46	8 18	12 43	23 20	23 23	19 27	15 26	2 21	
M14	9 27	6 1	5 4	0n 9	2 24	24 27	6 37	25 2	1 37	23 15	0 7	17 1	2 23	9 4	0 48	17 39	1 46	8 19	12 43	23 20	23 23	19 29	15 27	2 21	
T 15	9 48	0 9	4 53	0 52	2 21	24 25	6 38	25 2	1 36	23 15	0 7	17 0	2 23	9 5	0 48	17 38	1 46	8 19	12 42	23 20	23 23	19 31	15 28	2 21	
W16	10 10	5n51	4 22	1 36	2 18	24 23	6 38	25 1	1 36	23 15	0 7	16 59	2 24	9 5	0 48	17 38	1 46	8 19	12 42	23 19	23 22	19 33	15 29	2 21	
T 17	10 31	11 37	3 33	2 21	2 14	24 19	6 37	25 1	1 36	23 16	0 7	16 59	2 24	9 6	0 48	17 38	1 46	8 20	12 42	23 19	23 22	19 35	15 30	2 21	
F 18	10 52	16 43	2 29	3 7	2 10	24 15	6 36	25 1	1 36	23 16	0 7	16 58	2 24	9 6	0 48	17 37	1 46	8 20	12 42	23 19	23 22	19 37	15 31	2 21	
S 19	11 13	20 45	1 16	3 53	2 5	24 8	6 35	25 0	1 36	23 17	0 7	16 57	2 24	9 7	0 48	17 37	1 46	8 20	12 42	23 19	23 22	19 39	15 32	2 21	
S 20	11 33	23 22	0n 2	4 41	2 0	24 1	6 32	24 59	1 35	23 17	0 7	16 56	2 24	9 7	0 48	17 37	1 46	8 21	12 41	23 19	23 22	19 41	15 33	2 21	
M21	11 54	24 24	1 19	5 29	1 55	23 52	6 29	24 58	1 35	23 17	0 6	16 55	2 24	9 8	0 48	17 36	1 46	8 21	12 41	23 19	23 22	19 43	15 34	2 21	
T 22	12 14	23 50	2 29	6 17	1 48	23 42	6 25	24 57	1 35	23 18	0 6	16 54	2 24	9 8	0 48	17 36	1 46	8 22	12 41	23 19	23 22	19 45	15 35	2 21	
W23	12 34	21 50	3 28	7 6	1 42	23 31	6 21	24 56	1 35	23 18	0 6	16 53	2 24	9 8	0 48	17 36	1 46	8 22	12 41	23 19	23 22	19 47	15 36	2 21	
T 24	12 54	18 39	4 15	7 56	1 35	23 18	6 16	24 54	1 34	23 18	0 6	16 52	2 24	9 9	0 48	17 35	1 46	8 22	12 41	23 19	23 22	19 49	15 37	2 21	
F 25	13 14	14 37	4 48	8 46	1 27	23 4	6 10	24 52	1 34	23 18	0 6	16 51	2 24	9 9	0 48	17 35	1 46	8 23	12 41	23 19	23 22	19 51	15 38	2 21	
S 26	13 33	9 58	5 5	9 37	1 19	22 49	6 3	24 51	1 34	23 19	0 6	16 50	2 24	9 10	0 48	17 34	1 46	8 23	12 40	23 18	23 22	19 53	15 39	2 21	
S 27	13 52	4 59	5 6	10 27	1 11	22 32	5 56	24 49	1 34	23 19	0 6	16 49	2 24	9 10	0 48	17 34	1 46	8 23	12 40	23 18	23 21	19 55	15 40	2 21	
M28	14 11	0s 7	4 54	11 18	1 2	22 14	5 48	24 46	1 34	23 19	0 6	16 48	2 24	9 10	0 48	17 34	1 46	8 24	12 40	23 18	23 21	19 56	15 41	2 21	
T 29	14 30	5 9	4 27	12 9	0 53	21 55	5 39	24 44	1 33	23 19	0 6	16 47	2 24	9 11	0 48	17 33	1 46	8 24	12 40	23 17	23 21	19 58	15 42	2 21	
W30	14n48	9s57	3n49	13n 0	0s43	21n35	5n29	24n42	1n33	23n20	0s 5	16s46	2n24	9n11	0n48	17s33	1n46	8n24	12s40	23n17	23n21	20s 0	15n43	2s21	

ASTRODIENST EPHEMERIS for the year 2132
geocentric

MAY 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 37 2	10 ⁸ 58'51	18 ¹⁸ 8	8 ⁸ 36	14 ¹⁸ 28	9 ⁹ 8	29 ¹¹ 6	25 ¹⁸ 20	8 ⁸ 19	26 ¹⁸ 7	3 ¹¹ 38	23 ¹⁸ 51	25 ¹¹ 39	7 ¹⁸ 49	21 ¹⁸ 1	T 1
F 2	14 40 58	11 ¹ 57'08	0 ¹ 1	10 ¹ 44	13 ¹⁸ 51	9 ¹ 44	29 ¹⁷	25 ¹¹ 16	8 ¹⁸ 18	26 ¹⁸ 5	3 ¹ 39	23 ¹¹ 46	25 ¹ 36	7 ¹ 55	21 ¹ 6	F 2
S 3	14 44 55	12 ¹ 55'22	11 ¹ 50	12 ¹ 53	13 ¹ 13	10 ¹ 19	29 ¹ 28	25 ¹ 12	8 ¹ 17	26 ¹ 4	3 ¹ 40	23 ¹ 44	25 ¹ 33	8 ¹ 2	21 ¹ 10	S 3
S 4	14 48 51	13 ¹ 53'35	23 ¹ 37	15 ¹ 2	12 ¹ 35	10 ¹ 55	29 ¹ 40	25 ¹ 7	8 ¹ 17	26 ¹ 2	3 ¹ 41	23 ¹ D43	25 ¹ 30	8 ¹ 8	21 ¹ 14	S 4
M 5	14 52 48	14 ¹ 51'47	5 ¹ 36	17 ¹ 12	11 ¹ 57	11 ¹ 31	29 ¹ 51	25 ¹ 3	8 ¹ 16	26 ¹ 1	3 ¹ 43	23 ¹ 43	25 ¹ 27	8 ¹ 15	21 ¹ 18	M 5
T 6	14 56 45	15 ¹ 49'57	17 ¹ 20	19 ¹ 22	11 ¹ 20	12 ¹ 6	0 ¹ 36	24 ¹ 58	8 ¹ 15	25 ¹ 59	3 ¹ 44	23 ¹ 45	25 ¹ 23	8 ¹ 22	21 ¹ 22	T 6
W 7	15 0 41	16 ¹ 48'06	29 ¹ 24	21 ¹ 31	10 ¹ 44	12 ¹ 42	0 ¹ 14	24 ¹ 54	8 ¹ 15	25 ¹ 57	3 ¹ 45	23 ¹ 47	25 ¹ 20	8 ¹ 28	21 ¹ 26	W 7
T 8	15 4 38	17 ¹ 46'13	11 ¹ 42	23 ¹ 41	10 ¹ 8	13 ¹ 18	0 ¹ 26	24 ¹ 50	8 ¹ 15	25 ¹ 56	3 ¹ 47	23 ¹ 48	25 ¹ 17	8 ¹ 35	21 ¹ 30	T 8
F 9	15 8 34	18 ¹ 44'18	24 ¹ 20	25 ¹ 49	9 ¹ 34	13 ¹ 54	0 ¹ 38	24 ¹ 45	8 ¹ 14	25 ¹ 54	3 ¹ 48	23 ¹ R48	25 ¹ 14	8 ¹ 42	21 ¹ 34	F 9
S 10	15 12 31	19 ¹ 42'23	7 ¹ 22	27 ¹ 57	9 ¹ 1	14 ¹ 30	0 ¹ 50	24 ¹ 41	8 ¹ 14	25 ¹ 53	3 ¹ 49	23 ¹ 46	25 ¹ 11	8 ¹ 48	21 ¹ 39	S 10
S 11	15 16 27	20 ¹ 40'26	20 ¹ 50	0 ¹ 11	8 ¹ 30	15 ¹ 6	1 ¹ 2	24 ¹ 36	8 ¹ 14	25 ¹ 51	3 ¹ 51	23 ¹ 44	25 ¹ 8	8 ¹ 55	21 ¹ 43	S 11
M 12	15 20 24	21 ¹ 38'27	4 ¹ 46	2 ¹ 8	8 ¹ 0	15 ¹ 41	1 ¹ 14	24 ¹ 32	8 ¹ 13	25 ¹ 49	3 ¹ 52	23 ¹ 40	25 ¹ 4	9 ¹ 2	21 ¹ 47	M 12
T 13	15 24 20	22 ¹ 36'27	19 ¹ 10	4 ¹ 11	7 ¹ 33	16 ¹ 17	1 ¹ 26	24 ¹ 27	8 ¹ 13	25 ¹ 48	3 ¹ 53	23 ¹ 35	25 ¹ 1	9 ¹ 8	21 ¹ 51	T 13
W 14	15 28 17	23 ¹ 34'26	3 ¹ 57	6 ¹ 12	7 ¹ 7	16 ¹ 53	1 ¹ 38	24 ¹ 23	8 ¹ 13	25 ¹ 46	3 ¹ 55	23 ¹ 31	24 ¹ 58	9 ¹ 15	21 ¹ 55	W 14
T 15	15 32 14	24 ¹ 32'23	19 ¹ 0	8 ¹ 10	6 ¹ 43	17 ¹ 29	1 ¹ 50	24 ¹ 18	8 ¹ D13	25 ¹ 45	3 ¹ 56	23 ¹ 27	24 ¹ 55	9 ¹ 22	21 ¹ 59	T 15
F 16	15 36 10	25 ¹ 30'20	4 ¹ 10	10 ¹ 6	6 ¹ 22	18 ¹ 5	2 ¹ 2	24 ¹ 14	8 ¹ 13	25 ¹ 43	3 ¹ 57	23 ¹ 25	24 ¹ 52	9 ¹ 28	22 ¹ 3	F 16
S 17	15 40 7	26 ¹ 28'14	19 ¹ 18	12 ¹ 0	6 ¹ 3	18 ¹ 41	2 ¹ 14	24 ¹ 9	8 ¹ 13	25 ¹ 41	3 ¹ 59	23 ¹ D24	24 ¹ 48	9 ¹ 35	22 ¹ 8	S 17
S 18	15 44 3	27 ¹ 26'07	4 ¹ 14	13 ¹ 50	5 ¹ 46	19 ¹ 17	2 ¹ 27	24 ¹ 5	8 ¹ 13	25 ¹ 40	4 ¹ 0	23 ¹ 24	24 ¹ 45	9 ¹ 42	22 ¹ 12	S 18
M 19	15 48 0	28 ¹ 23'58	18 ¹ 52	15 ¹ 38	5 ¹ 32	19 ¹ 53	2 ¹ 39	24 ¹ 0	8 ¹ 13	25 ¹ 38	4 ¹ 1	23 ¹ 25	24 ¹ 42	9 ¹ 48	22 ¹ 16	M 19
T 20	15 51 56	29 ¹ 21'48	3 ¹ 10	17 ¹ 23	5 ¹ 20	20 ¹ 30	2 ¹ 52	23 ¹ 56	8 ¹ 14	25 ¹ 36	4 ¹ 3	23 ¹ 27	24 ¹ 39	9 ¹ 55	22 ¹ 20	T 20
W 21	15 55 53	0 ¹ 19'36	16 ¹ 59	19 ¹ 4	5 ¹ 10	21 ¹ 6	3 ¹ 4	23 ¹ 51	8 ¹ 14	25 ¹ 35	4 ¹ 4	23 ¹ 28	24 ¹ 36	10 ¹ 2	22 ¹ 24	W 21
T 22	15 59 49	1 ¹ 17'22	0 ¹ 26	20 ¹ 43	5 ¹ 3	21 ¹ 42	3 ¹ 17	23 ¹ 47	8 ¹ 14	25 ¹ 33	4 ¹ 5	23 ¹ R28	24 ¹ 33	10 ¹ 8	22 ¹ 28	T 22
F 23	16 3 46	2 ¹ 15'06	13 ¹ 32	22 ¹ 18	4 ¹ 58	22 ¹ 18	3 ¹ 29	23 ¹ 42	8 ¹ 15	25 ¹ 32	4 ¹ 7	23 ¹ 28	24 ¹ 29	10 ¹ 15	22 ¹ 32	F 23
S 24	16 7 43	3 ¹ 12'49	26 ¹ 18	23 ¹ 50	4 ¹ 55	22 ¹ 54	3 ¹ 42	23 ¹ 38	8 ¹ 15	25 ¹ 30	4 ¹ 8	23 ¹ 26	24 ¹ 26	10 ¹ 21	22 ¹ 36	S 24
S 25	16 11 39	4 ¹ 10'30	8 ¹ 47	25 ¹ 18	4 ¹ D55	23 ¹ 30	3 ¹ 55	23 ¹ 34	8 ¹ 15	25 ¹ 28	4 ¹ 9	23 ¹ 24	24 ¹ 23	10 ¹ 28	22 ¹ 41	S 25
M 26	16 15 36	5 ¹ 8'10	21 ¹ 3	26 ¹ 44	4 ¹ 58	24 ¹ 6	4 ¹ 7	23 ¹ 29	8 ¹ 16	25 ¹ 27	4 ¹ 11	23 ¹ 22	24 ¹ 20	10 ¹ 35	22 ¹ 45	M 26
T 27	16 19 32	6 ¹ 5'48	3 ¹ 10	28 ¹ 5	5 ¹ 2	24 ¹ 43	4 ¹ 20	23 ¹ 25	8 ¹ 17	25 ¹ 25	4 ¹ 12	23 ¹ 19	24 ¹ 17	10 ¹ 41	22 ¹ 49	T 27
W 28	16 23 29	7 ¹ 3'25	15 ¹ 6	29 ¹ 24	5 ¹ 9	25 ¹ 19	4 ¹ 33	23 ¹ 21	8 ¹ 17	25 ¹ 23	4 ¹ 14	23 ¹ 16	24 ¹ 14	10 ¹ 48	22 ¹ 53	W 28
T 29	16 27 25	8 ¹ 1'01	26 ¹ 59	0 ¹ 38	5 ¹ 18	25 ¹ 55	4 ¹ 46	23 ¹ 16	8 ¹ 18	25 ¹ 22	4 ¹ 15	23 ¹ 15	24 ¹ 10	10 ¹ 55	22 ¹ 57	T 29
F 30	16 31 22	8 ¹ 58'36	8 ¹ 48	1 ¹ 50	5 ¹ 29	26 ¹ 31	4 ¹ 59	23 ¹ 12	8 ¹ 19	25 ¹ 20	4 ¹ 16	23 ¹ 13	24 ¹ 7	11 ¹ 1	23 ¹ 1	F 30
S 31	16 35 18	9 ¹ 15'09	20 ¹ 35	2 ¹ 57	5 ¹ 42	27 ¹ 8	5 ¹ 12	23 ¹ 10	8 ¹ 19	25 ¹ 19	4 ¹ 18	23 ¹ D13	24 ¹ 11	11 ¹ 8	23 ¹ 5	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	15n 7	14s19	3n 1	13n50	0s33	21n15	5n19	24n39	1n33	23n20	0s 5	16s45	2n24	9n11	0n48	17s33	1n46	8n25	12s40	23n17	23n21	20s 2	15n44	2s21			
F 2	15 25	18 6	2 5	14 40	0 23	20 53	5 8	24 36	1 33	23 20	0 5	16 44	2 24	9 11	0 48	17 32	1 46	8 25	12 40	23 17	23 21	20 4	15 45	2 21			
S 3	15 42	21 8	1 4	15 30	0 13	20 30	4 57	24 33	1 32	23 20	0 5	16 43	2 24	9 12	0 48	17 32	1 46	8 26	12 40	23 16	23 21	20 6	15 46	2 21			
S 4	16 0	23 16	0 0	16 18	0 2	20 7	4 45	24 30	1 32	23 20	0 5	16 42	2 24	9 12	0 48	17 31	1 46	8 26	12 39	23 16	23 21	20 8	15 47	2 21			
M 5	16 17	24 22	1s 3	17 6	0n 8	19 43	4 32	24 27	1 32	23 20	0 5	16 41	2 24	9 12	0 47	17 31	1 46	8 26	12 39	23 16	23 21	20 10	15 48	2 21			
T 6	16 34	24 22	2 5	17 52	0 19	19 20	4 19	24 23	1 32	23 21	0 5	16 40	2 24	9 12	0 47	17 31	1 47	8 27	12 39	23 16	23 21	20 12	15 49	2 22			
W 7	16 51	23 14	3 2	18 36	0 30	18 55	4 6	24 20	1 31	23 21	0 5	16 38	2 24	9 12	0 47	17 30	1 47	8 27	12 39	23 17	23 20	20 13	15 50	2 22			
T 8	17 7	20 59	3 52	19 20	0 40	18 31	3 52	24 16	1 31	23 21	0 5	16 37	2 24	9 12	0 47	17 30	1 47	8 27	12 39	23 17	23 20	20 15	15 51	2 22			
F 9	17 23	17 41	4 32	20 1	0 50	18 7	3 38	24 12	1 31	23 21	0 4	16 36	2 24	9 12	0 47	17 30	1 47	8 28	12 39	23 17	23 20	20 17	15 52	2 22			
S 10	17 39	13 26	5 0	20 40	1 0	17 43	3 24	24 8	1 31	23 21	0 4	16 35	2 24	9 13	0 47	17 29	1 47	8 28	12 39	23 17	23 20	20 19	15 53	2 22			
S 11	17 54	8 25	5 12	21 17	1 10	17 19	3 10	24 4	1 30	23 21	0 4	16 34	2 24	9 13	0 47	17 29	1 47	8 28	12 39	23 16	23 20	20 21	15 54	2 22			
M 12	18 10	2 48	5 7	21 52	1 19	16 56	2 55	23 59	1 30	23 21	0 4	16 33	2 24	9 13	0 47	17 28	1 47	8 29	12 39	23 16	23 20	20 23	15 55	2 22			
T 13	18 25	3n 8	4 42	22 24	1 28	16 33	2 41	23 55	1 30	23 21	0 4	16 32	2 24	9 13	0 47	17 28	1 47	8 29	12 38	23 16	23 20	20 25	15 56	2 22			
W 14	18 39	9 5	3 59	22 54	1 36	16 11	2 26	23 50	1 29	23 21	0 4	16 31	2 24	9 13	0 47	17 28	1 47	8 29	12 38	23 16	23 20	20 26	15 57	2 22			
T 15	18 53	14 36	2 58	23 21	1 43	15 50	2 12	23 45	1 29	23 21	0 4	16 30	2 24	9 13	0 47	17 27	1 47	8 29	12 38	23 16	23 19	20 28	15 58	2 22			
F 16	19 7	19 16	1 44	23 46	1 50	15 29	1 58	23 40	1 29	23 21	0 4	16 29	2 24	9 13	0 47	17 27	1 47	8 30	12 38	23 16	23 19	20 30	15 59	2 22			
S 17	19 21	22 37	0 23	24 8	1 57	15 9	1 44	23 35	1 29	23 21	0 4	16 28	2 24	9 13	0 47	17 27	1 47	8 30	12 38	23 15	23 19	20 32	16 0	2 22			
S 18	19 34	24 21	0n59	24 28	2 2	14 51	1 30	23 30	1 28	23 21	0 3	16 27	2 24	9 12	0 47	17 26	1 47	8 30	12 38	23 15	23 19	20 34	16 1	2 22			
M 19	19 47	24 20	2 16	24 45	2 7	14 33	1 16	23 24	1 28	23 20	0 3	16 26	2 24	9 12	0 47	17 26	1 47	8 31	12 38	23 16	23 19	20 36	16 1	2 23			
T 20	20 0	22 43	3 22	24 59	2 11	14 16	1 2	23 18	1 28	23 20	0 3	16 25	2 24	9 12	0 47	17 25	1 47	8 31	12 38	23 16	23 19	20 37	16 2	2 23			
W 21	20 12	19 46	4 14	25 12	2 14	14 1	0 49	23 13	1 28	23 20	0 3	16 24	2 24	9 12	0 47	17 25	1 47	8 31	12 38	23 16	23 19	20 39	16 3	2 23			
T 22	20 24	15 50	4 50	25 21	2 16	13 46	0 36	23 7	1 27	23 20	0 3	16 23	2 24	9 12	0 47	17 25	1 47	8 31	12 38	23 16	23 19	20 41	16 4	2 23			
F 23	20 36	11 15	5 11	25 29	2 17	13 33	0 24	23 1	1 27	23 20	0 3	16 22	2 24	9 12	0 47	17 24	1 47	8 32	12 38	23 16	23 18	20 43	16 5	2 23			
S 24	20 47	6 17	5 15	25 35	2 18	13 20	0 12	22 54	1 27	23 19	0 3	16 21	2 24	9 12	0 47	17 24	1 46	8 32	12 38	23 16	23 18	20 45	16 6	2 23			
S 25	20 58	1 11	5 4	25 38	2 18	13 9	0s 0	22 48	1 26	23 19	0 3	16 20	2 24	9 11	0 47	17 24	1 46	8 32	12 38	23 15	23 18	20 46	16 7	2 23			
M 26	21 8	3s53	4 40	25 40	2 17	12 59	0 12	22 41	1 26	23 19	0 3	16 19	2 24	9 11	0 47	17 23	1 46	8 33	12 38	23 15	23 18	20 48	16 8	2 23			
T 27	21 19	8 45	4 3	25 39	2 15	12 50	0 23	22 35	1 26	23 19	0 3	16 18	2 23	9 11	0 47	17 23	1 46	8 33	12 38	23 15	23 18	20 50	16 9	2 23			
W 28	21 28	13 14	3 16	25 37	2 12	12 42	0 33	22 28	1 26	23 18	0 2	16 17	2 23	9 11	0 47	17 22	1 46	8 33	12 38	23 15	23 18	20 52	16 10	2 23			
T 29	21 38	17 12	2 20	25 34	2 8	12 35	0 44	22 21	1 25	23 18	0 2	16 16	2 23	9 10	0 46	17 22	1 46	8 33	12 38	23 15	23 18	20 54	16 11	2 24			
F 30	21 47	20 27	1 19	25 28	2 4	12 30	0 54	22 13	1 25	23 17	0 2	16 15	2 23	9 10	0 46	17 22	1 46	8 34	12 38	23 15	23 17	20 55	16 12	2 24			
S 31	21n55	22s51	0n15	25n22	1n58	12n25	1s 3	22n 6	1n25	23n17	0s 2	16s14	2n23	9n10	0n46	17s21	1n46	8n34	12s38	23n15	23n17	20s57	16n13	2s24			

ASTRODIENST EPHEMERIS for the year 2132

geocentric

JUNE 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 39 15	10 ^{II} 53'41	2 ^{III} 24	4 ^{III} 1	5 ^{III} 57	27 ^{III} 44	5 ^{III} 25	23°R 4	8 ^{III} 20	25°R17	4 ^{III} 19	23 ^{III} 13	24 ^{III} 1	11 ^{III} 15	23 ^{III} 9	S 1
M 2	16 43 12	11°51'13	14°17	5° 1	6°14	28°20	5°38	22 ^{III} 59	8°21	25 ^{III} 16	4°20	23°14	23°58	11°21	23°13	M 2
T 3	16 47 8	12°48'43	26°17	5°57	6°33	28°57	5°51	22°55	8°22	25°14	4°22	23°15	23°54	11°28	23°17	T 3
W 4	16 51 5	13°46'13	8 ^{III} 26	6°50	6°54	29°33	6° 4	22°51	8°23	25°13	4°23	23°16	23°51	11°35	23°21	W 4
T 5	16 55 1	14°43'42	20°48	7°38	7°16	0 ^{III} 9	6°17	22°47	8°24	25°11	4°24	23°16	23°48	11°41	23°25	T 5
F 6	16 58 58	15°41'09	3 ^{III} 27	8°23	7°41	0°46	6°30	22°43	8°25	25°10	4°26	23°17	23°45	11°48	23°29	F 6
S 7	17 2 54	16°38'37	16°26	9° 3	8° 7	1°22	6°43	22°39	8°27	25° 8	4°27	23°R17	23°42	11°55	23°33	S 7
S 8	17 6 51	17°36'03	29°48	9°39	8°34	1°59	6°57	22°35	8°28	25° 7	4°28	23°17	23°39	12° 1	23°36	S 8
M 9	17 10 47	18°33'29	13 ^{III} Y36	10°11	9° 3	2°35	7°10	22°32	8°29	25° 5	4°30	23°17	23°35	12° 8	23°40	M 9
T 10	17 14 44	19°30'55	27°49	10°38	9°34	3°12	7°23	22°28	8°30	25° 4	4°31	23°16	23°32	12°14	23°44	T 10
W11	17 18 41	20°28'19	12 ^{III} 26	11° 1	10° 6	3°48	7°36	22°24	8°32	25° 2	4°32	23°16	23°29	12°21	23°48	W11
T 12	17 22 37	21°25'44	27°21	11°20	10°39	4°25	7°50	22°20	8°33	25° 1	4°34	23°16	23°26	12°28	23°52	T 12
F 13	17 26 34	22°23'07	12 ^{III} 28	11°34	11°13	5° 1	8° 3	22°17	8°35	24°59	4°35	23°16	23°23	12°34	23°56	F 13
S 14	17 30 30	23°20'31	27°38	11°43	11°49	5°38	8°17	22°13	8°36	24°58	4°36	23°16	23°20	12°41	23°59	S 14
S 15	17 34 27	24°17'53	12 ^{III} 42	11°48	12°26	6°14	8°30	22°10	8°38	24°57	4°38	23°16	23°16	12°48	24° 3	S 15
M16	17 38 23	25°15'14	27°31	11°R48	13° 4	6°51	8°43	22° 6	8°39	24°55	4°39	23°15	23°13	12°54	24° 7	M16
T 17	17 42 20	26°12'35	11 ^{III} Ω 58	11°44	13°43	7°28	8°57	22° 3	8°41	24°54	4°40	23°15	23°10	13° 1	24°11	T 17
W18	17 46 17	27° 9'55	26° 0	11°36	14°24	8° 4	9°10	22° 0	8°43	24°53	4°41	23°15	23° 7	13° 8	24°14	W18
T 19	17 50 13	28° 7'14	9 ^{III} 35	11°23	15° 5	8°41	9°24	21°57	8°44	24°51	4°43	23°14	23° 4	13°14	24°18	T 19
F 20	17 54 10	29° 4'32	22°44	11° 6	15°47	9°18	9°37	21°54	8°46	24°50	4°44	23°14	23° 0	13°21	24°21	F 20
S 21	17 58 6	0 ^{III} 1'49	5 ^{III} 31	10°45	16°31	9°54	9°51	21°50	8°48	24°49	4°45	23°D14	22°57	13°28	24°25	S 21
S 22	18 2 3	0°59'05	17°57	10°21	17°15	10°31	10° 4	21°47	8°50	24°48	4°46	23°15	22°54	13°34	24°29	S 22
M23	18 5 59	1°56'21	0 ^{III} 8	9°54	18° 0	11° 8	10°18	21°45	8°52	24°46	4°48	23°15	22°51	13°41	24°32	M23
T 24	18 9 56	2°53'36	12° 7	9°24	18°46	11°44	10°32	21°42	8°54	24°45	4°49	23°16	22°48	13°48	24°36	T 24
W25	18 13 52	3°50'50	23°59	8°52	19°32	12°21	10°45	21°39	8°56	24°44	4°50	23°17	22°45	13°54	24°39	W25
T 26	18 17 49	4°48'04	5 ^{III} 48	8°19	20°20	12°58	10°59	21°36	8°58	24°43	4°51	23°18	22°41	14° 1	24°42	T 26
F 27	18 21 46	5°45'17	17°35	7°44	21° 8	13°35	11°12	21°34	9° 0	24°42	4°52	23°R18	22°38	14° 8	24°46	F 27
S 28	18 25 42	6°42'30	29°25	7° 9	21°57	14°12	11°26	21°31	9° 2	24°40	4°54	23°18	22°35	14°14	24°49	S 28
S 29	18 29 39	7°39'43	11 ^{III} 319	6°33	22°46	14°48	11°39	21°29	9° 5	24°39	4°55	23°18	22°32	14°21	24°53	S 29
M30	18 33 35	8 ^{III} 36'56	23 ^{III} 21	5 ^{III} 59	23 ^{III} 37	15 ^{III} Ω25	11 ^{III} 53	21 ^{III} 26	9 ^{III} 7	24 ^{III} 38	4 ^{III} 56	23 ^{III} 16	22 ^{III} 29	14 ^{III} 27	24 ^{III} 56	M30

Day	☉	☽		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n 4	24s15	0s51	25n14	1n52	12n21	1s13	21n59	1n24	23n17	0s 2	16s13	2n23	9n 9	0n46	17s21	1n46	8n34	12s38	23n15	23n17	20s59	16n13	2s24	
M 2	22 12	24 33	1 54	25 5	1 45	12 18	1 21	21 51	1 24	23 16	0 2	16 12	2 23	9 9	0 46	17 21	1 46	8 34	12 38	23 15	23 17	21 1	16 14	2 24	
T 3	22 19	23 43	2 53	24 54	1 37	12 17	1 30	21 43	1 24	23 16	0 2	16 11	2 23	9 8	0 46	17 20	1 46	8 35	12 38	23 15	23 17	21 2	16 15	2 24	
W 4	22 26	21 46	3 46	24 43	1 29	12 16	1 38	21 35	1 23	23 15	0 2	16 10	2 23	9 8	0 46	17 20	1 46	8 35	12 38	23 15	23 17	21 4	16 16	2 24	
T 5	22 33	18 47	4 28	24 31	1 19	12 16	1 46	21 27	1 23	23 15	0 2	16 10	2 22	9 8	0 46	17 20	1 46	8 35	12 38	23 15	23 17	21 6	16 17	2 24	
F 6	22 39	14 53	4 59	24 18	1 9	12 17	1 53	21 19	1 23	23 14	0 2	16 9	2 22	9 7	0 46	17 19	1 46	8 35	12 38	23 15	23 16	21 8	16 18	2 25	
S 7	22 45	10 12	5 15	24 4	0 58	12 18	2 0	21 11	1 23	23 14	0 1	16 8	2 22	9 7	0 46	17 19	1 46	8 35	12 38	23 15	23 16	21 9	16 18	2 25	
S 8	22 51	4 54	5 16	23 50	0 46	12 21	2 7	21 2	1 22	23 13	0 1	16 7	2 22	9 6	0 46	17 19	1 46	8 36	12 38	23 15	23 16	21 11	16 19	2 25	
M 9	22 56	0n47	4 58	23 35	0 33	12 24	2 13	20 54	1 22	23 12	0 1	16 6	2 22	9 6	0 46	17 18	1 46	8 36	12 38	23 15	23 16	21 13	16 20	2 25	
T 10	23 0	6 37	4 22	23 19	0 20	12 28	2 20	20 45	1 22	23 12	0 1	16 5	2 22	9 5	0 46	17 18	1 46	8 36	12 38	23 15	23 16	21 15	16 21	2 25	
W11	23 5	12 15	3 28	23 4	0 6	12 32	2 25	20 36	1 21	23 11	0 1	16 5	2 21	9 5	0 46	17 18	1 46	8 36	12 38	23 15	23 16	21 16	16 22	2 25	
T 12	23 9	17 18	2 19	22 48	0s 9	12 37	2 31	20 27	1 21	23 10	0 1	16 4	2 21	9 4	0 46	17 17	1 46	8 36	12 38	23 15	23 16	21 18	16 23	2 25	
F 13	23 12	21 17	1 0	22 31	0 24	12 43	2 36	20 18	1 21	23 10	0 1	16 3	2 21	9 3	0 46	17 17	1 46	8 37	12 38	23 15	23 15	21 20	16 23	2 26	
S 14	23 15	23 48	0n24	22 15	0 40	12 49	2 41	20 9	1 20	23 9	0 1	16 2	2 21	9 3	0 46	17 17	1 46	8 37	12 38	23 15	23 15	21 21	16 24	2 26	
S 15	23 18	24 35	1 46	21 58	0 56	12 56	2 45	19 59	1 20	23 8	0 1	16 2	2 21	9 2	0 46	17 16	1 46	8 37	12 38	23 15	23 15	21 23	16 25	2 26	
M16	23 20	23 34	2 59	21 42	1 12	13 3	2 50	19 50	1 20	23 8	0 1	16 1	2 21	9 2	0 46	17 16	1 46	8 37	12 38	23 15	23 15	21 25	16 26	2 26	
T 17	23 22	21 1	3 59	21 26	1 29	13 11	2 54	19 40	1 19	23 7	0 0	16 0	2 20	9 1	0 46	17 16	1 46	8 37	12 38	23 15	23 15	21 27	16 26	2 26	
W18	23 24	17 16	4 43	21 10	1 46	13 19	2 57	19 31	1 19	23 6	0 0	16 0	2 20	9 0	0 46	17 16	1 46	8 37	12 38	23 15	23 15	21 28	16 27	2 26	
T 19	23 25	12 44	5 9	20 54	2 2	13 28	3 1	19 21	1 19	23 5	0 0	15 59	2 20	9 0	0 46	17 15	1 46	8 37	12 38	23 15	23 14	21 30	16 28	2 27	
F 20	23 25	7 44	5 18	20 39	2 19	13 37	3 4	19 11	1 18	23 4	0 0	15 58	2 20	8 59	0 46	17 15	1 46	8 38	12 38	23 15	23 14	21 32	16 29	2 27	
S 21	23 25	2 34	5 10	20 24	2 36	13 46	3 7	19 0	1 18	23 3	0 0	15 58	2 20	8 58	0 46	17 15	1 46	8 38	12 38	23 15	23 14	21 33	16 29	2 27	
S 22	23 25	2s35	4 49	20 10	2 52	13 56	3 10	18 50	1 18	23 2	0n 0	15 57	2 19	8 57	0 46	17 14	1 46	8 38	12 38	23 15	23 14	21 35	16 30	2 27	
M23	23 24	7 32	4 14	19 56	3 7	14 6	3 13	18 40	1 17	23 1	0 0	15 57	2 19	8 57	0 45	17 14	1 46	8 38	12 39	23 15	23 14	21 37	16 31	2 27	
T 24	23 23	12 8	3 29	19 44	3 22	14 16	3 15	18 29	1 17	23 1	0 0	15 56	2 19	8 56	0 45	17 14	1 46	8 38	12 39	23 15	23 14	21 38	16 31	2 27	
W25	23 22	16 14	2 36	19 32	3 36	14 26	3 17	18 19	1 17	23 0	0 0	15 56	2 19	8 55	0 45	17 14	1 46	8 38	12 39	23 15	23 13	21 40	16 32	2 28	
T 26	23 20	19 41	1 36	19 21	3 49	14 37	3 19	18 8	1 16	22 59	0 0	15 55	2 19	8 54	0 45	17 13	1 46	8 38	12 39	23 15	23 13	21 42	16 33	2 28	
F 27	23 18	22 19	0 32	19 11	4 1	14 48	3 21	17 57	1 16	22 57	0 0	15 55	2 18	8 53	0 45	17 13	1 46	8 38	12 39	23 15	23 13	21 43	16 33	2 28	
S 28	23 15	23 59	0s34	19 2	4 12	14 59	3 22	17 46	1 16	22 56	0 1	15 54	2 18	8 53	0 45	17 13	1 46	8 39	12 39	23 15	23 13	21 45	16 34	2 28	
S 29	23 12	24 34	1 38	18 55	4 21	15 10	3 23	17 35	1 15	22 55	0 1	15 54	2 18	8 52	0 45	17 13	1 46	8 39	12 39	23 15	23 13	21 47	16 34	2 28	
M30	23n 9	24s 1	2s39	18n48	4s29	15n22	3s24	17n24	1n15	22n54	0n 1	15s54	2n18	8n51	0n45	17s13	1n45	8n39	12s39	23n15	23n13	21s48	16n35	2s28	

ASTRODIENST EPHEMERIS for the year 2132
geocentric

JULY 2132

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 37 32	9♂34'08	5♂30	5°R26	24♂28	16♂2	12♂7	21°R24	9♂9	24°R37	4♂57	23°R14	22♂26	14♂34	24♂59	T 1
W 2	18 41 28	10°31'20	17°51	4♂54	25°19	16°39	12°20	21♂22	9°11	24♂36	4°58	23♂12	22°22	14°41	25°2	W 2
T 3	18 45 25	11°28'32	0♂23	4°25	26°12	17°16	12°34	21°20	9°14	24°35	4°59	23°9	22°19	14°47	25°5	T 3
F 4	18 49 21	12°25'45	13°10	3°59	27°5	17°53	12°47	21°18	9°16	24°34	5°1	23°7	22°16	14°54	25°9	F 4
S 5	18 53 18	13°22'57	26°14	3°37	27°58	18°30	13°1	21°16	9°19	24°33	5°2	23°5	22°13	15°1	25°12	S 5
S 6	18 57 15	14°20'10	9♂35	3°18	28°52	19°7	13°15	21°14	9°21	24°32	5°3	23°D 4	22°10	15°7	25°15	S 6
M 7	19 1 11	15°17'23	23°16	3°3	29°46	19°44	13°28	21°12	9°24	24°32	5°4	23°5	22°6	15°14	25°18	M 7
T 8	19 5 8	16°14'36	7♂18	2°53	0♂41	20°21	13°42	21°11	9°26	24°31	5°5	23°5	22°3	15°21	25°21	T 8
W 9	19 9 4	17°11'49	21°38	2°47	1°37	20°58	13°55	21°9	9°29	24°30	5°6	23°7	22°0	15°27	25°24	W 9
T 10	19 13 1	18°9'03	6♂17	2°D46	2°33	21°35	14°9	21°8	9°31	24°29	5°7	23°8	21°57	15°34	25°27	T 10
F 11	19 16 57	19°6'18	21°8	2°51	3°29	22°12	14°23	21°6	9°34	24°28	5°8	23°R 9	21°54	15°41	25°29	F 11
S 12	19 20 54	20°3'32	6♂5	3°0	4°26	22°49	14°36	21°5	9°37	24°27	5°9	23°8	21°51	15°47	25°32	S 12
S 13	19 24 50	21°0'47	21°1	3°15	5°23	23°26	14°50	21°4	9°40	24°27	5°10	23°6	21°47	15°54	25°35	S 13
M14	19 28 47	21°58'02	5♂47	3°35	6°21	24°3	15°3	21°3	9°42	24°26	5°11	23°3	21°44	16°1	25°38	M14
T 15	19 32 44	22°55'17	20°16	4°0	7°19	24°41	15°17	21°2	9°45	24°25	5°12	22°59	21°41	16°7	25°41	T 15
W16	19 36 40	23°52'33	4♂23	4°30	8°18	25°18	15°30	21°1	9°48	24°25	5°13	22°55	21°38	16°14	25°43	W16
T 17	19 40 37	24°49'48	18°3	5°6	9°16	25°55	15°44	21°0	9°51	24°24	5°14	22°51	21°35	16°20	25°46	T 17
F 18	19 44 33	25°47'03	1♂18	5°47	10°16	26°32	15°57	20°59	9°54	24°24	5°15	22°47	21°32	16°27	25°48	F 18
S 19	19 48 30	26°44'19	14°7	6°33	11°15	27°9	16°11	20°59	9°57	24°23	5°16	22°45	21°28	16°34	25°51	S 19
S 20	19 52 26	27°41'34	26°34	7°25	12°15	27°47	16°24	20°58	10°0	24°22	5°17	22°D44	21°25	16°40	25°53	S 20
M21	19 56 23	28°38'50	8♂44	8°21	13°15	28°24	16°38	20°58	10°3	24°22	5°18	22°45	21°22	16°47	25°56	M21
T 22	20 0 19	29°36'06	20°42	9°23	14°16	29°1	16°51	20°57	10°6	24°21	5°19	22°46	21°19	16°54	25°58	T 22
W23	20 4 16	0♂33'22	2♂32	10°29	15°17	29°39	17°4	20°57	10°9	24°21	5°19	22°48	21°16	17°0	26°0	W23
T 24	20 8 13	1°30'39	14°20	11°41	16°18	0♂16	17°18	20°57	10°12	24°21	5°20	22°49	21°12	17°7	26°3	T 24
F 25	20 12 9	2°27'55	26°9	12°57	17°19	0°53	17°31	20°D57	10°15	24°20	5°21	22°R49	21°9	17°14	26°5	F 25
S 26	20 16 6	3°25'13	8♂3	14°18	18°21	1°31	17°44	20°57	10°19	24°20	5°22	22°48	21°6	17°20	26°7	S 26
S 27	20 20 2	4°22'31	20°5	15°43	19°23	2°8	17°58	20°57	10°22	24°20	5°23	22°45	21°3	17°27	26°9	S 27
M28	20 23 59	5°19'49	2♂18	17°13	20°26	2°46	18°11	20°57	10°25	24°19	5°23	22°40	21°0	17°34	26°11	M28
T 29	20 27 55	6°17'08	14°43	18°47	21°28	3°23	18°24	20°58	10°28	24°19	5°24	22°33	20°57	17°40	26°13	T 29
W30	20 31 52	7°14'28	27°20	20°25	22°31	4°1	18°37	20°58	10°32	24°19	5°25	22°26	20°53	17°47	26°15	W30
T 31	20 35 48	8♂11'48	10♂11	22♂7	23♂34	4♂38	18♂51	20♂59	10♂35	24♂19	5♂26	22♂18	20♂50	17♂53	26♂17	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 5	22s19	3s33	18n43	4s36	15n33	3s25	17n12	1n15	22n53	0n 1	15s53	2n18	8n50	0n45	17s12	1n45	8n39	12s39	23n15	23n12	21s50	16n36	2s29					
W 2	23 0	19 33	4 18	18 40	4 40	15 45	3 26	17 1	1 14	22 52	0 1	15 53	2 17	8 49	0 45	17 12	1 45	8 39	12 39	23 15	23 12	21 51	16 36	2 29					
T 3	22 56	15 52	4 51	18 37	4 44	15 56	3 27	16 49	1 14	22 51	0 1	15 52	2 17	8 48	0 45	17 12	1 45	8 39	12 40	23 15	23 12	21 53	16 37	2 29					
F 4	22 50	11 23	5 11	18 36	4 46	16 8	3 27	16 38	1 14	22 50	0 1	15 52	2 17	8 47	0 45	17 12	1 45	8 39	12 40	23 15	23 12	21 55	16 37	2 29					
S 5	22 45	6 19	5 15	18 36	4 46	16 20	3 27	16 26	1 13	22 48	0 1	15 52	2 17	8 46	0 45	17 12	1 45	8 39	12 40	23 15	23 12	21 56	16 38	2 29					
S 6	22 39	0 51	5 3	18 38	4 45	16 31	3 27	16 14	1 13	22 47	0 1	15 52	2 16	8 45	0 45	17 11	1 45	8 39	12 40	23 14	23 11	21 58	16 38	2 30					
M 7	22 33	4n48	4 33	18 41	4 42	16 43	3 27	16 2	1 13	22 46	0 1	15 51	2 16	8 44	0 45	17 11	1 45	8 39	12 40	23 14	23 11	21 59	16 39	2 30					
T 8	22 26	10 22	3 46	18 45	4 38	16 54	3 27	15 50	1 12	22 45	0 2	15 51	2 16	8 43	0 45	17 11	1 45	8 39	12 40	23 15	23 11	22 1	16 39	2 30					
W 9	22 19	15 30	2 45	18 51	4 33	17 6	3 26	15 38	1 12	22 43	0 2	15 51	2 16	8 42	0 45	17 11	1 45	8 39	12 40	23 15	23 11	22 3	16 40	2 30					
T 10	22 12	19 50	1 32	18 57	4 27	17 17	3 26	15 26	1 12	22 42	0 2	15 51	2 15	8 41	0 45	17 11	1 45	8 39	12 41	23 15	23 11	22 4	16 40	2 30					
F 11	22 4	22 56	0 11	19 5	4 19	17 29	3 25	15 13	1 11	22 41	0 2	15 51	2 15	8 40	0 45	17 11	1 45	8 39	12 41	23 15	23 10	22 6	16 41	2 31					
S 12	21 55	24 27	1n11	19 13	4 10	17 40	3 24	15 1	1 11	22 39	0 2	15 51	2 15	8 39	0 45	17 11	1 45	8 39	12 41	23 15	23 10	22 7	16 41	2 31					
S 13	21 47	24 12	2 27	19 22	4 1	17 51	3 23	14 48	1 10	22 38	0 2	15 51	2 15	8 38	0 45	17 10	1 45	8 39	12 41	23 15	23 10	22 9	16 42	2 31					
M14	21 38	22 15	3 33	19 32	3 50	18 2	3 22	14 36	1 10	22 36	0 2	15 51	2 14	8 37	0 45	17 10	1 45	8 39	12 41	23 14	23 10	22 11	16 42	2 31					
T 15	21 29	18 53	4 24	19 43	3 39	18 13	3 21	14 23	1 10	22 35	0 2	15 51	2 14	8 36	0 45	17 10	1 45	8 39	12 41	23 14	23 10	22 12	16 43	2 31					
W16	21 19	14 30	4 57	19 53	3 27	18 23	3 19	14 10	1 9	22 34	0 2	15 51	2 14	8 35	0 45	17 10	1 45	8 39	12 41	23 14	23 9	22 14	16 43	2 32					
T 17	21 9	9 30	5 12	20 5	3 15	18 34	3 18	13 57	1 9	22 32	0 2	15 51	2 14	8 34	0 45	17 10	1 45	8 39	12 42	23 14	23 9	22 15	16 44	2 32					
F 18	20 58	4 13	5 9	20 16	3 2	18 44	3 16	13 44	1 9	22 31	0 2	15 51	2 13	8 32	0 45	17 10	1 45	8 39	12 42	23 14	23 9	22 17	16 44	2 32					
S 19	20 48	1s 5	4 51	20 27	2 49	18 54	3 15	13 31	1 8	22 29	0 3	15 51	2 13	8 31	0 45	17 10	1 45	8 39	12 42	23 13	23 9	22 18	16 44	2 32					
S 20	20 36	6 12	4 20	20 38	2 35	19 4	3 13	13 18	1 8	22 28	0 3	15 51	2 13	8 30	0 45	17 10	1 44	8 39	12 42	23 13	23 9	22 20	16 45	2 33					
M21	20 25	10 58	3 38	20 49	2 21	19 13	3 11	13 5	1 8	22 26	0 3	15 51	2 13	8 29	0 45	17 10	1 44	8 39	12 42	23 13	23 8	22 21	16 45	2 33					
T 22	20 13	15 14	2 46	20 59	2 7	19 22	3 9	12 51	1 7	22 24	0 3	15 51	2 12	8 28	0 45	17 10	1 44	8 39	12 42	23 13	23 8	22 23	16 45	2 33					
W23	20 1	18 53	1 48	21 8	1 53	19 31	3 7	12 38	1 7	22 23	0 3	15 51	2 12	8 27	0 45	17 10	1 44	8 39	12 43	23 14	23 8	22 24	16 46	2 33					
T 24	19 49	21 44	0 46	21 17	1 38	19 40	3 4	12 24	1 6	22 21	0 3	15 52	2 12	8 25	0 45	17 10	1 44	8 39	12 43	23 14	23 8	22 26	16 46	2 33					
F 25	19 36	23 40	0s18	21 24	1 24	19 48	3 2	12 11	1 6	22 20	0 3	15 52	2 12	8 24	0 44	17 9	1 44	8 39	12 43	23 14	23 8	22 27	16 46	2 34					
S 26	19 23	24 32	1 22	21 30	1 10	19 56	3 0	11 57	1 6	22 18	0 3	15 52	2 11	8 23	0 44	17 9	1 44	8 39	12 43	23 14	23 7	22 29	16 46	2 34					
S 27	19 9	24 16	2 23	21 35	0 56	20 3	2 57	11 43	1 5	22 16	0 3	15 52	2 11	8 22	0 44	17 9	1 44	8 39	12 43	23 13	23 7	22 30	16 47	2 34					
M28	18 55	22 50	3 18	21 38	0 42	20 10	2 55	11 30	1 5	22 15	0 3	15 53	2 11	8 21	0 44	17 9	1 44	8 39	12 44	23 13	23 7	22 32	16 47	2 34					
T 29	18 41	20 18	4 4	21 39	0 28	20 17	2 52	11 16	1 5	22 13	0 4	15 53	2 11	8 19	0 44	17 9	1 44	8 39	12 44	23 13	23 7	22 33	16 47	2 35					
W30	18 27	16 45	4 3	21 38	0 15	20 24	2 49	11 2	1 4	22 11	0 4	15 53	2 10	8 18	0 44	17 9	1 44	8 39	12 44	23 12	23 7	22 35	16 47	2 35					
T 31	18n12	12s23	5s 1	21n34	0s 2	20n30	2s46	10n48	1n 4	22n10	0n 4	15s54	2n10	8n17	0n44	17s 9	1n44	8n39	12s44	23n12	23n 6	22s36	16n48	2s35					

ASTRODIENST EPHEMERIS for the year 2132
geocentric

AUGUST 2132

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	20 39 45	9♌ 9'09	23♋14	23♊53	24♐37	5♍16	19♍4	20♌59	10♍38	24°R18	5♈26	22°R11	20♐47	18♌0	26♋19	F 1
S 2	20 43 42	10° 6'32	6♍30	25°41	25°41	5°53	19°17	21° 0	10°42	24♌18	5°27	22♐5	20°44	18° 7	26°21	S 2
S 3	20 47 38	11° 3'55	19°59	27°33	26°45	6°31	19°30	21° 1	10°45	24°18	5°28	22° 1	20°41	18°13	26°22	S 3
M 4	20 51 35	12° 1'20	3♈41	29°28	27°49	7° 8	19°43	21° 2	10°48	24°18	5°28	21°59	20°38	18°20	26°24	M 4
T 5	20 55 31	12°58'45	17°37	1♌25	28°53	7°46	19°56	21° 3	10°52	24°D18	5°29	21°D59	20°34	18°27	26°26	T 5
W 6	20 59 28	13°56'12	1♐45	3°24	29°58	8°24	20° 9	21° 4	10°55	24°18	5°30	22° 0	20°31	18°33	26°27	W 6
T 7	21 3 24	14°53'41	16° 5	5°25	1♊3	9° 1	20°22	21° 5	10°59	24°18	5°30	22°R 0	20°28	18°40	26°29	T 7
F 8	21 7 21	15°51'10	0♊34	7°27	2° 8	9°39	20°35	21° 7	11° 2	24°18	5°31	22° 0	20°25	18°47	26°30	F 8
S 9	21 11 17	16°48'41	15° 9	9°30	3°13	10°17	20°48	21° 8	11° 6	24°18	5°31	21°58	20°22	18°53	26°32	S 9
S 10	21 15 14	17°46'13	29°45	11°34	4°18	10°55	21° 0	21°10	11° 9	24°18	5°32	21°54	20°18	19° 0	26°33	S 10
M11	21 19 11	18°43'46	14♌15	13°38	5°24	11°32	21°13	21°11	11°13	24°19	5°32	21°47	20°15	19° 7	26°34	M11
T 12	21 23 7	19°41'20	28°33	15°42	6°30	12°10	21°26	21°13	11°16	24°19	5°33	21°39	20°12	19°13	26°36	T 12
W13	21 27 4	20°38'55	12♍33	17°45	7°36	12°48	21°39	21°15	11°20	24°19	5°33	21°29	20° 9	19°20	26°37	W13
T 14	21 31 0	21°36'32	26°11	19°49	8°42	13°26	21°51	21°17	11°23	24°19	5°34	21°20	20° 6	19°26	26°38	T 14
F 15	21 34 57	22°34'09	9♈25	21°51	9°48	14° 4	22° 4	21°19	11°27	24°20	5°34	21°11	20° 3	19°33	26°39	F 15
S 16	21 38 53	23°31'47	22°14	23°53	10°54	14°42	22°16	21°21	11°31	24°20	5°35	21° 5	19°59	19°40	26°40	S 16
S 17	21 42 50	24°29'26	4♌43	25°54	12° 1	15°20	22°29	21°23	11°34	24°20	5°35	21° 1	19°56	19°46	26°41	S 17
M18	21 46 46	25°27'06	16°53	27°54	13° 8	15°58	22°41	21°25	11°38	24°21	5°35	20°59	19°53	19°53	26°42	M18
T 19	21 50 43	26°24'47	28°51	29°53	14°15	16°36	22°54	21°27	11°42	24°21	5°36	20°D59	19°50	20° 0	26°43	T 19
W20	21 54 40	27°22'29	10♈42	1♍50	15°22	17°14	23° 6	21°30	11°45	24°22	5°36	20°59	19°47	20° 6	26°43	W20
T 21	21 58 36	28°20'12	22°30	3°47	16°29	17°52	23°18	21°32	11°49	24°22	5°36	20°R59	19°43	20°13	26°44	T 21
F 22	22 2 33	29°17'57	4♊21	5°41	17°37	18°30	23°30	21°35	11°53	24°23	5°37	20°59	19°40	20°20	26°45	F 22
S 23	22 6 29	0♍15'42	16°20	7°35	18°44	19° 8	23°42	21°38	11°56	24°23	5°37	20°56	19°37	20°26	26°45	S 23
S 24	22 10 26	1°13'29	28°30	9°27	19°52	19°46	23°54	21°41	12° 0	24°24	5°37	20°50	19°34	20°33	26°46	S 24
M25	22 14 22	2°11'17	10♈54	11°18	21° 0	20°24	24° 6	21°44	12° 4	24°24	5°37	20°43	19°31	20°40	26°46	M25
T 26	22 18 19	3° 9'06	23°35	13° 8	22° 8	21° 2	24°18	21°46	12° 8	24°25	5°38	20°32	19°28	20°46	26°47	T 26
W27	22 22 15	4° 6'56	6♋32	14°56	23°16	21°41	24°30	21°50	12°11	24°26	5°38	20°21	19°24	20°53	26°47	W27
T 28	22 26 12	5° 4'48	19°44	16°42	24°25	22°19	24°42	21°53	12°15	24°26	5°38	20° 9	19°21	21° 0	26°47	T 28
F 29	22 30 9	6° 2'42	3♍10	18°28	25°33	22°57	24°54	21°56	12°19	24°27	5°38	19°58	19°18	21° 6	26°47	F 29
S 30	22 34 5	7° 0'37	16°48	20°12	26°42	23°35	25° 5	21°59	12°23	24°28	5°38	19°48	19°15	21°13	26°47	S 30
S 31	22 38 2	7♍58'34	0♊35	21♍55	27♊51	24♍14	25♊17	22♌3	12♍26	24♌29	5♈38	19♐41	19♐12	21♌19	26♋48	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	decl	lat	decl	lat	decl	lat
F 1	17n57	7s24	5s 8	21n29	0n10	20n36	2s43	10n34	1n 3	22n 8	0n 4	15s54	2n10	8n15	0n44	17s 9	1n44	8n39	12s44	23n12	23n 6	22s38	16n48	2s35									
S 2	17 42	1 59	4 58	21 21	0 22	20 41	2 40	10 19	1 3	22 6	0 4	15 55	2 10	8 14	0 44	17 9	1 44	8 38	12 45	23 11	23 6	22 39	16 48	2 36									
S 3	17 26	3n36	4 32	21 10	0 33	20 46	2 37	10 5	1 3	22 4	0 4	15 55	2 9	8 13	0 44	17 10	1 44	8 38	12 45	23 11	23 6	22 41	16 48	2 36									
M 4	17 11	9 7	3 50	20 57	0 43	20 50	2 34	9 51	1 2	22 3	0 4	15 56	2 9	8 12	0 44	17 10	1 44	8 38	12 45	23 11	23 5	22 42	16 48	2 36									
T 5	16 54	14 17	2 54	20 41	0 53	20 54	2 31	9 36	1 2	22 1	0 4	15 56	2 9	8 10	0 44	17 10	1 44	8 38	12 45	23 11	23 5	22 44	16 48	2 36									
W 6	16 38	18 45	1 47	20 23	1 2	20 57	2 28	9 22	1 1	21 59	0 4	15 57	2 9	8 9	0 44	17 10	1 43	8 38	12 45	23 11	23 5	22 45	16 49	2 36									
T 7	16 21	22 10	0 32	20 2	1 10	21 1	2 25	9 7	1 1	21 57	0 4	15 57	2 8	8 8	0 44	17 10	1 43	8 38	12 46	23 11	23 5	22 47	16 49	2 37									
F 8	16 4	24 11	0n46	19 38	1 17	21 3	2 21	8 53	1 1	21 55	0 5	15 58	2 8	8 6	0 44	17 10	1 43	8 38	12 46	23 11	23 5	22 48	16 49	2 37									
S 9	15 47	24 34	2 1	19 12	1 24	21 5	2 18	8 38	1 0	21 54	0 5	15 58	2 8	8 5	0 44	17 10	1 43	8 38	12 46	23 11	23 4	22 50	16 49	2 37									
S 10	15 30	23 15	3 8	18 44	1 29	21 7	2 14	8 24	1 0	21 52	0 5	15 59	2 8	8 4	0 44	17 10	1 43	8 38	12 46	23 10	23 4	22 51	16 49	2 37									
M11	15 12	20 24	4 2	18 13	1 34	21 8	2 11	8 9	0 59	21 50	0 5	16 0	2 7	8 2	0 44	17 10	1 43	8 37	12 47	23 10	23 4	22 52	16 49	2 38									
T 12	14 54	16 21	4 41	17 41	1 38	21 9	2 7	7 54	0 59	21 48	0 5	16 0	2 7	8 1	0 44	17 10	1 43	8 37	12 47	23 10	23 4	22 54	16 49	2 38									
W13	14 36	11 29	5 1	17 6	1 41	21 9	2 4	7 39	0 59	21 46	0 5	16 1	2 7	7 59	0 44	17 10	1 43	8 37	12 47	23 9	23 3	22 55	16 49	2 38									
T 14	14 18	6 10	5 4	16 30	1 43	21 8	2 0	7 24	0 58	21 44	0 5	16 2	2 6	7 58	0 44	17 10	1 43	8 37	12 47	23 8	23 3	22 57	16 49	2 38									
F 15	13 59	0 43	4 50	15 52	1 45	21 7	1 57	7 9	0 58	21 42	0 5	16 3	2 6	7 57	0 44	17 11	1 43	8 37	12 47	23 8	23 3	22 58	16 49	2 39									
S 16	13 40	4s36	4 21	15 12	1 46	21 6	1 53	6 54	0 57	21 40	0 5	16 3	2 6	7 55	0 44	17 11	1 43	8 37	12 48	23 7	23 3	22 59	16 49	2 39									
S 17	13 21	9 37	3 41	14 32	1 46	21 4	1 49	6 39	0 57	21 38	0 5	16 4	2 6	7 54	0 44	17 11	1 43	8 37	12 48	23 7	23 2	23 1	16 49	2 39									
M18	13 2	14 8	2 52	13 50	1 45	21 1	1 46	6 24	0 57	21 36	0 6	16 5	2 5	7 53	0 44	17 11	1 43	8 36	12 48	23 7	23 2	23 2	16 49	2 39									
T 19	12 42	18 1	1 55	13 8	1 44	20 58	1 42	6 9	0 56	21 34	0 6	16 6	2 5	7 51	0 44	17 11	1 43	8 36	12 48	23 7	23 2	23 4	16 49	2 40									
W20	12 23	21 8	0 55	12 24	1 42	20 55	1 38	5 54	0 56	21 33	0 6	16 7	2 5	7 50	0 44	17 11	1 43	8 36	12 49	23 7	23 2	23 5	16 49	2 40									
T 21	12 3	23 21	0s 8	11 40	1 40	20 51	1 34	5 39	0 55	21 31	0 6	16 8	2 5	7 48	0 44	17 11	1 43	8 36	12 49	23 7	23 2	23 6	16 49	2 40									
F 22	11 43	24 32	1 11	10 55	1 37	20 46	1 30	5 23	0 55	21 29	0 6	16 9	2 4	7 47	0 44	17 12	1 43	8 36	12 49	23 7	23 1	23 8	16 49	2 41									
S 23	11 22	24 35	2 11	10 10	1 33	20 41	1 27	5 8	0 55	21 27	0 6	16 9	2 4	7 45	0 44	17 12	1 42	8 35	12 49	23 7	23 1	23 9	16 49	2 41									
S 24	11 2	23 28	3 5	9 24	1 30	20 35	1 23	4 53	0 54	21 25	0 6	16 10	2 4	7 44	0 44	17 12	1 42	8 35	12 50	23 6	23 1	23 10	16 48	2 41									
M25	10 41	21 13	3 53	8 38	1 25	20 29	1 19	4 37	0 54	21 23	0 6	16 11	2 4	7 43	0 44	17 12	1 42	8 35	12 50	23 6	23 1	23 12	16 48	2 41									
T 26	10 21	17 53	4 29	7 52	1 21	20 22	1 15	4 22	0 53	21 21	0 6	16 12	2 4	7 41	0 44	17 12	1 42	8 35	12 50	23 5	23 0	23 13	16 48	2 42									
W27	10 0	13 38	4 53	7 6	1 16	20 15	1 11	4 6	0 53	21 19	0 7	16 13	2 3	7 40	0 44	17 13	1 42	8 35	12 50	23 4	23 0	23 15	16 48	2 42									
T 28	9 39	8 41	5 1	6 19	1 10	20 7	1 7	3 51	0 52	21 17	0 7	16 14	2 3	7 38	0 44	17 13	1 42	8 35	12 50	23 3	23 0	23 16	16 48	2 42									
F 29	9 17	3 14	4 53	5 33	1 5	19 58	1 4	3 35	0 52	21 15	0 7	16 16	2 3	7 37	0 44	17 13	1 42	8 34	12 51	23 3	23 0	23 17	16 48	2 42									
S 30	8 56	2n27	4 29	4 47	0 59	19 49	1 0	3 20	0 52	21 13	0 7	16 17	2 3	7 35	0 44	17 13	1 42	8 34	12 51	23 2	22 59	23 18	16 47	2 43									
S 31	8n34	8n 6	3s49	4n 0	0n52	19n40	0s56	3n 4	0n51	21n11	0n 7	16s18	2n 2	7n34	0n44	17s14	1n42	8n34	12s51	23n 1	22n59	23s20	16n47	2s43									

ASTRODIENST EPHEMERIS for the year 2132
geocentric

SEPTEMBER 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 41 58	8♍56'33	14♌29	23♍36	29♌0	24♍52	25♌29	22♍6	12♍30	24♍30	5♍38	19♍37	19♍9	21♍26	26♍48	M 1
T 2	22 45 55	9°54'34	28°28	25°17	0♌9	25°31	25°40	22°10	12°34	24°30	5°38	19°35	19°5	21°33	26♌48	T 2
W 3	22 49 51	10°52'36	12♍32	26°56	1°18	26°9	25°51	22°13	12°38	24°31	5°38	19°35	19°2	21°39	26°47	W 3
T 4	22 53 48	11°50'41	26°40	28°33	2°27	26°47	26°3	22°17	12°41	24°32	5°39	19°35	18°59	21°46	26°47	T 4
F 5	22 57 44	12°48'48	10♌52	0♌10	3°37	27°26	26°14	22°21	12°45	24°33	5°39	19°34	18°56	21°53	26°47	F 5
S 6	23 1 41	13°46'57	25°4	1°45	4°46	28°4	26°25	22°25	12°49	24°34	5°39	19°31	18°53	21°59	26°47	S 6
S 7	23 5 38	14°45'07	9♌15	3°19	5°56	28°43	26°36	22°29	12°53	24°35	5°38	19°25	18°49	22°6	26°46	S 7
M 8	23 9 34	15°43'19	23°21	4°52	7°6	29°22	26°47	22°33	12°56	24°36	5°38	19°16	18°46	22°13	26°46	M 8
T 9	23 13 31	16°41'33	7♍17	6°24	8°16	0♌0	26°58	22°37	13°0	24°37	5°38	19°4	18°43	22°19	26°45	T 9
W10	23 17 27	17°39'49	20°59	7°54	9°26	0°39	27°9	22°41	13°4	24°38	5°38	18°52	18°40	22°26	26°45	W10
T 11	23 21 24	18°38'07	4♌23	9°23	10°36	1°18	27°19	22°45	13°8	24°40	5°38	18°40	18°37	22°33	26°44	T 11
F 12	23 25 20	19°36'26	17°28	10°51	11°46	1°56	27°30	22°50	13°11	24°41	5°38	18°28	18°34	22°39	26°44	F 12
S 13	23 29 17	20°34'47	0♍13	12°18	12°57	2°35	27°40	22°54	13°15	24°42	5°38	18°19	18°30	22°46	26°43	S 13
S 14	23 33 13	21°33'10	12°38	13°44	14°7	3°14	27°51	22°59	13°19	24°43	5°38	18°13	18°27	22°52	26°42	S 14
M15	23 37 10	22°31'34	24°48	15°8	15°18	3°53	28°1	23°3	13°23	24°44	5°37	18°9	18°24	22°59	26°41	M15
T 16	23 41 7	23°30'00	6♌45	16°31	16°28	4°31	28°11	23°8	13°26	24°46	5°37	18°7	18°21	23°6	26°40	T 16
W17	23 45 3	24°28'27	18°35	17°52	17°39	5°10	28°22	23°13	13°30	24°47	5°37	18°7	18°18	23°12	26°39	W17
T 18	23 49 0	25°26'57	0♌32	19°13	18°50	5°49	28°32	23°17	13°34	24°48	5°37	18°7	18°15	23°19	26°38	T 18
F 19	23 52 56	26°25'27	12°15	20°32	20°1	6°28	28°42	23°22	13°38	24°50	5°36	18°6	18°11	23°26	26°37	F 19
S 20	23 56 53	27°24'00	24°16	21°49	21°12	7°7	28°51	23°27	13°41	24°51	5°36	18°4	18°8	23°32	26°36	S 20
S 21	0 0 49	28°22'34	6♌31	23°5	22°24	7°46	29°1	23°32	13°45	24°52	5°36	17°59	18°5	23°39	26°35	S 21
M22	0 4 46	29°21'10	19°3	24°19	23°35	8°25	29°11	23°37	13°49	24°54	5°35	17°51	18°2	23°46	26°34	M22
T 23	0 8 42	0♌19'47	1♍55	25°32	24°46	9°4	29°20	23°42	13°52	24°55	5°35	17°41	17°59	23°52	26°32	T 23
W24	0 12 39	1°18'26	15°9	26°43	25°58	9°43	29°30	23°48	13°56	24°57	5°35	17°29	17°55	23°59	26°31	W24
T 25	0 16 35	2°17'07	28°42	27°52	27°9	10°22	29°39	23°53	14°0	24°58	5°34	17°17	17°52	24°6	26°30	T 25
F 26	0 20 32	3°15'50	12♍32	28°59	28°21	11°2	29°48	23°58	14°3	25°0	5°34	17°6	17°49	24°12	26°28	F 26
S 27	0 24 29	4°14'35	26°36	0♍5	29°33	11°41	29°57	24°4	14°7	25°1	5°33	16°57	17°46	24°19	26°27	S 27
S 28	0 28 25	5°13'22	10♌48	1°7	0♍45	12°20	0♌6	24°9	14°10	25°3	5°33	16°50	17°43	24°25	26°25	S 28
M29	0 32 22	6°12'11	25°3	2°8	1°57	12°59	0°15	24°14	14°14	25°5	5°32	16°46	17°40	24°32	26°23	M29
T 30	0 36 18	7♌11'03	9♍19	3♍6	3♍9	13♌39	0♌24	24♍20	14♍18	25♍6	5♍32	16♍44	17♍36	24♍39	26♌22	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
M 1	8n13	13n24	2s54	3n14	0n46	19n30	0s52	2n49	0n51	21n 9	0n 7	16s19	2n 2	7n33	0n44	17s14	1n42	8n34	12s51	23n 1	22n59	23s21	16n47	2s43			
T 2	7 51	18 2	1 49	2 29	0 39	19 19	0 48	2 33	0 50	21 7	0 7	16 20	2 2	7 31	0 44	17 14	1 42	8 33	12 52	23 1	22 58	23 22	16 47	2 43			
W 3	7 29	21 40	0 37	1 43	0 32	19 8	0 45	2 18	0 50	21 5	0 7	16 21	2 2	7 30	0 44	17 14	1 42	8 33	12 52	23 1	22 58	23 24	16 46	2 44			
T 4	7 7	24 0	0n37	0 58	0 25	18 56	0 41	2 2	0 49	21 3	0 7	16 22	2 1	7 28	0 44	17 15	1 42	8 33	12 52	23 1	22 58	23 25	16 46	2 44			
F 5	6 45	24 48	1 50	0 13	0 18	18 44	0 37	1 46	0 49	21 1	0 8	16 23	2 1	7 27	0 44	17 15	1 42	8 33	12 52	23 1	22 58	23 26	16 46	2 44			
S 6	6 22	23 59	2 56	0s32	0 10	18 31	0 33	1 30	0 49	20 59	0 8	16 25	2 1	7 25	0 44	17 15	1 42	8 32	12 53	23 1	22 57	23 28	16 45	2 44			
S 7	6 0	21 38	3 50	1 16	0 3	18 18	0 29	1 15	0 48	20 57	0 8	16 26	2 1	7 24	0 44	17 16	1 42	8 32	12 53	23 0	22 57	23 29	16 45	2 45			
M 8	5 38	17 59	4 31	2 0	0s 5	18 4	0 26	0 59	0 48	20 55	0 8	16 27	2 1	7 22	0 44	17 16	1 42	8 32	12 53	22 59	22 57	23 30	16 45	2 45			
T 9	5 15	13 23	4 54	2 44	0 13	17 50	0 22	0 43	0 47	20 53	0 8	16 28	2 0	7 21	0 44	17 16	1 42	8 32	12 53	22 58	22 57	23 31	16 44	2 45			
W10	4 52	8 10	5 0	3 27	0 20	17 35	0 18	0 27	0 47	20 51	0 8	16 30	2 0	7 20	0 44	17 17	1 41	8 32	12 54	22 57	22 56	23 33	16 44	2 45			
T 11	4 30	2 41	4 49	4 9	0 28	17 20	0 15	0 12	0 46	20 49	0 8	16 31	2 0	7 18	0 44	17 17	1 41	8 31	12 54	22 56	22 56	23 34	16 44	2 46			
F 12	4 7	2s48	4 23	4 51	0 36	17 4	0 11	0s 4	0 46	20 47	0 8	16 32	2 0	7 17	0 44	17 17	1 41	8 31	12 54	22 55	22 56	23 35	16 43	2 46			
S 13	3 44	8 2	3 45	5 32	0 44	16 48	0 8	0 20	0 45	20 45	0 9	16 33	1 59	7 15	0 44	17 18	1 41	8 31	12 54	22 55	22 56	23 36	16 43	2 46			
S 14	3 21	12 49	2 56	6 13	0 53	16 31	0 4	0 36	0 45	20 43	0 9	16 35	1 59	7 14	0 44	17 18	1 41	8 31	12 54	22 54	22 55	23 38	16 42	2 46			
M15	2 58	17 1	2 0	6 53	1 1	16 14	0 0	0 52	0 45	20 41	0 9	16 36	1 59	7 12	0 44	17 18	1 41	8 30	12 55	22 54	22 55	23 39	16 42	2 47			
T 16	2 35	20 26	1 0	7 33	1 9	15 56	0n 3	1 7	0 44	20 39	0 9	16 38	1 59	7 11	0 44	17 19	1 41	8 30	12 55	22 54	22 55	23 40	16 41	2 47			
W17	2 12	22 58	0s 2	8 12	1 17	15 38	0 6	1 23	0 44	20 37	0 9	16 39	1 59	7 10	0 44	17 19	1 41	8 30	12 55	22 54	22 54	23 41	16 41	2 47			
T 18	1 48	24 30	1 5	8 50	1 25	15 19	0 10	1 39	0 43	20 35	0 9	16 40	1 58	7 8	0 44	17 19	1 41	8 29	12 55	22 54	22 54	23 43	16 41	2 47			
F 19	1 25	24 55	2 4	9 27	1 33	15 0	0 13	1 55	0 43	20 34	0 9	16 42	1 58	7 7	0 44	17 20	1 41	8 29	12 56	22 53	22 54	23 44	16 40	2 48			
S 20	1 2	24 11	2 59	10 3	1 41	14 41	0 16	2 11	0 42	20 32	0 9	16 43	1 58	7 5	0 44	17 20	1 41	8 29	12 56	22 53	22 54	23 45	16 40	2 48			
S 21	0 39	22 17	3 47	10 39	1 49	14 21	0 20	2 26	0 42	20 30	0 9	16 44	1 58	7 4	0 44	17 20	1 41	8 29	12 56	22 53	22 53	23 46	16 39	2 48			
M22	0 15	19 17	4 25	11 14	1 56	14 1	0 23	2 42	0 41	20 28	0 10	16 46	1 58	7 2	0 44	17 21	1 41	8 28	12 56	22 52	22 53	23 47	16 38	2 48			
T 23	0s 8	15 18	4 50	11 48	2 4	13 40	0 26	2 58	0 41	20 26	0 10	16 47	1 57	7 1	0 44	17 21	1 41	8 28	12 56	22 51	22 53	23 49	16 38	2 49			
W24	0 31	10 28	5 1	12 20	2 12	13 19	0 29	3 14	0 40	20 24	0 10	16 49	1 57	7 0	0 44	17 22	1 41	8 28	12 57	22 50	22 52	23 50	16 37	2 49			
T 25	0 55	5 2	4 55	12 52	2 19	12 57	0 32	3 30	0 40	20 22	0 10	16 50	1 57	6 58	0 44	17 22	1 41	8 28	12 57	22 49	22 52	23 51	16 37	2 49			
F 26	1 18	0n46	4 33	13 23	2 26	12 35	0 35	3 45	0 39	20 21	0 10	16 52	1 57	6 57	0 44	17 22	1 41	8 27	12 57	22 48	22 52	23 52	16 36	2 49			
S 27	1 41	6 38	3 53	13 53	2 33	12 13	0 38	4 1	0 39	20 19	0 10	16 53	1 57	6 56	0 44	17 23	1 41	8 27	12 57	22 47	22 52	23 53	16 36	2 50			
S 28	2 4	12 13	2 58	14 21	2 40	11 50	0 41	4 17	0 38	20 17	0 10	16 55	1 57	6 54	0 44	17 23	1 41	8 27	12 58	22 46	22 51	23 54	16 35	2 50			
M29	2 28	17 12	1 53	14 49	2 47	11 27	0 44	4 33	0 38	20 15	0 11	16 56	1 56	6 53	0 44	17 24	1 41	8 26	12 58	22 46	22 51	23 56	16 34	2 50			
T 30	2s51	21n11	0s39	15s14	2s53	11n 4	0n47	4s48	0n38	20n14	0n11	16s58	1n56	6n51	0n44	17s24	1n40	8n26	12s58	22n46	22n51	23s57	16n34	2s50			

ASTRODIENST EPHEMERIS for the year 2132
geocentric

OCTOBER 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 40 15	8♌ 9°57'	23♏31	4♌ 1	4♏21	14♌18	0♏32	24♌26	14♏21	25♌ 8	5°R31	16°D44	17♏33	24♌45	26°R20	W 1
T 2	0 44 11	9° 8'53	7♏39	4°53	5°33	14°57	0°41	24°31	14°25	25°10	5♏31	16°R44	17°30	24°52	26♌18	T 2
F 3	0 48 8	10° 7'52	21°42	5°42	6°45	15°37	0°49	24°37	14°28	25°11	5°30	16♏44	17°27	24°59	26°16	F 3
S 4	0 52 4	11° 6'53	5♏38	6°27	7°58	16°16	0°57	24°43	14°32	25°13	5°30	16°41	17°24	25° 5	26°14	S 4
S 5	0 56 1	12° 5'56	19°27	7° 9	9°10	16°56	1° 5	24°49	14°35	25°15	5°29	16°36	17°21	25°12	26°12	S 5
M 6	0 59 58	13° 5'01	3♏ 8	7°46	10°23	17°35	1°13	24°54	14°39	25°16	5°28	16°29	17°17	25°19	26°10	M 6
T 7	1 3 54	14° 4'08	16°38	8°19	11°36	18°15	1°21	25° 0	14°42	25°18	5°28	16°19	17°14	25°25	26° 8	T 7
W 8	1 7 51	15° 3'18	29°57	8°46	12°48	18°54	1°29	25° 6	14°45	25°20	5°27	16° 9	17°11	25°32	26° 6	W 8
T 9	1 11 47	16° 2'30	13♌ 1	9° 9	14° 1	19°34	1°36	25°12	14°49	25°22	5°26	15°58	17° 8	25°39	26° 4	T 9
F 10	1 15 44	17° 1'44	25°50	9°25	15°14	20°14	1°43	25°18	14°52	25°24	5°26	15°48	17° 5	25°45	26° 2	F 10
S 11	1 19 40	18° 0'59	8♌23	9°35	16°27	20°53	1°51	25°25	14°55	25°26	5°25	15°40	17° 1	25°52	25°59	S 11
S 12	1 23 37	19° 0'17	20°41	9°R38	17°40	21°33	1°58	25°31	14°59	25°27	5°24	15°35	16°58	25°59	25°57	S 12
M13	1 27 33	19°59'37	2♌45	9°34	18°53	22°13	2° 5	25°37	15° 2	25°29	5°24	15°31	16°55	26° 5	25°55	M13
T 14	1 31 30	20°58'58	14°40	9°22	20° 6	22°53	2°11	25°43	15° 5	25°31	5°23	15°D31	16°52	26°12	25°52	T 14
W15	1 35 27	21°58'22	26°29	9° 3	21°19	23°33	2°18	25°49	15° 8	25°33	5°22	15°31	16°49	26°18	25°50	W15
T 16	1 39 23	22°57'47	8♌16	8°34	22°33	24°13	2°25	25°56	15°12	25°35	5°21	15°32	16°46	26°25	25°48	T 16
F 17	1 43 20	23°57'14	20° 7	7°58	23°46	24°53	2°31	26° 2	15°15	25°37	5°20	15°R33	16°42	26°32	25°45	F 17
S 18	1 47 16	24°56'43	2♌ 7	7°13	24°59	25°33	2°37	26° 9	15°18	25°39	5°20	15°33	16°39	26°38	25°42	S 18
S 19	1 51 13	25°56'13	14°21	6°20	26°13	26°13	2°43	26°15	15°21	25°41	5°19	15°31	16°36	26°45	25°40	S 19
M20	1 55 9	26°55'45	26°55	5°19	27°26	26°53	2°49	26°22	15°24	25°43	5°18	15°27	16°33	26°52	25°37	M20
T 21	1 59 6	27°55'19	9♌51	4°13	28°40	27°33	2°55	26°28	15°27	25°45	5°17	15°21	16°30	26°58	25°35	T 21
W22	2 3 2	28°54'55	23°11	3° 2	29°54	28°13	3° 0	26°35	15°30	25°47	5°16	15°14	16°26	27° 5	25°32	W22
T 23	2 6 59	29°54'32	6♏57	1°48	1♌ 7	28°53	3° 6	26°41	15°33	25°49	5°15	15° 6	16°23	27°12	25°29	T 23
F 24	2 10 56	0♌54'12	21° 4	0°33	2°21	29°33	3°11	26°48	15°36	25°51	5°14	14°59	16°20	27°18	25°26	F 24
S 25	2 14 52	1°53'53	5♌30	29♌19	3°35	0♌13	3°16	26°55	15°39	25°53	5°14	14°53	16°17	27°25	25°24	S 25
S 26	2 18 49	2°53'36	20° 7	28° 9	4°49	0°54	3°21	27° 1	15°42	25°56	5°13	14°49	16°14	27°32	25°21	S 26
M27	2 22 45	3°53'22	4♏49	27° 4	6° 3	1°34	3°26	27° 8	15°45	25°58	5°12	14°46	16°11	27°38	25°18	M27
T 28	2 26 42	4°53'09	19°29	26° 7	7°16	2°14	3°30	27°15	15°47	26° 0	5°11	14°D46	16° 7	27°45	25°15	T 28
W29	2 30 38	5°52'59	4♌ 2	25°19	8°31	2°55	3°35	27°22	15°50	26° 2	5°10	14°47	16° 4	27°52	25°12	W29
T 30	2 34 35	6°52'51	18°23	24°42	9°45	3°35	3°39	27°28	15°53	26° 4	5° 9	14°49	16° 1	27°58	25° 9	T 30
F 31	2 38 31	7♌52'45	2♌30	24♌15	10♌59	4♌16	3♌43	27♌35	15♏56	26♌ 6	5♏ 8	14°R50	15♏58	28♌ 5	25♌ 6	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	3s14	23n52	0n36	15s39	2s59	10n40	0n49	5s 4	0n37	20n12	0n11	16s59	1n56	6n50	0n44	17s25
T 2	3 37	25 1	1 49	16 2	3 4	10 16	0 52	5 20	0 37	20 10	0 11	17 1	1 56	6 49	0 44	17 25
F 3	4 1	24 33	2 55	16 23	3 9	9 52	0 55	5 35	0 36	20 9	0 11	17 2	1 56	6 47	0 44	17 25
S 4	4 24	22 34	3 50	16 43	3 14	9 28	0 57	5 51	0 36	20 7	0 11	17 4	1 56	6 46	0 44	17 26
S 5	4 47	19 15	4 31	17 0	3 18	9 3	0 59	6 6	0 35	20 5	0 11	17 5	1 55	6 45	0 44	17 26
M 6	5 10	14 56	4 56	17 16	3 22	8 37	1 2	6 22	0 35	20 4	0 11	17 7	1 55	6 43	0 44	17 27
T 7	5 33	9 56	5 4	17 29	3 24	8 12	1 4	6 37	0 34	20 2	0 12	17 9	1 55	6 42	0 44	17 27
W 8	5 56	4 32	4 55	17 40	3 27	7 46	1 6	6 53	0 34	20 1	0 12	17 10	1 55	6 41	0 44	17 28
T 9	6 18	0s58	4 31	17 49	3 28	7 20	1 9	7 8	0 33	19 59	0 12	17 12	1 55	6 40	0 44	17 28
F 10	6 41	6 21	3 54	17 55	3 28	6 54	1 11	7 24	0 33	19 57	0 12	17 13	1 55	6 38	0 44	17 29
S 11	7 4	11 22	3 5	17 57	3 28	6 28	1 13	7 39	0 32	19 56	0 12	17 15	1 54	6 37	0 44	17 29
S 12	7 26	15 50	2 9	17 57	3 26	6 1	1 15	7 54	0 32	19 55	0 12	17 17	1 54	6 36	0 44	17 30
M13	7 49	19 35	1 8	17 53	3 23	5 34	1 17	8 10	0 31	19 53	0 12	17 18	1 54	6 35	0 44	17 30
T 14	8 11	22 28	0 5	17 45	3 19	5 7	1 18	8 25	0 31	19 52	0 13	17 20	1 54	6 33	0 44	17 31
W15	8 33	24 21	0s59	17 33	3 13	4 40	1 20	8 40	0 30	19 50	0 13	17 21	1 54	6 32	0 45	17 31
T 16	8 55	25 9	2 0	17 16	3 5	4 13	1 22	8 55	0 30	19 49	0 13	17 23	1 54	6 31	0 45	17 32
F 17	9 17	24 49	2 56	16 56	2 56	3 45	1 23	9 10	0 29	19 48	0 13	17 25	1 54	6 30	0 45	17 32
S 18	9 39	23 19	3 45	16 30	2 45	3 17	1 25	9 26	0 29	19 47	0 13	17 26	1 53	6 29	0 45	17 33
S 19	10 1	20 43	4 24	16 1	2 32	2 49	1 26	9 40	0 28	19 45	0 13	17 28	1 53	6 27	0 45	17 33
M20	10 22	17 7	4 53	15 27	2 18	2 22	1 28	9 55	0 28	19 44	0 13	17 29	1 53	6 26	0 45	17 34
T 21	10 44	12 36	5 7	14 49	2 1	1 53	1 29	10 10	0 27	19 43	0 14	17 31	1 53	6 25	0 45	17 34
W22	11 5	7 23	5 5	14 8	1 44	1 25	1 30	10 25	0 27	19 42	0 14	17 33	1 53	6 24	0 45	17 35
T 23	11 26	1 38	4 47	13 25	1 24	0 57	1 31	10 40	0 26	19 41	0 14	17 34	1 53	6 23	0 45	17 35
F 24	11 47	4n21	4 10	12 40	1 4	0 29	1 32	10 55	0 26	19 40	0 14	17 36	1 53	6 22	0 45	17 36
S 25	12 8	10 15	3 17	11 54	0 44	0 0	1 33	11 9	0 25	19 39	0 14	17 38	1 53	6 21	0 45	17 36
S 26	12 28	15 41	2 10	11 10	0 23	0s28	1 34	11 24	0 24	19 38	0 14	17 39	1 53	6 19	0 45	17 37
M27	12 48	20 12	0 54	10 28	0 3	0 57	1 35	11 38	0 24	19 37	0 15	17 41	1 52	6 18	0 45	17 37
T 28	13 8	23 26	0n26	9 49	0n17	1 25	1 36	11 53	0 23	19 36	0 15	17 42	1 52	6 17	0 45	17 38
W29	13 28	25 5	1 43	9 14	0 36	1 54	1 36	12 7	0 23	19 35	0 15	17 44	1 52	6 16	0 45	17 38
T 30	13 48	25 1	2 53	8 44	0 53	2 22	1 37	12 21	0 22	19 34	0 15	17 46	1 52	6 15	0 45	17 39
F 31	14s 8	23n20	3n51	8s20	1n 9	2s51	1n37	12s35	0n22	19n33	0n15	17s47	1n52	6n14	0n45	17s39

Julian Day Number = 2500030.5, Delta T = 110.59 sec
Ecliptic obliquity = 23°25'22", Nutation = - 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°35'43", Lahiri = 25°42'43"

ASTRODIENST EPHEMERIS for the year 2132
geocentric

NOVEMBER 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 42 28	8♌52°42	16♏22	24°R 1	12♌13	4♌56	3♏47	27♌42	15♏58	26♌ 8	5°R 7	14°R49	15♏55	28♌11	25°R 3	S 1
S 2	2 46 25	9°52'40	29°59	23°D57	13°27	5°37	3°50	27°49	16° 1	26°11	5♏ 6	14♏48	15°52	28°18	25♌ 0	S 2
M 3	2 50 21	10°52'41	13♏22	24♌ 5	14°41	6°17	3°54	27°56	16° 3	26°13	5° 5	14°44	15°48	28°25	24°57	M 3
T 4	2 54 18	11°52'44	26°31	24°23	15°56	6°58	3°57	28° 3	16° 6	26°15	5° 4	14°40	15°45	28°31	24°54	T 4
W 5	2 58 14	12°52'49	9♌26	24°52	17°10	7°39	4° 0	28°10	16° 8	26°17	5° 3	14°34	15°42	28°38	24°51	W 5
T 6	3 2 11	13°52'55	22° 8	25°29	18°24	8°19	4° 3	28°17	16°11	26°19	5° 2	14°29	15°39	28°45	24°48	T 6
F 7	3 6 7	14°53'04	4♌38	26°15	19°39	9° 0	4° 6	28°24	16°13	26°22	5° 1	14°24	15°36	28°51	24°45	F 7
S 8	3 10 4	15°53'15	16°56	27° 8	20°53	9°41	4° 9	28°31	16°16	26°24	5° 0	14°20	15°32	28°58	24°42	S 8
S 9	3 14 0	16°53'27	29° 3	28° 7	22° 8	10°22	4°11	28°38	16°18	26°26	4°59	14°17	15°29	29° 5	24°39	S 9
M10	3 17 57	17°53'42	11♌ 1	29°12	23°23	11° 3	4°13	28°45	16°20	26°28	4°58	14°D16	15°26	29°11	24°36	M10
T 11	3 21 54	18°53'58	22°52	0♌22	24°37	11°44	4°15	28°52	16°22	26°30	4°56	14°17	15°23	29°18	24°33	T 11
W12	3 25 50	19°54'15	4♌40	1°36	25°52	12°25	4°17	28°59	16°25	26°33	4°55	14°18	15°20	29°25	24°29	W12
T 13	3 29 47	20°54'34	16°26	2°54	27° 6	13° 6	4°19	29° 6	16°27	26°35	4°54	14°20	15°17	29°31	24°26	T 13
F 14	3 33 43	21°54'55	28°17	4°15	28°21	13°47	4°20	29°13	16°29	26°37	4°53	14°21	15°13	29°38	24°23	F 14
S 15	3 37 40	22°55'17	10♌15	5°38	29°36	14°28	4°21	29°20	16°31	26°39	4°52	14°23	15°10	29°45	24°20	S 15
S 16	3 41 36	23°55'40	22°27	7° 4	0♌51	15° 9	4°22	29°27	16°33	26°42	4°51	14°R23	15° 7	29°51	24°17	S 16
M17	3 45 33	24°56'05	4♌56	8°31	2° 5	15°50	4°23	29°35	16°35	26°44	4°50	14°23	15° 4	29°58	24°14	M17
T 18	3 49 29	25°56'31	17°47	10° 0	3°20	16°31	4°24	29°42	16°37	26°46	4°49	14°22	15° 1	0♌ 4	24°10	T 18
W19	3 53 26	26°56'58	1°Y 4	11°30	4°35	17°13	4°24	29°49	16°38	26°48	4°48	14°20	14°58	0°11	24° 7	W19
T 20	3 57 23	27°57'26	14°48	13° 1	5°50	17°54	4°24	29°56	16°40	26°51	4°47	14°18	14°54	0°18	24° 4	T 20
F 21	4 1 19	28°57'56	28°59	14°33	7° 5	18°35	4°R24	0♌ 3	16°42	26°53	4°45	14°15	14°51	0°24	24° 1	F 21
S 22	4 5 16	29°58'28	13♌34	16° 5	8°20	19°17	4°24	0°10	16°44	26°55	4°44	14°14	14°48	0°31	23°58	S 22
S 23	4 9 12	0♌59°00	28°26	17°38	9°35	19°58	4°24	0°17	16°45	26°57	4°43	14°12	14°45	0°38	23°55	S 23
M24	4 13 9	1°59'35	13♏29	19°12	10°49	20°40	4°23	0°25	16°47	27° 0	4°42	14°D12	14°42	0°44	23°52	M24
T 25	4 17 5	3° 0'10	28°34	20°45	12° 4	21°21	4°23	0°32	16°48	27° 2	4°41	14°12	14°38	0°51	23°48	T 25
W26	4 21 2	4° 0'48	13♌31	22°19	13°19	22° 3	4°22	0°39	16°50	27° 4	4°40	14°13	14°35	0°58	23°45	W26
T 27	4 24 58	5° 1'27	28°13	23°53	14°35	22°44	4°20	0°46	16°51	27° 6	4°39	14°14	14°32	1° 4	23°42	T 27
F 28	4 28 55	6° 2'07	12♏37	25°27	15°50	23°26	4°19	0°53	16°53	27° 9	4°38	14°15	14°29	1°11	23°39	F 28
S 29	4 32 52	7° 2'50	26°38	27° 2	17° 5	24° 8	4°18	1° 0	16°54	27°11	4°36	14°15	14°26	1°18	23°36	S 29
S 30	4 36 48	8♌ 3'33	10♏16	28♌36	18♌20	24♌49	4♏16	1♌ 7	16♏55	27♌13	4♏35	14°R15	14♏23	1♌24	23♌33	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	decl	lat
S 1	14s27	20n17	4n35	8s 1	1n23	3s19	1n38	12s49	0n21	19n33	0n15	17s49	1n52	6n13	0n45	17s40	1n39	8n17	13s 3	22n34	22n41	24s30	16n10	2s57							
S 2	14 46	16 10	5 2	7 49	1 35	3 48	1 38	13 3	0 21	19 32	0 16	17 51	1 52	6 12	0 45	17 40	1 39	8 17	13 3	22 33	22 40	24 31	16 9	2 57							
M 3	15 5	11 20	5 12	7 42	1 46	4 16	1 39	13 17	0 20	19 31	0 16	17 52	1 52	6 11	0 45	17 41	1 39	8 17	13 3	22 33	22 40	24 32	16 8	2 57							
T 4	15 23	6 3	5 5	7 41	1 54	4 45	1 39	13 31	0 20	19 31	0 16	17 54	1 52	6 10	0 45	17 41	1 39	8 17	13 3	22 32	22 40	24 33	16 7	2 57							
W 5	15 42	0 36	4 43	7 44	2 1	5 13	1 39	13 45	0 19	19 30	0 16	17 55	1 52	6 9	0 45	17 42	1 39	8 16	13 3	22 32	22 39	24 34	16 6	2 57							
T 6	16 0	4s47	4 8	7 53	2 7	5 41	1 39	13 59	0 19	19 29	0 16	17 57	1 51	6 9	0 45	17 42	1 39	8 16	13 3	22 31	22 39	24 35	16 5	2 57							
F 7	16 17	9 54	3 20	8 6	2 11	6 9	1 39	14 12	0 18	19 29	0 16	17 59	1 51	6 8	0 45	17 43	1 39	8 16	13 3	22 31	22 39	24 36	16 4	2 57							
S 8	16 35	14 34	2 25	8 22	2 13	6 37	1 39	14 26	0 17	19 29	0 17	18 0	1 51	6 7	0 45	17 43	1 39	8 16	13 3	22 30	22 38	24 37	16 3	2 58							
S 9	16 52	18 35	1 23	8 42	2 15	7 5	1 39	14 39	0 17	19 28	0 17	18 2	1 51	6 6	0 45	17 44	1 39	8 15	13 3	22 30	22 38	24 38	16 3	2 58							
M10	17 9	21 47	0 18	9 5	2 15	7 33	1 38	14 52	0 16	19 28	0 17	18 4	1 51	6 5	0 45	17 44	1 39	8 15	13 3	22 30	22 38	24 39	16 2	2 58							
T 11	17 26	24 1	0s47	9 30	2 14	8 1	1 38	15 6	0 16	19 27	0 17	18 5	1 51	6 4	0 45	17 45	1 39	8 15	13 3	22 30	22 37	24 40	16 1	2 58							
W12	17 42	25 10	1 50	9 57	2 13	8 28	1 38	15 19	0 15	19 27	0 17	18 7	1 51	6 3	0 45	17 45	1 39	8 15	13 4	22 30	22 37	24 41	16 0	2 58							
T 13	17 58	25 12	2 48	10 26	2 10	8 56	1 37	15 32	0 15	19 27	0 17	18 8	1 51	6 3	0 45	17 46	1 39	8 14	13 4	22 30	22 37	24 41	15 59	2 58							
F 14	18 14	24 5	3 40	10 56	2 7	9 23	1 36	15 44	0 14	19 27	0 18	18 10	1 51	6 2	0 45	17 47	1 39	8 14	13 4	22 30	22 36	24 42	15 58	2 58							
S 15	18 29	21 52	4 22	11 27	2 3	9 50	1 36	15 57	0 14	19 27	0 18	18 11	1 51	6 1	0 46	17 47	1 39	8 14	13 4	22 31	22 36	24 43	15 57	2 58							
S 16	18 44	18 39	4 53	11 59	1 59	10 16	1 35	16 10	0 13	19 27	0 18	18 13	1 51	6 0	0 46	17 48	1 39	8 14	13 4	22 31	22 36	24 44	15 57	2 58							
M17	18 59	14 32	5 12	12 32	1 54	10 43	1 34	16 22	0 12	19 27	0 18	18 15	1 51	6 0	0 46	17 48	1 39	8 14	13 4	22 31	22 35	24 45	15 56	2 59							
T 18	19 14	9 40	5 16	13 5	1 49	11 9	1 34	16 35	0 12	19 27	0 18	18 16	1 51	5 59	0 46	17 49	1 39	8 13	13 4	22 30	22 35	24 46	15 55	2 59							
W19	19 28	4 12	5 3	13 38	1 43	11 35	1 33	16 47	0 11	19 27	0 18	18 18	1 51	5 58	0 46	17 49	1 39	8 13	13 4	22 30	22 34	24 47	15 54	2 59							
T 20	19 41	1n38	4 33	14 11	1 38	12 1	1 32	16 59	0 11	19 27	0 19	18 19	1 51	5 58	0 46	17 50	1 39	8 13	13 4	22 30	22 34	24 47	15 53	2 59							
F 21	19 55	7 36	3 45	14 44	1 32	12 26	1 31	17 11	0 10	19 27	0 19	18 21	1 51	5 57	0 46	17 50	1 39	8 13	13 4	22 30	22 34	24 48	15 52	2 59							
S 22	20 8	13 19	2 42	15 17	1 25	12 51	1 30	17 23	0 10	19 27	0 19	18 22	1 50	5 56	0 46	17 51	1 39	8 13	13 4	22 29	22 33	24 49	15 52	2 59							
S 23	20 20	18 24	1 26	15 49	1 19	13 16	1 28	17 35	0 9	19 27	0 19	18 24	1 50	5 56	0 46	17 51	1 39	8 12	13 4	22 29	22 33	24 50	15 51	2 59							
M24	20 33	22 20	0 4	16 21	1 12	13 41	1 27	17 46	0 8	19 28	0 19	18 25	1 50	5 55	0 46	17 52	1 39	8 12	13 4	22 29	22 33	24 51	15 50	2 59							
T 25	20 45	24 44	1n19	16 53	1 5	14 5	1 26	17 58	0 8	19 28	0 19	18 27	1 50	5 55	0 46	17 52	1 39	8 12	13 4	22 29	22 32	24 52	15 49	2 59							
W26	20 56	25 19	2 36	17 24	0 58	14 29	1 25	18 9	0 7	19 28	0 20	18 28	1 50	5 54	0 46	17 53	1 39	8 12	13 4	22 29	22 32	24 52	15 48	2 59							
T 27	21 7	24 7	3 41	17 54	0 51	14 52	1 23	18 20	0 7	19 29	0 20	18 30	1 50	5 54	0 46	17 53	1 39	8 12	13 4	22 30	22 32	24 53	15 47	2 59							
F 28	21 18	21 20	4 31	18 24	0 44	15 16	1 22	18 31	0 6	19 29	0 20	18 31	1 50	5 53	0 46	17 54	1 39	8 12	13 4	22 30	22 31	24 54	15 47	2 59							
S 29	21 28	17 22	5 3	18 52	0 37	15 38	1 20	18 42	0 5	19 30	0 20	18 33	1 50	5 53	0 46	17 54	1 39	8 12	13 3	22 30	22 31	24 55	15 46	2 59							
S 30	21s38	12n36	5n17	19s20	0n30	16s 1	1n19	18s53	0n 5	19n31	0n20	18s34	1n50	5n52	0n46	17s55	1n39	8n11	13s 3	22n30	22n31	24s56	15n45	2s59							

ASTRODIENST EPHEMERIS for the year 2132
geocentric

DECEMBER 2132

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 40 45	9♌ 4'18	23♎32	0♌10	19♎35	25♎31	4°R14	1♌14	16♎57	27♎15	4°R34	14°R15	14♎19	1♌31	23°R30	M 1
T 2	4 44 41	10° 5'05	6♌29	1°44	20°50	26°13	4♎12	1°21	16°58	27°18	4♎33	14♎15	14°16	1°38	23♌27	T 2
W 3	4 48 38	11° 5'53	19° 8	3°19	22° 5	26°55	4° 9	1°29	16°59	27°20	4°32	14°14	14°13	1°44	23°24	W 3
T 4	4 52 34	12° 6'43	1♎33	4°53	23°20	27°37	4° 7	1°36	17° 0	27°22	4°31	14°14	14°10	1°51	23°21	T 4
F 5	4 56 31	13° 7'34	13°46	6°27	24°36	28°18	4° 4	1°43	17° 1	27°24	4°30	14°14	14° 7	1°58	23°18	F 5
S 6	5 0 27	14° 8'26	25°50	8° 1	25°51	29° 0	4° 1	1°50	17° 2	27°26	4°29	14°D14	14° 4	2° 4	23°15	S 6
S 7	5 4 24	15° 9'20	7♌47	9°35	27° 6	29°42	3°58	1°57	17° 3	27°29	4°27	14°14	14° 0	2°11	23°12	S 7
M 8	5 8 21	16°10'15	19°38	11° 9	28°21	0♌25	3°55	2° 4	17° 4	27°31	4°26	14°R14	13°57	2°18	23° 9	M 8
T 9	5 12 17	17°11'10	1♌26	12°43	29°37	1° 7	3°51	2°11	17° 4	27°33	4°25	14°14	13°54	2°24	23° 7	T 9
W10	5 16 14	18°12'07	13°14	14°17	0♌52	1°49	3°48	2°18	17° 5	27°35	4°24	14°13	13°51	2°31	23° 4	W10
T 11	5 20 10	19°13'04	25° 3	15°52	2° 7	2°31	3°44	2°25	17° 6	27°37	4°23	14°13	13°48	2°37	23° 1	T 11
F 12	5 24 7	20°14'03	6♌55	17°26	3°22	3°13	3°40	2°32	17° 6	27°39	4°22	14°12	13°44	2°44	22°58	F 12
S 13	5 28 3	21°15'02	18°56	19° 0	4°38	3°56	3°35	2°38	17° 7	27°41	4°21	14°11	13°41	2°51	22°56	S 13
S 14	5 32 0	22°16'01	1♌ 7	20°34	5°53	4°38	3°31	2°45	17° 7	27°43	4°20	14°10	13°38	2°57	22°53	S 14
M15	5 35 57	23°17'01	13°33	22° 8	7° 8	5°20	3°27	2°52	17° 8	27°46	4°19	14° 9	13°35	3° 4	22°50	M15
T 16	5 39 53	24°18'02	26°18	23°43	8°24	6° 3	3°22	2°59	17° 8	27°48	4°18	14°D 9	13°32	3°11	22°48	T 16
W17	5 43 50	25°19'03	9♍26	25°17	9°39	6°45	3°17	3° 6	17° 9	27°50	4°17	14°10	13°29	3°17	22°45	W17
T 18	5 47 46	26°20'04	22°59	26°52	10°54	7°27	3°12	3°13	17° 9	27°52	4°16	14°10	13°25	3°24	22°43	T 18
F 19	5 51 43	27°21'06	6♌59	28°26	12°10	8°10	3° 7	3°19	17° 9	27°54	4°14	14°12	13°22	3°31	22°40	F 19
S 20	5 55 39	28°22'08	21°26	0♌ 1	13°25	8°53	3° 1	3°26	17° 9	27°56	4°13	14°13	13°19	3°37	22°38	S 20
S 21	5 59 36	29°23'11	6♎16	1°36	14°40	9°35	2°56	3°33	17° 9	27°58	4°12	14°13	13°16	3°44	22°35	S 21
M22	6 3 32	0♌24'14	21°23	3°11	15°56	10°18	2°50	3°39	17°R 9	28° 0	4°11	14°R13	13°13	3°51	22°33	M22
T 23	6 7 29	1°25'18	6♌39	4°46	17°11	11° 0	2°44	3°46	17° 9	28° 2	4°10	14°12	13°10	3°57	22°31	T 23
W24	6 11 26	2°26'23	21°53	6°22	18°26	11°43	2°38	3°53	17° 9	28° 4	4° 9	14°11	13° 6	4° 4	22°28	W24
T 25	6 15 22	3°27'28	6♌55	7°58	19°42	12°26	2°32	3°59	17° 9	28° 6	4° 9	14° 8	13° 3	4°11	22°26	T 25
F 26	6 19 19	4°28'33	21°37	9°34	20°57	13° 9	2°26	4° 6	17° 9	28° 8	4° 8	14° 5	13° 0	4°17	22°24	F 26
S 27	6 23 15	5°29'39	5♎54	11°10	22°13	13°52	2°19	4°12	17° 9	28° 9	4° 7	14° 3	12°57	4°24	22°22	S 27
S 28	6 27 12	6°30'46	19°43	12°46	23°28	14°35	2°13	4°19	17° 8	28°11	4° 6	14° 1	12°54	4°31	22°20	S 28
M29	6 31 8	7°31'53	3♌ 4	14°23	24°43	15°17	2° 6	4°25	17° 8	28°13	4° 5	14°D 0	12°50	4°37	22°18	M29
T 30	6 35 5	8°33'01	16° 0	15°59	25°59	16° 0	1°59	4°31	17° 8	28°15	4° 4	14° 0	12°47	4°44	22°16	T 30
W31	6 39 1	9♌34'09	28♌34	17♌36	27♌14	16♌43	1♌52	4♌38	17♎ 7	28♎17	4♎ 3	14♎ 1	12♎44	4♌51	22♌14	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	21s48	7n22	5n14	19s47	0n23	16s23	1n17	19s 3	0n 4	19n31	0n21	18s36	1n50	5n52	0n46	17s55
T 2	21 57	1 56	4 54	20 14	0 16	16 44	1 15	19 14	0 4	19 32	0 21	18 37	1 50	5 51	0 46	17 56
W 3	22 5	3s28	4 21	20 39	0 9	17 5	1 14	19 24	0 3	19 33	0 21	18 39	1 50	5 51	0 46	17 56
T 4	22 14	8 38	3 36	21 3	0 2	17 26	1 12	19 34	0 3	19 33	0 21	18 40	1 50	5 51	0 46	17 57
F 5	22 21	13 23	2 41	21 27	0s 4	17 46	1 10	19 44	0 2	19 34	0 21	18 41	1 50	5 50	0 46	17 57
S 6	22 29	17 34	1 41	21 49	0 11	18 6	1 8	19 54	0 1	19 35	0 21	18 43	1 50	5 50	0 46	17 58
S 7	22 36	21 0	0 36	22 10	0 18	18 25	1 6	20 4	0 1	19 36	0 22	18 44	1 50	5 50	0 46	17 58
M 8	22 42	23 31	0s30	22 30	0 25	18 44	1 4	20 13	0 0	19 37	0 22	18 46	1 50	5 49	0 46	17 59
T 9	22 48	24 59	1 34	22 49	0 31	19 2	1 2	20 23	0s 1	19 38	0 22	18 47	1 50	5 49	0 47	17 59
W 10	22 54	25 20	2 34	23 7	0 38	19 20	1 0	20 32	0 1	19 39	0 22	18 48	1 50	5 49	0 47	18 0
T 11	22 59	24 31	3 28	23 24	0 44	19 37	0 58	20 41	0 2	19 40	0 22	18 50	1 50	5 49	0 47	18 0
F 12	23 4	22 36	4 13	23 39	0 50	19 54	0 56	20 49	0 2	19 41	0 23	18 51	1 50	5 48	0 47	18 0
S 13	23 8	19 41	4 47	23 54	0 56	20 10	0 54	20 58	0 3	19 42	0 23	18 52	1 50	5 48	0 47	18 1
S 14	23 12	15 53	5 9	24 7	1 2	20 25	0 52	21 7	0 4	19 44	0 23	18 54	1 50	5 48	0 47	18 1
M 15	23 15	11 21	5 17	24 19	1 8	20 40	0 50	21 15	0 4	19 45	0 23	18 55	1 50	5 48	0 47	18 2
T 16	23 18	6 13	5 10	24 29	1 13	20 54	0 47	21 23	0 5	19 46	0 23	18 56	1 50	5 48	0 47	18 2
W 17	23 20	0 40	4 47	24 39	1 18	21 8	0 45	21 31	0 5	19 47	0 23	18 57	1 50	5 48	0 47	18 3
T 18	23 22	5n 6	4 8	24 47	1 23	21 21	0 43	21 38	0 6	19 49	0 24	18 59	1 50	5 48	0 47	18 3
F 19	23 24	10 48	3 12	24 53	1 28	21 34	0 41	21 46	0 7	19 50	0 24	19 0	1 50	5 48	0 47	18 4
S 20	23 25	16 8	2 3	24 58	1 33	21 46	0 38	21 53	0 7	19 52	0 24	19 1	1 50	5 48	0 47	18 4
S 21	23 25	20 37	0 44	25 2	1 38	21 57	0 36	22 0	0 8	19 53	0 24	19 2	1 50	5 48	0 47	18 4
M 22	23 25	23 48	0n40	25 5	1 42	22 7	0 34	22 7	0 9	19 54	0 24	19 4	1 50	5 48	0 47	18 5
T 23	23 25	25 16	2 1	25 6	1 46	22 17	0 31	22 14	0 9	19 56	0 25	19 5	1 50	5 48	0 47	18 5
W 24	23 24	24 50	3 14	25 6	1 50	22 27	0 29	22 20	0 10	19 58	0 25	19 6	1 50	5 48	0 47	18 6
T 25	23 23	22 35	4 12	25 4	1 53	22 35	0 26	22 27	0 10	19 59	0 25	19 7	1 51	5 48	0 47	18 6
F 26	23 21	18 53	4 52	25 1	1 56	22 43	0 24	22 33	0 11	20 1	0 25	19 8	1 51	5 48	0 47	18 6
S 27	23 19	14 11	5 12	24 56	1 59	22 50	0 21	22 39	0 12	20 2	0 25	19 10	1 51	5 48	0 47	18 7
S 28	23 16	8 53	5 14	24 50	2 2	22 57	0 19	22 44	0 12	20 4	0 25	19 11	1 51	5 48	0 47	18 7
M 29	23 13	3 21	4 58	24 42	2 4	23 3	0 17	22 50	0 13	20 6	0 26	19 12	1 51	5 48	0 47	18 8
T 30	23 9	2s10	4 28	24 33	2 6	23 8	0 14	22 55	0 14	20 7	0 26	19 13	1 51	5 49	0 47	18 8
W 31	23s 5	7s27	3n45	24s22	2s 7	23s12	0n12	23s 0	0s14	20n 9	0n26	19s14	1n51	5n49	0n47	18s 8

Julian Day Number = 2500091.5, Delta T = 110.69 sec
Ecliptic obliquity = 23°25'21", Nutation = - 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°35'51", Lahiri = 25°42'51"