



Astrodienst Ephemeris Tables for the year 2185

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 2185
geocentric

JANUARY 2185

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 44 35	10°35'8"40	0°35'55	12°38' 8	20°28' 2	14°17'48	11°17'52	15°R27	22°Y53	18°K58	1°R33	25°R21	26°Ω56	20°M53	8°R29	S 1
S 2	6 48 31	11°59'50	13°15	13°45	20°29	14°58	12° 5	15°17'26	22°53	18°59	1°Ω32	25°Ω13	26°53	21° 0	8°II26	S 2
M 3	6 52 28	13° 1'00	25°46	15°21	20°54	15° 7	12°17	15°25	22°53	19° 1	1°30	25° 7	26°50	21° 6	8°24	M 3
T 4	6 56 24	14° 2'10	8°27'19	16°58	21°17	15°15	12°30	15°24	22°53	19° 2	1°29	25° 4	26°47	21°13	8°21	T 4
W 5	7 0 21	15° 3'20	21°19	18°36	21°38	15°23	12°42	15°23	22°53	19° 3	1°28	25°D 2	26°43	21°20	8°19	W 5
T 6	7 4 17	16° 4'30	4°K24	20°14	21°57	15°30	12°54	15°22	22°54	19° 4	1°27	25° 3	26°40	21°27	8°16	T 6
F 7	7 8 14	17° 5'40	17°41	21°52	22°14	15°37	13° 7	15°21	22°54	19° 5	1°25	25° 4	26°37	21°33	8°13	F 7
S 8	7 12 11	18° 6'49	1°Y12	23°30	22°30	15°42	13°19	15°19	22°54	19° 7	1°24	25° 5	26°34	21°40	8°11	S 8
S 9	7 16 7	19° 7'58	14°58	25° 9	22°42	15°48	13°31	15°18	22°55	19° 8	1°23	25°R 6	26°31	21°47	8° 9	S 9
M10	7 20 4	20° 9'06	29° 0	26°48	22°53	15°52	13°43	15°16	22°55	19° 9	1°22	25° 6	26°28	21°53	8° 6	M10
T 11	7 24 0	21°10'14	13°B16	28°28	23° 2	15°56	13°55	15°14	22°56	19°11	1°20	25° 4	26°24	22° 0	8° 4	T 11
W12	7 27 57	22°11'22	27°45	0°27' 7	23° 8	15°59	14° 7	15°12	22°56	19°12	1°19	25° 1	26°21	22° 7	8° 2	W12
T 13	7 31 53	23°12'29	12°II22	1°47	23°11	16° 1	14°19	15°10	22°57	19°14	1°18	24°57	26°18	22°14	8° 0	T 13
F 14	7 35 50	24°13'36	27° 2	3°27	23°R13	16° 3	14°31	15° 8	22°58	19°15	1°16	24°52	26°15	22°20	7°58	F 14
S 15	7 39 47	25°14'42	11°E36	5° 7	23°11	16° 3	14°42	15° 6	22°58	19°17	1°15	24°47	26°12	22°27	7°56	S 15
S 16	7 43 43	26°15'48	26° 0	6°47	23° 7	16°R 3	14°54	15° 4	22°59	19°18	1°14	24°44	26° 9	22°34	7°54	S 16
M17	7 47 40	27°16'53	10°Ω 6	8°28	23° 1	16° 3	15° 5	15° 1	23° 0	19°20	1°12	24°41	26° 5	22°41	7°52	M17
T 18	7 51 36	28°17'58	23°50	10° 8	22°52	16° 1	15°17	14°59	23° 1	19°21	1°11	24°D41	26° 2	22°47	7°50	T 18
W19	7 55 33	29°19'03	7°11' 1	11°47	22°41	15°59	15°28	14°56	23° 2	19°23	1°10	24°41	25°59	22°54	7°48	W19
T 20	7 59 29	0°20'07	20° 9	13°27	22°27	15°56	15°40	14°54	23° 3	19°25	1° 8	24°43	25°56	23° 1	7°46	T 20
F 21	8 3 26	1°21'11	2°24'45	15° 6	22°11	15°52	15°51	14°51	23° 4	19°26	1° 7	24°44	25°53	23° 7	7°45	F 21
S 22	8 7 22	2°22'15	15° 4	16°44	21°52	15°48	16° 2	14°48	23° 5	19°28	1° 6	24°46	25°49	23°14	7°43	S 22
S 23	8 11 19	3°23'18	27° 9	18°20	21°31	15°42	16°13	14°45	23° 6	19°30	1° 4	24°47	25°46	23°21	7°42	S 23
M24	8 15 15	4°24'21	9°M 5	19°56	21° 8	15°36	16°24	14°42	23° 7	19°31	1° 3	24°R47	25°43	23°28	7°40	M24
T 25	8 19 12	5°25'24	20°57	21°30	20°42	15°29	16°35	14°39	23° 8	19°33	1° 2	24°46	25°40	23°34	7°39	T 25
W26	8 23 9	6°26'26	2°K50	23° 1	20°15	15°21	16°46	14°36	23°10	19°35	1° 0	24°44	25°37	23°41	7°37	W26
T 27	8 27 5	7°27'27	14°48	24°30	19°45	15°13	16°57	14°33	23°11	19°37	0°59	24°42	25°34	23°48	7°36	T 27
F 28	8 31 2	8°28'29	26°54	25°56	19°14	15° 3	17° 8	14°29	23°12	19°38	0°58	24°39	25°30	23°55	7°35	F 28
S 29	8 34 58	9°29'29	9°Z12	27°18	18°42	14°53	17°18	14°26	23°14	19°40	0°56	24°37	25°27	24° 1	7°34	S 29
S 30	8 38 55	10°30'29	21°44	28°36	18° 8	14°42	17°29	14°22	23°15	19°42	0°55	24°35	25°24	24° 8	7°33	S 30
M31	8 42 51	11°31'28	4°23'1	29°24'49	17°23'33	14°17'30	17°17'39	14°17'19	23°Y17	19°K44	0°Ω54	24°Ω33	25°Ω21	24°M15	7°II32	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22s58	19s14	4n11	24s39	1s48	14s33	0n15	8n53	3n 9	21s32	0n39	7n26	1n50	8n20	0s36	5s19
S 2	22 52	19 20	3 26	24 33	1 52	14 14	0 26	8 51	3 11	21 34	0 39	7 26	1 51	8 20	0 36	5 19
M 3	22 47	18 29	2 32	24 26	1 55	13 55	0 37	8 49	3 13	21 36	0 39	7 27	1 51	8 20	0 36	5 18
T 4	22 40	16 42	1 29	24 17	1 58	13 37	0 49	8 48	3 15	21 37	0 39	7 27	1 51	8 20	0 35	5 18
W 5	22 34	14 4	0 20	24 6	2 0	13 19	1 1	8 46	3 16	21 39	0 39	7 28	1 51	8 21	0 35	5 17
T 6	22 27	10 41	0s51	23 54	2 2	13 2	1 13	8 45	3 18	21 41	0 39	7 29	1 52	8 21	0 35	5 17
F 7	22 19	6 42	2 0	23 41	2 4	12 44	1 25	8 45	3 20	21 42	0 39	7 29	1 52	8 21	0 35	5 16
S 8	22 11	2 20	3 4	23 26	2 6	12 27	1 38	8 44	3 22	21 44	0 39	7 30	1 52	8 21	0 35	5 15
S 9	22 3	2n13	3 59	23 9	2 7	12 11	1 51	8 44	3 24	21 45	0 39	7 31	1 52	8 21	0 35	5 15
M10	21 54	6 44	4 40	22 51	2 7	11 55	2 4	8 44	3 26	21 47	0 39	7 32	1 53	8 21	0 35	5 14
T 11	21 45	10 57	5 5	22 32	2 8	11 39	2 18	8 45	3 28	21 48	0 39	7 33	1 53	8 22	0 35	5 14
W12	21 35	14 34	5 11	22 11	2 8	11 24	2 32	8 45	3 30	21 50	0 39	7 34	1 53	8 22	0 35	5 13
T 13	21 25	17 20	4 58	21 48	2 7	11 9	2 46	8 46	3 32	21 51	0 39	7 35	1 53	8 22	0 35	5 13
F 14	21 15	18 58	4 24	21 24	2 6	10 55	3 1	8 47	3 34	21 52	0 39	7 36	1 54	8 22	0 35	5 12
S 15	21 4	19 21	3 34	20 58	2 4	10 42	3 15	8 49	3 36	21 54	0 39	7 37	1 54	8 23	0 35	5 12
S 16	20 53	18 27	2 31	20 31	2 2	10 29	3 30	8 51	3 38	21 55	0 39	7 38	1 54	8 23	0 35	5 11
M17	20 41	16 25	1 19	20 3	1 59	10 17	3 45	8 53	3 40	21 56	0 39	7 39	1 54	8 23	0 35	5 10
T 18	20 29	13 29	0 5	19 33	1 56	10 6	4 0	8 55	3 42	21 58	0 39	7 40	1 55	8 24	0 35	5 10
W19	20 16	9 55	1n 8	19 2	1 52	9 55	4 15	8 58	3 44	21 59	0 39	7 41	1 55	8 24	0 35	5 9
T 20	20 3	5 59	2 15	18 29	1 47	9 45	4 30	9 1	3 46	22 0	0 39	7 43	1 55	8 24	0 35	5 8
F 21	19 50	1 53	3 14	17 55	1 42	9 36	4 45	9 4	3 48	22 1	0 39	7 44	1 55	8 25	0 35	5 8
S 22	19 37	2s12	4 3	17 20	1 36	9 28	5 0	9 8	3 50	22 2	0 39	7 45	1 56	8 25	0 35	5 7
S 23	19 23	6 6	4 39	16 44	1 29	9 21	5 15	9 12	3 52	22 3	0 39	7 47	1 56	8 26	0 35	5 6
M24	19 8	9 43	5 4	16 7	1 22	9 14	5 29	9 16	3 54	22 5	0 39	7 48	1 56	8 26	0 35	5 6
T 25	18 54	12 55	5 15	15 29	1 14	9 8	5 44	9 20	3 56	22 6	0 39	7 49	1 56	8 27	0 35	5 5
W26	18 39	15 36	5 12	14 51	1 5	9 4	5 58	9 25	3 57	22 7	0 39	7 51	1 56	8 27	0 35	5 4
T 27	18 23	17 39	4 56	14 12	0 55	9 0	6 11	9 30	3 59	22 8	0 39	7 52	1 57	8 28	0 35	5 4
F 28	18 7	18 56	4 27	13 33	0 44	8 57	6 24	9 35	4 1	22 9	0 39	7 54	1 57	8 28	0 35	5 3
S 29	17 51	19 21	3 45	12 54	0 32	8 54	6 37	9 41	4 3	22 10	0 39	7 55	1 57	8 29	0 35	5 2
S 30	17 35	18 50	2 52	12 15	0 20	8 53	6 49	9 46	4 4	22 11	0 39	7 57	1 57	8 29	0 35	5 1
M31	17s18	17s21	1n49	11s37	0s 6	8s53	7n 0	9n52	4n 6	22s12	0n39	7n58	1n57	8n30	0s35	5s 1

Julian Day Number = 2519115.5, Delta T = 149.05 sec
Ecliptic obliquity = 23°24'46, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°19'32, Lahiri = 26°26'32

ASTRODIENST EPHEMERIS for the year 2185

geocentric

FEBRUARY 2185

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 46 48	12 ³² 26	17 ³² 32	0 ⁵⁵ 55	16 ⁵⁷ 57	14 ¹⁸ 18	17 ⁵⁰ 50	14 ¹⁵ 15	23 ¹⁸ 18	19 ⁴⁶ 46	0 ⁵² 52	24 ³² 32	25 ¹⁸ 18	24 ²¹ 21	7 ³¹ 31	T 1
W 2	8 50 45	13 ³³ 23	0 ⁴⁸ 48	1 ⁵⁶ 56	16 ²⁰ 20	14 ¹⁴ 14	18 ⁰ 0	14 ¹¹ 11	23 ²⁰ 20	19 ⁴⁸ 48	0 ⁵¹ 51	24 ³² 32	25 ¹⁵ 15	24 ²⁸ 28	7 ³⁰ 30	W 2
T 3	8 54 41	14 ³⁴ 19	14 ¹⁸ 18	2 ⁴⁹ 49	15 ⁴³ 43	13 ⁵⁰ 50	18 ¹⁰ 10	14 ⁸ 8	23 ²² 22	19 ⁵⁰ 50	0 ⁵⁰ 50	24 ³³ 33	25 ¹¹ 11	24 ³⁵ 35	7 ²⁹ 29	T 3
F 4	8 58 38	15 ³⁵ 14	27 ⁵⁹ 59	3 ³³ 33	15 ⁶ 6	13 ³⁵ 35	18 ²⁰ 20	14 ⁴ 4	23 ²³ 23	19 ⁵² 52	0 ⁴⁹ 49	24 ³⁴ 34	25 ⁸ 8	24 ⁴² 42	7 ²⁹ 29	F 4
S 5	9 2 34	16 ³⁶ 07	11 ⁵¹ 51	4 ⁹ 9	14 ²⁹ 29	13 ²⁰ 20	18 ³⁰ 30	14 ⁰ 0	23 ²⁵ 25	19 ⁵⁴ 54	0 ⁴⁷ 47	24 ³⁵ 35	25 ⁵ 5	24 ⁴⁸ 48	7 ²⁸ 28	S 5
S 6	9 6 31	17 ³⁶ 59	25 ⁵⁰ 50	4 ³⁴ 34	13 ⁵³ 53	13 ³ 3	18 ⁴⁰ 40	13 ⁵⁶ 56	23 ²⁷ 27	19 ⁵⁶ 56	0 ⁴⁶ 46	24 ³⁵ 35	25 ² 2	24 ⁵⁵ 55	7 ²⁷ 27	S 6
M 7	9 10 27	18 ³⁷ 50	9 ⁵⁷ 57	4 ⁵⁰ 50	13 ¹⁷ 17	12 ⁴⁶ 46	18 ⁴⁹ 49	13 ⁵² 52	23 ²⁹ 29	19 ⁵⁸ 58	0 ⁴⁵ 45	24 ³⁶ 36	24 ⁵⁹ 59	25 ² 2	7 ²⁷ 27	M 7
T 8	9 14 24	19 ³⁸ 40	24 ⁷ 7	4 ⁵⁴ 54	12 ⁴¹ 41	12 ²⁹ 29	18 ⁵⁹ 59	13 ⁴⁸ 48	23 ³¹ 31	20 ⁰ 0	0 ⁴⁴ 44	24 ³⁶ 36	24 ⁵⁵ 55	25 ⁸ 8	7 ²⁶ 26	T 8
W 9	9 18 20	20 ³⁹ 27	8 ²¹ 21	4 ⁴⁸ 48	12 ⁷ 7	12 ¹¹ 11	19 ⁸ 8	13 ⁴³ 43	23 ³³ 33	20 ² 2	0 ⁴² 42	24 ³⁵ 35	24 ⁵² 52	25 ¹⁵ 15	7 ²⁶ 26	W 9
T 10	9 22 17	21 ⁴⁰ 14	22 ³⁴ 34	4 ³¹ 31	11 ³⁵ 35	11 ⁵² 52	19 ¹⁸ 18	13 ³⁹ 39	23 ³⁴ 34	20 ⁴ 4	0 ⁴¹ 41	24 ³⁵ 35	24 ⁴⁹ 49	25 ²² 22	7 ²⁶ 26	T 10
F 11	9 26 13	22 ⁴⁰ 59	6 ⁴⁴ 44	4 ³ 3	11 ³ 3	11 ³² 32	19 ²⁷ 27	13 ³⁵ 35	23 ³⁷ 37	20 ⁶ 6	0 ⁴⁰ 40	24 ³⁵ 35	24 ⁴⁶ 46	25 ²⁹ 29	7 ²⁶ 26	F 11
S 12	9 30 10	23 ⁴¹ 42	20 ⁴⁸ 48	3 ²⁵ 25	10 ³⁴ 34	11 ¹² 12	19 ³⁶ 36	13 ³¹ 31	23 ³⁹ 39	20 ⁸ 8	0 ³⁹ 39	24 ³⁵ 35	24 ⁴³ 43	25 ³⁵ 35	7 ²⁶ 26	S 12
S 13	9 34 7	24 ⁴² 24	4 ⁴³ 43	2 ³⁸ 38	10 ⁶ 6	10 ⁵² 52	19 ⁴⁵ 45	13 ²⁶ 26	23 ⁴¹ 41	20 ¹⁰ 10	0 ³⁷ 37	24 ³⁵ 35	24 ⁴⁰ 40	25 ⁴² 42	7 ²⁵ 25	S 13
M14	9 38 3	25 ⁴³ 05	18 ²⁴ 24	1 ⁴³ 43	9 ⁴⁰ 40	10 ³¹ 31	19 ⁵⁴ 54	13 ²² 22	23 ⁴³ 43	20 ¹² 12	0 ³⁶ 36	24 ³⁵ 35	24 ³⁶ 36	25 ⁴⁹ 49	7 ²⁵ 25	M14
T 15	9 42 0	26 ⁴³ 44	1 ⁵¹ 51	0 ⁴² 42	9 ¹⁷ 17	10 ⁹ 9	20 ³ 3	13 ¹⁷ 17	23 ⁴⁵ 45	20 ¹⁴ 14	0 ³⁵ 35	24 ³⁵ 35	24 ³³ 33	25 ⁵⁶ 56	7 ²⁶ 26	T 15
W16	9 45 56	27 ⁴⁴ 22	15 ¹ 1	2 ³⁶ 36	8 ⁵⁵ 55	9 ⁴⁷ 47	20 ¹¹ 11	13 ¹³ 13	23 ⁴⁷ 47	20 ¹⁶ 16	0 ³⁴ 34	24 ³⁵ 35	24 ³⁰ 30	26 ² 2	7 ²⁶ 26	W16
T 17	9 49 53	28 ⁴⁴ 58	27 ⁵³ 53	2 ²⁷ 27	8 ³⁶ 36	9 ²⁵ 25	20 ²⁰ 20	13 ⁸ 8	23 ⁴⁹ 49	20 ¹⁸ 18	0 ³³ 33	24 ³⁴ 34	24 ²⁷ 27	26 ⁹ 9	7 ²⁶ 26	T 17
F 18	9 53 49	29 ⁴⁵ 33	10 ²⁸ 28	2 ¹⁸ 18	8 ²⁰ 20	9 ² 2	20 ²⁸ 28	13 ⁴ 4	23 ⁵² 52	20 ²¹ 21	0 ³² 32	24 ³⁴ 34	24 ²⁴ 24	26 ¹⁶ 16	7 ²⁶ 26	F 18
S 19	9 57 46	0 ⁴⁶ 07	22 ⁴⁷ 47	2 ⁶ 6	8 ⁶ 6	8 ³⁹ 39	20 ³⁷ 37	12 ⁵⁹ 59	23 ⁵⁴ 54	20 ²³ 23	0 ³⁰ 30	24 ³³ 33	24 ²¹ 21	26 ²² 22	7 ²⁷ 27	S 19
S 20	10 1 42	1 ⁴⁶ 40	4 ⁵⁴ 54	2 ⁵ 5	7 ⁵⁴ 54	8 ¹⁶ 16	20 ⁴⁵ 45	12 ⁵⁴ 54	23 ⁵⁶ 56	20 ²⁵ 25	0 ²⁹ 29	24 ³² 32	24 ¹⁷ 17	26 ²⁹ 29	7 ²⁷ 27	S 20
M21	10 5 39	2 ⁴⁷ 11	16 ⁵³ 53	2 ¹ 1	7 ⁴⁵ 45	7 ⁵³ 53	20 ⁵³ 53	12 ⁵⁰ 50	23 ⁵⁹ 59	20 ²⁷ 27	0 ²⁸ 28	24 ³¹ 31	24 ¹⁴ 14	26 ³⁶ 36	7 ²⁸ 28	M21
T 22	10 9 36	3 ⁴⁷ 41	28 ⁴⁶ 46	2 ⁵ 5	7 ³⁸ 38	7 ²⁹ 29	21 ¹ 1	12 ⁴⁵ 45	24 ¹ 1	20 ²⁹ 29	0 ²⁷ 27	24 ³¹ 31	24 ¹¹ 11	26 ⁴³ 43	7 ²⁸ 28	T 22
W23	10 13 32	4 ⁴⁸ 10	10 ²⁷ 27	2 ¹⁴ 14	7 ³⁴ 34	7 ⁵ 5	21 ⁸ 8	12 ⁴⁰ 40	24 ⁴ 4	20 ³¹ 31	0 ²⁶ 26	24 ³¹ 31	24 ⁸ 8	26 ⁴⁹ 49	7 ²⁹ 29	W23
T 24	10 17 29	5 ⁴⁸ 37	22 ³⁷ 37	2 ¹³ 13	7 ²³ 23	6 ⁴² 42	21 ¹⁶ 16	12 ³⁵ 35	24 ⁶ 6	20 ³⁴ 34	0 ²⁵ 25	24 ³¹ 31	24 ⁵ 5	26 ⁵⁶ 56	7 ³⁰ 30	T 24
F 25	10 21 25	6 ⁴⁹ 03	4 ⁴³ 43	2 ⁵⁴ 54	7 ³⁴ 34	6 ¹⁸ 18	21 ²³ 23	12 ³¹ 31	24 ⁹ 9	20 ³⁶ 36	0 ²⁴ 24	24 ³² 32	24 ¹ 1	27 ³ 3	7 ³⁰ 30	F 25
S 26	10 25 22	7 ⁴⁹ 28	17 ⁴ 4	2 ²⁵ 25	7 ³⁷ 37	5 ⁵⁴ 54	21 ³¹ 31	12 ²⁶ 26	24 ¹¹ 11	20 ³⁸ 38	0 ²³ 23	24 ³³ 33	23 ⁵⁸ 58	27 ¹⁰ 10	7 ³¹ 31	S 26
S 27	10 29 18	8 ⁴⁹ 52	29 ⁴¹ 41	2 ⁴ 4	7 ⁴² 42	5 ³⁰ 30	21 ³⁸ 38	12 ²¹ 21	24 ¹⁴ 14	20 ⁴⁰ 40	0 ²² 22	24 ³⁵ 35	23 ⁵⁵ 55	27 ¹⁶ 16	7 ³² 32	S 27
M28	10 33 15	9 ⁵⁰ 13	12 ³⁸ 38	1 ⁴⁹ 49	7 ⁵⁰ 50	5 ¹⁴ 14	21 ⁴⁵ 45	12 ¹⁶ 16	24 ¹⁷ 17	20 ⁴³ 43	0 ²¹ 21	24 ³⁶ 36	23 ⁵² 52	27 ²³ 23	7 ³³ 33	M28

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	17s 1	14s57	0n39	11s 1	0n 8	8s53	7n11	9n59	4n 8	22s13	0n39	8n 0	1n58	8n31	0s34	5s 0	1s 2	22n30	2n38	13n20	13n 5	13s51	16n59	4s37			
W 2	16 44	11 43	0s35	10 25	0 23	8 54	7 21	10 5	4 9	22 14	0 39	8 2	1 58	8 31	0 34	4 59	1 2	22 30	2 38	13 20	13 6	13 52	17 0	4 36			
T 3	16 27	7 49	1 47	9 52	0 38	8 56	7 30	10 12	4 11	22 15	0 39	8 3	1 58	8 32	0 34	4 58	1 2	22 31	2 38	13 19	13 7	13 54	17 0	4 36			
F 4	16 9	3 29	2 55	9 21	0 55	8 59	7 38	10 19	4 12	22 15	0 39	8 5	1 58	8 33	0 34	4 58	1 2	22 31	2 38	13 19	13 8	13 56	17 0	4 36			
S 5	15 51	1n 6	3 53	8 52	1 11	9 2	7 45	10 27	4 13	22 16	0 39	8 7	1 58	8 33	0 34	4 57	1 2	22 31	2 38	13 19	13 9	13 57	17 0	4 36			
S 6	15 32	5 39	4 38	8 27	1 28	9 6	7 51	10 34	4 15	22 17	0 39	8 8	1 59	8 34	0 34	4 56	1 2	22 32	2 38	13 19	13 10	13 59	17 0	4 35			
M 7	15 14	9 55	5 7	8 6	1 45	9 11	7 57	10 42	4 16	22 18	0 39	8 10	1 59	8 35	0 34	4 55	1 2	22 32	2 38	13 19	13 11	14 0	17 0	4 35			
T 8	14 55	13 39	5 17	7 49	2 2	9 16	8 2	10 50	4 17	22 19	0 39	8 12	1 59	8 35	0 34	4 54	1 2	22 32	2 38	13 19	13 12	14 2	17 0	4 35			
W 9	14 35	16 36	5 8	7 35	2 18	9 22	8 5	10 58	4 18	22 19	0 39	8 14	1 59	8 36	0 34	4 54	1 2	22 33	2 38	13 19	13 13	14 3	17 0	4 35			
T 10	14 16	18 32	4 40	7 27	2 34	9 28	8 8	11 6	4 19	22 20	0 39	8 15	1 59	8 37	0 34	4 53	1 2	22 33	2 38	13 19	13 14	14 5	17 1	4 35			
F 11	13 56	19 19	3 55	7 23	2 49	9 35	8 10	11 14	4 20	22 21	0 39	8 17	1 59	8 38	0 34	4 52	1 2	22 33	2 38	13 19	13 15	14 7	17 1	4 34			
S 12	13 36	18 54	2 57	7 24	3 2	9 41	8 11	11 22	4 21	22 22	0 39	8 19	2 0	8 38	0 34	4 51	1 2	22 34	2 38	13 19	13 16	14 8	17 1	4 34			
S 13	13 16	17 19	1 48	7 30	3 14	9 49	8 11	11 31	4 22	22 22	0 39	8 21	2 0	8 39	0 34	4 50	1 2	22 34	2 38	13 19	13 17	14 10	17 1	4 34			
M14	12 56	14 45	0 34	7 40	3 25	9 56	8 10	11 40	4 22	22 23	0 39	8 23	2 0	8 40	0 34	4 49	1 2	22 34	2 38	13 19	13 18	14 11	17 2	4 34			
T 15	12 35	11 26	0n40	7 54	3 32	10 3	8 8	11 48	4 23	22 24	0 39	8 24	2 0	8 41	0 34	4 49	1 2	22 35	2 38	13 19	13 19	14 13	17 2	4 33			
W16	12 15	7 36	1 51	8 12	3 38	10 11	8 6	11 57	4 23	22 24	0 39	8 26	2 0	8 42	0 34	4 48	1 2	22 35	2 38	13 19	13 20	14 14	17 2	4 33			
T 17	11 54	3 31	2 54	8 32	3 42	10 19	8 3	12 6	4 24	22 25	0 39	8 28	2 0	8 43	0 34	4 47	1 2	22 35	2 38	13 19	13 22	14 16	17 2	4 33			
F 18	11 33	0s39	3 48	8 55	3 43	10 26	7 59	12 15	4 24	22 25	0 39	8 30	2 0	8 43	0 34	4 46	1 2	22 35	2 38	13 19	13 23	14 17	17 3	4 33			
S 19	11 11	4 41	4 30	9 19	3 41	10 34	7 55	12 23	4 24	22 26	0 39	8 32	2 1	8 44	0 34	4 45	1 2	22 36	2 38	13 20	13 24	14 19	17 3	4 32			
S 20	10 50	8 27	4 58	9 44	3 38	10 42	7 50	12 32	4 24	22 26	0 39	8 34	2 1	8 45	0 34	4 44	1 2	22 36	2 38	13 20	13 25	14 21	17 3	4 32			
M21	10 28	11 50	5 14	10 10	3 32	10 49	7 45	12 41	4 24	22 27	0 39	8 36	2 1	8 46	0 34	4 44	1 2	22 36	2 38	13 20	13 26	14 22	17 3	4 32			
T 22	10 6	14 43	5 16	10 35	3 25	10 56	7 39	12 50	4 24	22 28	0 39	8 38	2 1	8 47	0 34	4 43	1 2	22 37	2 38	13 20	13 27	14 24	17 4	4 32			
W23	9 44	17 0	5 4	11 0	3 16	11 4	7 32	12 59	4 24	22 28	0 39	8 40	2 1	8 48	0 34	4 42	1 2	22 37	2 38	13 20	13 28	14 25	17 4	4 31			
T 24	9 22	18 33	4 40	11 23	3 6	11 10	7 26	13 7	4 23	22 29	0 39	8 42	2 1	8 49	0 34	4 41	1 2	22 37	2 38	13 20	13 29	14 27	17 5	4 31			
F 25	9 0	19 18	4 2	11 45	2 54	11 17	7 19	13 16	4 23	22 29	0 39	8 43	2 1	8 50	0 34	4 40	1 2	22 37	2 38	13 20	13 30	14 28	17 5	4 31			
S 26	8 30	19 8	3 13	12 6	2 42	11 23	7 11	13 24	4 22	22 29	0 39	8 45	2 1	8 51	0 34	4 39	1 2	22 38	2 39	13 19	13 31	14 30	17 5	4 31			
S 27	8 15	18 1	2 14	12 25	2 30	11 30	7 3	13 32	4 22	22 30	0 39	8 47	2 1	8 52	0 34	4 38	1 2	22 38	2 39	13 19	13 32	14 31	17 6	4 31			
M28	7s52	15s57	1n 6	12s42	2n16	11s35	6n56	13n40	4n21	22s30	0n39	8n49	2n 1	8n53	0s34	4s37	1s 2	22n38	2n39	13n19	13n33	14s33	17n 6	4s31			

ASTRODIENST EPHEMERIS for the year 2185
geocentric

MARCH 2185

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 37 11	10 ^h 50'34	25 ^m 55	19°R42	8 ^m 0	4°R43	21 ^m 52	12°R11	24 ^m 19	20 ^m 45	0°R20	24°R36	23 ^m 49	27 ^m 30	7 ^m 34	T 1
W 2	10 41 8	11°50'52	9 ^m 33	19°D42	8°12	4 ^m 19	21°59	12 ^m 7	24°22	20°47	0 ^m 19	24 ^m 35	23°46	27°36	7°36	W 2
T 3	10 45 5	12°51'09	23°29	19 ^m 48	8°27	3°56	22° 5	12° 2	24°25	20°49	0°18	24°34	23°42	27°43	7°37	T 3
F 4	10 49 1	13°51'24	7 ^m 40	20° 0	8°43	3°33	22°12	11°57	24°28	20°52	0°17	24°32	23°39	27°50	7°38	F 4
S 5	10 52 58	14°51'37	22° 0	20°18	9° 1	3°10	22°18	11°52	24°30	20°54	0°16	24°29	23°36	27°57	7°40	S 5
S 6	10 56 54	15°51'49	6 ^m 26	20°41	9°22	2°48	22°24	11°47	24°33	20°56	0°15	24°26	23°33	28° 3	7°41	S 6
M 7	11 0 51	16°51'58	20°50	21°10	9°44	2°26	22°30	11°43	24°36	20°58	0°15	24°24	23°30	28°10	7°43	M 7
T 8	11 4 47	17°52'05	5 ^m 11	21°43	10° 7	2° 5	22°36	11°38	24°39	21° 1	0°14	24°22	23°26	28°17	7°44	T 8
W 9	11 8 44	18°52'10	19°21	22°20	10°33	1°44	22°42	11°33	24°42	21° 3	0°13	24°D21	23°23	28°23	7°46	W 9
T 10	11 12 40	19°52'13	3 ^m 23	23° 2	11° 0	1°24	22°47	11°28	24°45	21° 5	0°12	24°22	23°20	28°30	7°48	T 10
F 11	11 16 37	20°52'14	17°13	23°47	11°29	1° 4	22°53	11°24	24°48	21° 8	0°11	24°23	23°17	28°37	7°49	F 11
S 12	11 20 34	21°52'12	0 ^m 52	24°36	11°59	0°44	22°58	11°19	24°51	21°10	0°11	24°25	23°14	28°44	7°51	S 12
S 13	11 24 30	22°52'09	14°19	25°28	12°31	0°26	23° 3	11°14	24°54	21°12	0°10	24°26	23°11	28°50	7°53	S 13
M14	11 28 27	23°52'03	27°34	26°23	13° 5	0° 8	23° 8	11° 9	24°57	21°14	0° 9	24°R26	23° 7	28°57	7°55	M14
T 15	11 32 23	24°51'55	10 ^m 36	27°22	13°39	29 ^m 50	23°13	11° 5	25° 0	21°17	0° 8	24°25	23° 4	29° 4	7°57	T 15
W16	11 36 20	25°51'45	23°27	28°22	14°15	29°33	23°17	11° 0	25° 3	21°19	0° 8	24°23	23° 1	29°11	7°59	W16
T 17	11 40 16	26°51'34	6 ^m 5	29°26	14°53	29°17	23°22	10°56	25° 6	21°21	0° 7	24°18	22°58	29°17	8° 1	T 17
F 18	11 44 13	27°51'20	18°31	0 ^m 32	15°31	29° 2	23°26	10°51	25° 9	21°23	0° 6	24°13	22°55	29°24	8° 4	F 18
S 19	11 48 9	28°51'04	0 ^m 46	1°40	16°11	28°47	23°30	10°47	25°12	21°26	0° 6	24° 7	22°52	29°31	8° 6	S 19
S 20	11 52 6	29°50'47	12°51	2°50	16°51	28°33	23°34	10°42	25°16	21°28	0° 5	24° 0	22°48	29°37	8° 8	S 20
M21	11 56 2	0 ^m 50'28	24°48	4° 2	17°33	28°20	23°37	10°38	25°19	21°30	0° 5	23°54	22°45	29°44	8°11	M21
T 22	11 59 59	1°50'07	6 ^m 41	5°17	18°16	28° 8	23°41	10°34	25°22	21°32	0° 4	23°50	22°42	29°51	8°13	T 22
W23	12 3 56	2°49'45	18°33	6°33	19° 0	27°56	23°44	10°29	25°25	21°35	0° 4	23°47	22°39	29°58	8°16	W23
T 24	12 7 52	3°49'20	0 ^m 39	7°51	19°45	27°45	23°47	10°25	25°28	21°37	0° 3	23°D46	22°36	0 ^m 7 4	8°18	T 24
F 25	12 11 49	4°48'54	12°34	9°10	20°31	27°35	23°50	10°21	25°32	21°39	0° 3	23°46	22°32	0°11	8°21	F 25
S 26	12 15 45	5°48'26	24°52	10°32	21°18	27°25	23°53	10°17	25°35	21°41	0° 2	23°47	22°29	0°18	8°24	S 26
S 27	12 19 42	6°47'57	7 ^m 28	11°55	22° 5	27°17	23°56	10°13	25°38	21°44	0° 2	23°49	22°26	0°24	8°27	S 27
M28	12 23 38	7°47'26	20°27	13°19	22°54	27° 9	23°58	10° 9	25°41	21°46	0° 1	23°R49	22°23	0°31	8°29	M28
T 29	12 27 35	8°46'52	3 ^m 51	14°46	23°43	27° 2	24° 1	10° 5	25°45	21°48	0° 1	23°49	22°20	0°38	8°32	T 29
W30	12 31 31	9°46'17	17°41	16°13	24°33	26°56	24° 3	10° 1	25°48	21°50	0° 1	23°47	22°17	0°45	8°35	W30
T 31	12 35 28	10 ^m 45'40	1 ^m 55	17 ^m 43	25 ^m 23	26 ^m 50	24 ^m 5 5	9 ^m 57	25 ^m 51	21 ^m 52	0 ^m 0	23 ^m 42	22 ^m 13	0 ^m 51	8 ^m 38	T 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	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	7s30	12s59 0s 7	12s57 2n 3	11s41 6n47	13n48 4n20	22s31 0n39	8n51 2n 2	8n54 0s34	4s37 1s 2	22n38 2n39	13n18 13n34	14s34 17n 6	4s30		
W 2	7 7 9 14	1 22 13 10	1 50 11 46	6 39 13 56	4 19 22 31	0 39 8 53	2 2 8 55	0 34 4 36	1 2 22 39	2 39 13 19	13 35 14 36	17 7 4 30			
T 3	6 44 4 55	2 33 13 21	1 36 11 51	6 30 14 3	4 18 22 31	0 39 8 55	2 2 8 56	0 34 4 35	1 2 22 39	2 39 13 19	13 36 14 38	17 7 4 30			
F 4	6 21 0 16	3 36 13 30	1 23 11 55	6 22 14 11	4 17 22 32	0 39 8 57	2 2 8 57	0 34 4 34	1 2 22 39	2 39 13 20	13 37 14 39	17 8 4 29			
S 5	5 57 4n27	4 26 13 36	1 9 11 59	6 13 14 18	4 15 22 32	0 39 8 59	2 2 8 58	0 34 4 33	1 2 22 39	2 39 13 21	13 38 14 41	17 8 4 29			
S 6	5 34 8 56	4 59 13 42	0 56 12 2	6 4 14 25	4 14 22 32	0 39 9 1	2 2 8 59	0 34 4 32	1 2 22 39	2 39 13 22	13 39 14 42	17 9 4 29			
M 7	5 11 12 54	5 14 13 45	0 43 12 5	5 55 14 31	4 12 22 33	0 39 9 3	2 2 9 0	0 34 4 31	1 2 22 40	2 39 13 23	13 40 14 44	17 9 4 29			
T 8	4 47 16 4	5 9 13 46	0 31 12 8	5 46 14 37	4 11 22 33	0 39 9 4	2 2 9 1	0 33 4 30	1 2 22 40	2 39 13 23	13 41 14 45	17 10 4 28			
W 9	4 24 18 15	4 45 13 45	0 19 12 10	5 37 14 44	4 9 22 33	0 39 9 6	2 2 9 2	0 33 4 29	1 2 22 40	2 39 13 23	13 43 14 47	17 10 4 28			
T 10	4 0 19 18	4 5 13 43	0 7 12 11	5 28 14 49	4 8 22 34	0 39 9 8	2 2 9 3	0 33 4 28	1 2 22 40	2 39 13 23	13 44 14 48	17 10 4 28			
F 11	3 37 19 10	3 10 13 39	0s 4 12 12	5 19 14 55	4 6 22 34	0 39 9 10	2 2 9 4	0 33 4 29	1 2 22 40	2 39 13 23	13 45 14 50	17 11 4 28			
S 12	3 13 17 54	2 6 13 33	0 15 12 13	5 9 15 0	4 4 22 34	0 40 9 12	2 2 9 6	0 33 4 27	1 2 22 41	2 39 13 22	13 46 14 51	17 11 4 28			
S 13	2 50 15 38	0 55 13 25	0 26 12 13	5 0 15 5	4 2 22 34	0 40 9 14	2 2 9 7	0 33 4 26	1 2 22 41	2 39 13 22	13 47 14 53	17 12 4 27			
M14	2 26 12 34	0n17 13 16	0 36 12 13	4 51 15 9	4 0 22 35	0 40 9 15	2 2 9 8	0 33 4 25	1 2 22 41	2 39 13 22	13 48 14 54	17 13 4 27			
T 15	2 2 8 56	1 27 13 5	0 45 12 12	4 42 15 14	3 58 22 35	0 40 9 17	2 2 9 9	0 33 4 24	1 2 22 41	2 39 13 22	13 49 14 56	17 13 4 27			
W16	1 39 4 55	2 32 12 53	0 55 12 11	4 33 15 18	3 56 22 35	0 40 9 19	2 2 9 10	0 33 4 23	1 2 22 41	2 39 13 23	13 50 14 57	17 14 4 27			
T 17	1 15 0 46	3 28 12 39	1 4 12 9	4 24 15 21	3 54 22 35	0 40 9 21	2 2 9 11	0 33 4 22	1 2 22 41	2 39 13 24	13 51 14 59	17 14 4 27			
F 18	0 51 3s21	4 13 12 24	1 12 12 6	4 15 15 25	3 52 22 35	0 40 9 22	2 2 9 12	0 33 4 21	1 2 22 42	2 39 13 26	13 52 15 0	17 15 4 26			
S 19	0 27 7 16	4 45 12 7	1 20 12 3	4 6 15 28	3 49 22 36	0 40 9 24	2 2 9 14	0 33 4 21	1 2 22 42	2 39 13 28	13 53 15 2	17 15 4 26			
S 20	0 4 10 50	5 5 11 49	1 27 12 0	3 57 15 31	3 47 22 36	0 40 9 26	2 2 9 15	0 33 4 20	1 2 22 42	2 39 13 30	13 54 15 3	17 16 4 26			
M21	0n20 13 55	5 10 11 29	1 34 11 56	3 48 15 33	3 45 22 36	0 40 9 27	2 2 9 16	0 33 4 19	1 2 22 42	2 39 13 32	13 55 15 5	17 16 4 26			
T 22	0 44 16 26	5 3 11 8	1 41 11 51	3 39 15 35	3 43 22 36	0 40 9 29	2 2 9 17	0 33 4 18	1 2 22 42	2 39 13 34	13 56 15 6	17 17 4 26			
W23	1 7 18 14	4 42 10 45	1 47 11 46	3 31 15 37	3 40 22 36	0 40 9 31	2 2 9 18	0 33 4 17	1 2 22 42	2 39 13 35	13 57 15 8	17 18 4 25			
T 24	1 31 19 15	4 9 10 22	1 53 11 41	3 22 15 39	3 38 22 36	0 40 9 32	2 2 9 20	0 33 4 16	1 2 22 42	2 39 13 35	13 58 15 9	17 18 4 25			
F 25	1 55 19 25	3 25 9 57	1 58 11 35	3 13 15 40	3 35 22 36	0 40 9 34	2 2 9 21	0 33 4 15	1 2 22 42	2 39 13 35	13 59 15 11	17 19 4 25			
S 26	2 18 18 40	2 30 9 30	2 3 11 28	3 5 15 41	3 33 22 37	0 40 9 35	2 2 9 22	0 33 4 14	1 2 22 42	2 39 13 35	14 0 15 12	17 19 4 25			
S 27	2 42 16 58	1 27 9 3	2 7 11 21	2 57 15 42	3 30 22 37	0 40 9 37	2 2 9 23	0 33 4 14	1 2 22 43	2 39 13 34	14 1 15 14	17 20 4 25			
M28	3 5 14 22	0 18 8 34	2 11 11 13	2 48 15 42	3 28 22 37	0 40 9 38	2 2 9 24	0 33 4 13	1 2 22 43	2 39 13 34	14 2 15 15	17 21 4 24			
T 29	3 29 10 56	0s54 8 4	2 14 11 5	2 40 15 42	3 25 22 37	0 40 9 40	2 2 9 26	0 33 4 12	1 2 22 43	2 39 13 34	14 3 15 17	17 21 4 24			
W30	3 52 6 47	2 5 7 32	2 17 10 56	2 32 15 42	3 23 22 37	0 40 9 41	2 2 9 27	0 33 4 11	1 2 22 43	2 39 13 35	14 4 15 18	17 22 4 24			
T 31	4n15 2s 9	3s11 7s 0	2s20 10s47	2n24 15n42	3n20 22s37	0n40 9n43	2n 2 9n28	0s33 4s10	1s 2 22n43	2n39 13n36	14n 5 15s20	17n22 4s24			

Julian Day Number = 2519174.5, Delta T = 149.19 sec
Ecliptic obliquity = 23°24'48", Nutation = - 0°00'09", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°19'40", Lahiri = 26°26'41"

ASTRODIENST EPHEMERIS for the year 2185

geocentric

APRIL 2185

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 39 25	11°45'01	16°30	19°13	26°14	26°R46	24°♂ 6	9°R53	25°55	21°55	0°R 0	23°R36	22°10	0°58	8°II41	F 1
S 2	12 43 21	12°44'20	18°18	20°45	27° 6	26°Q42	24° 8	9°50	25°58	21°57	29°59	23°Q28	22° 7	1° 5	8°44	S 2
S 3	12 47 18	13°43'37	16°11	22°19	27°59	26°39	24° 9	9°46	26° 2	21°59	29°59	23°21	22° 4	1°11	8°48	S 3
M 4	12 51 14	14°42'52	11° 1	23°54	28°52	26°36	24°10	9°43	26° 5	22° 1	29°59	23°13	22° 1	1°18	8°51	M 4
T 5	12 55 11	15°42'05	15°40	25°31	29°46	26°35	24°11	9°39	26° 8	22° 3	29°59	23° 8	21°57	1°25	8°54	T 5
W 6	12 59 7	16°41'15	0°52	27° 8	0°40	26°34	24°12	9°36	26°12	22° 5	29°59	23° 5	21°54	1°32	8°57	W 6
T 7	13 3 4	17°40'23	14° 5	28°48	1°35	26°D34	24°13	9°33	26°15	22° 7	29°59	23°D 3	21°51	1°38	9° 1	T 7
F 8	13 7 0	18°39'28	27°49	0°29	2°30	26°34	24°13	9°29	26°19	22°10	29°59	23° 4	21°48	1°45	9° 4	F 8
S 9	13 10 57	19°38'32	11°Q14	2°11	3°26	26°36	24°13	9°26	26°22	22°12	29°59	23° 5	21°45	1°52	9° 8	S 9
S 10	13 14 54	20°37'33	24°23	3°55	4°23	26°38	24°R13	9°23	26°25	22°14	29°59	23°R 5	21°42	1°59	9°11	S 10
M 11	13 18 50	21°36'31	7°18	5°40	5°20	26°41	24°13	9°20	26°29	22°16	29°59	23° 4	21°38	2° 5	9°15	M 11
T 12	13 22 47	22°35'27	20° 0	7°26	6°17	26°44	24°13	9°18	26°32	22°18	29°D59	23° 1	21°35	2°12	9°18	T 12
W 13	13 26 43	23°34'22	2°31	9°15	7°15	26°48	24°12	9°15	26°36	22°20	29°59	22°55	21°32	2°19	9°22	W 13
T 14	13 30 40	24°33'14	14°54	11° 4	8°13	26°53	24°12	9°12	26°39	22°22	29°59	22°46	21°29	2°25	9°26	T 14
F 15	13 34 36	25°32'04	27° 8	12°55	9°11	26°59	24°11	9° 9	26°43	22°24	29°59	22°36	21°26	2°32	9°29	F 15
S 16	13 38 33	26°30'52	9°14	14°48	10°10	27° 5	24°10	9° 7	26°46	22°26	29°59	22°24	21°23	2°39	9°33	S 16
S 17	13 42 29	27°29'38	21°14	16°42	11°10	27°12	24° 8	9° 5	26°49	22°28	29°59	22°12	21°19	2°46	9°37	S 17
M 18	13 46 26	28°28'22	3°8	18°38	12°10	27°19	24° 7	9° 2	26°53	22°30	29°59	22° 0	21°16	2°52	9°41	M 18
T 19	13 50 22	29°27'05	15° 0	20°35	13°10	27°27	24° 5	9° 0	26°56	22°32	29°59	21°50	21°13	2°59	9°45	T 19
W 20	13 54 19	0°25'46	26°52	22°34	14°10	27°36	24° 4	8°58	27° 0	22°33	29°59	21°43	21°10	3° 6	9°49	W 20
T 21	13 58 16	1°24'25	8°46	24°34	15°11	27°45	24° 2	8°56	27° 3	22°35	29°59	21°38	21° 7	3°12	9°53	T 21
F 22	14 2 12	2°23'02	20°49	26°36	16°12	27°55	23°59	8°54	27° 7	22°37	29°59	21°36	21° 3	3°19	9°57	F 22
S 23	14 6 9	3°21'38	3°4	28°38	17°14	28° 5	23°57	8°52	27°10	22°39	0°Q 0	21°D35	21° 0	3°26	10° 1	S 23
S 24	14 10 5	4°20'12	15°36	0°43	18°15	28°16	23°54	8°50	27°13	22°41	0° 0	21°R35	20°57	3°33	10° 5	S 24
M 25	14 14 2	5°18'45	28°31	2°48	19°17	28°28	23°52	8°49	27°17	22°43	0° 1	21°35	20°54	3°39	10° 9	M 25
T 26	14 17 58	6°17'16	11°53	4°54	20°20	28°40	23°49	8°47	27°20	22°44	0° 1	21°34	20°51	3°46	10°13	T 26
W 27	14 21 55	7°15'45	25°43	7° 2	21°22	28°52	23°46	8°46	27°24	22°46	0° 1	21°30	20°48	3°53	10°17	W 27
T 28	14 25 51	8°14'12	10°2	9°10	22°25	29° 6	23°42	8°45	27°27	22°48	0° 2	21°24	20°44	4° 0	10°21	T 28
F 29	14 29 48	9°12'38	24°47	11°18	23°28	29°19	23°39	8°43	27°30	22°50	0° 2	21°15	20°41	4° 6	10°26	F 29
S 30	14 33 45	10°11'02	9°51	13°27	24°31	29°Q33	23°35	8°42	27°34	22°51	0°Q 3	21°Q 5	20°Q38	4°13	10°II30	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	4n38	2n42	4s 5	6s26	2s22	10s37	2n16	15n41	3n18	22s37	0n40	9n44	2n 2	9n29	0s33	4s 9	1s 2	22n43	2n39	13n38	14n 6	15s21	17n23	4s24			
S 2	5 2	7 28	4 44	5 51	2 24	10 27	2 8	15 40	3 15	22 37	0 40	9 45	2 2	9 30	0 33	4 8	1 2	22 43	2 39	13 41	14 7	15 23	17 24	4 24			
S 3	5 25	11 48	5 4	5 16	2 25	10 17	2 0	15 39	3 13	22 37	0 40	9 47	2 2	9 32	0 33	4 8	1 2	22 43	2 39	13 43	14 8	15 24	17 24	4 23			
M 4	5 48	15 23	5 4	4 39	2 25	10 5	1 53	15 37	3 10	22 37	0 40	9 48	2 2	9 33	0 33	4 7	1 2	22 43	2 39	13 46	14 9	15 25	17 25	4 23			
T 5	6 10	17 57	4 43	4 0	2 25	9 54	1 45	15 35	3 8	22 37	0 40	9 49	2 2	9 34	0 33	4 6	1 2	22 43	2 39	13 48	14 10	15 27	17 26	4 23			
W 6	6 33	19 19	4 6	3 21	2 25	9 42	1 38	15 33	3 5	22 37	0 40	9 50	2 1	9 35	0 33	4 5	1 2	22 43	2 39	13 49	14 11	15 28	17 26	4 23			
T 7	6 56	19 28	3 13	2 41	2 24	9 29	1 31	15 31	3 3	22 37	0 40	9 51	2 1	9 37	0 33	4 4	1 2	22 43	2 39	13 49	14 12	15 30	17 27	4 23			
F 8	7 18	18 26	2 11	2 0	2 23	9 16	1 23	15 28	3 1	22 37	0 40	9 53	2 1	9 38	0 33	4 4	1 2	22 43	2 39	13 49	14 14	15 31	17 28	4 23			
S 9	7 41	16 22	1 3	1 17	2 21	9 3	1 16	15 25	2 58	22 37	0 40	9 54	2 1	9 39	0 33	4 3	1 2	22 43	2 39	13 49	14 15	15 33	17 28	4 22			
S 10	8 3	13 29	0n 7	0 34	2 19	8 49	1 9	15 22	2 56	22 37	0 40	9 55	2 1	9 40	0 33	4 2	1 2	22 43	2 39	13 49	14 16	15 34	17 29	4 22			
M11	8 25	9 59	1 15	0n10	2 16	8 35	1 3	15 19	2 53	22 37	0 40	9 56	2 1	9 42	0 33	4 1	1 2	22 43	2 39	13 49	14 17	15 36	17 30	4 22			
T 12	8 47	6 5	2 19	0 55	2 13	8 20	0 56	15 16	2 51	22 37	0 40	9 57	2 1	9 43	0 33	4 0	1 2	22 43	2 39	13 50	14 18	15 37	17 30	4 22			
W13	9 9	1 58	3 14	1 41	2 9	8 5	0 49	15 12	2 48	22 37	0 40	9 58	2 1	9 44	0 33	4 0	1 2	22 43	2 39	13 52	14 19	15 39	17 31	4 22			
T 14	9 30	2s11	4 0	2 28	2 4	7 49	0 43	15 8	2 46	22 37	0 40	9 59	2 1	9 45	0 33	3 59	1 2	22 43	2 39	13 55	14 20	15 40	17 32	4 22			
F 15	9 52	6 11	4 34	3 16	2 0	7 33	0 36	15 4	2 44	22 37	0 40	9 59	2 1	9 47	0 33	3 58	1 2	22 43	2 39	13 58	14 21	15 41	17 32	4 22			
S 16	10 13	9 54	4 55	4 4	1 54	7 17	0 30	15 0	2 41	22 37	0 40	10 0	2 1	9 48	0 33	3 57	1 2	22 43	2 39	14 2	14 22	15 43	17 33	4 21			
S 17	10 34	13 11	5 2	4 53	1 48	7 0	0 24	14 55	2 39	22 37	0 40	10 1	2 0	9 49	0 33	3 57	1 2	22 43	2 39	14 6	14 23	15 44	17 34	4 21			
M18	10 55	15 54	4 57	5 43	1 42	6 43	0 18	14 50	2 37	22 37	0 40	10 2	2 0	9 50	0 33	3 56	1 2	22 43	2 39	14 10	14 24	15 46	17 34	4 21			
T 19	11 16	17 58	4 38	6 34	1 35	6 25	0 12	14 45	2 34	22 37	0 40	10 3	2 0	9 52	0 33	3 55	1 2	22 43	2 39	14 13	14 25	15 47	17 35	4 21			
W20	11 37	19 15	4 8	7 24	1 28	6 8	0 6	14 40	2 32	22 37	0 40	10 3	2 0	9 53	0 33	3 54	1 2	22 43	2 39	14 15	14 26	15 49	17 36	4 21			
T 21	11 57	19 41	3 27	8 16	1 20	5 49	0 1	14 35	2 30	22 36	0 40	10 4	2 0	9 54	0 33	3 54	1 3	22 43	2 39	14 17	14 27	15 50	17 36	4 21			
F 22	12 17	19 14	2 36	9 8	1 12	5 31	0s 5	14 29	2 27	22 36	0 40	10 5	2 0	9 55	0 33	3 53	1 3	22 43	2 39	14 17	14 28	15 51	17 37	4 21			
S 23	12 37	17 53	1 37	9 59	1 3	5 12	0 10	14 24	2 25	22 36	0 40	10 5	2 0	9 56	0 33	3 52	1 3	22 43	2 39	14 18	14 29	15 53	17 38	4 21			
S 24	12 57	15 38	0 32	10 51	0 54	4 53	0 16	14 18	2 23	22 36	0 40	10 6	2 0	9 58	0 33	3 52	1 3	22 43	2 39	14 18	14 30	15 54	17 38	4 21			
M25	13 17	12 33	0s37	11 44	0 45	4 33	0 21	14 12	2 21	22 36	0 40	10 6	2 0	9 59	0 33	3 51	1 3	22 43	2 39	14 18	14 31	15 56	17 39	4 21			
T 26	13 36	8 43	1 45	12 35	0 35	4 14	0 26	14 6	2 19	22 36	0 40	10 7	1 59	10 0	0 33	3 50	1 3	22 43	2 39	14 18	14 32	15 57	17 40	4 20			
W27	13 55	4 18	2 50	13 27	0 25	3 53	0 31	13 59	2 17	22 36	0 40	10 7	1 59	10 1	0 33	3 50	1 3	22 43	2 39	14 19	14 33	15 59	17 40	4 20			
T 28	14 14	0n30	3 47	14 18	0 15	3 33	0 36	13 53	2 14	22 36	0 40	10 7	1 59	10 3	0 33	3 49	1 3	22 43	2 39	14 21	14 34	16 0	17 41	4 20			
F 29	14 33	5 24	4 30	15 8	0 4	3 13	0 40	13 46	2 12	22 35	0 40	10 8	1 59	10 4	0 33	3 48	1 3	22 42	2 39	14 24	14 35	16 1	17 42	4 20			
S 30	14n51	10n 5	4s55	15n57	0n 6	2s52	0s45	13n39	2n10	22s35	0n40	10n 8	1n59	10n 5	0s33	3s48	1s 3	22n42	2n39	14n27	14n36	16s 3	17n42	4s20			

ASTRODIENST EPHEMERIS for the year 2185

geocentric

MAY 2185

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 41	11° 8' 25"	25° 8' 4"	15° 8' 36"	25° 8' 35"	29° 8' 48"	23° 8' 32"	8° 8' 41"	27° 8' 37"	22° 8' 53"	0° 8' 3"	20° 8' 54"	20° 8' 35"	4° 8' 20"	10° 8' 34"	S 1
M 2	14 41 38	12° 7' 45"	10° 8' 15"	17° 4' 45"	26° 3' 39"	0° 8' 3"	23° 8' 28"	8° 8' 40"	27° 8' 41"	22° 8' 55"	0° 8' 4"	20° 8' 43"	20° 8' 32"	4° 8' 26"	10° 8' 39"	M 2
T 3	14 45 34	13° 6' 04"	25° 13'	19° 5' 53"	27° 4' 43"	0° 8' 19"	23° 8' 24"	8° 8' 40"	27° 8' 44"	22° 8' 56"	0° 8' 4"	20° 8' 35"	20° 8' 29"	4° 8' 33"	10° 8' 43"	T 3
W 4	14 49 31	14° 4' 21"	9° 8' 52"	22° 0' 0"	28° 4' 47"	0° 8' 35"	23° 8' 19"	8° 8' 39"	27° 8' 47"	22° 8' 58"	0° 8' 5"	20° 8' 30"	20° 8' 25"	4° 8' 40"	10° 8' 47"	W 4
T 5	14 53 27	15° 2' 35"	24° 6' 24"	24° 6' 24"	29° 5' 51"	0° 8' 51"	23° 8' 15"	8° 8' 38"	27° 8' 51"	23° 8' 0"	0° 8' 5"	20° 8' 26"	20° 8' 22"	4° 8' 47"	10° 8' 52"	T 5
F 6	14 57 24	16° 0' 48"	7° 8' 55"	26° 1' 11"	0° 8' 56"	1° 8' 8"	23° 8' 10"	8° 8' 38"	27° 8' 54"	23° 8' 1"	0° 8' 6"	20° 8' 25"	20° 8' 19"	4° 8' 53"	10° 8' 56"	F 6
S 7	15 1 20	16° 58' 59"	21° 1' 19"	28° 1' 14"	2° 1' 25"	1° 8' 25"	23° 8' 5"	8° 8' 37"	27° 8' 57"	23° 8' 3"	0° 8' 6"	20° 8' 25"	20° 8' 16"	5° 8' 0"	11° 8' 1"	S 7
S 8	15 5 17	17° 57' 07"	4° 8' 21"	0° 8' 16"	3° 8' 6"	1° 8' 43"	23° 8' 1"	8° 8' 37"	28° 8' 0"	23° 8' 4"	0° 8' 7"	20° 8' 25"	20° 8' 13"	5° 8' 7"	11° 8' 5"	S 8
M 9	15 9 14	18° 55' 14"	17° 6' 17"	2° 1' 41"	4° 8' 11"	2° 8' 20"	22° 8' 56"	8° 8' 37"	28° 8' 4"	23° 8' 6"	0° 8' 8"	20° 8' 23"	20° 8' 9"	5° 8' 13"	11° 8' 10"	M 9
T 10	15 13 10	19° 53' 18"	29° 3' 35"	4° 8' 11"	5° 8' 16"	2° 8' 20"	22° 8' 50"	8° 8' 37"	28° 8' 7"	23° 8' 7"	0° 8' 8"	20° 8' 19"	20° 8' 6"	5° 8' 20"	11° 8' 14"	T 10
W 11	15 17 7	20° 51' 21"	11° 8' 54"	6° 8' 4"	6° 8' 22"	2° 8' 39"	22° 8' 45"	8° 8' 37"	28° 8' 10"	23° 8' 8"	0° 8' 9"	20° 8' 12"	20° 8' 3"	5° 8' 27"	11° 8' 19"	W 11
T 12	15 21 3	21° 49' 22"	24° 4' 7"	7° 8' 55"	7° 8' 28"	2° 8' 58"	22° 8' 40"	8° 8' 37"	28° 8' 13"	23° 8' 10"	0° 8' 10"	20° 8' 2"	20° 8' 0"	5° 8' 34"	11° 8' 23"	T 12
F 13	15 25 0	22° 47' 21"	6° 8' 7"	9° 8' 43"	8° 8' 33"	3° 8' 18"	22° 8' 34"	8° 8' 37"	28° 8' 17"	23° 8' 11"	0° 8' 11"	19° 8' 50"	19° 8' 57"	5° 8' 40"	11° 8' 28"	F 13
S 14	15 28 56	23° 45' 19"	18° 5' 11"	11° 8' 28"	9° 8' 39"	3° 8' 38"	22° 8' 28"	8° 8' 38"	28° 8' 20"	23° 8' 13"	0° 8' 11"	19° 8' 36"	19° 8' 54"	5° 8' 47"	11° 8' 33"	S 14
S 15	15 32 53	24° 43' 15"	0° 8' 0"	13° 8' 9"	10° 8' 46"	3° 8' 59"	22° 8' 22"	8° 8' 38"	28° 8' 23"	23° 8' 14"	0° 8' 12"	19° 8' 22"	19° 8' 50"	5° 8' 54"	11° 8' 37"	S 15
M 16	15 36 49	25° 41' 09"	11° 8' 53"	14° 8' 47"	11° 8' 52"	4° 8' 20"	22° 8' 16"	8° 8' 39"	28° 8' 26"	23° 8' 15"	0° 8' 13"	19° 8' 9"	19° 8' 47"	6° 8' 0"	11° 8' 42"	M 16
T 17	15 40 46	26° 39' 03"	23° 44'	16° 8' 22"	12° 8' 58"	4° 8' 41"	22° 8' 10"	8° 8' 40"	28° 8' 29"	23° 8' 16"	0° 8' 14"	18° 8' 58"	19° 8' 44"	6° 8' 7"	11° 8' 47"	T 17
W 18	15 44 43	27° 36' 54"	5° 8' 33"	17° 8' 53"	14° 8' 5"	5° 8' 2"	22° 8' 4"	8° 8' 40"	28° 8' 32"	23° 8' 18"	0° 8' 15"	18° 8' 49"	19° 8' 41"	6° 8' 14"	11° 8' 51"	W 18
T 19	15 48 39	28° 34' 45"	17° 8' 34"	19° 8' 20"	15° 8' 12"	5° 8' 24"	21° 8' 58"	8° 8' 41"	28° 8' 35"	23° 8' 19"	0° 8' 16"	18° 8' 43"	19° 8' 38"	6° 8' 21"	11° 8' 56"	T 19
F 20	15 52 36	29° 32' 34"	29° 8' 38"	20° 8' 44"	16° 8' 19"	5° 8' 46"	21° 8' 51"	8° 8' 42"	28° 8' 39"	23° 8' 20"	0° 8' 16"	18° 8' 39"	19° 8' 35"	6° 8' 27"	12° 8' 1"	F 20
S 21	15 56 32	0° 8' 30' 22"	11° 8' 53"	22° 8' 4"	17° 8' 26"	6° 8' 9"	21° 8' 45"	8° 8' 43"	28° 8' 42"	23° 8' 21"	0° 8' 17"	18° 8' 38"	19° 8' 31"	6° 8' 34"	12° 8' 6"	S 21
S 22	16 0 29	1° 28' 09"	24° 8' 24"	23° 8' 21"	18° 8' 33"	6° 8' 32"	21° 8' 38"	8° 8' 44"	28° 8' 45"	23° 8' 22"	0° 8' 18"	18° 8' 38"	19° 8' 28"	6° 8' 41"	12° 8' 10"	S 22
M 23	16 4 25	2° 25' 55"	7° 8' 15"	24° 8' 34"	19° 8' 40"	6° 8' 55"	21° 8' 31"	8° 8' 46"	28° 8' 48"	23° 8' 23"	0° 8' 19"	18° 8' 38"	19° 8' 25"	6° 8' 47"	12° 8' 15"	M 23
T 24	16 8 22	3° 23' 39"	20° 8' 31"	25° 8' 42"	20° 8' 47"	7° 8' 18"	21° 8' 24"	8° 8' 47"	28° 8' 51"	23° 8' 24"	0° 8' 20"	18° 8' 37"	19° 8' 22"	6° 8' 54"	12° 8' 20"	T 24
W 25	16 12 18	4° 21' 23"	4° 8' 15"	26° 8' 47"	21° 8' 55"	7° 8' 42"	21° 8' 17"	8° 8' 49"	28° 8' 54"	23° 8' 26"	0° 8' 21"	18° 8' 34"	19° 8' 19"	7° 8' 1"	12° 8' 25"	W 25
T 26	16 16 15	5° 19' 06"	18° 8' 29"	27° 8' 48"	23° 8' 3"	8° 8' 6"	21° 8' 10"	8° 8' 50"	28° 8' 57"	23° 8' 27"	0° 8' 22"	18° 8' 28"	19° 8' 15"	7° 8' 8"	12° 8' 29"	T 26
F 27	16 20 12	6° 16' 47"	3° 8' 9"	28° 8' 45"	24° 8' 10"	8° 8' 30"	21° 8' 3"	8° 8' 52"	28° 8' 59"	23° 8' 28"	0° 8' 23"	18° 8' 21"	19° 8' 12"	7° 8' 14"	12° 8' 34"	F 27
S 28	16 24 8	7° 14' 28"	18° 8' 12"	29° 8' 38"	25° 8' 18"	8° 8' 55"	20° 8' 56"	8° 8' 54"	29° 8' 2"	23° 8' 28"	0° 8' 24"	18° 8' 11"	19° 8' 9"	7° 8' 21"	12° 8' 39"	S 28
S 29	16 28 5	8° 12' 07"	3° 8' 22"	0° 8' 27"	26° 8' 26"	9° 8' 20"	20° 8' 49"	8° 8' 56"	29° 8' 5"	23° 8' 29"	0° 8' 25"	18° 8' 1"	19° 8' 6"	7° 8' 28"	12° 8' 44"	S 29
M 30	16 32 1	9° 9' 46"	18° 8' 27"	1° 8' 12"	27° 8' 34"	9° 8' 45"	20° 8' 41"	8° 8' 58"	29° 8' 8"	23° 8' 30"	0° 8' 27"	17° 8' 52"	19° 8' 3"	7° 8' 34"	12° 8' 49"	M 30
T 31	16 35 58	10° 8' 7' 23"	3° 8' 56"	1° 8' 52"	28° 8' 42"	10° 8' 10"	20° 8' 34"	9° 8' 0"	29° 8' 11"	23° 8' 31"	0° 8' 28"	17° 8' 44"	19° 8' 0"	7° 8' 41"	12° 8' 53"	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
S 1	15n10	14n 9	5 s 0	16n46	0n17	2s31	0s49	13n32	2n 8	22s35	0n40	10n 8	1n59	10n 6	0s33	3s47	1 s 3	22n42	2n39	14n31	14n37	16s 4	17n43	4s20					
M 2	15 28	17 17	4 44	17 33	0 27	2 9	0 54	13 25	2 6	22 35	0 40	10 9	1 59	10 7	0 33	3 46	1 3	22 42	2 39	14 34	14 38	16 6	17 44	4 20					
T 3	15 45	19 12	4 8	18 18	0 38	1 48	0 58	13 17	2 4	22 35	0 40	10 9	1 59	10 9	0 33	3 46	1 3	22 42	2 39	14 37	14 39	16 7	17 44	4 20					
W 4	16 3	19 47	3 17	19 2	0 49	1 26	1 2	13 10	2 2	22 35	0 40	10 9	1 58	10 10	0 33	3 45	1 3	22 42	2 39	14 39	14 40	16 8	17 45	4 20					
T 5	16 20	19 4	2 14	19 44	0 59	1 4	1 6	13 2	2 0	22 34	0 40	10 9	1 58	10 11	0 33	3 45	1 3	22 42	2 39	14 40	14 41	16 10	17 46	4 20					
F 6	16 37	17 13	1 6	20 23	1 9	0 42	1 10	12 54	1 58	22 34	0 40	10 9	1 58	10 12	0 33	3 44	1 3	22 42	2 39	14 40	14 42	16 11	17 46	4 20					
S 7	16 53	14 27	0n 5	21 1	1 18	0 19	1 14	12 46	1 56	22 34	0 40	10 9	1 58	10 13	0 33	3 43	1 3	22 42	2 39	14 40	14 43	16 13	17 47	4 20					
S 8	17 10	11 2	1 13	21 36	1 27	0n 3	1 17	12 38	1 54	22 34	0 40	10 9	1 58	10 15	0 33	3 43	1 3	22 41	2 39	14 40	14 44	16 14	17 47	4 20					
M 9	17 26	7 11	2 16	22 9	1 36	0 26	1 21	12 30	1 53	22 34	0 40	10 9	1 58	10 16	0 33	3 42	1 3	22 41	2 39	14 41	14 45	16 15	17 48	4 20					
T 10	17 42	3 5	3 11	22 39	1 44	0 48	1 24	12 21	1 51	22 33	0 40	10 9	1 58	10 17	0 33	3 42	1 3	22 41	2 39	14 42	14 46	16 17	17 49	4 20					
W 11	17 57	1s 4	3 56	23 7	1 51	1 11	1 27	12 13	1 49	22 33	0 40	10 9	1 57	10 18	0 33	3 41	1 3	22 41	2 39	14 44	14 47	16 18	17 49	4 20					
T 12	18 12	5 8	4 30	23 33	1 58	1 34	1 30	12 4	1 47	22 33	0 40	10 8	1 57	10 19	0 33	3 41	1 3	22 41	2 39	14 47	14 48	16 20	17 50	4 20					
F 13	18 27	8 58	4 51	23 55	2 4	1 58	1 33	11 55	1 45	22 33	0 40	10 8	1 57	10 20	0 33	3 40	1 3	22 41	2 39	14 51	14 49	16 21	17 51	4 20					
S 14	18 41	12 24	4 59	24 16	2 9	2 21	1 36	11 46	1 43	22 32	0 40	10 8	1 57	10 21	0 33	3 40	1 3	22 41	2 39	14 55	14 50	16 22	17 51	4 20					
S 15	18 56	15 20	4 55	24 33	2 13	2 44	1 39	11 37	1 42	22 32	0 40	10 8	1 57	10 23	0 33	3 39	1 3	22 40	2 39	15 0	14 51	16 24	17 52	4 20					
M 16	19 10	17 37	4 37	24 49	2 17	3 8	1 41	11 28	1 40	22 32	0 40	10 7	1 57	10 24	0 33	3 39	1 3	22 40	2 39	15 4	14 52	16 25	17 53	4 20					
T 17	19 23	19 9	4 7	25 2	2 20	3 31	1 44	11 19	1 38	22 31	0 40	10 7	1 57	10 25	0 33	3 38	1 3	22 40	2 39	15 7	14 53	16 26	17 53	4 20					
W 18	19 36	19 51	3 26	25 13	2 21	3 55	1 46	11 9	1 37	22 31	0 40	10 7	1 56	10 26	0 33	3 38	1 3	22 40	2 39	15 10	14 54	16 28	17 54	4 20					
T 19	19 49	19 41	2 36	25 21	2 22	4 18	1 49	10 59	1 35	22 31	0 40	10 6	1 56	10 27	0 33	3 37	1 4	22 40	2 39	15 12	14 55	16 29	17 54	4 20					
F 20	20 2	18 36	1 39	25 28	2 23	4 42	1 51	10 50	1 33	22 30	0 39	10 6	1 56	10 28	0 33	3 37	1 4	22 39	2 39	15 13	14 56	16 30	17 55	4 20					
S 21	20 14	16 38	0 36	25 32	2 22	5 6	1 53	10 40	1 31	22 30	0 39	10 5	1 56	10 29	0 33	3 37	1 4	22 39	2 39	15 14	14 57	16 32	17 55	4 20					
S 22	20 26	13 51	0s31	25 35	2 20	5 29	1 55	10 30	1 30	22 30	0 39	10 4	1 56	10 30	0 33	3 36	1 4	22 39	2 39	15 14	14 58	16 33	17 56	4 20					
M 23	20 37	10 20	1 37	25 36	2 18	5 53	1 57	10 20	1 28	22 29	0 39	10 4	1 56	10 31	0 33	3 36	1 4	22 39	2 39	15 14	14 59	16 35	17 57	4 20					
T 24	20 49	6 13	2 40	25 35	2 14	6 17	1 58	10 10	1 27	22 29	0 39	10 3	1 56	10 32	0 33	3 35	1 4	22 39	2 39	15 14	15 0	16 36	17 57	4 20					
W 25	20 59	1 38	3 37	25 32	2 10	6 40	2 0	9 59	1 25	22 29	0 39	10 2	1 55	10 33	0 33	3 35	1 4	22 38	2 39	15 15	15 1	16 37	17 58	4 20					
T 26	21 10	3n12	4 22	25 28	2 5	7 4	2 1	9 49	1 23	22 28	0 39	10 2	1 55	10 34	0 33	3 35	1 4	22 38	2 39	15 16	15 2	16 39	17 58	4 20					
F 27	21 20	7 59	4 52	25 23	1 58	7 28	2 3	9 38	1 22	22 28	0 39	10 1	1 55	10 35	0 33	3 34	1 4	22 38	2 39	15 19	15 3	16 40	17 59	4 20					
S 28	21 30	12 23	5 2	25 16	1 51	7 51	2 4	9 28	1 20	22 27	0 39	10 0	1 55	10 36	0 33	3 34	1 4	22 38	2 39	15 22	15 4	16 41	17 59	4 20					
S 29	21 39	16 3	4 51	25 8	1 43	8 15	2 5	9 17	1 19	22 27	0 39	9 59	1 55	10 37	0 33	3 34	1 4	22 38	2 39	15 25	15 5	16 43	18 0	4 20					
M 30	21 48	18 38	4 20	24 59	1 34	8 38	2 6	9 6	1 17	22 27	0 39	9 58	1 55	10 38	0 33	3 33	1 4	22 37	2 39	15 28	15 6	16 44	18 1	4 20					
T 31	21n57	19n51	3s30	24n49	1n25	9n 1	2s 7	8n55	1n16	22s26	0n39	9n57	1n55	10n39	0s33	3s33	1s 4	22n37	2n39	15n30	15n 7	16s45	18n 1	4s20					

ASTRODIENST EPHEMERIS for the year 2185
geocentric

JUNE 2185

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 39 54	11 ^{II} 4'59	18 [☾] 47	2 [☿] 28	29 [♂] 51	10 [♂] 36	20 [♂] 27	9 [♂] 2	29 [♂] 14	23 [♂] 32	0 [♂] 29	17 [♂] 39	18 [♂] 56	7 [♂] 48	12 [♂] 58	W 1
T 2	16 43 51	12 [°] 2'33	3 [♂] 13	2 [°] 59	0 [♂] 59	11 [°] 2	20 [♂] 19	9 [°] 4	29 [°] 16	23 [°] 33	0 [°] 30	17 [°] 36	18 [°] 53	7 [°] 55	13 [°] 3	T 2
F 3	16 47 48	13 [°] 0'06	17 [°] 11	3 [°] 26	2 [°] 7	11 [°] 28	20 [°] 12	9 [°] 7	29 [°] 19	23 [°] 33	0 [°] 31	17 [°] D35	18 [°] 50	8 [°] 1	13 [°] 8	F 3
S 4	16 51 44	13 [°] 57'38	0 [♂] 41	3 [°] 48	3 [°] 16	11 [°] 55	20 [°] 4	9 [°] 9	29 [°] 22	23 [°] 34	0 [°] 32	17 [°] 36	18 [°] 47	8 [°] 8	13 [°] 13	S 4
S 5	16 55 41	14 [°] 55'08	13 [°] 46	4 [°] 6	4 [°] 25	12 [°] 21	19 [°] 57	9 [°] 12	29 [°] 24	23 [°] 35	0 [°] 34	17 [°] R36	18 [°] 44	8 [°] 15	13 [°] 18	S 5
M 6	16 59 37	15 [°] 52'37	26 [°] 30	4 [°] 19	5 [°] 33	12 [°] 48	19 [°] 49	9 [°] 15	29 [°] 27	23 [°] 36	0 [°] 35	17 [°] 35	18 [°] 41	8 [°] 22	13 [°] 22	M 6
T 7	17 3 34	16 [°] 50'05	8 [♂] 56	4 [°] 27	6 [°] 42	13 [°] 15	19 [°] 41	9 [°] 17	29 [°] 30	23 [°] 36	0 [°] 36	17 [°] 33	18 [°] 37	8 [°] 28	13 [°] 27	T 7
W 8	17 7 30	17 [°] 47'32	21 [°] 8	4 [°] R31	7 [°] 51	13 [°] 43	19 [°] 34	9 [°] 20	29 [°] 32	23 [°] 37	0 [°] 37	17 [°] 28	18 [°] 34	8 [°] 35	13 [°] 32	W 8
T 9	17 11 27	18 [°] 44'57	3 [♂] 12	4 [°] 30	9 [°] 0	14 [°] 10	19 [°] 26	9 [°] 23	29 [°] 35	23 [°] 37	0 [°] 39	17 [°] 21	18 [°] 31	8 [°] 42	13 [°] 37	T 9
F 10	17 15 23	19 [°] 42'22	15 [°] 9	4 [°] 25	10 [°] 9	14 [°] 38	19 [°] 18	9 [°] 26	29 [°] 37	23 [°] 38	0 [°] 40	17 [°] 12	18 [°] 28	8 [°] 48	13 [°] 42	F 10
S 11	17 19 20	20 [°] 39'45	27 [°] 2	4 [°] 16	11 [°] 18	15 [°] 6	19 [°] 11	9 [°] 29	29 [°] 40	23 [°] 38	0 [°] 41	17 [°] 2	18 [°] 25	8 [°] 55	13 [°] 46	S 11
S 12	17 23 16	21 [°] 37'08	8 [♂] 54	4 [°] 2	12 [°] 27	15 [°] 34	19 [°] 3	9 [°] 33	29 [°] 42	23 [°] 39	0 [°] 43	16 [°] 52	18 [°] 21	9 [°] 2	13 [°] 51	S 12
M13	17 27 13	22 [°] 34'29	20 [°] 47	3 [°] 44	13 [°] 36	16 [°] 3	18 [°] 56	9 [°] 36	29 [°] 44	23 [°] 39	0 [°] 44	16 [°] 42	18 [°] 18	9 [°] 9	13 [°] 56	M13
T 14	17 31 10	23 [°] 31'50	2 [♂] 41	3 [°] 23	14 [°] 46	16 [°] 31	18 [°] 48	9 [°] 39	29 [°] 47	23 [°] 40	0 [°] 45	16 [°] 33	18 [°] 15	9 [°] 15	14 [°] 1	T 14
W15	17 35 6	24 [°] 29'11	14 [°] 39	2 [°] 59	15 [°] 55	17 [°] 0	18 [°] 40	9 [°] 43	29 [°] 49	23 [°] 40	0 [°] 47	16 [°] 27	18 [°] 12	9 [°] 22	14 [°] 6	W15
T 16	17 39 3	25 [°] 26'30	26 [°] 43	2 [°] 31	17 [°] 5	17 [°] 29	18 [°] 33	9 [°] 47	29 [°] 51	23 [°] 40	0 [°] 48	16 [°] 22	18 [°] 9	9 [°] 29	14 [°] 10	T 16
F 17	17 42 59	26 [°] 23'49	8 [♂] 54	2 [°] 2	18 [°] 14	17 [°] 59	18 [°] 25	9 [°] 50	29 [°] 54	23 [°] 41	0 [°] 49	16 [°] 21	18 [°] 6	9 [°] 35	14 [°] 15	F 17
S 18	17 46 56	27 [°] 21'08	21 [°] 16	1 [°] 30	19 [°] 24	18 [°] 28	18 [°] 18	9 [°] 54	29 [°] 56	23 [°] 41	0 [°] 51	16 [°] D20	18 [°] 2	9 [°] 42	14 [°] 20	S 18
S 19	17 50 52	28 [°] 18'26	3 [♂] 52	0 [°] 57	20 [°] 34	18 [°] 58	18 [°] 10	9 [°] 58	29 [°] 58	23 [°] 41	0 [°] 52	16 [°] 21	17 [°] 59	9 [°] 49	14 [°] 25	S 19
M20	17 54 49	29 [°] 15'44	16 [°] 45	0 [°] 23	21 [°] 43	19 [°] 27	18 [°] 3	10 [°] 2	0 [♂] 0	23 [°] 41	0 [°] 54	16 [°] 22	17 [°] 56	9 [°] 56	14 [°] 29	M20
T 21	17 58 46	0 [♂] 13'01	29 [°] 59	29 [°] II49	22 [°] 53	19 [°] 57	17 [°] 56	10 [°] 6	0 [°] 2	23 [°] 42	0 [°] 55	16 [°] R23	17 [°] 53	10 [°] 2	14 [°] 34	T 21
W22	18 2 42	1 [°] 10'18	13 [°] Y38	29 [°] 15	24 [°] 3	20 [°] 27	17 [°] 48	10 [°] 10	0 [°] 4	23 [°] 42	0 [°] 57	16 [°] 22	17 [°] 50	10 [°] 9	14 [°] 39	W22
T 23	18 6 39	2 [°] 7'35	27 [°] 42	28 [°] 42	25 [°] 13	20 [°] 58	17 [°] 41	10 [°] 14	0 [°] 6	23 [°] 42	0 [°] 58	16 [°] 20	17 [°] 46	10 [°] 16	14 [°] 43	T 23
F 24	18 10 35	3 [°] 4'52	12 [♂] 10	28 [°] 10	26 [°] 23	21 [°] 28	17 [°] 34	10 [°] 18	0 [°] 8	23 [°] 42	0 [°] 59	16 [°] 16	17 [°] 43	10 [°] 22	14 [°] 48	F 24
S 25	18 14 32	4 [°] 2'09	26 [°] 59	27 [°] 41	27 [°] 33	21 [°] 59	17 [°] 27	10 [°] 23	0 [°] 10	23 [°] 42	1 [°] 1	16 [°] 10	17 [°] 40	10 [°] 29	14 [°] 53	S 25
S 26	18 18 28	4 [°] 59'25	12 ^{II} 3	27 [°] 14	28 [°] 43	22 [°] 30	17 [°] 20	10 [°] 27	0 [°] 12	23 [°] R42	1 [°] 2	16 [°] 4	17 [°] 37	10 [°] 36	14 [°] 57	S 26
M27	18 22 25	5 [°] 56'42	27 [°] 12	26 [°] 50	29 [°] 54	23 [°] 1	17 [°] 13	10 [°] 32	0 [°] 14	23 [°] 42	1 [°] 4	15 [°] 59	17 [°] 34	10 [°] 42	15 [°] 2	M27
T 28	18 26 21	6 [°] 53'58	12 [♂] 17	26 [°] 29	1 ^{II} 4	23 [°] 32	17 [°] 6	10 [°] 36	0 [°] 16	23 [°] 42	1 [°] 6	15 [°] 54	17 [°] 31	10 [°] 49	15 [°] 7	T 28
W29	18 30 18	7 [°] 51'13	27 [°] 8	26 [°] 12	2 [°] 14	24 [°] 3	16 [°] 59	10 [°] 41	0 [°] 17	23 [°] 42	1 [°] 7	15 [°] 51	17 [°] 27	10 [°] 56	15 [°] 11	W29
T 30	18 34 15	8 [♂] 48'29	11 [♂] 38	25 ^{II} 59	3 ^{II} 25	24 [♂] 35	16 [♂] 52	10 [♂] 46	0 [♂] 19	23 [♂] 42	1 [♂] 9	15 [°] D50	17 [♂] 24	11 [♂] 3	15 ^{II} 16	T 30

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22n 5	19n40	2s27	24n37	1n14	9n25	2s 8	8n44	1n14	22s26	0n38	9n56	1n54	10n40	0s33	3s33	1s 4	22n37	2n39	15n32	15n 8	16s47	18n 2	4s20			
T 2	22 13	18 11	1 16	24 25	1 3	9 48	2 9	8 33	1 13	22 25	0 38	9 55	1 54	10 41	0 33	3 32	1 4	22 37	2 39	15 32	15 9	16 48	18 2	4 20			
F 3	22 20	15 38	0 2	24 12	0 50	10 11	2 9	8 21	1 11	22 25	0 38	9 54	1 54	10 42	0 33	3 32	1 4	22 36	2 39	15 33	15 10	16 49	18 3	4 20			
S 4	22 27	12 18	1n 9	23 59	0 37	10 33	2 10	8 10	1 10	22 24	0 38	9 53	1 54	10 43	0 33	3 32	1 4	22 36	2 39	15 33	15 11	16 51	18 3	4 20			
S 5	22 34	8 27	2 15	23 44	0 23	10 56	2 10	7 59	1 9	22 24	0 38	9 52	1 54	10 44	0 33	3 32	1 4	22 36	2 39	15 32	15 12	16 52	18 4	4 21			
M 6	22 40	4 20	3 12	23 30	0 9	11 19	2 10	7 47	1 7	22 24	0 38	9 51	1 54	10 45	0 33	3 32	1 4	22 36	2 39	15 33	15 13	16 53	18 4	4 21			
T 7	22 46	0 7	3 59	23 14	0s 6	11 41	2 11	7 35	1 6	22 23	0 38	9 50	1 54	10 46	0 33	3 31	1 4	22 35	2 39	15 33	15 14	16 55	18 5	4 21			
W 8	22 51	4s 1	4 33	22 58	0 22	12 3	2 11	7 23	1 4	22 23	0 38	9 49	1 53	10 47	0 33	3 31	1 4	22 35	2 39	15 35	15 15	16 56	18 5	4 21			
T 9	22 56	7 56	4 55	22 42	0 38	12 25	2 11	7 12	1 3	22 22	0 38	9 47	1 53	10 48	0 33	3 31	1 4	22 35	2 39	15 37	15 16	16 57	18 5	4 21			
F 10	23 1	11 30	5 4	22 26	0 55	12 47	2 11	7 0	1 2	22 22	0 38	9 46	1 53	10 48	0 33	3 31	1 4	22 35	2 39	15 40	15 17	16 59	18 6	4 21			
S 11	23 5	14 36	5 0	22 9	1 12	13 8	2 10	6 48	1 0	22 21	0 37	9 45	1 53	10 49	0 33	3 31	1 4	22 34	2 39	15 43	15 18	17 0	18 6	4 21			
S 12	23 9	17 6	4 43	21 52	1 29	13 30	2 10	6 35	0 59	22 21	0 37	9 44	1 53	10 50	0 33	3 30	1 5	22 34	2 39	15 46	15 19	17 1	18 7	4 21			
M13	23 12	18 53	4 13	21 36	1 46	13 51	2 10	6 23	0 58	22 20	0 37	9 42	1 53	10 51	0 33	3 30	1 5	22 34	2 39	15 49	15 20	17 2	18 7	4 21			
T 14	23 15	19 51	3 32	21 19	2 3	14 11	2 9	6 11	0 56	22 20	0 37	9 41	1 53	10 52	0 33	3 30	1 5	22 34	2 39	15 51	15 21	17 4	18 8	4 22			
W15	23 18	19 56	2 42	21 3	2 20	14 32	2 9	5 58	0 55	22 19	0 37	9 39	1 52	10 53	0 33	3 30	1 5	22 33	2 39	15 53	15 22	17 5	18 8	4 22			
T 16	23 20	19 6	1 44	20 47	2 37	14 52	2 8	5 46	0 54	22 19	0 37	9 38	1 52	10 53	0 33	3 30	1 5	22 33	2 39	15 55	15 22	17 6	18 9	4 22			
F 17	23 22	17 22	0 40	20 31	2 52	15 12	2 7	5 33	0 53	22 18	0 37	9 36	1 52	10 54	0 33	3 30	1 5	22 33	2 39	15 55	15 23	17 8	18 9	4 22			
S 18	23 23	14 49	0s27	20 17	3 8	15 32	2 6	5 21	0 51	22 18	0 36	9 35	1 52	10 55	0 33	3 30	1 5	22 32	2 39	15 55	15 24	17 9	18 9	4 22			
S 19	23 24	11 32	1 33	20 2	3 22	15 51	2 6	5 8	0 50	22 17	0 36	9 33	1 52	10 56	0 33	3 30	1 5	22 32	2 39	15 55	15 25	17 10	18 10	4 22			
M20	23 25	7 38	2 37	19 49	3 36	16 10	2 5	4 55	0 49	22 17	0 36	9 32	1 52	10 56	0 33	3 30	1 5	22 32	2 40	15 55	15 26	17 11	18 10	4 22			
T 21	23 25	3 16	3 34	19 37	3 48	16 29	2 3	4 42	0 48	22 16	0 36	9 30	1 52	10 57	0 33	3 30	1 5	22 32	2 40	15 55	15 27	17 13	18 10	4 23			
W22	23 24	1n22	4 20	19 25	3 59	16 47	2 2	4 29	0 46	22 16	0 36	9 28	1 52	10 58	0 33	3 30	1 5	22 31	2 40	15 55	15 28	17 14	18 11	4 23			
T 23	23 24	6 5	4 53	19 15	4 9	17 5	2 1	4 16	0 45	22 15	0 36	9 27	1 51	10 58	0 33	3 30	1 5	22 31	2 40	15 55	15 29	17 15	18 11	4 23			
F 24	23 23	10 34	5 8	19 6	4 18	17 40	2 0	4 3	0 44	22 15	0 36	9 25	1 51	10 59	0 33	3 30	1 5	22 31	2 40	15 57	15 30	17 17	18 11	4 23			
S 25	23 21	14 32	5 4	18 59	4 25	17 40	1 58	3 50	0 43	22 14	0 35	9 23	1 51	11 0	0 33	3 30	1 5	22 30	2 40	15 58	15 31	17 18	18 12	4 23			
S 26	23 19	17 37	4 38	18 53	4 30	17 57	1 57	3 37	0 42	22 14	0 35	9 21	1 51	11 0	0 33	3 30	1 5	22 30	2 40	16 0	15 32	17 19	18 12	4 23			
M27	23 17	19 30	3 53	18 48	4 35	18 13	1 55	3 23	0 41	22 13	0 35	9 19	1 51	11 1	0 33	3 30	1 5	22 30	2 40	16 2	15 33	17 20	18 12	4 24			
T 28	23 14	19 59	2 52	18 45	4 37	18 30	1 54	3 10	0 39	22 13	0 35	9 18	1 51	11 2	0 33	3 30	1 5	22 29	2 40	16 3	15 34	17 22	18 13	4 24			
W29	23 11	19 4	1 40	18 43	4 38	18 45	1 52	2 57	0 38	22 12	0 35	9 16	1 51	11 2	0 34	3 30	1 5	22 29	2 40	16 4	15 35	17 23	18 13	4 24			
T 30	23n 7	16n55	0s23	18n43	4s38	19n 0	1s50	2n43	0n37	22s12	0n35	9n14	1n51	11n 3	0s34	3s30	1s 5	22n29	2n40	16n 4	15n36	17s24	18n13	4s24			

ASTRODIENST EPHEMERIS for the year 2185

geocentric

JULY 2185

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 38 11	9♂45'43	25♂42	25°R51	4♂35	25♂7	16°R46	10♂51	0♂21	23°R42	1♂10	15♂50	17♂21	11♂9	15♂20	F 1
S 2	18 42 8	10°42'58	9♂19	25°D47	5°46	25°39	16♂39	10°55	0°22	23♂41	1°12	15°51	17°18	11°16	15°25	S 2
S 3	18 46 4	11°40'12	22°30	25♂48	6°56	26°11	16°33	11° 0	0°24	23°41	1°13	15°53	17°15	11°23	15°29	S 3
M 4	18 50 1	12°37'25	5♂17	25°53	8° 7	26°43	16°27	11° 5	0°26	23°41	1°15	15°54	17°12	11°29	15°34	M 4
T 5	18 53 57	13°34'38	17°45	26° 3	9°17	27°15	16°21	11°11	0°27	23°41	1°16	15°R54	17° 8	11°36	15°38	T 5
W 6	18 57 54	14°31'51	29°58	26°19	10°28	27°47	16°15	11°16	0°29	23°40	1°18	15°53	17° 5	11°43	15°43	W 6
T 7	19 1 50	15°29'03	11♂59	26°39	11°39	28°20	16° 9	11°21	0°30	23°40	1°20	15°50	17° 2	11°50	15°47	T 7
F 8	19 5 47	16°26'15	23°54	27° 4	12°50	28°53	16° 3	11°26	0°31	23°40	1°21	15°47	16°59	11°56	15°52	F 8
S 9	19 9 44	17°23'27	5♂46	27°35	14° 1	29°26	15°58	11°32	0°33	23°39	1°23	15°42	16°56	12° 3	15°56	S 9
S 10	19 13 40	18°20'39	17°38	28°10	15°12	29°59	15°52	11°37	0°34	23°39	1°24	15°38	16°52	12°10	16° 0	S 10
M 11	19 17 37	19°17'51	29°33	28°50	16°23	0♂32	15°47	11°43	0°35	23°38	1°26	15°33	16°49	12°16	16° 4	M 11
T 12	19 21 33	20°15'03	11♂33	29°35	17°34	1° 5	15°42	11°48	0°36	23°38	1°28	15°29	16°46	12°23	16° 9	T 12
W 13	19 25 30	21°12'15	23°40	0♂25	18°45	1°38	15°36	11°54	0°38	23°37	1°29	15°27	16°43	12°30	16°13	W 13
T 14	19 29 26	22° 9'27	5♂55	1°20	19°56	2°12	15°32	12° 0	0°39	23°37	1°31	15°25	16°40	12°37	16°17	T 14
F 15	19 33 23	23° 6'39	18°19	2°19	21° 7	2°46	15°27	12° 5	0°40	23°36	1°33	15°D25	16°37	12°43	16°21	F 15
S 16	19 37 19	24° 3'52	0♂56	3°23	22°18	3°19	15°22	12°11	0°41	23°36	1°34	15°26	16°33	12°50	16°25	S 16
S 17	19 41 16	25° 1'05	13°45	4°32	23°30	3°53	15°18	12°17	0°42	23°35	1°36	15°27	16°30	12°57	16°29	S 17
M 18	19 45 13	25°58'18	26°50	5°45	24°41	4°27	15°13	12°23	0°43	23°34	1°38	15°28	16°27	13° 3	16°34	M 18
T 19	19 49 9	26°55'32	10°V11	7° 2	25°53	5° 2	15° 9	12°29	0°44	23°33	1°39	15°29	16°24	13°10	16°38	T 19
W 20	19 53 6	27°52'47	23°50	8°24	27° 4	5°36	15° 5	12°35	0°44	23°33	1°41	15°R30	16°21	13°17	16°42	W 20
T 21	19 57 2	28°50'03	7♂48	9°50	28°16	6°10	15° 2	12°41	0°45	23°32	1°42	15°30	16°18	13°24	16°46	T 21
F 22	20 0 59	29°47'19	22° 3	11°21	29°27	6°45	14°58	12°47	0°46	23°31	1°44	15°29	16°14	13°30	16°49	F 22
S 23	20 4 55	0♂44'36	6♂35	12°55	0♂39	7°20	14°54	12°53	0°46	23°30	1°46	15°28	16°11	13°37	16°53	S 23
S 24	20 8 52	1°41'54	21°17	14°34	1°51	7°54	14°51	13° 0	0°47	23°30	1°47	15°26	16° 8	13°44	16°57	S 24
M 25	20 12 48	2°39'12	6♂5	16°16	3° 2	8°29	14°48	13° 6	0°48	23°29	1°49	15°24	16° 5	13°50	17° 1	M 25
T 26	20 16 45	3°36'32	20°50	18° 1	4°14	9° 4	14°45	13°12	0°48	23°28	1°51	15°23	16° 2	13°57	17° 5	T 26
W 27	20 20 42	4°33'52	5♂27	19°50	5°26	9°40	14°42	13°19	0°49	23°27	1°52	15°23	15°58	14° 4	17° 8	W 27
T 28	20 24 38	5°31'12	19°48	21°42	6°38	10°15	14°40	13°25	0°49	23°26	1°54	15°D23	15°55	14°10	17°12	T 28
F 29	20 28 35	6°28'33	3♂49	23°37	7°50	10°50	14°37	13°32	0°50	23°25	1°56	15°23	15°52	14°17	17°16	F 29
S 30	20 32 31	7°25'54	17°27	25°34	9° 2	11°26	14°35	13°38	0°50	23°24	1°57	15°24	15°49	14°24	17°19	S 30
S 31	20 36 28	8♂23'16	0♂40	27♂34	10♂14	12♂2	14♂33	13♂45	0♂50	23♂23	1♂59	15♂24	15♂46	14♂31	17♂23	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23n 3	13n47	0n54	18n44	4s37	19n15	1s49	2n29	0n36	22s11	0n34	9n12	1n51	11n 3	0s34	F 1
S 2	22 59	10 0	2 5	18 47	4 34	19 29	1 47	2 16	0 35	22 11	0 34	9 10	1 50	11 4	0 34	S 2
S 3	22 54	5 50	3 7	18 51	4 30	19 43	1 45	2 2	0 34	22 10	0 34	9 8	1 50	11 5	0 34	S 3
M 4	22 49	1 32	3 58	18 56	4 25	19 57	1 43	1 48	0 33	22 10	0 34	9 6	1 50	11 5	0 34	M 4
T 5	22 43	2s42	4 36	19 3	4 18	20 9	1 41	1 35	0 32	22 9	0 34	9 4	1 50	11 6	0 34	T 5
W 6	22 37	6 45	5 1	19 11	4 11	20 22	1 39	1 21	0 31	22 9	0 34	9 2	1 50	11 6	0 34	W 6
T 7	22 31	10 28	5 12	19 20	4 3	20 34	1 37	1 7	0 29	22 8	0 33	9 0	1 50	11 7	0 34	T 7
F 8	22 24	13 44	5 9	19 29	3 54	20 45	1 35	0 53	0 28	22 8	0 33	8 58	1 50	11 7	0 34	F 8
S 9	22 17	16 25	4 54	19 40	3 44	20 56	1 32	0 39	0 27	22 8	0 33	8 55	1 50	11 7	0 34	S 9
S 10	22 10	18 26	4 25	19 51	3 33	21 6	1 30	0 25	0 26	22 7	0 33	8 53	1 50	11 8	0 34	S 10
M 11	22 2	19 39	3 46	20 2	3 22	21 16	1 28	0 11	0 25	22 7	0 33	8 51	1 50	11 8	0 34	M 11
T 12	21 53	20 0	2 55	20 14	3 10	21 25	1 25	0s 4	0 24	22 6	0 32	8 49	1 50	11 9	0 34	T 12
W 13	21 45	19 26	1 57	20 27	2 58	21 34	1 23	0 18	0 23	22 6	0 32	8 47	1 49	11 9	0 34	W 13
T 14	21 36	17 56	0 52	20 39	2 45	21 42	1 20	0 32	0 22	22 6	0 32	8 44	1 49	11 9	0 34	T 14
F 15	21 26	15 34	0s16	20 51	2 32	21 49	1 18	0 46	0 21	22 5	0 32	8 42	1 49	11 10	0 34	F 15
S 16	21 16	12 27	1 24	21 3	2 19	21 56	1 15	1 1	0 20	22 5	0 32	8 40	1 49	11 10	0 34	S 16
S 17	21 6	8 41	2 30	21 15	2 6	22 2	1 13	1 15	0 19	22 5	0 32	8 38	1 49	11 10	0 34	S 17
M 18	20 56	4 27	3 29	21 25	1 52	22 8	1 10	1 30	0 18	22 5	0 31	8 35	1 49	11 11	0 34	M 18
T 19	20 45	0n 4	4 18	21 35	1 38	22 13	1 8	1 44	0 17	22 4	0 31	8 33	1 49	11 11	0 34	T 19
W 20	20 34	4 41	4 54	21 45	1 24	22 18	1 5	1 58	0 16	22 4	0 31	8 30	1 49	11 11	0 34	W 20
T 21	20 22	9 9	5 13	21 52	1 11	22 22	1 2	2 13	0 15	22 4	0 31	8 28	1 49	11 12	0 34	T 21
F 22	20 10	13 12	5 14	21 59	0 57	22 25	1 0	2 27	0 14	22 4	0 31	8 26	1 49	11 12	0 34	F 22
S 23	19 58	16 32	4 55	22 4	0 44	22 28	0 57	2 42	0 13	22 3	0 30	8 23	1 49	11 12	0 34	S 23
S 24	19 46	18 52	4 16	22 7	0 30	22 30	0 54	2 57	0 12	22 3	0 30	8 21	1 49	11 12	0 34	S 24
M 25	19 33	19 56	3 21	22 8	0 17	22 31	0 51	3 11	0 11	22 3	0 30	8 18	1 49	11 12	0 34	M 25
T 26	19 20	19 38	2 12	22 7	0 5	22 32	0 49	3 26	0 11	22 3	0 30	8 16	1 48	11 13	0 34	T 26
W 27	19 6	18 0	0 55	22 4	0n 7	22 32	0 46	3 41	0 10	22 3	0 30	8 13	1 48	11 13	0 34	W 27
T 28	18 52	15 15	0n25	21 59	0 19	22 32	0 43	3 55	0 9	22 3	0 29	8 11	1 48	11 13	0 34	T 28
F 29	18 38	11 39	1 40	21 51	0 30	22 31	0 40	4 10	0 8	22 3	0 29	8 8	1 48	11 13	0 34	F 29
S 30	18 24	7 33	2 49	21 40	0 40	22 29	0 37	4 25	0 7	22 3	0 29	8 6	1 48	11 13	0 34	S 30
S 31	18n 9	3n11	3n46	21n27	0n50	22n27	0s35	4s39	0n 6	22s 3	0n29	8n 3	1n48	11n13	0s34	S 31

Julian Day Number = 2519296.5, Delta T = 149.48 sec
 Ecliptic obliquity = 23°24'47, Nutation = - 0°00'11, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°19'57, Lahiri = 26°26'57

ASTRODIENST EPHEMERIS for the year 2185

geocentric

AUGUST 2185

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 40 24	9♂20'39	13♂31	29♂35	11♂26	12♂37	14°R31	13♂52	0♂50	23°R22	2♂1	15♂25	15♂43	14♂37	17♂26	M 1
T 2	20 44 21	10°18'02	26° 2	1♂38	12°38	13°13	14♂29	13°58	0°51	23♂21	2° 2	15°25	15°39	14°44	17°30	T 2
W 3	20 48 17	11°15'25	8♂17	3°41	13°50	13°49	14°28	14° 5	0°51	23°20	2° 4	15°R25	15°36	14°51	17°33	W 3
T 4	20 52 14	12°12'49	20°20	5°46	15° 3	14°25	14°27	14°12	0°51	23°18	2° 6	15°25	15°33	14°57	17°36	T 4
F 5	20 56 11	13°10'14	2♂15	7°51	16°15	15° 1	14°25	14°19	0°R51	23°17	2° 7	15°25	15°30	15° 4	17°40	F 5
S 6	21 0 7	14° 7'39	14° 7	9°57	17°27	15°38	14°25	14°25	0°51	23°16	2° 9	15°25	15°27	15°11	17°43	S 6
S 7	21 4 4	15° 5'05	26° 0	12° 2	18°40	16°14	14°24	14°32	0°51	23°15	2°10	15°D25	15°24	15°18	17°46	S 7
M 8	21 8 0	16° 2'32	7♂58	14° 7	19°52	16°51	14°23	14°39	0°51	23°14	2°12	15°25	15°20	15°24	17°49	M 8
T 9	21 11 57	17° 0'00	20° 5	16°12	21° 5	17°27	14°23	14°46	0°50	23°13	2°14	15°25	15°17	15°31	17°52	T 9
W10	21 15 53	17°57'28	2♂21	18°15	22°17	18° 4	14°23	14°53	0°50	23°11	2°15	15°25	15°14	15°38	17°56	W10
T 11	21 19 50	18°54'58	14°50	20°18	23°30	18°41	14°D23	15° 0	0°50	23°10	2°17	15°R25	15°11	15°44	17°58	T 11
F 12	21 23 46	19°52'28	27°33	22°20	24°42	19°18	14°23	15° 7	0°50	23° 9	2°19	15°25	15° 8	15°51	18° 1	F 12
S 13	21 27 43	20°49'59	10♂30	24°20	25°55	19°55	14°23	15°14	0°49	23° 7	2°20	15°25	15° 4	15°58	18° 4	S 13
S 14	21 31 40	21°47'32	23°41	26°20	27° 8	20°32	14°24	15°21	0°49	23° 6	2°22	15°24	15° 1	16° 4	18° 7	S 14
M15	21 35 36	22°45'06	7♂6	28°18	28°20	21° 9	14°24	15°28	0°48	23° 5	2°23	15°23	14°58	16°11	18°10	M15
T 16	21 39 33	23°42'41	20°44	0♂15	29°33	21°46	14°25	15°36	0°48	23° 3	2°25	15°23	14°55	16°18	18°13	T 16
W17	21 43 29	24°40'18	4♂34	2°10	0♂46	22°24	14°26	15°43	0°47	23° 2	2°26	15°22	14°52	16°25	18°15	W17
T 18	21 47 26	25°37'56	18°34	4° 4	1°59	23° 1	14°27	15°50	0°47	23° 0	2°28	15°21	14°49	16°31	18°18	T 18
F 19	21 51 22	26°35'36	2♂44	5°57	3°12	23°39	14°29	15°57	0°46	22°59	2°29	15°D21	14°45	16°38	18°20	F 19
S 20	21 55 19	27°33'18	17° 0	7°48	4°25	24°17	14°31	16° 5	0°46	22°58	2°31	15°22	14°42	16°45	18°23	S 20
S 21	21 59 15	28°31'01	1♂21	9°37	5°38	24°54	14°32	16°12	0°45	22°56	2°33	15°23	14°39	16°51	18°25	S 21
M22	22 3 12	29°28'46	15°43	11°26	6°51	25°32	14°34	16°19	0°44	22°55	2°34	15°24	14°36	16°58	18°28	M22
T 23	22 7 9	0♂26'32	0♂3	13°13	8° 4	26°10	14°36	16°27	0°43	22°53	2°36	15°25	14°33	17° 5	18°30	T 23
W24	22 11 5	1°24'20	14°15	14°58	9°18	26°48	14°39	16°34	0°42	22°52	2°37	15°R25	14°30	17°11	18°32	W24
T 25	22 15 2	2°22'09	28°16	16°42	10°31	27°27	14°41	16°41	0°41	22°50	2°38	15°25	14°26	17°18	18°35	T 25
F 26	22 18 58	3°19'59	12♂2	18°25	11°44	28° 5	14°44	16°49	0°40	22°49	2°40	15°23	14°23	17°25	18°37	F 26
S 27	22 22 55	4°17'51	25°31	20° 6	12°57	28°43	14°47	16°56	0°39	22°47	2°41	15°21	14°20	17°32	18°39	S 27
S 28	22 26 51	5°15'44	8♂40	21°46	14°11	29°22	14°50	17° 4	0°38	22°46	2°43	15°19	14°17	17°38	18°41	S 28
M29	22 30 48	6°13'39	21°29	23°24	15°24	0♂0	14°53	17°11	0°37	22°44	2°44	15°15	14°14	17°45	18°43	M29
T 30	22 34 44	7°11'35	4♂1	25° 2	16°38	0°39	14°57	17°18	0°36	22°42	2°46	15°12	14°10	17°52	18°44	T 30
W31	22 38 41	8♂9'32	16♂16	26♂38	17♂51	1♂18	15♂0	17♂26	0♂35	22♂41	2♂47	15♂10	14♂7	17♂58	18♂46	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	17n54	1s11	4n29	21n11	0n59	22n24	0s32	4s54	0n 5	22s 3	0n29	8n 0	1n48	11n13	0s34	M 1
T 2	17 38	5 24	4 59	20 52	1 7	22 20	0 29	5 9	0 4	22 3	0 28	7 58	1 48	11 13	0 34	T 2
W 3	17 23	9 17	5 15	20 31	1 15	22 16	0 26	5 24	0 3	22 3	0 28	7 55	1 48	11 13	0 34	W 3
T 4	17 7	12 44	5 16	20 8	1 22	22 11	0 23	5 38	0 2	22 3	0 28	7 52	1 48	11 13	0 34	T 4
F 5	16 51	15 38	5 4	19 42	1 27	22 5	0 20	5 53	0 2	22 3	0 28	7 50	1 48	11 13	0 34	F 5
S 6	16 34	17 52	4 38	19 13	1 32	21 59	0 18	6 8	0 1	22 3	0 28	7 47	1 48	11 13	0 34	S 6
S 7	16 18	19 20	4 1	18 43	1 37	21 52	0 15	6 23	0s 0	22 3	0 27	7 44	1 48	11 13	0 34	S 7
M 8	16 1	19 58	3 13	18 10	1 40	21 45	0 12	6 38	0 1	22 3	0 27	7 42	1 48	11 13	0 34	M 8
T 9	15 43	19 40	2 16	17 36	1 43	21 37	0 9	6 52	0 2	22 3	0 27	7 39	1 48	11 13	0 34	T 9
W10	15 26	18 27	1 12	17 0	1 44	21 28	0 6	7 7	0 3	22 3	0 27	7 36	1 48	11 13	0 34	W10
T 11	15 8	16 19	0 3	16 22	1 45	21 19	0 3	7 22	0 3	22 3	0 27	7 34	1 48	11 13	0 34	T 11
F 12	14 50	13 21	1s 7	15 43	1 46	21 9	0 1	7 37	0 4	22 4	0 26	7 31	1 48	11 13	0 34	F 12
S 13	14 32	9 42	2 15	15 3	1 45	20 58	0n 2	7 51	0 5	22 4	0 26	7 28	1 48	11 13	0 34	S 13
S 14	14 14	5 31	3 17	14 22	1 44	20 47	0 5	8 6	0 6	22 4	0 26	7 25	1 48	11 12	0 35	S 14
M15	13 55	1 0	4 9	13 40	1 43	20 36	0 8	8 21	0 7	22 4	0 26	7 23	1 48	11 12	0 35	M15
T 16	13 36	3n38	4 48	12 57	1 41	20 23	0 10	8 36	0 8	22 5	0 26	7 20	1 48	11 12	0 35	T 16
W17	13 17	8 8	5 11	12 13	1 38	20 10	0 13	8 50	0 8	22 5	0 26	7 17	1 48	11 12	0 35	W17
T 18	12 58	12 16	5 16	11 29	1 35	19 57	0 16	9 5	0 9	22 5	0 25	7 14	1 48	11 12	0 35	T 18
F 19	12 38	15 44	5 2	10 44	1 31	19 43	0 18	9 19	0 10	22 6	0 25	7 11	1 48	11 11	0 35	F 19
S 20	12 19	18 18	4 30	9 59	1 27	19 28	0 21	9 34	0 11	22 6	0 25	7 8	1 48	11 11	0 35	S 20
S 21	11 59	19 44	3 40	9 14	1 23	19 13	0 23	9 49	0 11	22 7	0 25	7 6	1 48	11 11	0 35	S 21
M22	11 39	19 53	2 37	8 28	1 18	18 57	0 26	10 3	0 12	22 7	0 25	7 3	1 48	11 10	0 35	M22
T 23	11 18	18 45	1 24	7 42	1 12	18 41	0 28	10 18	0 13	22 7	0 24	7 0	1 48	11 10	0 35	T 23
W24	10 58	16 26	0 6	6 57	1 7	18 24	0 31	10 32	0 14	22 8	0 24	6 57	1 48	11 10	0 35	W24
T 25	10 37	13 10	1n10	6 11	1 1	18 7	0 33	10 47	0 15	22 8	0 24	6 54	1 48	11 10	0 35	T 25
F 26	10 16	9 13	2 22	5 25	0 55	17 49	0 36	11 1	0 15	22 9	0 24	6 51	1 48	11 9	0 35	F 26
S 27	9 55	4 54	3 23	4 39	0 48	17 31	0 38	11 15	0 16	22 9	0 24	6 48	1 48	11 9	0 35	S 27
S 28	9 34	0 27	4 13	3 54	0 41	17 12	0 40	11 30	0 17	22 10	0 23	6 46	1 48	11 8	0 35	S 28
M29	9 13	3s55	4 48	3 8	0 34	16 53	0 43	11 44	0 18	22 10	0 23	6 43	1 48	11 8	0 35	M29
T 30	8 52	8 0	5 9	2 23	0 27	16 33	0 45	11 58	0 18	22 11	0 23	6 40	1 48	11 8	0 35	T 30
W31	8n30	11s40	5n14	1n38	0n20	16n13	0n47	12s13	0s19	22s11	0n23	6n37	1n48	11n 7	0s35	W31

Julian Day Number = 2519327.5, Delta T = 149.56 sec
 Ecliptic obliquity = 23°24'48, Nutation = - 0°00'11, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°20'01, Lahiri = 26°27'02

ASTRODIENST EPHEMERIS for the year 2185

geocentric

SEPTEMBER 2185

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 42 37	9 ^h 7'31	28 ^m 20	28 ^m 12	19 ^h 05	1 ^m 57	15 ^s 4	17 ^m 33	0°R34	22°R39	2 ^h 48	15°R 8	14 ^h 4	18 ^s 5	18 ^h 48	T 1
F 2	22 46 34	10° 5'31	10 ^s 15	29°46	20°18	2°36	15° 8	17°41	0°32	22°38	2°50	15°D 8	14° 1	18°12	18°50	F 2
S 3	22 50 31	11° 3'32	22° 7	1 ^h 18	21°32	3°15	15°12	17°48	0°31	22°36	2°51	15°R 8	13°58	18°18	18°51	S 3
S 4	22 54 27	12° 1'35	4 ^h 0	2°48	22°46	3°54	15°16	17°56	0°30	22°34	2°53	15°10	13°55	18°25	18°53	S 4
M 5	22 58 24	12°59'39	16° 0	4°18	23°59	4°33	15°21	18° 3	0°28	22°33	2°54	15°12	13°51	18°32	18°54	M 5
T 6	23 2 20	13°57'44	28°10	5°46	25°13	5°12	15°25	18°11	0°27	22°31	2°55	15°13	13°48	18°39	18°56	T 6
W 7	23 6 17	14°55'51	10 ^s 35	7°13	26°27	5°52	15°30	18°18	0°26	22°30	2°57	15°R14	13°45	18°45	18°57	W 7
T 8	23 10 13	15°53'59	23°16	8°38	27°41	6°31	15°35	18°26	0°24	22°28	2°58	15°14	13°42	18°52	18°58	T 8
F 9	23 14 10	16°52'09	6 ^h 17	10° 2	28°55	7°11	15°40	18°34	0°22	22°26	2°59	15°12	13°39	18°59	19° 0	F 9
S 10	23 18 6	17°50'21	19°36	11°25	0 ^h 8	7°51	15°45	18°41	0°21	22°25	3° 0	15° 9	13°35	19° 5	19° 1	S 10
S 11	23 22 3	18°48'34	3 ^h 12	12°46	1°22	8°30	15°51	18°49	0°19	22°23	3° 2	15° 5	13°32	19°12	19° 2	S 11
M12	23 26 0	19°46'50	17° 4	14° 6	2°36	9°10	15°56	18°56	0°18	22°21	3° 3	14°59	13°29	19°19	19° 3	M12
T 13	23 29 56	20°45'07	1 ^h 8	15°24	3°50	9°50	16° 2	19° 4	0°16	22°20	3° 4	14°54	13°26	19°25	19° 4	T 13
W14	23 33 53	21°43'26	15°18	16°41	5° 4	10°30	16° 8	19°11	0°14	22°18	3° 5	14°49	13°23	19°32	19° 5	W14
T 15	23 37 49	22°41'47	29°33	17°56	6°19	11°10	16°14	19°19	0°12	22°16	3° 6	14°46	13°20	19°39	19° 5	T 15
F 16	23 41 46	23°40'10	13 ^h 47	19°10	7°33	11°50	16°20	19°26	0°11	22°15	3° 8	14°44	13°16	19°46	19° 6	F 16
S 17	23 45 42	24°38'36	27°58	20°21	8°47	12°31	16°26	19°34	0° 9	22°13	3° 9	14°D43	13°13	19°52	19° 7	S 17
S 18	23 49 39	25°37'04	12 ^h 5	21°31	10° 1	13°11	16°33	19°41	0° 7	22°11	3°10	14°44	13°10	19°59	19° 7	S 18
M19	23 53 35	26°35'34	26° 6	22°39	11°15	13°51	16°39	19°49	0° 5	22°10	3°11	14°45	13° 7	20° 6	19° 8	M19
T 20	23 57 32	27°34'06	10 ^h 0	23°45	12°30	14°32	16°46	19°56	0° 3	22° 8	3°12	14°R46	13° 4	20°12	19° 8	T 20
W21	0 1 29	28°32'40	23°45	24°49	13°44	15°12	16°53	20° 4	0° 1	22° 6	3°13	14°46	13° 1	20°19	19° 9	W21
T 22	0 5 25	29°31'16	7 ^h 21	25°50	14°58	15°53	17° 0	20°11	29°59	22° 5	3°14	14°44	12°57	20°26	19° 9	T 22
F 23	0 9 22	0 ^h 29'54	20°45	26°49	16°13	16°34	17° 7	20°19	29°57	22° 3	3°15	14°40	12°54	20°32	19° 9	F 23
S 24	0 13 18	1°28'35	3 ^h 56	27°46	17°27	17°15	17°15	20°26	29°55	22° 2	3°16	14°33	12°51	20°39	19° 9	S 24
S 25	0 17 15	2°27'17	16°53	28°39	18°41	17°56	17°22	20°34	29°53	22° 0	3°17	14°25	12°48	20°46	19°R 9	S 25
M26	0 21 11	3°26'01	29°34	29°29	19°56	18°37	17°30	20°41	29°51	21°58	3°18	14°16	12°45	20°52	19° 9	M26
T 27	0 25 8	4°24'46	12 ^h 1	0 ^h 16	21°10	19°18	17°38	20°49	29°49	21°57	3°19	14° 7	12°41	20°59	19° 9	T 27
W28	0 29 4	5°23'34	24°13	1° 0	22°25	19°59	17°46	20°56	29°47	21°55	3°20	13°59	12°38	21° 6	19° 9	W28
T 29	0 33 1	6°22'24	6 ^h 15	1°39	23°40	20°40	17°54	21° 3	29°44	21°53	3°21	13°53	12°35	21°13	19° 9	T 29
F 30	0 36 57	7 ^h 21'15	18 ^s 9	2 ^h 14	24 ^m 54	21 ^m 22	18 ^s 2	21 ^m 11	29°42	21°52	3 ^h 22	13 ^h 49	12 ^h 32	21 ^s 19	19 ^h 8	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	8n 8	14s47	5n 6	0n54	0n12	15n52	0n49	12s27	0s20	22s12	0n23	6n34	1n48	11n 7	0s35	T 1
F 2	7 47	17 16	4 45	0 10	0 4	15 31	0 51	12 41	0 20	22 13	0 23	6 31	1 48	11 6	0 35	F 2
S 3	7 25	19 0	4 11	0s34	0s 3	15 9	0 53	12 55	0 21	22 13	0 22	6 28	1 48	11 6	0 35	S 3
S 4	7 3	19 54	3 27	1 17	0 11	14 47	0 55	13 9	0 22	22 14	0 22	6 25	1 48	11 5	0 35	S 4
M 5	6 40	19 55	2 34	2 0	0 19	14 25	0 57	13 23	0 23	22 15	0 22	6 22	1 48	11 5	0 35	M 5
T 6	6 18	19 0	1 32	2 43	0 28	14 2	0 59	13 37	0 23	22 15	0 22	6 19	1 48	11 4	0 35	T 6
W 7	5 56	17 9	0 26	3 25	0 36	13 38	1 1	13 50	0 24	22 16	0 22	6 17	1 48	11 4	0 35	W 7
T 8	5 33	14 26	0s44	4 6	0 44	13 15	1 3	14 4	0 25	22 17	0 22	6 14	1 48	11 3	0 35	T 8
F 9	5 11	10 57	1 53	4 47	0 53	12 51	1 4	14 18	0 25	22 17	0 21	6 11	1 48	11 3	0 35	F 9
S 10	4 48	6 49	2 57	5 27	1 1	12 26	1 6	14 31	0 26	22 18	0 21	6 8	1 48	11 2	0 35	S 10
S 11	4 25	2 17	3 52	6 6	1 9	12 2	1 8	14 45	0 27	22 19	0 21	6 5	1 48	11 2	0 35	S 11
M12	4 3	2n28	4 35	6 45	1 18	11 37	1 9	14 58	0 27	22 20	0 21	6 2	1 48	11 1	0 35	M12
T 13	3 40	7 8	5 2	7 23	1 26	11 11	1 11	15 11	0 28	22 20	0 21	5 59	1 48	11 0	0 35	T 13
W14	3 17	11 27	5 11	8 0	1 34	10 46	1 12	15 25	0 29	22 21	0 21	5 56	1 48	11 0	0 35	W14
T 15	2 54	15 8	5 0	8 37	1 43	10 20	1 13	15 38	0 29	22 22	0 20	5 53	1 48	10 59	0 35	T 15
F 16	2 31	17 56	4 32	9 12	1 51	9 53	1 15	15 51	0 30	22 23	0 20	5 50	1 49	10 58	0 35	F 16
S 17	2 8	19 37	3 47	9 47	1 59	9 27	1 16	16 4	0 31	22 24	0 20	5 48	1 49	10 58	0 35	S 17
S 18	1 44	20 5	2 48	10 21	2 7	9 0	1 17	16 16	0 31	22 24	0 20	5 45	1 49	10 57	0 35	S 18
M19	1 21	19 17	1 40	10 54	2 15	8 33	1 18	16 29	0 32	22 25	0 20	5 42	1 49	10 56	0 35	M19
T 20	0 58	17 18	0 26	11 25	2 23	8 5	1 19	16 42	0 32	22 26	0 20	5 39	1 49	10 56	0 35	T 20
W21	0 35	14 21	0n48	11 56	2 30	7 38	1 20	16 54	0 33	22 27	0 19	5 36	1 49	10 55	0 35	W21
T 22	0 11	10 39	1 59	12 25	2 38	7 10	1 21	17 7	0 34	22 28	0 19	5 33	1 49	10 54	0 35	T 22
F 23	0s12	6 27	3 2	12 54	2 45	6 42	1 22	17 19	0 34	22 28	0 19	5 30	1 49	10 54	0 35	F 23
S 24	0 35	2 1	3 54	13 20	2 52	6 14	1 23	17 31	0 35	22 29	0 19	5 27	1 49	10 53	0 35	S 24
S 25	0 59	2s26	4 32	13 46	2 59	5 45	1 24	17 43	0 36	22 30	0 19	5 25	1 49	10 52	0 35	S 25
M26	1 22	6 41	4 57	14 10	3 5	5 17	1 24	17 55	0 36	22 31	0 19	5 22	1 49	10 51	0 35	M26
T 27	1 45	10 33	5 6	14 32	3 11	4 48	1 25	18 7	0 37	22 32	0 18	5 19	1 49	10 51	0 35	T 27
W28	2 8	13 56	5 2	14 52	3 16	4 19	1 26	18 19	0 37	22 33	0 18	5 16	1 49	10 50	0 35	W28
T 29	2 32	16 40	4 44	15 11	3 21	3 50	1 26	18 31	0 38	22 34	0 18	5 13	1 50	10 49	0 35	T 29
F 30	2s55	18s40	4n14	15s27	3s26	3n21	1n26	18s42	0s38	22s35	0n18	5n10	1n50	10n48	0s35	F 30

Julian Day Number = 2519358.5, Delta T = 149.63 sec

Ecliptic obliquity = 23°24'48, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°20'06, Lahiri = 26°27'06

ASTRODIENST EPHEMERIS for the year 2185

geocentric

OCTOBER 2185

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 40 54	8♂20'08	29♂59	2♂45	26♂9	22♂3	18♂10	21♂18	29♂40	21♂50	3♂22	13♂46	12♂29	21♂26	19♂8	S 1
S 2	0 44 51	9°19'03	11♂51	3°10	27°23	22°45	18°18	21°25	29♂38	21♂49	3°23	13°D46	12°26	21°33	19♂8	S 2
M 3	0 48 47	10°17'59	23°49	3°31	28°38	23°26	18°27	21°33	29°36	21°47	3°24	13♂47	12°22	21°39	19°7	M 3
T 4	0 52 44	11°16'57	5♂59	3°45	29°53	24°8	18°36	21°40	29°33	21°46	3°25	13°48	12°19	21°46	19°7	T 4
W 5	0 56 40	12°15'57	18°26	3°53	1♂7	24°50	18°44	21°47	29°31	21°44	3°26	13°R48	12°16	21°53	19°6	W 5
T 6	1 0 37	13°14'59	1♂14	3°R55	2°22	25°32	18°53	21°54	29°29	21°43	3°26	13°46	12°13	21°59	19°5	T 6
F 7	1 4 33	14°14'03	14°25	3°49	3°37	26°13	19°2	22°1	29°26	21°41	3°27	13°43	12°10	22°6	19°4	F 7
S 8	1 8 30	15°13'08	28°1	3°36	4°52	26°55	19°11	22°9	29°24	21°40	3°28	13°36	12°6	22°13	19°4	S 8
S 9	1 12 26	16°12'15	12♂0	3°15	6°7	27°38	19°21	22°16	29°22	21°38	3°28	13°28	12°3	22°19	19°3	S 9
M10	1 16 23	17°11'25	26°19	2°46	7°21	28°20	19°30	22°23	29°19	21°37	3°29	13°18	12°0	22°26	19°2	M10
T 11	1 20 20	18°10'36	10♂51	2°9	8°36	29°2	19°40	22°30	29°17	21°35	3°30	13°8	11°57	22°33	19°0	T 11
W12	1 24 16	19°9'50	25°29	1°24	9°51	29°44	19°49	22°37	29°14	21°34	3°30	12°58	11°54	22°40	18°59	W12
T 13	1 28 13	20°9'06	10♂6	0°32	11°6	0♂26	19°59	22°44	29°12	21°32	3°31	12°51	11°51	22°46	18°58	T 13
F 14	1 32 9	21°8'24	24°35	29♂33	12°21	1°9	20°9	22°51	29°10	21°31	3°31	12°46	11°47	22°53	18°57	F 14
S 15	1 36 6	22°7'44	8♂54	28°28	13°36	1°51	20°19	22°58	29°7	21°30	3°32	12°43	11°44	23°0	18°55	S 15
S 16	1 40 2	23°7'07	22°59	27°18	14°51	2°34	20°29	23°5	29°5	21°28	3°32	12°D43	11°41	23°6	18°54	S 16
M17	1 43 59	24°6'33	6♂49	26°6	16°6	3°17	20°39	23°12	29°2	21°27	3°33	12°R43	11°38	23°13	18°53	M17
T 18	1 47 55	25°6'00	20°26	24°53	17°21	3°59	20°49	23°18	29°0	21°26	3°33	12°43	11°35	23°20	18°51	T 18
W19	1 51 52	26°5'30	3♂51	23°42	18°36	4°42	20°59	23°25	28°58	21°24	3°34	12°41	11°32	23°26	18°49	W19
T 20	1 55 49	27°5'02	17°3	22°33	19°51	5°25	21°10	23°32	28°55	21°23	3°34	12°37	11°28	23°33	18°48	T 20
F 21	1 59 45	28°4'36	0♂5	21°30	21°6	6°8	21°20	23°39	28°53	21°22	3°34	12°30	11°25	23°40	18°46	F 21
S 22	2 3 42	29°4'12	12°55	20°34	22°21	6°51	21°31	23°45	28°50	21°21	3°35	12°20	11°22	23°46	18°44	S 22
S 23	2 7 38	0♂3'51	25°35	19°47	23°36	7°34	21°42	23°52	28°48	21°19	3°35	12°7	11°19	23°53	18°42	S 23
M24	2 11 35	1°3'31	8♂3	19°9	24°51	8°18	21°52	23°58	28°45	21°18	3°35	11°54	11°16	24°0	18°40	M24
T 25	2 15 31	2°3'14	20°20	18°43	26°6	9°1	22°3	24°5	28°43	21°17	3°35	11°40	11°12	24°6	18°38	T 25
W26	2 19 28	3°2'58	2♂26	18°28	27°22	9°44	22°14	24°11	28°40	21°16	3°36	11°27	11°9	24°13	18°36	W26
T 27	2 23 24	4°2'44	14°24	18°D24	28°37	10°28	22°25	24°18	28°38	21°15	3°36	11°16	11°6	24°20	18°34	T 27
F 28	2 27 21	5°2'32	26°15	18°31	29°52	11°11	22°37	24°24	28°35	21°14	3°36	11°8	11°3	24°27	18°32	F 28
S 29	2 31 18	6°2'22	8♂2	18°49	1♂7	11°55	22°48	24°30	28°33	21°13	3°36	11°3	11°0	24°33	18°30	S 29
S 30	2 35 14	7°2'14	19°52	19°17	2°22	12°38	22°59	24°37	28°31	21°12	3°36	11°0	10°57	24°40	18°27	S 30
M31	2 39 11	8♂2'07	1♂47	19♂54	3♂37	13♂22	23♂11	24♂43	28♂Y28	21♂11	3♂37	10♂59	10♂53	24♂47	18♂25	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	decl	lat
S 1	3s18	19s52	3n33	15s42	3s30	2n51	1n27	18s53	0s39	22s35	0n18	5n 8	1n50	10n48	0s35	4s16	1 s 8	22n 6	2n48	16n40	17n 2	19s 8	18n 1	4s58			
S 2	3 41	20 11	2 43	15 53	3 33	2 22	1 27	19 5	0 40	22 36	0 18	5 5	1 50	10 47	0 35	4 17	1 8	22 6	2 48	16 41	17 3	19 9	18 1	4 58			
M 3	4 4	19 35	1 45	16 3	3 35	1 53	1 27	19 16	0 40	22 37	0 18	5 2	1 50	10 46	0 35	4 18	1 8	22 6	2 48	16 40	17 4	19 10	18 0	4 59			
T 4	4 28	18 5	0 42	16 9	3 37	1 23	1 27	19 27	0 41	22 38	0 17	4 59	1 50	10 45	0 35	4 18	1 8	22 6	2 49	16 40	17 5	19 11	18 0	4 59			
W 5	4 51	15 41	0s25	16 12	3 37	0 53	1 27	19 37	0 41	22 39	0 17	4 57	1 50	10 44	0 35	4 19	1 8	22 6	2 49	16 40	17 6	19 12	17 59	5 0			
T 6	5 14	12 27	1 32	16 12	3 37	0 24	1 27	19 48	0 42	22 40	0 17	4 54	1 50	10 44	0 35	4 19	1 8	22 6	2 49	16 40	17 7	19 13	17 59	5 0			
F 7	5 36	8 31	2 36	16 9	3 35	0s 6	1 27	19 58	0 42	22 41	0 17	4 51	1 50	10 43	0 35	4 20	1 8	22 6	2 49	16 42	17 8	19 14	17 58	5 0			
S 8	5 59	4 3	3 33	16 1	3 32	0 36	1 27	20 9	0 43	22 42	0 17	4 48	1 51	10 42	0 35	4 20	1 8	22 6	2 49	16 43	17 9	19 15	17 58	5 1			
S 9	6 22	0n46	4 19	15 50	3 27	1 6	1 27	20 19	0 43	22 43	0 17	4 46	1 51	10 41	0 35	4 21	1 8	22 6	2 49	16 46	17 10	19 16	17 57	5 1			
M10	6 45	5 38	4 50	15 34	3 21	1 35	1 27	20 29	0 44	22 43	0 17	4 43	1 51	10 40	0 35	4 22	1 8	22 6	2 49	16 49	17 10	19 17	17 57	5 2			
T 11	7 7	10 16	5 3	15 14	3 13	2 5	1 26	20 39	0 44	22 44	0 16	4 40	1 51	10 39	0 35	4 22	1 8	22 6	2 49	16 51	17 11	19 18	17 56	5 2			
W12	7 30	14 19	4 56	14 49	3 3	2 35	1 26	20 48	0 45	22 45	0 16	4 38	1 51	10 39	0 35	4 23	1 8	22 6	2 50	16 54	17 12	19 19	17 56	5 3			
T 13	7 52	17 29	4 30	14 20	2 52	3 5	1 26	20 58	0 46	22 46	0 16	4 35	1 51	10 38	0 35	4 23	1 8	22 6	2 50	16 56	17 13	19 20	17 55	5 3			
F 14	8 14	19 32	3 46	13 46	2 38	3 34	1 25	21 7	0 46	22 47	0 16	4 32	1 51	10 37	0 35	4 24	1 8	22 6	2 50	16 58	17 14	19 21	17 55	5 3			
S 15	8 37	20 18	2 49	13 9	2 23	4 4	1 24	21 16	0 47	22 48	0 16	4 30	1 51	10 36	0 35	4 24	1 8	22 6	2 50	16 58	17 15	19 22	17 54	5 4			
S 16	8 59	19 46	1 43	12 28	2 6	4 33	1 24	21 25	0 47	22 49	0 16	4 27	1 52	10 35	0 35	4 25	1 8	22 6	2 50	16 59	17 16	19 23	17 54	5 4			
M17	9 20	18 3	0 31	11 45	1 48	5 3	1 23	21 34	0 47	22 49	0 16	4 25	1 52	10 34	0 35	4 25	1 8	22 6	2 50	16 59	17 17	19 23	17 53	5 5			
T 18	9 42	15 18	0n41	11 0	1 29	5 32	1 22	21 43	0 48	22 50	0 15	4 22	1 52	10 33	0 35	4 26	1 8	22 6	2 50	16 59	17 18	19 24	17 53	5 5			
W19	10 4	11 47	1 50	10 15	1 9	6 2	1 21	21 51	0 48	22 51	0 15	4 19	1 52	10 33	0 35	4 26	1 8	22 6	2 51	16 59	17 18	19 25	17 52	5 6			
T 20	10 25	7 44	2 51	9 30	0 48	6 31	1 20	21 59	0 49	22 52	0 15	4 17	1 52	10 32	0 35	4 27	1 8	22 6	2 51	17 0	17 19	19 26	17 52	5 6			
F 21	10 47	3 23	3 43	8 48	0 27	7 0	1 20	22 7	0 49	22 53	0 15	4 14	1 52	10 31	0 35	4 27	1 8	22 6	2 51	17 2	17 20	19 27	17 51	5 6			
S 22	11 8	1s 4	4 22	8 8	0 7	7 29	1 19	22 15	0 50	22 54	0 15	4 12	1 52	10 30	0 35	4 28	1 8	22 6	2 51	17 5	17 21	19 28	17 51	5 7			
S 23	11 29	5 24	4 48	7 32	0n12	7 57	1 17	22 23	0 50	22 54	0 15	4 10	1 53	10 29	0 35	4 28	1 8	22 6	2 51	17 9	17 22	19 29	17 50	5 7			
M24	11 50	9 27	4 59	7 1	0 31	8 26	1 16	22 30	0 51	22 55	0 15	4 7	1 53	10 28	0 35	4 29	1 8	22 6	2 51	17 12	17 23	19 30	17 49	5 7			
T 25	12 10	13 2	4 57	6 35	0 48	8 54	1 15	22 37	0 51	22 56	0 15	4 5	1 53	10 27	0 35	4 29	1 7	22 6	2 51	17 16	17 24	19 31	17 49	5 8			
W26	12 31	16 2	4 41	6 15	1 3	9 22	1 14	22 44	0 52	22 57	0 14	4 2	1 53	10 27	0 35	4 30	1 7	22 7	2 52	17 20	17 25	19 32	17 48	5 8			
T 27	12 51	18 20	4 12	6 1	1 17	9 50	1 13	22 51	0 52	22 58	0 14	4 0	1 53	10 26	0 35	4 30	1 7	22 7	2 52	17 23	17 25	19 33	17 48	5 9			
F 28	13 11	19 49	3 33	5 52	1 30	10 18	1 11	22 58	0 53	22 58	0 14	3 57	1 53	10 25	0 35	4 30	1 7	22 7	2 52	17 25	17 26	19 33	17 47	5 9			
S 29	13 31	20 26	2 45	5 49	1 40	10 46	1 10	23 4	0 53	22 59	0 14	3 55	1 54	10 24	0 35	4 31	1 7	22 7	2 52	17 26	17 27	19 34	17 47	5 9			
S 30	13 51	20 9	1 49	5 52	1 49	11 13	1 8	23 10	0 53	23 0	0 14	3 53	1 54	10 23	0 35	4 31	1 7	22 7	2 52	17 27	17 28	19 35	17 46	5 10			
M31	14s10	18s57	0n49	5s59	1n56	11s40	1n 7	23s16	0s54	23s 0	0n14	3n51	1n54	10n22	0s35	4s32	1s 7	22n 7	2n52	17n27	17n29	19s36	17n46	5s10			

ASTRODIENST EPHEMERIS for the year 2185

geocentric

NOVEMBER 2185

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 43 7	9♉ 2'02	13♊54	20♈40	4♉53	14♊6	23♊22	24♉49	28°R26	21°R10	3♉37	10°R59	10♉50	24♊53	18°R23	T 1
W 2	2 47 4	10° 1'58	26°18	21°33	6° 8	14°49	23°34	24°55	28°Y23	21°K 9	3°37	10♉59	10°47	25° 0	18♈20	W 2
T 3	2 51 0	11° 1'56	9♈4	22°33	7°23	15°33	23°45	25° 1	28°21	21° 8	3°R37	10°57	10°44	25° 7	18°18	T 3
F 4	2 54 57	12° 1'56	22°16	23°39	8°38	16°17	23°57	25° 7	28°19	21° 7	3°37	10°52	10°41	25°13	18°15	F 4
S 5	2 58 53	13° 1'57	5♉58	24°50	9°54	17° 1	24° 9	25°13	28°16	21° 6	3°37	10°45	10°38	25°20	18°12	S 5
S 6	3 2 50	14° 2'00	20° 7	26° 5	11° 9	17°45	24°21	25°19	28°14	21° 5	3°37	10°36	10°34	25°27	18°10	S 6
M 7	3 6 47	15° 2'05	4♈42	27°24	12°24	18°30	24°33	25°24	28°12	21° 4	3°36	10°25	10°31	25°33	18° 7	M 7
T 8	3 10 43	16° 2'11	19°35	28°47	13°39	19°14	24°45	25°30	28° 9	21° 3	3°36	10°13	10°28	25°40	18° 4	T 8
W 9	3 14 40	17° 2'20	4♈38	0♉12	14°55	19°58	24°57	25°36	28° 7	21° 3	3°36	10° 2	10°25	25°47	18° 1	W 9
T 10	3 18 36	18° 2'30	19°40	1°39	16°10	20°42	25° 9	25°41	28° 5	21° 2	3°36	9°53	10°22	25°53	17°58	T 10
F 11	3 22 33	19° 2'42	4♈32	3° 8	17°25	21°27	25°21	25°47	28° 3	21° 1	3°36	9°46	10°18	26° 0	17°55	F 11
S 12	3 26 29	20° 2'57	19° 8	4°39	18°41	22°11	25°33	25°52	28° 0	21° 1	3°36	9°43	10°15	26° 7	17°53	S 12
S 13	3 30 26	21° 3'13	3♉24	6°11	19°56	22°56	25°46	25°58	27°58	21° 0	3°35	9°42	10°12	26°13	17°50	S 13
M14	3 34 22	22° 3'31	17°17	7°44	21°11	23°40	25°58	26° 3	27°56	20°59	3°35	9°42	10° 9	26°20	17°46	M14
T 15	3 38 19	23° 3'51	0♉50	9°18	22°27	24°25	26°11	26° 8	27°54	20°59	3°35	9°42	10° 6	26°27	17°43	T 15
W16	3 42 16	24° 4'13	14° 5	10°52	23°42	25°10	26°23	26°13	27°52	20°58	3°35	9°40	10° 3	26°34	17°40	W16
T 17	3 46 12	25° 4'37	27° 3	12°27	24°57	25°55	26°36	26°18	27°50	20°58	3°34	9°36	9°59	26°40	17°37	T 17
F 18	3 50 9	26° 5'03	9♈47	14° 2	26°13	26°39	26°49	26°23	27°48	20°57	3°34	9°29	9°56	26°47	17°34	F 18
S 19	3 54 5	27° 5'31	22°20	15°37	27°28	27°24	27° 1	26°28	27°45	20°57	3°34	9°20	9°53	26°54	17°31	S 19
S 20	3 58 2	28° 6'01	4♉43	17°12	28°43	28° 9	27°14	26°33	27°43	20°56	3°33	9° 8	9°50	27° 0	17°27	S 20
M21	4 1 58	29° 6'32	16°57	18°48	29°59	28°54	27°27	26°38	27°41	20°56	3°33	8°55	9°47	27° 7	17°24	M21
T 22	4 5 55	0♊7'05	29° 2	20°24	1♊14	29°39	27°40	26°43	27°39	20°56	3°32	8°41	9°44	27°14	17°21	T 22
W23	4 9 51	1° 7'39	11♊1	21°59	2°29	0♊25	27°53	26°47	27°38	20°55	3°32	8°29	9°40	27°20	17°17	W23
T 24	4 13 48	2° 8'15	22°54	23°35	3°45	1°10	28° 6	26°52	27°36	20°55	3°31	8°18	9°37	27°27	17°14	T 24
F 25	4 17 45	3° 8'52	4♊43	25°10	5° 0	1°55	28°19	26°56	27°34	20°55	3°31	8°10	9°34	27°34	17°11	F 25
S 26	4 21 41	4° 9'31	16°30	26°45	6°16	2°40	28°32	27° 1	27°32	20°54	3°30	8° 5	9°31	27°40	17° 7	S 26
S 27	4 25 38	5°10'10	28°19	28°20	7°31	3°26	28°45	27° 5	27°30	20°54	3°30	8° 2	9°28	27°47	17° 4	S 27
M28	4 29 34	6°10'51	10♊13	29°56	8°46	4°11	28°58	27° 9	27°28	20°54	3°29	8°D 2	9°24	27°54	17° 0	M28
T 29	4 33 31	7°11'33	22°17	1♊31	10° 2	4°57	29°11	27°13	27°27	20°54	3°28	8° 2	9°21	28° 0	16°57	T 29
W30	4 37 27	8♊12'16	4♈38	3♊5	11♊17	5♊42	29♊24	27♉17	27°Y25	20°K54	3♉28	8°R 3	9♉18	28♊7	16♈53	W30

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	14s30	16s53	0s15	6s11	2n 2	12s 7	1n 5	23s22	0s54	23s 1	0n14	3n48	1n54	10n22	0s35	4s32	1s 7	22n 7	2n52	17n27
W 2	14 49	14 0	1 20	6 27	2 6	12 33	1 4	23 27	0 55	23 2	0 14	3 46	1 54	10 21	0 35	4 32	1 7	22 7	2 53	17 27
T 3	15 7	10 22	2 23	6 46	2 9	12 59	1 2	23 33	0 55	23 3	0 13	3 44	1 55	10 20	0 35	4 33	1 7	22 7	2 53	17 28
F 4	15 26	6 7	3 20	7 9	2 10	13 25	1 0	23 38	0 55	23 3	0 13	3 42	1 55	10 19	0 35	4 33	1 7	22 8	2 53	17 29
S 5	15 44	1 25	4 7	7 34	2 11	13 50	0 58	23 42	0 56	23 4	0 13	3 39	1 55	10 18	0 35	4 33	1 7	22 8	2 53	17 31
S 6	16 2	3n30	4 42	8 2	2 11	14 16	0 57	23 47	0 56	23 4	0 13	3 37	1 55	10 17	0 35	4 34	1 7	22 8	2 53	17 34
M 7	16 20	8 23	4 59	8 31	2 9	14 40	0 55	23 51	0 57	23 5	0 13	3 35	1 55	10 17	0 35	4 34	1 7	22 8	2 53	17 37
T 8	16 37	12 51	4 56	9 3	2 7	15 5	0 53	23 55	0 57	23 6	0 13	3 33	1 56	10 16	0 35	4 34	1 7	22 8	2 53	17 40
W 9	16 54	16 33	4 34	9 35	2 5	15 29	0 51	23 59	0 57	23 6	0 13	3 31	1 56	10 15	0 35	4 35	1 7	22 8	2 54	17 43
T 10	17 11	19 10	3 52	10 8	2 1	15 52	0 49	24 3	0 58	23 7	0 13	3 29	1 56	10 14	0 35	4 35	1 7	22 9	2 54	17 45
F 11	17 28	20 26	2 54	10 43	1 57	16 16	0 47	24 6	0 58	23 7	0 13	3 27	1 56	10 13	0 35	4 35	1 7	22 9	2 54	17 47
S 12	17 44	20 17	1 47	11 17	1 53	16 38	0 45	24 9	0 58	23 8	0 12	3 25	1 56	10 13	0 35	4 35	1 7	22 9	2 54	17 48
S 13	18 0	18 50	0 33	11 52	1 48	17 1	0 43	24 12	0 59	23 8	0 12	3 23	1 57	10 12	0 35	4 36	1 7	22 9	2 54	17 48
M14	18 16	16 16	0n40	12 27	1 43	17 23	0 41	24 15	0 59	23 9	0 12	3 21	1 57	10 11	0 35	4 36	1 7	22 9	2 54	17 48
T 15	18 31	12 52	1 50	13 3	1 37	17 44	0 39	24 17	0 59	23 9	0 12	3 19	1 57	10 10	0 35	4 36	1 7	22 9	2 54	17 48
W16	18 46	8 54	2 51	13 38	1 31	18 5	0 37	24 19	1 0	23 10	0 12	3 18	1 57	10 10	0 35	4 36	1 7	22 10	2 55	17 49
T 17	19 1	4 35	3 43	14 12	1 25	18 26	0 34	24 21	1 0	23 10	0 12	3 16	1 57	10 9	0 35	4 36	1 7	22 10	2 55	17 50
F 18	19 15	0 9	4 22	14 47	1 19	18 46	0 32	24 22	1 0	23 11	0 12	3 14	1 58	10 8	0 35	4 36	1 7	22 10	2 55	17 51
S 19	19 29	4s13	4 48	15 21	1 12	19 5	0 30	24 24	1 1	23 11	0 12	3 12	1 58	10 7	0 35	4 37	1 7	22 10	2 55	17 54
S 20	19 43	8 21	5 0	15 54	1 6	19 24	0 28	24 25	1 1	23 12	0 12	3 10	1 58	10 7	0 35	4 37	1 7	22 11	2 55	17 57
M21	19 56	12 6	4 58	16 27	0 59	19 43	0 26	24 26	1 1	23 12	0 11	3 9	1 58	10 6	0 35	4 37	1 7	22 11	2 55	18 1
T 22	20 9	15 19	4 43	16 59	0 52	20 0	0 23	24 26	1 1	23 12	0 11	3 7	1 59	10 5	0 35	4 37	1 7	22 11	2 55	18 4
W23	20 22	17 52	4 15	17 31	0 45	20 18	0 21	24 26	1 2	23 13	0 11	3 6	1 59	10 5	0 35	4 37	1 7	22 11	2 56	18 7
T 24	20 34	19 38	3 36	18 2	0 38	20 34	0 19	24 26	1 2	23 13	0 11	3 4	1 59	10 4	0 35	4 37	1 7	22 12	2 56	18 10
F 25	20 46	20 32	2 48	18 32	0 31	20 51	0 16	24 26	1 2	23 13	0 11	3 2	1 59	10 3	0 35	4 37	1 7	22 12	2 56	18 12
S 26	20 57	20 32	1 52	19 1	0 24	21 6	0 14	24 26	1 2	23 13	0 11	3 1	1 59	10 3	0 35	4 37	1 7	22 12	2 56	18 14
S 27	21 8	19 38	0 52	19 29	0 17	21 21	0 11	24 25	1 3	23 14	0 11	2 59	2 0	10 2	0 35	4 37	1 7	22 12	2 56	18 14
M28	21 19	17 51	0s12	19 56	0 11	21 35	0 9	24 24	1 3	23 14	0 11	2 58	2 0	10 2	0 35	4 37	1 7	22 13	2 56	18 14
T 29	21 29	15 16	1 16	20 23	0 4	21 49	0 7	24 22	1 3	23 14	0 11	2 57	2 0	10 1	0 35	4 37	1 7	22 13	2 56	18 14
W30	21s39	11s56	2s18	20s48	0s 3	22s 2	0n 4	24s21	1s 3	23s14	0n10	2n55	2n 0	10n 0	0s35	4s37	1s 7	22n13	2n57	18n14

ASTRODIENST EPHEMERIS for the year 2185
geocentric

DECEMBER 2185

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 41 24	9♌13'00	17♋18	4♊40	12♈33	6♌28	29♌38	27♎21	27°R23	20°R54	3°R27	8°R 3	9♏15	28♌14	16°R50	T 1
F 2	4 45 20	10°13'45	0♏24	6°15	13°48	7°14	29°51	27°25	27°Y22	20°D54	3♏26	8♏1	9°12	28°20	16♏46	F 2
S 3	4 49 17	11°14'31	13°59	7°49	15° 3	7°59	0♌4	27°29	27°20	20°X54	3°26	7°56	9° 9	28°27	16°43	S 3
S 4	4 53 14	12°15'18	28° 5	9°24	16°19	8°45	0°18	27°32	27°19	20°54	3°25	7°50	9° 5	28°34	16°39	S 4
M 5	4 57 10	13°16'06	12♊39	10°58	17°34	9°31	0°31	27°36	27°17	20°54	3°24	7°42	9° 2	28°40	16°36	M 5
T 6	5 1 7	14°16'55	27°36	12°32	18°50	10°17	0°44	27°39	27°16	20°54	3°23	7°33	8°59	28°47	16°32	T 6
W 7	5 5 3	15°17'45	12♏49	14° 7	20° 5	11° 3	0°58	27°43	27°14	20°54	3°23	7°25	8°56	28°54	16°29	W 7
T 8	5 9 0	16°18'36	28° 7	15°41	21°20	11°48	1°11	27°46	27°13	20°55	3°22	7°18	8°53	29° 0	16°25	T 8
F 9	5 12 56	17°19'28	13♌18	17°15	22°36	12°34	1°25	27°49	27°12	20°55	3°21	7°14	8°50	29° 7	16°21	F 9
S 10	5 16 53	18°20'22	28°14	18°49	23°51	13°20	1°39	27°52	27°10	20°55	3°20	7°11	8°46	29°14	16°18	S 10
S 11	5 20 49	19°21'16	12♏47	20°23	25° 7	14° 7	1°52	27°55	27° 9	20°55	3°19	7°D11	8°43	29°21	16°14	S 11
M12	5 24 46	20°22'12	26°54	21°58	26°22	14°53	2° 6	27°58	27° 8	20°56	3°18	7°12	8°40	29°27	16°11	M12
T 13	5 28 43	21°23'09	10♎36	23°32	27°38	15°39	2°19	28° 1	27° 7	20°56	3°17	7°13	8°37	29°34	16° 7	T 13
W14	5 32 39	22°24'07	23°53	25° 6	28°53	16°25	2°33	28° 4	27° 6	20°57	3°16	7°R14	8°34	29°41	16° 4	W14
T 15	5 36 36	23°25'06	6♌48	26°41	0♌8	17°11	2°47	28° 6	27° 5	20°57	3°15	7°13	8°30	29°47	16° 0	T 15
F 16	5 40 32	24°26'07	19°25	28°15	1°24	17°58	3° 0	28° 9	27° 3	20°57	3°14	7°10	8°27	29°54	15°57	F 16
S 17	5 44 29	25°27'08	1♎48	29°50	2°39	18°44	3°14	28°11	27° 3	20°58	3°13	7° 5	8°24	0♌1	15°53	S 17
S 18	5 48 25	26°28'11	13°59	1♌25	3°55	19°30	3°28	28°13	27° 2	20°58	3°12	6°58	8°21	0° 7	15°50	S 18
M19	5 52 22	27°29'14	26° 2	3° 0	5°10	20°17	3°41	28°15	27° 1	20°59	3°11	6°51	8°18	0°14	15°46	M19
T 20	5 56 18	28°30'18	7♌58	4°34	6°25	21° 3	3°55	28°17	27° 0	21° 0	3°10	6°43	8°15	0°21	15°43	T 20
W21	6 0 15	29°31'23	19°50	6°10	7°41	21°50	4° 9	28°19	26°59	21° 0	3° 9	6°36	8°11	0°27	15°39	W21
T 22	6 4 12	0♌32'29	1♌40	7°45	8°56	22°36	4°23	28°21	26°58	21° 1	3° 8	6°30	8° 8	0°34	15°36	T 22
F 23	6 8 8	1°33'35	13°29	9°20	10°12	23°23	4°36	28°23	26°58	21° 2	3° 7	6°25	8° 5	0°41	15°32	F 23
S 24	6 12 5	2°34'41	25°18	10°56	11°27	24°10	4°50	28°25	26°57	21° 2	3° 6	6°23	8° 2	0°47	15°29	S 24
S 25	6 16 1	3°35'48	7♌11	12°31	12°43	24°56	5° 4	28°26	26°57	21° 3	3° 5	6°D22	7°59	0°54	15°26	S 25
M26	6 19 58	4°36'56	19°10	14° 7	13°58	25°43	5°18	28°28	26°56	21° 4	3° 4	6°23	7°56	1° 1	15°22	M26
T 27	6 23 54	5°38'03	1♋19	15°43	15°13	26°30	5°32	28°29	26°56	21° 5	3° 3	6°24	7°52	1° 7	15°19	T 27
W28	6 27 51	6°39'11	13°41	17°18	16°29	27°17	5°45	28°30	26°55	21° 6	3° 1	6°26	7°49	1°14	15°16	W28
T 29	6 31 47	7°40'19	26°20	18°54	17°44	28° 3	5°59	28°31	26°55	21° 7	3° 0	6°28	7°46	1°21	15°12	T 29
F 30	6 35 44	8°41'26	9♏21	20°30	18°59	28°50	6°13	28°32	26°54	21° 8	2°59	6°R28	7°43	1°27	15° 9	F 30
S 31	6 39 41	9♌42'34	22♏46	22♌5	20♌15	29♌37	6♌27	28♎33	26°Y54	21°X 9	2♏58	6♏28	7♏40	1♌34	15♏6	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
T 1	21s49	8s 0	3s14	21s13	0s10	22s15	0n 2	24s19	1s 4	23s14	0n10	2n54	2n 1	10n 0	0s34	4s37	1s 7	22n13	2n57	18n14	17n55	20s 1	17n29	5s18	
F 2	21 58	3 33	4 3	21 36	0 17	22 26	0s 0	24 17	1 4	23 15	0 10	2 53	2 1	9 59	0 34	4 37	1 7	22 14	2 57	18 15	17 56	20 2	17 29	5 18	
S 3	22 6	1n12	4 40	21 58	0 23	22 37	0 3	24 14	1 4	23 15	0 10	2 51	2 1	9 59	0 34	4 37	1 7	22 14	2 57	18 16	17 57	20 3	17 28	5 18	
S 4	22 14	6 5	5 2	22 20	0 30	22 48	0 5	24 12	1 4	23 15	0 10	2 50	2 1	9 58	0 34	4 37	1 6	22 14	2 57	18 17	17 58	20 3	17 28	5 19	
M 5	22 22	10 46	5 5	22 40	0 36	22 58	0 8	24 9	1 5	23 15	0 10	2 49	2 2	9 58	0 34	4 37	1 6	22 15	2 57	18 20	17 59	20 4	17 27	5 19	
T 6	22 29	14 56	4 48	22 59	0 43	23 7	0 10	24 5	1 5	23 15	0 10	2 48	2 2	9 57	0 34	4 37	1 6	22 15	2 57	18 22	18 0	20 5	17 27	5 19	
W 7	22 36	18 11	4 10	23 16	0 49	23 15	0 12	24 2	1 5	23 15	0 10	2 47	2 2	9 57	0 34	4 37	1 6	22 15	2 57	18 24	18 0	20 6	17 26	5 19	
T 8	22 43	20 10	3 14	23 33	0 55	23 23	0 15	23 58	1 5	23 15	0 10	2 46	2 2	9 56	0 34	4 37	1 6	22 16	2 58	18 26	18 1	20 6	17 26	5 19	
F 9	22 49	20 40	2 5	23 49	1 1	23 30	0 17	23 54	1 5	23 15	0 10	2 45	2 3	9 56	0 34	4 37	1 6	22 16	2 58	18 27	18 2	20 7	17 25	5 19	
S 10	22 54	19 42	0 48	24 3	1 6	23 36	0 20	23 50	1 5	23 15	0 9	2 44	2 3	9 55	0 34	4 37	1 6	22 16	2 58	18 27	18 3	20 8	17 25	5 19	
S 11	22 59	17 26	0n30	24 16	1 12	23 41	0 22	23 45	1 6	23 15	0 9	2 43	2 3	9 55	0 34	4 37	1 6	22 17	2 58	18 27	18 4	20 9	17 24	5 19	
M12	23 4	14 10	1 45	24 27	1 17	23 46	0 24	23 40	1 6	23 15	0 9	2 42	2 4	9 55	0 34	4 36	1 6	22 17	2 58	18 27	18 4	20 9	17 24	5 19	
T 13	23 8	10 13	2 51	24 38	1 23	23 50	0 27	23 35	1 6	23 14	0 9	2 41	2 4	9 54	0 34	4 36	1 6	22 17	2 58	18 27	18 5	20 10	17 24	5 19	
W14	23 12	5 53	3 46	24 47	1 28	23 53	0 29	23 30	1 6	23 14	0 9	2 40	2 4	9 54	0 34	4 36	1 6	22 18	2 58	18 27	18 6	20 11	17 23	5 20	
T 15	23 15	1 24	4 27	24 55	1 33	23 56	0 31	23 24	1 6	23 14	0 9	2 39	2 4	9 53	0 34	4 36	1 6	22 18	2 58	18 27	18 7	20 11	17 23	5 20	
F 16	23 18	3s 2	4 55	25 1	1 37	23 58	0 33	23 18	1 6	23 14	0 9	2 39	2 5	9 53	0 34	4 36	1 6	22 18	2 59	18 28	18 8	20 12	17 22	5 20	
S 17	23 20	7 16	5 8	25 6	1 42	23 59	0 36	23 12	1 6	23 14	0 9	2 38	2 5	9 53	0 34	4 35	1 6	22 19	2 59	18 29	18 9	20 13	17 22	5 20	
S 18	23 22	11 8	5 7	25 10	1 46	23 59	0 38	23 6	1 6	23 13	0 9	2 37	2 5	9 52	0 34	4 35	1 6	22 19	2 59	18 31	18 9	20 13	17 22	5 20	
M19	23 23	14 30	4 53	25 12	1 50	23 59	0 40	22 59	1 7	23 13	0 9	2 37	2 5	9 52	0 34	4 35	1 6	22 19	2 59	18 32	18 10	20 14	17 21	5 20	
T 20	23 24	17 15	4 25	25 13	1 53	23 58	0 42	22 52	1 7	23 13	0 8	2 36	2 6	9 52	0 34	4 35	1 6	22 20	2 59	18 34	18 11	20 15	17 21	5 20	
W21	23 25	19 16	3 46	25 13	1 57	23 56	0 44	22 45	1 7	23 13	0 8	2 36	2 6	9 52	0 34	4 34	1 6	22 20	2 59	18 36	18 12	20 15	17 21	5 20	
T 22	23 25	20 26	2 58	25 11	2 0	23 53	0 47	22 37	1 7	23 12	0 8	2 35	2 6	9 51	0 34	4 34	1 6	22 20	2 59	18 38	18 13	20 16	17 20	5 20	
F 23	23 24	20 43	2 2	25 7	2 2	23 50	0 49	22 29	1 7	23 12	0 8	2 35	2 7	9 51	0 34	4 34	1 6	22 21	2 59	18 39	18 14	20 17	17 20	5 20	
S 24	23 23	20 4	1 0	25 2	2 5	23 46	0 51	22 21	1 7	23 11	0 8	2 34	2 7	9 51	0 34	4 33	1 6	22 21	2 59	18 39	18 14	20 18	17 20	5 20	
S 25	23 22	18 32	0s 4	24 56	2 7	23 41	0 53	22 13	1 7	23 11	0 8	2 34	2 7	9 51	0 34	4 33	1 6	22 22	3 0	18 40	18 15	20 18	17 19	5 20	
M26	23 20	16 10	1 10	24 48	2 9	23 35	0 55	22 5	1 7	23 11	0 8	2 34	2 7	9 51	0 34	4 33	1 6	22 22	3 0	18 39	18 16	20 19	17 19	5 20	
T 27	23 18	13 4	2 13	24 38	2 10	23 29	0 57	21 56	1 7	23 10	0 8	2 33	2 8	9 51	0 34	4 32	1 6	22 22	3 0	18 39	18 17	20 19	17 19	5 20	
W28	23 15	9 21	3 11	24 27	2 11	23 22	0 59	21 47	1 7	23 10	0 8	2 33	2 8	9 50	0 34	4 32	1 6	22 23	3 0	18 39	18 18	20 20	17 18	5 19	
T 29	23 12	5 8	4 1	24 15	2 11	23 14	1 0	21 38	1 7	23 9	0 8	2 33	2 8	9 50	0 34	4 32	1 6	22 23	3 0	18 38	18 18	20 21	17 18	5 19	
F 30	23 8	0 36	4 40	24 1	2 11	23 6	1 2	21 28	1 7	23 9	0 8	2 33	2 9	9 50	0 34	4 31	1 6	22 23	3 0	18 38	18 19	20 21	17 18	5 19	
S 31	23s 4	4n 7	5s 6	23s46	2s11	22s57	1s 4	21s18	1s 7	23s 8	0n 7	2n33	2n 9	9n50	0s34	4s31	1s 6	22n24	3n 0	18n38	18n20	20s22	17n18	5s19	