



Astrodienst Ephemeris Tables for the year 1885

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 1885
geocentric

JANUARY 1885

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 43 14	10 ³ 48'14	7 ⁵ 34	17°R32	10 ² 44	20 ³ 22	5°R40	19°R11	2 ² 55	20°R46	0°R30	9°R12	9 ² 14	24 ² 3	5°R16	T 1
F 2	6 47 11	11°49'22	22°50	16 ³ 20	11°59	21° 9	5 ¹ 37	19 ¹ 7	2°55	20 ² 45	0 ¹ 30	9 ² 0	9°11	24°10	5 ¹ 13	F 2
S 3	6 51 7	12°50'31	7 ² 52	15° 3	13°13	21°55	5°35	19° 2	2°56	20°44	0°29	8°49	9° 8	24°17	5°11	S 3
S 4	6 55 4	13°51'39	22°30	13°43	14°27	22°42	5°32	18°58	2°56	20°44	0°28	8°41	9° 5	24°24	5° 8	S 4
M 5	6 59 0	14°52'47	6 ¹ 40	12°22	15°42	23°29	5°30	18°54	2°56	20°43	0°27	8°35	9° 2	24°30	5° 6	M 5
T 6	7 2 57	15°53'56	20°19	11° 3	16°56	24°16	5°27	18°50	2°56	20°42	0°26	8°32	8°58	24°37	5° 3	T 6
W 7	7 6 53	16°55'04	3 ² 28	9°49	18°11	25° 3	5°24	18°46	2°R56	20°41	0°26	8°31	8°55	24°44	5° 1	W 7
T 8	7 10 50	17°56'13	16°12	8°41	19°25	25°50	5°20	18°42	2°56	20°40	0°25	8°31	8°52	24°50	4°59	T 8
F 9	7 14 47	18°57'22	28°36	7°42	20°40	26°36	5°17	18°38	2°56	20°40	0°24	8°31	8°49	24°57	4°56	F 9
S 10	7 18 43	19°58'30	10 ¹ 44	6°51	21°54	27°23	5°13	18°34	2°56	20°39	0°24	8°29	8°46	25° 4	4°54	S 10
S 11	7 22 40	20°59'39	22°41	6°10	23° 9	28°10	5° 9	18°30	2°56	20°38	0°23	8°25	8°43	25°11	4°52	S 11
M12	7 26 36	22° 0'48	4 ² 33	5°38	24°24	28°57	5° 5	18°27	2°55	20°38	0°22	8°18	8°39	25°17	4°50	M12
T 13	7 30 33	23° 1'56	16°23	5°16	25°38	29°44	5° 1	18°23	2°55	20°37	0°22	8° 8	8°36	25°24	4°48	T 13
W14	7 34 29	24° 3'04	28°14	5° 4	26°53	0 ² 31	4°57	18°19	2°55	20°36	0°21	7°56	8°33	25°31	4°46	W14
T 15	7 38 26	25° 4'12	10 ³ 8	5°D 0	28° 7	1°18	4°52	18°16	2°54	20°36	0°20	7°42	8°30	25°37	4°44	T 15
F 16	7 42 22	26° 5'19	22° 8	5° 5	29°22	2° 5	4°47	18°13	2°54	20°35	0°20	7°28	8°27	25°44	4°42	F 16
S 17	7 46 19	27° 6'25	4 ² 13	5°18	0 ³ 37	2°53	4°43	18° 9	2°53	20°35	0°19	7°14	8°24	25°51	4°41	S 17
S 18	7 50 16	28° 7'31	16°26	5°38	1°51	3°40	4°37	18° 6	2°53	20°34	0°19	7° 3	8°20	25°58	4°39	S 18
M19	7 54 12	29° 8'37	28°46	6° 4	3° 6	4°27	4°32	18° 3	2°52	20°34	0°18	6°54	8°17	26° 4	4°37	M19
T 20	7 58 9	0 ² 9'41	11 ¹ 15	6°36	4°21	5°14	4°27	18° 0	2°51	20°34	0°18	6°48	8°14	26°11	4°36	T 20
W21	8 2 5	1°10'44	23°56	7°14	5°35	6° 1	4°21	17°57	2°51	20°33	0°17	6°45	8°11	26°18	4°34	W21
T 22	8 6 2	2°11'47	6 ² 50	7°56	6°50	6°48	4°16	17°54	2°50	20°33	0°17	6°D44	8° 8	26°24	4°33	T 22
F 23	8 9 58	3°12'48	20° 0	8°43	8° 5	7°36	4°10	17°51	2°49	20°33	0°16	6°45	8° 4	26°31	4°31	F 23
S 24	8 13 55	4°13'49	3 ² 28	9°33	9°19	8°23	4° 4	17°49	2°48	20°33	0°16	6°R45	8° 1	26°38	4°30	S 24
S 25	8 17 51	5°14'48	17°18	10°27	10°34	9°10	3°58	17°46	2°47	20°32	0°15	6°44	7°58	26°45	4°29	S 25
M26	8 21 48	6°15'46	1 ¹ 30	11°25	11°49	9°57	3°52	17°44	2°46	20°32	0°15	6°42	7°55	26°51	4°28	M26
T 27	8 25 45	7°16'43	16° 3	12°25	13° 3	10°45	3°45	17°41	2°45	20°32	0°15	6°37	7°52	26°58	4°27	T 27
W28	8 29 41	8°17'39	0 ² 52	13°29	14°18	11°32	3°39	17°39	2°44	20°32	0°14	6°29	7°49	27° 5	4°26	W28
T 29	8 33 38	9°18'33	15°52	14°34	15°33	12°19	3°32	17°37	2°43	20°32	0°14	6°21	7°45	27°12	4°25	T 29
F 30	8 37 34	10°19'27	0 ² 53	15°42	16°48	13° 7	3°26	17°35	2°41	20°D32	0°14	6°11	7°42	27°18	4°24	F 30
S 31	8 41 31	11 ² 20'19	15 ² 45	16 ³ 52	18 ³ 2	13 ² 54	3 ¹ 19	17 ¹ 33	2 ² 40	20 ² 32	0 ¹ 13	6 ² 3	7 ² 39	27 ² 25	4 ¹ 23	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
T 1	23s 1	18n15	5s 0	20s22	1n57	20s46	1n19	22s55	1s 1	10n28	1n 6	21n35	1s26	0s29	0n45	16n14	1s47	7n31	13s 1	3s39	3s40	18s21	16n37	4s39		
F 2	22 56	16 43	4 51	20 13	2 15	20 58	1 17	22 48	1 2	10 29	1 6	21 35	1 26	0 29	0 45	16 14	1 47	7 31	13 1	3 34	3 39	18 21	16 36	4 39		
S 3	22 50	14 4	4 23	20 6	2 31	21 10	1 15	22 41	1 2	10 30	1 6	21 34	1 26	0 29	0 45	16 14	1 47	7 31	13 0	3 30	3 37	18 21	16 36	4 39		
S 4	22 44	10 35	3 37	20 0	2 45	21 21	1 12	22 33	1 2	10 31	1 7	21 34	1 26	0 29	0 45	16 14	1 47	7 32	13 0	3 27	3 36	18 22	16 36	4 39		
M 5	22 37	6 36	2 40	19 56	2 57	21 32	1 10	22 26	1 2	10 32	1 7	21 34	1 26	0 29	0 45	16 13	1 47	7 32	13 0	3 24	3 35	18 22	16 35	4 39		
T 6	22 30	2 23	1 35	19 53	3 7	21 42	1 7	22 18	1 2	10 34	1 7	21 34	1 25	0 29	0 45	16 13	1 47	7 32	13 0	3 23	3 34	18 22	16 35	4 39		
W 7	22 23	1s47	0 27	19 52	3 14	21 51	1 5	22 10	1 3	10 35	1 7	21 34	1 25	0 29	0 45	16 13	1 47	7 32	12 59	3 23	3 32	18 22	16 35	4 39		
T 8	22 15	5 45	0n41	19 52	3 19	22 0	1 2	22 1	1 3	10 36	1 8	21 33	1 25	0 29	0 45	16 13	1 47	7 32	12 59	3 23	3 31	18 22	16 34	4 38		
F 9	22 7	9 21	1 44	19 53	3 21	22 8	1 0	21 52	1 3	10 38	1 8	21 33	1 25	0 29	0 45	16 13	1 46	7 32	12 59	3 23	3 30	18 22	16 34	4 38		
S 10	21 58	12 29	2 42	19 56	3 21	22 15	0 57	21 43	1 3	10 40	1 8	21 33	1 25	0 28	0 45	16 13	1 46	7 32	12 59	3 22	3 29	18 22	16 34	4 38		
S 11	21 49	15 3	3 31	20 0	3 19	22 22	0 55	21 34	1 3	10 41	1 8	21 33	1 25	0 28	0 45	16 13	1 46	7 32	12 59	3 20	3 27	18 22	16 34	4 38		
M12	21 39	16 57	4 11	20 5	3 15	22 28	0 52	21 25	1 3	10 43	1 9	21 33	1 24	0 28	0 45	16 12	1 46	7 32	12 58	3 18	3 26	18 22	16 33	4 38		
T 13	21 29	18 7	4 40	20 11	3 10	22 33	0 49	21 15	1 3	10 45	1 9	21 33	1 24	0 28	0 45	16 12	1 46	7 32	12 58	3 14	3 25	18 22	16 33	4 38		
W14	21 19	18 30	4 56	20 18	3 3	22 38	0 47	21 5	1 4	10 47	1 9	21 33	1 24	0 28	0 45	16 12	1 46	7 33	12 58	3 9	3 24	18 22	16 33	4 37		
T 15	21 8	18 4	5 0	20 25	2 56	22 42	0 44	20 55	1 4	10 48	1 9	21 33	1 24	0 28	0 45	16 12	1 46	7 33	12 58	3 3	3 22	18 22	16 33	4 37		
F 16	20 57	16 51	4 51	20 34	2 48	22 46	0 41	20 44	1 4	10 50	1 10	21 32	1 24	0 27	0 45	16 12	1 46	7 33	12 57	2 58	3 21	18 22	16 33	4 37		
S 17	20 45	14 52	4 29	20 42	2 39	22 48	0 39	20 34	1 4	10 52	1 10	21 32	1 23	0 27	0 45	16 12	1 46	7 33	12 57	2 52	3 20	18 22	16 33	4 37		
S 18	20 33	12 12	3 54	20 51	2 30	22 51	0 36	20 23	1 4	10 54	1 10	21 32	1 23	0 27	0 46	16 12	1 46	7 33	12 57	2 48	3 19	18 22	16 32	4 37		
M19	20 20	8 59	3 7	20 59	2 20	22 52	0 33	20 12	1 4	10 57	1 10	21 32	1 23	0 27	0 46	16 12	1 46	7 33	12 56	2 44	3 17	18 22	16 32	4 37		
T 20	20 8	5 20	2 11	21 8	2 10	22 53	0 30	20 1	1 4	10 59	1 11	21 32	1 23	0 26	0 46	16 12	1 46	7 33	12 56	2 42	3 16	18 22	16 32	4 36		
W21	19 54	1 23	1 8	21 16	2 0	22 52	0 28	19 49	1 4	11 1	1 11	21 32	1 23	0 26	0 46	16 12	1 46	7 34	12 56	2 41	3 15	18 22	16 32	4 36		
T 22	19 41	2n42	0s 0	21 24	1 49	22 52	0 25	19 37	1 4	11 3	1 11	21 32	1 22	0 26	0 46	16 12	1 46	7 34	12 56	2 41	3 14	18 22	16 32	4 36		
F 23	19 27	6 44	1 10	21 31	1 39	22 50	0 22	19 25	1 5	11 6	1 11	21 32	1 22	0 25	0 46	16 12	1 46	7 34	12 55	2 41	3 12	18 22	16 32	4 36		
S 24	19 13	10 31	2 18	21 38	1 29	22 48	0 19	19 13	1 5	11 8	1 11	21 32	1 22	0 25	0 46	16 12	1 46	7 34	12 55	2 41	3 11	18 22	16 32	4 36		
S 25	18 58	13 50	3 19	21 44	1 18	22 45	0 17	19 1	1 5	11 10	1 12	21 32	1 22	0 24	0 46	16 12	1 46	7 34	12 55	2 41	3 10	18 22	16 32	4 35		
M26	18 43	16 24	4 9	21 50	1 8	22 42	0 14	18 48	1 5	11 13	1 12	21 32	1 22	0 24	0 46	16 12	1 45	7 35	12 55	2 40	3 8	18 22	16 32	4 35		
T 27	18 28	17 59	4 45	21 54	0 58	22 38	0 11	18 35	1 5	11 15	1 12	21 32	1 21	0 24	0 46	16 12	1 45	7 35	12 54	2 38	3 7	18 22	16 32	4 35		
W28	18 12	18 24	5 3	21 58	0 48	22 33	0 8	18 22	1 5	11 18	1 12	21 32	1 21	0 23	0 46	16 12	1 45	7 35	12 54	2 35	3 6	18 22	16 32	4 35		
T 29	17 56	17 32	5 0	22 1	0 39	22 27	0 6	18 9	1 5	11 20	1 12	21 32	1 21	0 23	0 46	16 12	1 45	7 35	12 54	2 31	3 5	18 22	16 32	4 35		
F 30	17 40	15 28	4 37	22 3	0 29	22 21	0 3	17 56	1 5	11 23	1 13	21 32	1 21	0 22	0 46	16 12	1 45	7 35	12 53	2 28	3 3	18 22	16 32	4 34		
S 31	17s23	12n23	3s55	22s 4	0n20	22s14	0n 0	17s42	1s 5	11n26	1n13	21n32	1s20	0s22	0n46	16n12	1s45	7n36	12s53	2s24	3s 2	18s22	16n32	4s34		

ASTRODIENST EPHEMERIS for the year 1885
geocentric

FEBRUARY 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 45 27	12 ²² 11'10	0 ¹⁷ 20	18 ³ 4	19 ³ 17	14 ³ 41	3°R12	17°R31	2°R39	20 ⁸ 32	0°R13	5°R56	7 ¹ 36	27 ³ 32	4°R22	S 1
M 2	8 49 24	13°22'00	14°31	19°17	20°32	15°29	3 ¹⁷ 5	17 ¹¹ 30	2 ¹² 38	20°32	0 ¹¹ 13	5 ¹ 52	7°33	27°38	4 ¹¹ 22	M 2
T 3	8 53 20	14°22'49	28°15	20°33	21°47	16°16	2°58	17°28	2°36	20°32	0°13	5°50	7°29	27°45	4°21	T 3
W 4	8 57 17	15°23'37	11 ¹ 32	21°49	23° 1	17° 3	2°51	17°27	2°35	20°32	0°12	5°D50	7°26	27°52	4°21	W 4
T 5	9 1 14	16°24'24	24°23	23° 8	24°16	17°51	2°44	17°25	2°33	20°32	0°12	5°51	7°23	27°59	4°20	T 5
F 6	9 5 10	17°25'11	6 ¹¹ 52	24°27	25°31	18°38	2°36	17°24	2°32	20°33	0°12	5°52	7°20	28° 5	4°20	F 6
S 7	9 9 7	18°25'56	19° 4	25°48	26°45	19°26	2°29	17°23	2°30	20°33	0°12	5°R52	7°17	28°12	4°20	S 7
S 8	9 13 3	19°26'40	1 ¹⁷ 4	27°10	28° 0	20°13	2°21	17°22	2°28	20°33	0°12	5°51	7°14	28°19	4°20	S 8
M 9	9 17 0	20°27'23	12°57	28°33	29°15	21° 1	2°14	17°21	2°27	20°33	0°12	5°49	7°10	28°25	4°19	M 9
T 10	9 20 56	21°28'05	24°48	29°57	0 ¹ 30	21°48	2° 6	17°20	2°25	20°34	0°12	5°44	7° 7	28°32	4°D19	T 10
W11	9 24 53	22°28'46	6 ¹ 40	1 ¹ 23	1°45	22°35	1°58	17°19	2°23	20°34	0°12	5°37	7° 4	28°39	4°19	W11
T 12	9 28 49	23°29'26	18°38	2°49	2°59	23°23	1°51	17°19	2°21	20°35	0°12	5°30	7° 1	28°46	4°20	T 12
F 13	9 32 46	24°30'05	0 ¹ 43	4°17	4°14	24°10	1°43	17°18	2°20	20°35	0°D12	5°21	6°58	28°52	4°20	F 13
S 14	9 36 43	25°30'42	12°58	5°45	5°29	24°58	1°35	17°18	2°18	20°36	0°12	5°14	6°55	28°59	4°20	S 14
S 15	9 40 39	26°31'17	25°23	7°15	6°44	25°45	1°27	17°17	2°16	20°36	0°12	5° 7	6°51	29° 6	4°20	S 15
M16	9 44 36	27°31'51	8 ¹ 0	8°45	7°58	26°33	1°19	17°17	2°14	20°37	0°12	5° 2	6°48	29°13	4°21	M16
T 17	9 48 32	28°32'24	20°48	10°16	9°13	27°20	1°11	17°D17	2°12	20°37	0°12	4°59	6°45	29°19	4°21	T 17
W18	9 52 29	29°32'54	3 ¹ 48	11°49	10°28	28° 7	1° 4	17°17	2°10	20°38	0°12	4°D58	6°42	29°26	4°22	W18
T 19	9 56 25	0 ¹ 33'23	17° 0	13°22	11°43	28°55	0°56	17°17	2° 8	20°39	0°12	4°59	6°39	29°33	4°22	T 19
F 20	10 0 22	1°33'50	0 ¹ 24	14°56	12°57	29°42	0°48	17°18	2° 6	20°39	0°12	5° 0	6°35	29°39	4°23	F 20
S 21	10 4 18	2°34'16	14° 2	16°32	14°12	0 ¹ 30	0°40	17°18	2° 3	20°40	0°12	5° 2	6°32	29°46	4°24	S 21
S 22	10 8 15	3°34'39	27°53	18° 8	15°27	1°17	0°32	17°19	2° 1	20°41	0°13	5°R 3	6°29	29°53	4°25	S 22
M23	10 12 11	4°35'01	11 ¹ 17	19°45	16°41	2° 5	0°24	17°19	1°59	20°42	0°13	5° 3	6°26	29°59	4°26	M23
T 24	10 16 8	5°35'20	26°14	21°23	17°56	2°52	0°16	17°20	1°57	20°42	0°13	5° 1	6°23	0 ¹ 6	4°27	T 24
W25	10 20 5	6°35'37	10 ¹ 40	23° 2	19°11	3°39	0° 8	17°21	1°55	20°43	0°13	4°59	6°20	0°13	4°28	W25
T 26	10 24 1	7°35'53	25°12	24°42	20°26	4°27	0° 1	17°22	1°52	20°44	0°14	4°55	6°16	0°20	4°29	T 26
F 27	10 27 58	8°36'06	9 ¹ 45	26°23	21°40	5°14	29 ¹ 53	17°23	1°50	20°45	0°14	4°51	6°13	0°26	4°30	F 27
S 28	10 31 54	9 ¹ 36'18	24 ¹ 11	28 ¹ 5	22 ¹ 55	6 ¹ 1	29 ¹ 45	17 ¹ 24	1 ¹ 48	20 ¹ 46	0 ¹ 14	4 ¹ 47	6 ¹ 10	0 ¹ 33	4 ¹ 31	S 28

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	17s 6	8n35	2s58	22s 3	0n11	22s 6	0s 3	17s28	1s 5	11n28	1n13	21n32	1s20	0s21	0n46	16n12	1s45	7n36	12s53	2s22	3s 1	18s22	16n32	4s34
M 2	16 49	4 23	1 52	22 2	0 2	21 58	0 5	17 14	1 5	11 31	1 13	21 32	1 20	0 20	0 46	16 12	1 45	7 36	12 53	2 20	3 0	18 22	16 32	4 34
T 3	16 32	0 4	0 41	22 0	0s 7	21 49	0 8	17 0	1 5	11 34	1 13	21 32	1 20	0 20	0 46	16 12	1 45	7 36	12 52	2 19	2 58	18 22	16 33	4 33
W 4	16 14	4s 5	0n31	21 56	0 15	21 40	0 11	16 46	1 5	11 36	1 14	21 32	1 20	0 19	0 46	16 12	1 45	7 37	12 52	2 19	2 57	18 22	16 33	4 33
T 5	15 56	7 56	1 38	21 51	0 24	21 29	0 13	16 31	1 5	11 39	1 14	21 32	1 19	0 19	0 46	16 13	1 45	7 37	12 52	2 19	2 56	18 22	16 33	4 33
F 6	15 37	11 18	2 39	21 45	0 32	21 18	0 16	16 16	1 5	11 42	1 14	21 33	1 19	0 18	0 46	16 13	1 45	7 37	12 51	2 20	2 55	18 22	16 33	4 33
S 7	15 19	14 6	3 32	21 38	0 39	21 7	0 18	16 2	1 5	11 45	1 14	21 33	1 19	0 17	0 46	16 13	1 45	7 37	12 51	2 20	2 53	18 22	16 33	4 33
S 8	15 0	16 14	4 14	21 30	0 47	20 55	0 21	15 47	1 5	11 48	1 14	21 33	1 19	0 17	0 46	16 13	1 45	7 38	12 51	2 20	2 52	18 21	16 33	4 32
M 9	14 41	17 40	4 44	21 20	0 54	20 42	0 23	15 31	1 5	11 51	1 14	21 33	1 18	0 16	0 46	16 13	1 45	7 38	12 50	2 19	2 51	18 21	16 34	4 32
T 10	14 21	18 18	5 3	21 9	1 1	20 29	0 26	15 16	1 5	11 53	1 14	21 33	1 18	0 15	0 46	16 13	1 45	7 38	12 50	2 17	2 50	18 21	16 34	4 32
W11	14 2	18 9	5 8	20 57	1 7	20 15	0 28	15 1	1 5	11 56	1 15	21 33	1 18	0 14	0 46	16 13	1 44	7 39	12 50	2 14	2 48	18 21	16 34	4 32
T 12	13 42	17 12	5 0	20 44	1 13	20 0	0 31	14 45	1 5	11 59	1 15	21 33	1 18	0 14	0 46	16 14	1 44	7 39	12 50	2 11	2 47	18 21	16 34	4 31
F 13	13 22	15 28	4 39	20 29	1 19	19 45	0 33	14 29	1 4	12 2	1 15	21 34	1 18	0 13	0 46	16 14	1 44	7 39	12 49	2 8	2 46	18 21	16 35	4 31
S 14	13 1	13 1	4 5	20 13	1 25	19 29	0 35	14 13	1 4	12 5	1 15	21 34	1 17	0 12	0 46	16 14	1 44	7 39	12 49	2 5	2 45	18 21	16 35	4 31
S 15	12 41	9 57	3 18	19 56	1 31	19 13	0 38	13 57	1 4	12 8	1 15	21 34	1 17	0 11	0 46	16 14	1 44	7 40	12 49	2 2	2 43	18 21	16 35	4 31
M16	12 20	6 23	2 21	19 37	1 36	18 56	0 40	13 41	1 4	12 11	1 15	21 34	1 17	0 11	0 46	16 14	1 44	7 40	12 48	2 0	2 42	18 21	16 35	4 30
T 17	11 59	2 29	1 16	19 17	1 40	18 38	0 42	13 24	1 4	12 14	1 15	21 34	1 17	0 10	0 46	16 15	1 44	7 40	12 48	1 59	2 41	18 21	16 36	4 30
W18	11 38	1n37	0 6	18 56	1 45	18 20	0 45	13 8	1 4	12 17	1 15	21 35	1 16	0 9	0 46	16 15	1 44	7 41	12 48	1 59	2 40	18 21	16 36	4 30
T 19	11 17	5 41	1s 5	18 33	1 49	18 2	0 47	12 51	1 4	12 20	1 15	21 35	1 16	0 8	0 46	16 15	1 44	7 41	12 47	1 59	2 38	18 21	16 36	4 30
F 20	10 55	9 31	2 14	18 9	1 53	17 43	0 49	12 35	1 4	12 22	1 16	21 35	1 16	0 7	0 47	16 15	1 44	7 41	12 47	1 59	2 37	18 21	16 37	4 30
S 21	10 34	12 55	3 17	17 44	1 56	17 23	0 51	12 18	1 4	12 25	1 16	21 35	1 16	0 6	0 47	16 16	1 44	7 42	12 47	2 0	2 36	18 21	16 37	4 29
S 22	10 12	15 38	4 10	17 17	1 59	17 3	0 53	12 1	1 4	12 28	1 16	21 36	1 15	0 6	0 47	16 16	1 44	7 42	12 47	2 0	2 35	18 20	16 38	4 29
M23	9 50	17 28	4 8	16 49	2 2	16 43	0 55	11 44	1 3	12 31	1 16	21 36	1 15	0 5	0 47	16 16	1 44	7 42	12 46	2 0	2 33	18 20	16 38	4 29
T 24	9 28	18 15	5 9	16 20	2 4	16 22	0 57	11 26	1 3	12 34	1 16	21 36	1 15	0 4	0 47	16 16	1 44	7 43	12 46	2 0	2 32	18 20	16 38	4 29
W25	9 6	17 51	5 11	15 49	2 6	16 0	0 59	11 9	1 3	12 37	1 16	21 37	1 15	0 3	0 47	16 17	1 44	7 43	12 46	1 59	2 31	18 20	16 39	4 28
T 26	8 43	16 17	4 54	15 18	2 7	15 39	1 0	10 52	1 3	12 39	1 16	21 37	1 15	0 2	0 47	16 17	1 44	7 43	12 45	1 57	2 30	18 20	16 39	4 28
F 27	8 21	13 41	4 17	14 44	2 8	15 16	1 2	10 34	1 3	12 42	1 16	21 37	1 14	0 1	0 47	16 17	1 43	7 44	12 45	1 56	2 28	18 20	16 40	4 28
S 28	7s58	10n15	3s24	14s10	2s 9	14s54	1s 4	10s17	1s 3	12n45	1n16	21n38	1s14	0s 0	0n47	16n17	1s43	7n44	12s45	1s54	2s27	18s20	16n40	4s28

Julian Day Number = 2409573.5, Delta T = -4.41 sec
Ecliptic obliquity = 23°27'06, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°08'08, Lahiri = 22°15'08

ASTRODIENST EPHEMERIS for the year 1885

geocentric

MARCH 1885

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	10 35 51	10 ^h 36'27	8 ^m 25	29 ^s 49	24 ^s 10	6 ^h 49	29°R37	17 ^h 26	1°R45	20 ^h 47	0 ^h 15	4°R44	6 ^h 7	0 ^h 40	4 ^h 33	S 1
M 2	10 39 47	11°36'35	22°23	1 ^h 33	25°24	7°36	29 ^h 030	17°27	1 ^h 43	20°48	0°15	4 ^h 43	6°4	0°47	4°34	M 2
T 3	10 43 44	12°36'41	6 ^h 0	3°18	26°39	8°23	29°22	17°28	1°41	20°49	0°15	4°D42	6°1	0°53	4°36	T 3
W 4	10 47 40	13°36'45	19°14	5°4	27°54	9°11	29°15	17°30	1°38	20°50	0°16	4°43	5°57	1°0	4°37	W 4
T 5	10 51 37	14°36'47	2 ^h 7	6°52	29°8	9°58	29°7	17°32	1°36	20°51	0°16	4°44	5°54	1°7	4°39	T 5
F 6	10 55 34	15°36'48	14°40	8°40	0 ^h 23	10°45	29°0	17°34	1°33	20°52	0°17	4°46	5°51	1°14	4°41	F 6
S 7	10 59 30	16°36'47	26°56	10°30	1°37	11°33	28°53	17°36	1°31	20°54	0°17	4°47	5°48	1°20	4°42	S 7
S 8	11 3 27	17°36'45	9 ^h 0	12°21	2°52	12°20	28°46	17°38	1°28	20°55	0°18	4°48	5°45	1°27	4°44	S 8
M 9	11 7 23	18°36'41	20°56	14°13	4°7	13°7	28°39	17°40	1°26	20°56	0°18	4°R48	5°41	1°34	4°46	M 9
T 10	11 11 20	19°36'35	2 ^h 48	16°6	5°21	13°54	28°32	17°42	1°23	20°57	0°19	4°48	5°38	1°40	4°48	T 10
W 11	11 15 16	20°36'28	14°42	18°0	6°36	14°41	28°25	17°45	1°21	20°59	0°19	4°47	5°35	1°47	4°50	W 11
T 12	11 19 13	21°36'19	26°42	19°55	7°51	15°29	28°18	17°47	1°18	21°0	0°20	4°45	5°32	1°54	4°52	T 12
F 13	11 23 9	22°36'08	8 ^h 51	21°51	9°5	16°16	28°11	17°50	1°16	21°1	0°20	4°43	5°29	2°1	4°54	F 13
S 14	11 27 6	23°35'55	21°13	23°48	10°20	17°3	28°5	17°52	1°13	21°3	0°21	4°41	5°26	2°7	4°57	S 14
S 15	11 31 3	24°35'40	3 ^h 49	25°46	11°34	17°50	27°58	17°55	1°11	21°4	0°22	4°40	5°22	2°14	4°59	S 15
M 16	11 34 59	25°35'24	16°42	27°45	12°49	18°37	27°52	17°58	1°8	21°5	0°22	4°39	5°19	2°21	5°1	M 16
T 17	11 38 56	26°35'05	29°51	29°45	14°3	19°24	27°46	18°1	1°5	21°7	0°23	4°D39	5°16	2°27	5°4	T 17
W 18	11 42 52	27°34'45	13 ^h 15	1°45	15°18	20°11	27°40	18°4	1°3	21°8	0°24	4°39	5°13	2°34	5°6	W 18
T 19	11 46 49	28°34'22	26°53	3°45	16°33	20°58	27°34	18°8	1°0	21°10	0°24	4°39	5°10	2°41	5°9	T 19
F 20	11 50 45	29°33'58	10 ^h 42	5°46	17°47	21°45	27°28	18°11	0°58	21°11	0°25	4°40	5°6	2°48	5°12	F 20
S 21	11 54 42	0 ^h 33'31	24°41	7°47	19°2	22°32	27°22	18°14	0°55	21°13	0°26	4°40	5°3	2°54	5°14	S 21
S 22	11 58 38	1°33'01	8 ^h 47	9°47	20°16	23°19	27°17	18°18	0°52	21°14	0°27	4°40	5°0	3°1	5°17	S 22
M 23	12 2 35	2°32'30	22°58	11°47	21°31	24°6	27°11	18°21	0°50	21°16	0°27	4°40	4°57	3°8	5°20	M 23
T 24	12 6 31	3°31'56	7 ^h 51	13°46	22°45	24°53	27°6	18°25	0°47	21°18	0°28	4°R41	4°54	3°15	5°23	T 24
W 25	12 10 28	4°31'20	21°23	15°44	24°0	25°40	27°1	18°29	0°44	21°19	0°29	4°D41	4°51	3°21	5°26	W 25
T 26	12 14 25	5°30'41	5 ^h 33	17°40	25°14	26°27	26°56	18°33	0°42	21°21	0°30	4°41	4°47	3°28	5°29	T 26
F 27	12 18 21	6°30'01	19°38	19°34	26°28	27°14	26°52	18°37	0°39	21°23	0°31	4°41	4°44	3°35	5°32	F 27
S 28	12 22 18	7°29'17	3 ^h 34	21°26	27°43	28°0	26°47	18°41	0°37	21°24	0°32	4°41	4°41	3°41	5°35	S 28
S 29	12 26 14	8°28'32	17°20	23°15	28°57	28°47	26°43	18°45	0°34	21°26	0°32	4°41	4°38	3°48	5°38	S 29
M 30	12 30 11	9°27'44	0 ^h 53	25°1	0 ^h 12	29°34	26°38	18°49	0°32	21°28	0°33	4°R41	4°35	3°55	5°41	M 30
T 31	12 34 7	10 ^h 26'54	14 ^h 11	26 ^h 44	1 ^h 26	0 ^h 21	26 ^h 34	18 ^h 53	0 ^h 29	21 ^h 30	0 ^h 34	4 ^h 41	4 ^h 32	4 ^h 2	5 ^h 44	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	decl	decl	decl	decl	lat
S 1	7s36	6n16	2s19	13s34	2s 9	14s30	1s 6	9s59	1s 2	12n48	1n16	21n38	1s14	0n 1	0n47	16n18	1s43	7n44	12s44	1s53	2s26	18s20	16n41	4s27			
M 2	7 13	2 0	1 7	12 56	2 9	14 7	1 7	9 41	1 2	12 50	1 16	21 38	1 14	0 2	0 47	16 18	1 43	7 45	12 44	1 52	2 25	18 20	16 41	4 27			
T 3	6 50	2s16	0n 7	12 18	2 8	13 43	1 9	9 23	1 2	12 53	1 16	21 39	1 13	0 3	0 47	16 18	1 43	7 45	12 44	1 52	2 23	18 19	16 42	4 27			
W 4	6 27	6 19	1 19	11 38	2 7	13 19	1 10	9 5	1 2	12 56	1 16	21 39	1 13	0 4	0 47	16 19	1 43	7 45	12 44	1 52	2 22	18 19	16 42	4 27			
T 5	6 4	9 56	2 25	10 56	2 6	12 54	1 12	8 47	1 2	12 58	1 16	21 39	1 13	0 5	0 47	16 19	1 43	7 46	12 43	1 53	2 21	18 19	16 43	4 27			
F 6	5 40	13 1	3 23	10 14	2 4	12 29	1 13	8 29	1 1	13 1	1 16	21 40	1 13	0 6	0 47	16 19	1 43	7 46	12 43	1 54	2 19	18 19	16 43	4 26			
S 7	5 17	15 26	4 10	9 30	2 1	12 4	1 14	8 11	1 1	13 3	1 16	21 40	1 13	0 7	0 47	16 20	1 43	7 47	12 43	1 54	2 18	18 19	16 44	4 26			
S 8	4 54	17 7	4 45	8 45	1 58	11 38	1 16	7 53	1 1	13 6	1 16	21 41	1 12	0 8	0 47	16 20	1 43	7 47	12 42	1 55	2 17	18 19	16 44	4 26			
M 9	4 30	18 2	5 7	7 59	1 54	11 12	1 17	7 34	1 1	13 8	1 16	21 41	1 12	0 9	0 47	16 21	1 43	7 47	12 42	1 55	2 16	18 19	16 45	4 26			
T 10	4 7	18 10	5 16	7 11	1 50	10 46	1 18	7 16	1 0	13 11	1 16	21 41	1 12	0 10	0 47	16 21	1 43	7 48	12 42	1 54	2 14	18 19	16 45	4 25			
W 11	3 43	17 29	5 11	6 22	1 46	10 19	1 19	6 57	1 0	13 13	1 16	21 42	1 12	0 11	0 47	16 21	1 43	7 48	12 42	1 54	2 13	18 18	16 46	4 25			
T 12	3 20	16 2	4 53	5 32	1 41	9 52	1 20	6 39	1 0	13 16	1 16	21 42	1 11	0 12	0 47	16 22	1 43	7 49	12 41	1 53	2 12	18 18	16 46	4 25			
F 13	2 56	13 51	4 22	4 41	1 35	9 25	1 21	6 20	1 0	13 18	1 16	21 43	1 11	0 13	0 47	16 22	1 43	7 49	12 41	1 53	2 11	18 18	16 47	4 25			
S 14	2 33	11 0	3 38	3 49	1 29	8 58	1 22	6 2	0 59	13 20	1 16	21 43	1 11	0 14	0 47	16 23	1 43	7 49	12 41	1 52	2 9	18 18	16 48	4 25			
S 15	2 9	7 35	2 43	2 56	1 22	8 30	1 23	5 43	0 59	13 22	1 16	21 44	1 11	0 15	0 47	16 23	1 43	7 50	12 40	1 51	2 8	18 18	16 48	4 24			
M 16	1 45	3 45	1 38	2 2	1 15	8 2	1 23	5 24	0 59	13 24	1 16	21 44	1 11	0 16	0 47	16 23	1 43	7 50	12 40	1 51	2 7	18 18	16 49	4 24			
T 17	1 22	0n21	0 27	1 7	1 7	7 34	1 24	5 6	0 59	13 27	1 16	21 45	1 10	0 17	0 47	16 24	1 43	7 50	12 40	1 51	2 6	18 17	16 49	4 24			
W 18	0 58	4 30	0s48	0 12	0 58	7 6	1 25	4 47	0 58	13 29	1 16	21 45	1 10	0 18	0 47	16 24	1 42	7 51	12 40	1 51	2 4	18 17	16 50	4 24			
T 19	0 34	8 30	2 0	0n44	0 49	6 37	1 25	4 28	0 58	13 31	1 16	21 46	1 10	0 19	0 47	16 25	1 42	7 51	12 39	1 51	2 3	18 17	16 51	4 24			
F 20	0 10	12 5	3 7	1 41	0 40	6 9	1 26	4 9	0 58	13 33	1 16	21 46	1 10	0 20	0 47	16 25	1 42	7 52	12 39	1 51	2 2	18 17	16 51	4 23			
S 21	0n13	15 1	4 3	2 38	0 30	5 40	1 26	3 50	0 57	13 34	1 16	21 47	1 10	0 21	0 47	16 26	1 42	7 52	12 39	1 51	2 1	18 17	16 52	4 23			
S 22	0 37	17 5	4 45	3 35	0 20	5 11	1 27	3 32	0 57	13 36	1 16	21 47	1 9	0 22	0 47	16 26	1 42	7 52	12 39	1 51	1 59	18 17	16 53	4 23			
M 23	1 1	18 6	5 11	4 32	0 9	4 42	1 27	3 13	0 57	13 38	1 15	21 48	1 9	0 23	0 47	16 27	1 42	7 53	12 38	1 52	1 58	18 16	16 53	4 23			
T 24	1 24	17 59	5 17	5 28	0n 2	4 13	1 27	2 54	0 56	13 40	1 15	21 48	1 9	0 24	0 47	16 27	1 42	7 53	12 38	1 52	1 57	18 16	16 54	4 23			
W 25	1 48	16 45	5 4	6 24	0 14	3 43	1 27	2 35	0 56	13 41	1 15	21 49	1 9	0 25	0 47	16 27	1 42	7 54	12 38	1 52	1 56	18 16	16 55	4 22			
T 26	2 11	14 29	4 32	7 20	0 25	3 14	1 28	2 16	0 56	13 43	1 15	21 49	1 9	0 26	0 47	16 28	1 42	7 54	12 38	1 52	1 54	18 16	16 55	4 22			
F 27	2 35	11 23	3 45	8 14	0 37	2 44	1 28	1 57	0 55	13 45	1 15	21 50	1 8	0 27	0 47	16 28	1 42	7 55	12 37	1 52	1 53	18 16	16 56	4 22			
S 28	2 58	7 39	2 44	9 7	0 49	2 15	1 28	1 38	0 55	13 46	1 15	21 50	1 8	0 28	0 47	16 29	1 42	7 55	12 37	1 52	1 52	18 15	16 57	4 22			
S 29	3 22	3 33	1 35	9 59	1 1	1 45	1 27	1 19	0 55	13 47	1 15	21 51	1 8	0 29	0 47	16 29	1 42	7 55	12 37	1 52	1 50	18 15	16 58	4 22			
M 30	3 45	0s40	0 21	10 49	1 13	1 15	1 27	1 0	0 54	13 49	1 15	21 51	1 8	0 30	0 47	16 30	1 42	7 56	12 37	1 52	1 49	18 15	16 58	4 22			
T 31	4n 8	4s47	0n52	11n38	1n25	0s46	1s27	0s41	0s54	13n50	1n15	21n52	1s 8	0n31	0n47	16n30	1s42	7n56	12s36	1s52	1s48	18s15	16n59	4s21			

ASTRODIENST EPHEMERIS for the year 1885

geocentric

APRIL 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 38 4	11°26'03	27°13	28°22	2°40	1°7	26°R30	18°II58	0°R26	21°831	0°II35	4°R41	4°28	4°8	5°II48	W 1
T 2	12 42 0	12°25'09	9°II58	29°56	3°55	1°54	26°Q27	19° 2	0°24	21°33	0°36	4°40	4°25	4°15	5°51	T 2
F 3	12 45 57	13°24'13	22°28	1°826	5° 9	2°40	26°23	19° 7	0°21	21°35	0°37	4°39	4°22	4°22	5°54	F 3
S 4	12 49 54	14°23'16	4°744	2°50	6°23	3°27	26°20	19°12	0°19	21°37	0°38	4°38	4°19	4°28	5°58	S 4
S 5	12 53 50	15°22'16	16°49	4° 9	7°38	4°13	26°17	19°16	0°16	21°39	0°39	4°36	4°16	4°35	6° 1	S 5
M 6	12 57 47	16°21'15	28°46	5°23	8°52	5° 0	26°14	19°21	0°14	21°41	0°40	4°35	4°12	4°42	6° 5	M 6
T 7	13 1 43	17°20'13	10°339	6°32	10° 6	5°46	26°11	19°26	0°11	21°43	0°41	4°35	4° 9	4°49	6° 9	T 7
W 8	13 5 40	18°19'08	22°33	7°34	11°21	6°33	26° 8	19°31	0° 9	21°45	0°42	4°D35	4° 6	4°55	6°12	W 8
T 9	13 9 36	19°18'02	4°33	8°30	12°35	7°19	26° 6	19°36	0° 7	21°47	0°43	4°35	4° 3	5° 2	6°16	T 9
F 10	13 13 33	20°16'53	16°43	9°21	13°49	8° 5	26° 3	19°41	0° 4	21°49	0°44	4°36	4° 0	5° 9	6°20	F 10
S 11	13 17 29	21°15'44	29° 7	10° 5	15° 4	8°52	26° 1	19°47	0° 2	21°51	0°45	4°38	3°57	5°16	6°23	S 11
S 12	13 21 26	22°14'32	11°49	10°43	16°18	9°38	25°59	19°52	29°59	21°53	0°46	4°39	3°53	5°22	6°27	S 12
M13	13 25 23	23°13'18	24°51	11°14	17°32	10°24	25°57	19°57	29°57	21°55	0°47	4°40	3°50	5°29	6°31	M13
T 14	13 29 19	24°12'03	8°Y15	11°39	18°46	11°10	25°56	20° 3	29°55	21°57	0°49	4°R40	3°47	5°36	6°35	T 14
W15	13 33 16	25°10'46	22° 1	11°58	20° 1	11°57	25°55	20° 8	29°52	21°59	0°50	4°39	3°44	5°42	6°39	W15
T 16	13 37 12	26° 9'26	6°8 4	12°11	21°15	12°43	25°53	20°14	29°50	22° 1	0°51	4°37	3°41	5°49	6°43	T 16
F 17	13 41 9	27° 8'05	20°23	12°17	22°29	13°29	25°52	20°19	29°48	22° 3	0°52	4°35	3°37	5°56	6°47	F 17
S 18	13 45 5	28° 6'42	4°II50	12°R18	23°43	14°15	25°51	20°25	29°46	22° 5	0°53	4°32	3°34	6° 3	6°51	S 18
S 19	13 49 2	29° 5'17	19°21	12°12	24°57	15° 1	25°51	20°31	29°44	22° 7	0°54	4°28	3°31	6° 9	6°55	S 19
M20	13 52 58	0°8 3'49	3°50	12° 1	26°12	15°47	25°50	20°37	29°41	22° 9	0°55	4°26	3°28	6°16	7° 0	M20
T 21	13 56 55	1° 2'20	18°11	11°45	27°26	16°33	25°50	20°43	29°39	22°11	0°57	4°24	3°25	6°23	7° 4	T 21
W22	14 0 52	2° 0'48	2°Q23	11°24	28°40	17°18	25°D50	20°49	29°37	22°13	0°58	4°D23	3°22	6°30	7° 8	W22
T 23	14 4 48	2°59'14	16°22	10°58	29°54	18° 4	25°50	20°55	29°35	22°15	0°59	4°24	3°18	6°36	7°12	T 23
F 24	14 8 45	3°57'38	0°17 8	10°29	1°8 8	18°50	25°51	21° 1	29°33	22°18	1° 0	4°25	3°15	6°43	7°17	F 24
S 25	14 12 41	4°55'59	13°41	9°56	2°22	19°36	25°51	21° 7	29°31	22°20	1° 2	4°27	3°12	6°50	7°21	S 25
S 26	14 16 38	5°54'19	27° 1	9°21	3°36	20°21	25°52	21°13	29°29	22°22	1° 3	4°28	3° 9	6°56	7°25	S 26
M27	14 20 34	6°52'36	10°9 9	8°44	4°50	21° 7	25°53	21°20	29°27	22°24	1° 4	4°R28	3° 6	7° 3	7°30	M27
T 28	14 24 31	7°50'52	23° 4	8° 5	6° 4	21°53	25°54	21°26	29°26	22°26	1° 5	4°27	3° 3	7°10	7°34	T 28
W29	14 28 27	8°49'05	5°II48	7°26	7°18	22°38	25°55	21°32	29°24	22°29	1° 7	4°23	2°59	7°17	7°39	W29
T 30	14 32 24	9°47'17	18°II20	6°847	8°832	23°Y24	25°Q56	21°II39	29°1722	22°831	1°II 8	4°419	2°456	7°23	7°II43	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
W 1	4n32	8s36	2n 2	12n24	1n36	0s16	1s27	0s22	0s53	13n51	1n15	21n52	1 s 7	0n32	0n47	16n31	1s42	7n57	12s36	1s52	1s47	18s15	17n 0	4s21	
T 2	4 55	11 55	3 3	13 8	1 47	0n14	1 26	0 3	0 53	13 53	1 15	21 53	1 7	0 33	0 47	16 31	1 42	7 57	12 36	1 51	1 45	18 14	17 0	4 21	
F 3	5 18	14 37	3 55	13 49	1 58	0 44	1 26	0n15	0 53	13 54	1 14	21 54	1 7	0 34	0 47	16 32	1 42	7 57	12 36	1 51	1 44	18 14	17 1	4 21	
S 4	5 41	16 36	4 34	14 28	2 8	1 14	1 26	0 34	0 52	13 55	1 14	21 54	1 7	0 35	0 47	16 32	1 42	7 58	12 35	1 50	1 43	18 14	17 2	4 21	
S 5	6 3	17 48	5 1	15 4	2 17	1 44	1 25	0 53	0 52	13 56	1 14	21 55	1 7	0 36	0 47	16 33	1 42	7 58	12 35	1 50	1 42	18 14	17 3	4 21	
M 6	6 26	18 12	5 15	15 37	2 26	2 13	1 24	1 12	0 51	13 57	1 14	21 55	1 6	0 37	0 47	16 33	1 42	7 59	12 35	1 49	1 40	18 14	17 3	4 21	
T 7	6 49	17 48	5 15	16 7	2 34	2 43	1 24	1 31	0 51	13 57	1 14	21 56	1 6	0 38	0 47	16 34	1 42	7 59	12 35	1 49	1 39	18 13	17 4	4 20	
W 8	7 11	16 37	5 1	16 35	2 41	3 13	1 23	1 50	0 51	13 58	1 14	21 56	1 6	0 39	0 47	16 35	1 42	7 59	12 35	1 49	1 38	18 13	17 5	4 20	
T 9	7 34	14 42	4 34	16 59	2 47	3 43	1 22	2 8	0 50	13 59	1 14	21 57	1 6	0 40	0 47	16 35	1 42	8 0	12 34	1 49	1 37	18 13	17 6	4 20	
F 10	7 56	12 6	3 55	17 20	2 52	4 12	1 21	2 27	0 50	14 0	1 14	21 58	1 6	0 41	0 47	16 36	1 41	8 0	12 34	1 50	1 35	18 13	17 6	4 20	
S 11	8 18	8 55	3 4	17 38	2 57	4 42	1 21	2 46	0 49	14 0	1 13	21 58	1 5	0 42	0 47	16 36	1 41	8 1	12 34	1 50	1 34	18 12	17 7	4 20	
S 12	8 40	5 15	2 3	17 53	3 0	5 11	1 20	3 4	0 49	14 1	1 13	21 59	1 5	0 43	0 47	16 37	1 41	8 1	12 34	1 51	1 33	18 12	17 8	4 20	
M13	9 2	1 13	0 54	18 5	3 1	5 41	1 19	3 23	0 48	14 1	1 13	21 59	1 5	0 44	0 47	16 37	1 41	8 1	12 34	1 51	1 32	18 12	17 9	4 20	
T 14	9 23	2n58	0s20	18 13	3 2	6 10	1 18	3 41	0 48	14 2	1 13	22 0	1 5	0 45	0 46	16 38	1 41	8 2	12 33	1 51	1 30	18 12	17 9	4 19	
W15	9 45	7 7	1 34	18 19	3 1	6 39	1 16	4 0	0 48	14 2	1 13	22 1	1 5	0 46	0 46	16 38	1 41	8 2	12 33	1 51	1 29	18 11	17 10	4 19	
T 16	10 6	10 58	2 44	18 21	2 59	7 8	1 15	4 18	0 47	14 2	1 13	22 1	1 5	0 47	0 46	16 39	1 41	8 3	12 33	1 50	1 28	18 11	17 11	4 19	
F 17	10 27	14 14	3 46	18 19	2 56	7 37	1 14	4 36	0 47	14 2	1 13	22 2	1 4	0 47	0 46	16 39	1 41	8 3	12 33	1 49	1 27	18 11	17 12	4 19	
S 18	10 48	16 38	4 33	18 15	2 51	8 5	1 13	4 55	0 46	14 3	1 12	22 2	1 4	0 48	0 46	16 40	1 41	8 3	12 33	1 48	1 25	18 11	17 12	4 19	
S 19	11 9	17 59	5 3	18 7	2 45	8 34	1 11	5 13	0 46	14 3	1 12	22 3	1 4	0 49	0 46	16 41	1 41	8 4	12 32	1 47	1 24	18 10	17 13	4 19	
M20	11 30	18 10	5 14	17 57	2 38	9 2	1 10	5 31	0 45	14 3	1 12	22 3	1 4	0 50	0 46	16 41	1 41	8 4	12 32	1 46	1 23	18 10	17 14	4 19	
T 21	11 50	17 11	5 5	17 43	2 29	9 30	1 9	5 49	0 45	14 3	1 12	22 4	1 4	0 51	0 46	16 42	1 41	8 5	12 32	1 45	1 21	18 10	17 15	4 19	
W22	12 11	15 8	4 37	17 27	2 19	9 58	1 7	6 7	0 44	14 3	1 12	22 5	1 4	0 52	0 46	16 42	1 41	8 5	12 32	1 45	1 20	18 10	17 16	4 19	
T 23	12 31	12 13	3 54	17 8	2 7	10 25	1 6	6 25	0 44	14 2	1 12	22 5	1 3	0 52	0 46	16 43	1 41	8 5	12 32	1 45	1 19	18 9	17 16	4 19	
F 24	12 51	8 40	2 57	16 47	1 54	10 53	1 4	6 43	0 43	14 2	1 12	22 6	1 3	0 53	0 46	16 43	1 41	8 6	12 32	1 45	1 18	18 9	17 17	4 19	
S 25	13 10	4 42	1 51	16 24	1 41	11 20	1 2	7 1	0 43	14 2	1 11	22 6	1 3	0 54	0 46	16 44	1 41	8 6	12 31	1 46	1 16	18 9	17 18	4 18	
S 26	13 30	0 34	0 41	15 58	1 26	11 46	1 1	7 18	0 42	14 1	1 11	22 7	1 3	0 55	0 46	16 45	1 41	8 6	12 31	1 47	1 15	18 9	17 19	4 18	
M27	13 49	3s33	0n31	15 32	1 10	12 13	0 59	7 36	0 42	14 1	1 11	22 7	1 3	0 55	0 46	16 45	1 41	8 7	12 31	1 47	1 14	18 8	17 19	4 18	
T 28	14 8	7 26	1 40	15 4	0 54	12 39	0 57	7 54	0 41	14 1	1 11	22 8	1 3	0 56	0 46	16 46	1 41	8 7	12 31	1 46	1 13	18 8	17 20	4 18	
W29	14 27	10 54	2 43	14 35	0 37	13 5	0 55	8 11	0 41	14 0	1 11	22 9	1 2	0 57	0 46	16 46	1 41	8 8	12 31	1 45	1 11	18 8	17 21	4 18	
T 30	14n45	13s50	3n36	14n 6	0n20	13n31	0s53	8n28	0s40	13n59	1n11	22n 9	1 s 2	0n57	0n46	16n47	1s41	8n 8	12s31	1s43	1s10	18s 7	17n22	4s18	

ASTRODIENST EPHEMERIS for the year 1885

geocentric

MAY 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 36 20	10♌45'28	0♈40	6°R 9	9♎46	24♏9	25♏58	21♏45	29°R20	22♏33	1♏9	4°R13	2♏53	7♏30	7♏48	F 1
S 2	14 40 17	11°43'37	12°51	5♏32	11° 0	24°54	26° 0	21°52	29♏18	22°35	1°10	4♏6	2°50	7°37	7°52	S 2
S 3	14 44 14	12°41'44	24°53	4°57	12°14	25°40	26° 2	21°59	29°17	22°37	1°12	3°59	2°47	7°43	7°57	S 3
M 4	14 48 10	13°39'49	6♏48	4°25	13°28	26°25	26° 4	22° 5	29°15	22°40	1°13	3°53	2°43	7°50	8° 1	M 4
T 5	14 52 7	14°37'53	18°41	3°56	14°42	27°10	26° 6	22°12	29°14	22°42	1°14	3°48	2°40	7°57	8° 6	T 5
W 6	14 56 3	15°35'56	0♏34	3°31	15°56	27°55	26° 8	22°19	29°12	22°44	1°16	3°45	2°37	8° 4	8°11	W 6
T 7	15 0 0	16°33'57	12°32	3° 9	17°10	28°41	26°11	22°25	29°11	22°46	1°17	3°D44	2°34	8°10	8°15	T 7
F 8	15 3 56	17°31'57	24°40	2°52	18°24	29°26	26°14	22°32	29° 9	22°49	1°18	3°44	2°31	8°17	8°20	F 8
S 9	15 7 53	18°29'56	7♏2	2°39	19°38	0♏11	26°17	22°39	29° 8	22°51	1°20	3°45	2°28	8°24	8°25	S 9
S 10	15 11 49	19°27'53	19°44	2°31	20°52	0°56	26°20	22°46	29° 6	22°53	1°21	3°47	2°24	8°31	8°29	S 10
M 11	15 15 46	20°25'49	2♏48	2°D27	22° 6	1°41	26°23	22°53	29° 5	22°55	1°22	3°R47	2°21	8°37	8°34	M 11
T 12	15 19 43	21°23'44	16°19	2°28	23°20	2°26	26°27	23° 0	29° 4	22°58	1°24	3°47	2°18	8°44	8°39	T 12
W 13	15 23 39	22°21'37	0♏16	2°33	24°34	3°10	26°30	23° 7	29° 2	23° 0	1°25	3°44	2°15	8°51	8°44	W 13
T 14	15 27 36	23°19'29	14°37	2°43	25°47	3°55	26°34	23°14	29° 1	23° 2	1°26	3°39	2°12	8°57	8°49	T 14
F 15	15 31 32	24°17'20	29°18	2°57	27° 1	4°40	26°38	23°22	29° 0	23° 4	1°28	3°33	2° 9	9° 4	8°53	F 15
S 16	15 35 29	25°15'09	14♏11	3°16	28°15	5°25	26°42	23°29	28°59	23° 7	1°29	3°25	2° 5	9°11	8°58	S 16
S 17	15 39 25	26°12'57	29° 8	3°40	29°29	6° 9	26°47	23°36	28°58	23° 9	1°30	3°17	2° 2	9°18	9° 3	S 17
M 18	15 43 22	27°10'43	14♏0	4° 7	0♏43	6°54	26°51	23°43	28°57	23°11	1°32	3°10	1°59	9°24	9° 8	M 18
T 19	15 47 18	28° 8'28	28°38	4°39	1°57	7°38	26°56	23°50	28°56	23°13	1°33	3° 5	1°56	9°31	9°13	T 19
W 20	15 51 15	29° 6'11	12♏59	5°15	3°10	8°23	27° 1	23°58	28°55	23°16	1°34	3° 2	1°53	9°38	9°18	W 20
T 21	15 55 12	0♏3'52	26°59	5°54	4°24	9° 7	27° 6	24° 5	28°54	23°18	1°36	3°D 0	1°49	9°44	9°23	T 21
F 22	15 59 8	1° 1'31	10♏39	6°38	5°38	9°52	27°11	24°13	28°53	23°20	1°37	3° 1	1°46	9°51	9°28	F 22
S 23	16 3 5	1°59'09	24° 0	7°25	6°52	10°36	27°16	24°20	28°53	23°22	1°38	3° 1	1°43	9°58	9°33	S 23
S 24	16 7 1	2°56'46	7♏3	8°15	8° 6	11°20	27°22	24°27	28°52	23°25	1°40	3°R 2	1°40	10° 5	9°37	S 24
M 25	16 10 58	3°54'21	19°52	9° 9	9°19	12° 4	27°27	24°35	28°51	23°27	1°41	3° 0	1°37	10°11	9°42	M 25
T 26	16 14 54	4°51'55	2♏28	10° 7	10°33	12°48	27°33	24°42	28°51	23°29	1°43	2°57	1°34	10°18	9°47	T 26
W 27	16 18 51	5°49'27	14°55	11° 8	11°47	13°33	27°39	24°50	28°50	23°31	1°44	2°50	1°30	10°25	9°52	W 27
T 28	16 22 47	6°46'58	27°12	12°11	13° 1	14°17	27°45	24°57	28°50	23°33	1°45	2°42	1°27	10°32	9°57	T 28
F 29	16 26 44	7°44'28	9♏22	13°18	14°14	15° 0	27°51	25° 5	28°49	23°36	1°47	2°31	1°24	10°38	10° 2	F 29
S 30	16 30 41	8°41'58	21°24	14°28	15°28	15°44	27°57	25°13	28°49	23°38	1°48	2°19	1°21	10°45	10° 7	S 30
S 31	16 34 37	9♏39'26	3♏22	15♏41	16♏42	16♏28	28♏3	25♏20	28♏49	23♏40	1♏49	2♏7	1♏18	10♏52	10♏12	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	15n 4	16s 5	4n19	13n37	0n 3	13n56	0s52	8n45	0s40	13n59	1n11	22n10	1s 2	0n58	0n46	16n47	1s41	8n 8	12s31	1s40	1s 9	18s 7	17n22	4s18	
S 2	15 22	17 34	4 49	13 9	0s14	14 21	0 50	9 3	0 39	13 58	1 10	22 10	1 2	0 59	0 46	16 48	1 41	8 9	12 31	1 38	1 8	18 7	17 23	4 18	
S 3	15 39	18 15	5 6	12 41	0 32	14 46	0 48	9 20	0 38	13 57	1 10	22 11	1 2	0 59	0 46	16 49	1 41	8 9	12 30	1 35	1 6	18 6	17 24	4 18	
M 4	15 57	18 8	5 9	12 14	0 48	15 10	0 46	9 37	0 38	13 56	1 10	22 11	1 2	1 0	0 46	16 49	1 41	8 9	12 30	1 33	1 5	18 6	17 25	4 18	
T 5	16 14	17 12	4 59	11 49	1 5	15 34	0 44	9 53	0 37	13 55	1 10	22 12	1 2	1 1	0 46	16 50	1 41	8 10	12 30	1 31	1 4	18 6	17 25	4 18	
W 6	16 31	15 32	4 37	11 26	1 21	15 57	0 42	10 10	0 37	13 54	1 10	22 12	1 1	1 1	0 46	16 50	1 41	8 10	12 30	1 30	1 3	18 6	17 26	4 18	
T 7	16 48	13 11	4 2	11 4	1 36	16 20	0 39	10 27	0 36	13 53	1 10	22 13	1 1	1 2	0 46	16 51	1 41	8 10	12 30	1 29	1 1	18 5	17 27	4 18	
F 8	17 4	10 14	3 16	10 45	1 50	16 43	0 37	10 43	0 36	13 52	1 10	22 13	1 1	1 2	0 46	16 51	1 41	8 11	12 30	1 29	1 0	18 5	17 28	4 18	
S 9	17 20	6 46	2 20	10 28	2 3	17 5	0 35	11 0	0 35	13 51	1 9	22 14	1 1	1 3	0 46	16 52	1 41	8 11	12 30	1 30	0 59	18 5	17 28	4 18	
S 10	17 36	2 55	1 15	10 13	2 16	17 27	0 33	11 16	0 35	13 50	1 9	22 14	1 1	1 3	0 46	16 53	1 41	8 11	12 30	1 30	0 57	18 4	17 29	4 18	
M11	17 52	1n12	0 5	10 1	2 28	17 48	0 31	11 32	0 34	13 49	1 9	22 15	1 1	1 4	0 46	16 53	1 41	8 12	12 30	1 30	0 56	18 4	17 30	4 18	
T 12	18 7	5 23	1s 7	9 51	2 38	18 9	0 29	11 48	0 33	13 47	1 9	22 15	1 1	1 4	0 46	16 54	1 41	8 12	12 30	1 30	0 55	18 4	17 31	4 18	
W13	18 22	9 25	2 18	9 44	2 48	18 30	0 26	12 4	0 33	13 46	1 9	22 16	1 0	1 5	0 46	16 54	1 41	8 12	12 29	1 29	0 54	18 3	17 31	4 18	
T 14	18 37	13 1	3 22	9 39	2 57	18 50	0 24	12 20	0 32	13 44	1 9	22 16	1 0	1 5	0 46	16 55	1 41	8 13	12 29	1 27	0 52	18 3	17 32	4 18	
F 15	18 51	15 53	4 14	9 37	3 4	19 9	0 22	12 35	0 32	13 43	1 8	22 17	1 0	1 6	0 46	16 55	1 41	8 13	12 29	1 25	0 51	18 3	17 33	4 18	
S 16	19 5	17 44	4 49	9 37	3 11	19 28	0 19	12 51	0 31	13 41	1 8	22 17	1 0	1 6	0 46	16 56	1 41	8 13	12 29	1 21	0 50	18 2	17 34	4 18	
S 17	19 19	18 22	5 5	9 39	3 17	19 46	0 17	13 6	0 30	13 40	1 8	22 18	1 0	1 6	0 45	16 56	1 41	8 14	12 29	1 18	0 49	18 2	17 34	4 18	
M18	19 32	17 44	5 1	9 44	3 22	20 4	0 15	13 21	0 30	13 38	1 8	22 18	1 0	1 7	0 45	16 57	1 41	8 14	12 29	1 16	0 47	18 2	17 35	4 18	
T 19	19 45	15 56	4 36	9 51	3 26	20 22	0 12	13 36	0 29	13 36	1 8	22 19	1 0	1 7	0 45	16 58	1 41	8 14	12 29	1 14	0 46	18 1	17 36	4 18	
W20	19 58	13 10	3 55	10 0	3 29	20 38	0 10	13 51	0 29	13 35	1 8	22 19	1 0	1 7	0 45	16 58	1 41	8 15	12 29	1 12	0 45	18 1	17 36	4 18	
T 21	20 10	9 42	3 1	10 11	3 31	20 55	0 8	14 6	0 28	13 33	1 8	22 20	0 59	1 8	0 45	16 59	1 41	8 15	12 29	1 12	0 44	18 1	17 37	4 18	
F 22	20 22	5 46	1 57	10 24	3 32	21 10	0 5	14 21	0 27	13 31	1 7	22 20	0 59	1 8	0 45	16 59	1 41	8 15	12 29	1 12	0 42	18 0	17 38	4 18	
S 23	20 34	1 39	0 48	10 38	3 33	21 25	0 3	14 35	0 27	13 29	1 7	22 21	0 59	1 8	0 45	17 0	1 41	8 16	12 29	1 12	0 41	18 0	17 38	4 18	
S 24	20 46	2s28	0n22	10 55	3 32	21 40	0 0	14 49	0 26	13 27	1 7	22 21	0 59	1 8	0 45	17 0	1 41	8 16	12 29	1 12	0 40	18 0	17 39	4 18	
M25	20 56	6 24	1 29	11 13	3 31	21 54	0n 2	15 4	0 26	13 25	1 7	22 22	0 59	1 9	0 45	17 1	1 41	8 16	12 29	1 12	0 38	17 59	17 40	4 18	
T 26	21 7	9 59	2 30	11 33	3 29	22 7	0 4	15 18	0 25	13 23	1 7	22 22	0 59	1 9	0 45	17 1	1 41	8 16	12 29	1 10	0 37	17 59	17 40	4 18	
W27	21 17	13 4	3 24	11 54	3 27	22 19	0 7	15 32	0 24	13 21	1 7	22 22	0 59	1 9	0 45	17 2	1 41	8 17	12 29	1 8	0 36	17 58	17 41	4 18	
T 28	21 27	15 32	4 7	12 16	3 23	22 31	0 9	15 45	0 24	13 18	1 7	22 23	0 59	1 9	0 45	17 3	1 41	8 17	12 29	1 4	0 35	17 58	17 42	4 18	
F 29	21 37	17 17	4 38	12 40	3 19	22 43	0 12	15 59	0 23	13 16	1 7	22 23	0 59	1 9	0 45	17 3	1 41	8 17	12 29	1 0	0 33	17 58	17 42	4 18	
S 30	21 46	18 14	4 57	13 5	3 15	22 53	0 14	16 12	0 22	13 14	1 6	22 23	0 58	1 9	0 45	17 4	1 41	8 17	12 29	0 55	0 32	17 57	17 43	4 19	
S 31	21n55	18s23	5n 2	13n31	3s 9	23n 3	0n16	16n25	0s22	13n11	1n 6	22n24	0s58	1n10	0n45	17n 4	1s41	8n18	12s29	0s50	0s31	17s57	17n44	4s19	

ASTRODIENST EPHEMERIS for the year 1885

geocentric

JUNE 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 38 34	10 ^{II} 36°53	15 ^{III} 15	16 ^{III} 57	17 ^{II} 55	17 ^{III} 12	28 ^{II} 10	25 ^{II} 28	28°R48	23 ^{III} 42	1 ^{II} 51	1°R56	1 ^{II} 15	10 ^{III} 58	10 ^{II} 17	M 1
T 2	16 42 30	11°34'19	27° 7	18°16	19° 9	17°56	28°17	25°35	28 ^{III} 48	23°44	1°52	1 ^{II} 46	1°11	11° 5	10°22	T 2
W 3	16 46 27	12°31'45	8 ^{III} 59	19°38	20°23	18°40	28°24	25°43	28°48	23°46	1°53	1°39	1° 8	11°12	10°27	W 3
T 4	16 50 23	13°29'10	20°56	21° 2	21°36	19°23	28°31	25°51	28°48	23°49	1°55	1°35	1° 5	11°19	10°32	T 4
F 5	16 54 20	14°26'34	3 ^{III} 2	22°30	22°50	20° 7	28°38	25°59	28°48	23°51	1°56	1°32	1° 2	11°25	10°37	F 5
S 6	16 58 16	15°23'57	15°22	24° 0	24° 4	20°50	28°45	26° 6	28°D48	23°53	1°57	1°D32	0°59	11°32	10°42	S 6
S 7	17 2 13	16°21'20	28° 0	25°33	25°17	21°34	28°52	26°14	28°48	23°55	1°59	1°R32	0°55	11°39	10°47	S 7
M 8	17 6 10	17°18'43	11 ^{III} 1	27° 8	26°31	22°17	29° 0	26°22	28°48	23°57	2° 0	1°32	0°52	11°45	10°52	M 8
T 9	17 10 6	18°16'04	24°30	28°46	27°45	23° 1	29° 7	26°29	28°48	23°59	2° 1	1°30	0°49	11°52	10°57	T 9
W10	17 14 3	19°13'26	8 ^{III} 27	0 ^{II} 27	28°58	23°44	29°15	26°37	28°48	24° 1	2° 3	1°26	0°46	11°59	11° 2	W10
T 11	17 17 59	20°10'47	22°53	2°11	0 ^{III} 12	24°27	29°23	26°45	28°48	24° 3	2° 4	1°19	0°43	12° 6	11° 7	T 11
F 12	17 21 56	21° 8'07	7 ^{II} 44	3°57	1°26	25°10	29°31	26°53	28°49	24° 5	2° 5	1°11	0°40	12°12	11°12	F 12
S 13	17 25 52	22° 5'27	22°52	5°46	2°39	25°53	29°39	27° 1	28°49	24° 7	2° 7	1° 0	0°36	12°19	11°17	S 13
S 14	17 29 49	23° 2'47	8 ^{III} 6	7°37	3°53	26°36	29°47	27° 8	28°50	24°10	2° 8	0°50	0°33	12°26	11°22	S 14
M15	17 33 45	24° 0'05	23°17	9°31	5° 6	27°19	29°55	27°16	28°50	24°12	2° 9	0°40	0°30	12°33	11°27	M15
T 16	17 37 42	24°57'23	8 ^{III} 13	11°28	6°20	28° 2	0 ^{III} 4	27°24	28°51	24°14	2°10	0°32	0°27	12°39	11°31	T 16
W17	17 41 39	25°54'40	22°48	13°26	7°34	28°45	0°12	27°32	28°51	24°16	2°12	0°27	0°24	12°46	11°36	W17
T 18	17 45 35	26°51'56	6 ^{III} 57	15°27	8°47	29°28	0°21	27°40	28°52	24°18	2°13	0°24	0°20	12°53	11°41	T 18
F 19	17 49 32	27°49'12	20°40	17°30	10° 1	0 ^{III} 11	0°30	27°47	28°52	24°19	2°14	0°23	0°17	12°59	11°46	F 19
S 20	17 53 28	28°46'26	3 ^{III} 58	19°35	11°14	0°54	0°39	27°55	28°53	24°21	2°15	0°23	0°14	13° 6	11°51	S 20
S 21	17 57 25	29°43'40	16°56	21°41	12°28	1°36	0°48	28° 3	28°54	24°23	2°17	0°23	0°11	13°13	11°56	S 21
M22	18 1 21	0 ^{III} 40'54	29°35	23°49	13°42	2°19	0°57	28°11	28°55	24°25	2°18	0°21	0° 8	13°20	12° 1	M22
T 23	18 5 18	1°38'07	12 ^{III} 0	25°58	14°55	3° 1	1° 6	28°19	28°56	24°27	2°19	0°16	0° 5	13°26	12° 5	T 23
W24	18 9 14	2°35'19	24°14	28° 8	16° 9	3°44	1°15	28°26	28°57	24°29	2°20	0° 9	0° 1	13°33	12°10	W24
T 25	18 13 11	3°32'31	6 ^{III} 21	0 ^{III} 19	17°22	4°26	1°25	28°34	28°58	24°31	2°21	29 ^{III} 59	29 ^{III} 58	13°40	12°15	T 25
F 26	18 17 8	4°29'42	18°21	2°30	18°36	5° 9	1°34	28°42	28°59	24°33	2°23	29°47	29°55	13°46	12°20	F 26
S 27	18 21 4	5°26'54	0 ^{III} 18	4°41	19°49	5°51	1°44	28°50	29° 0	24°34	2°24	29°34	29°52	13°53	12°24	S 27
S 28	18 25 1	6°24'05	12°11	6°52	21° 3	6°33	1°53	28°58	29° 1	24°36	2°25	29°20	29°49	14° 0	12°29	S 28
M29	18 28 57	7°21'16	24° 3	9° 2	22°16	7°15	2° 3	29° 5	29° 2	24°38	2°26	29° 7	29°46	14° 7	12°34	M29
T 30	18 32 54	8 ^{III} 18'26	5 ^{III} 56	11 ^{III} 12	23 ^{III} 30	7 ^{II} 57	2 ^{III} 13	29 ^{II} 13	29 ^{III} 3	24 ^{III} 40	2 ^{II} 27	28 ^{III} 56	29 ^{III} 42	14 ^{III} 13	12 ^{II} 38	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	22n 3	17s43	4n54	13n58	3s 4	23n13	0n19	16n38	0s21	13n 9	1n 6	22n24	0s58	1n10	0n45	17n 5
T 2	22 11	16 16	4 33	14 26	2 57	23 21	0 21	16 51	0 20	13 7	1 6	22 25	0 58	1 10	0 45	17 5
W 3	22 19	14 9	4 1	14 55	2 50	23 29	0 23	17 4	0 20	13 4	1 6	22 25	0 58	1 10	0 45	17 6
T 4	22 26	11 24	3 18	15 25	2 43	23 37	0 26	17 17	0 19	13 2	1 6	22 25	0 58	1 10	0 45	17 6
F 5	22 33	8 8	2 25	15 55	2 35	23 43	0 28	17 29	0 18	12 59	1 6	22 26	0 58	1 10	0 45	17 7
S 6	22 39	4 28	1 25	16 25	2 26	23 49	0 30	17 41	0 18	12 56	1 6	22 26	0 58	1 10	0 45	17 7
S 7	22 45	0 31	0 19	16 56	2 17	23 55	0 33	17 53	0 17	12 54	1 5	22 26	0 58	1 10	0 45	17 8
M 8	22 51	3n36	0s50	17 27	2 8	23 59	0 35	18 5	0 16	12 51	1 5	22 27	0 58	1 10	0 45	17 8
T 9	22 56	7 40	1 58	17 58	1 58	24 3	0 37	18 17	0 16	12 48	1 5	22 27	0 57	1 9	0 45	17 9
W10	23 1	11 27	3 2	18 30	1 48	24 6	0 39	18 28	0 15	12 45	1 5	22 27	0 57	1 9	0 44	17 9
T 11	23 5	14 41	3 56	19 1	1 38	24 9	0 42	18 40	0 14	12 42	1 5	22 27	0 57	1 9	0 44	17 10
F 12	23 9	17 4	4 36	19 31	1 27	24 10	0 44	18 51	0 14	12 40	1 5	22 28	0 57	1 9	0 44	17 10
S 13	23 13	18 18	4 58	20 2	1 16	24 11	0 46	19 2	0 13	12 37	1 5	22 28	0 57	1 9	0 44	17 11
S 14	23 16	18 14	4 58	20 31	1 5	24 12	0 48	19 12	0 12	12 34	1 5	22 28	0 57	1 9	0 44	17 11
M15	23 19	16 53	4 38	21 0	0 54	24 11	0 50	19 23	0 12	12 31	1 4	22 29	0 57	1 8	0 44	17 12
T 16	23 21	14 23	3 59	21 28	0 42	24 10	0 52	19 33	0 11	12 28	1 4	22 29	0 57	1 8	0 44	17 12
W17	23 23	11 1	3 5	21 55	0 31	24 8	0 54	19 43	0 10	12 24	1 4	22 29	0 57	1 8	0 44	17 13
T 18	23 25	7 6	2 1	22 20	0 20	24 6	0 56	19 53	0 10	12 21	1 4	22 29	0 57	1 8	0 44	17 13
F 19	23 26	2 55	0 51	22 43	0 8	24 2	0 58	20 3	0 9	12 18	1 4	22 29	0 57	1 7	0 44	17 13
S 20	23 27	1s17	0n19	23 5	0n 3	23 58	1 0	20 13	0 8	12 15	1 4	22 30	0 56	1 7	0 44	17 14
S 21	23 27	5 20	1 26	23 25	0 13	23 54	1 2	20 22	0 8	12 11	1 4	22 30	0 56	1 7	0 44	17 14
M22	23 27	9 2	2 28	23 42	0 24	23 48	1 4	20 31	0 7	12 8	1 4	22 30	0 56	1 6	0 44	17 15
T 23	23 26	12 15	3 21	23 57	0 34	23 42	1 5	20 40	0 6	12 5	1 4	22 30	0 56	1 6	0 44	17 15
W24	23 26	14 54	4 4	24 10	0 44	23 35	1 7	20 49	0 6	12 1	1 4	22 30	0 56	1 5	0 44	17 16
T 25	23 24	16 52	4 35	24 20	0 53	23 28	1 9	20 58	0 5	11 58	1 3	22 31	0 56	1 5	0 44	17 16
F 26	23 23	18 4	4 54	24 27	1 2	23 19	1 11	21 6	0 4	11 54	1 3	22 31	0 56	1 5	0 44	17 16
S 27	23 20	18 27	5 0	24 32	1 10	23 11	1 12	21 14	0 4	11 51	1 3	22 31	0 56	1 4	0 44	17 17
S 28	23 18	18 2	4 52	24 33	1 17	23 1	1 14	21 22	0 3	11 47	1 3	22 31	0 56	1 4	0 44	17 17
M29	23 15	16 50	4 32	24 32	1 24	22 51	1 15	21 30	0 2	11 44	1 3	22 31	0 56	1 3	0 44	17 18
T 30	23n11	14s55	4n 1	24n28	1n30	22n40	1n17	21n37	0s 1	11n40	1n 3	22n31	0s56	1n 3	0n44	17n18

Julian Day Number = 2409693.5, Delta T = -4.39 sec

Ecliptic obliquity = 23°27'05, Nutation = - 0°00'00, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°08'24, Lahiri = 22°15'25

ASTRODIENST EPHEMERIS for the year 1885
geocentric

JULY 1885

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	18 36 50	9 ⁵⁵ 15'37	17 ⁵⁵ 50	13 ⁵⁵ 21	24 ⁵⁵ 43	8 ⁵⁵ 39	2 ⁵⁵ 23	29 ⁵⁵ 21	29 ⁵⁵ 5	24 ⁵⁵ 42	2 ⁵⁵ 28	28 ⁵⁵ R48	29 ⁵⁵ 39	14 ⁵⁵ 20	12 ⁵⁵ 43	W 1
T 2	18 40 47	10 ⁵⁵ 12'48	29 ⁵⁵ 50	15 ⁵⁵ 29	25 ⁵⁵ 57	9 ⁵⁵ 21	2 ⁵⁵ 33	29 ⁵⁵ 29	29 ⁵⁵ 6	24 ⁵⁵ 43	2 ⁵⁵ 30	28 ⁵⁵ 42	29 ⁵⁵ 36	14 ⁵⁵ 27	12 ⁵⁵ 48	T 2
F 3	18 44 44	11 ⁵⁵ 9'59	11 ⁵⁵ 57	17 ⁵⁵ 35	27 ⁵⁵ 10	10 ⁵⁵ 3	2 ⁵⁵ 43	29 ⁵⁵ 36	29 ⁵⁵ 7	24 ⁵⁵ 45	2 ⁵⁵ 31	28 ⁵⁵ 39	29 ⁵⁵ 33	14 ⁵⁵ 33	12 ⁵⁵ 52	F 3
S 4	18 48 40	12 ⁵⁵ 7'11	24 ⁵⁵ 17	19 ⁵⁵ 40	28 ⁵⁵ 23	10 ⁵⁵ 45	2 ⁵⁵ 53	29 ⁵⁵ 44	29 ⁵⁵ 9	24 ⁵⁵ 47	2 ⁵⁵ 32	28 ⁵⁵ D38	29 ⁵⁵ 30	14 ⁵⁵ 40	12 ⁵⁵ 57	S 4
S 5	18 52 37	13 ⁵⁵ 4'22	6 ⁵⁵ 54	21 ⁵⁵ 44	29 ⁵⁵ 37	11 ⁵⁵ 27	3 ⁵⁵ 4	29 ⁵⁵ 52	29 ⁵⁵ 10	24 ⁵⁵ 48	2 ⁵⁵ 33	28 ⁵⁵ R38	29 ⁵⁵ 26	14 ⁵⁵ 47	13 ⁵⁵ 1	S 5
M 6	18 56 33	14 ⁵⁵ 1'34	19 ⁵⁵ 52	23 ⁵⁵ 46	0 ⁵⁵ 50	12 ⁵⁵ 9	3 ⁵⁵ 14	29 ⁵⁵ 59	29 ⁵⁵ 12	24 ⁵⁵ 50	2 ⁵⁵ 34	28 ⁵⁵ 38	29 ⁵⁵ 23	14 ⁵⁵ 54	13 ⁵⁵ 6	M 6
T 7	19 0 30	14 ⁵⁵ 58'47	3 ⁵⁵ 15	25 ⁵⁵ 46	2 ⁵⁵ 4	12 ⁵⁵ 51	3 ⁵⁵ 24	0 ⁵⁵ 57	29 ⁵⁵ 13	24 ⁵⁵ 51	2 ⁵⁵ 35	28 ⁵⁵ 37	29 ⁵⁵ 20	15 ⁵⁵ 0	13 ⁵⁵ 10	T 7
W 8	19 4 26	15 ⁵⁵ 56'00	17 ⁵⁵ 6	27 ⁵⁵ 44	3 ⁵⁵ 17	13 ⁵⁵ 32	3 ⁵⁵ 35	0 ⁵⁵ 15	29 ⁵⁵ 15	24 ⁵⁵ 53	2 ⁵⁵ 36	28 ⁵⁵ 34	29 ⁵⁵ 17	15 ⁵⁵ 7	13 ⁵⁵ 15	W 8
T 9	19 8 23	16 ⁵⁵ 53'13	1 ⁵⁵ 26	29 ⁵⁵ 41	4 ⁵⁵ 31	14 ⁵⁵ 14	3 ⁵⁵ 46	0 ⁵⁵ 22	29 ⁵⁵ 17	24 ⁵⁵ 55	2 ⁵⁵ 37	28 ⁵⁵ 28	29 ⁵⁵ 14	15 ⁵⁵ 14	13 ⁵⁵ 19	T 9
F 10	19 12 19	17 ⁵⁵ 50'27	16 ⁵⁵ 13	1 ⁵⁵ 35	5 ⁵⁵ 44	14 ⁵⁵ 55	3 ⁵⁵ 56	0 ⁵⁵ 30	29 ⁵⁵ 18	24 ⁵⁵ 56	2 ⁵⁵ 38	28 ⁵⁵ 20	29 ⁵⁵ 11	15 ⁵⁵ 21	13 ⁵⁵ 24	F 10
S 11	19 16 16	18 ⁵⁵ 47'41	1 ⁵⁵ 59	3 ⁵⁵ 28	6 ⁵⁵ 57	15 ⁵⁵ 37	4 ⁵⁵ 7	0 ⁵⁵ 37	29 ⁵⁵ 20	24 ⁵⁵ 58	2 ⁵⁵ 39	28 ⁵⁵ 11	29 ⁵⁵ 7	15 ⁵⁵ 27	13 ⁵⁵ 28	S 11
S 12	19 20 13	19 ⁵⁵ 44'56	16 ⁵⁵ 36	5 ⁵⁵ 19	8 ⁵⁵ 11	16 ⁵⁵ 18	4 ⁵⁵ 18	0 ⁵⁵ 45	29 ⁵⁵ 22	24 ⁵⁵ 59	2 ⁵⁵ 40	28 ⁵⁵ 1	29 ⁵⁵ 4	15 ⁵⁵ 34	13 ⁵⁵ 32	S 12
M13	19 24 9	20 ⁵⁵ 42'11	1 ⁵⁵ 53	7 ⁵⁵ 8	9 ⁵⁵ 24	17 ⁵⁵ 0	4 ⁵⁵ 29	0 ⁵⁵ 52	29 ⁵⁵ 24	25 ⁵⁵ 1	2 ⁵⁵ 41	27 ⁵⁵ 52	29 ⁵⁵ 1	15 ⁵⁵ 41	13 ⁵⁵ 37	M13
T 14	19 28 6	21 ⁵⁵ 39'26	16 ⁵⁵ 58	8 ⁵⁵ 55	10 ⁵⁵ 38	17 ⁵⁵ 41	4 ⁵⁵ 40	1 ⁵⁵ 0	29 ⁵⁵ 26	25 ⁵⁵ 2	2 ⁵⁵ 42	27 ⁵⁵ 45	28 ⁵⁵ 58	15 ⁵⁵ 47	13 ⁵⁵ 41	T 14
W15	19 32 2	22 ⁵⁵ 36'42	1 ⁵⁵ 43	10 ⁵⁵ 41	11 ⁵⁵ 51	18 ⁵⁵ 22	4 ⁵⁵ 51	1 ⁵⁵ 7	29 ⁵⁵ 28	25 ⁵⁵ 3	2 ⁵⁵ 43	27 ⁵⁵ 40	28 ⁵⁵ 55	15 ⁵⁵ 54	13 ⁵⁵ 45	W15
T 16	19 35 59	23 ⁵⁵ 33'57	16 ⁵⁵ 3	12 ⁵⁵ 24	13 ⁵⁵ 4	19 ⁵⁵ 3	5 ⁵⁵ 2	1 ⁵⁵ 15	29 ⁵⁵ 30	25 ⁵⁵ 5	2 ⁵⁵ 44	27 ⁵⁵ 38	28 ⁵⁵ 52	16 ⁵⁵ 1	13 ⁵⁵ 49	T 16
F 17	19 39 55	24 ⁵⁵ 31'13	29 ⁵⁵ 54	14 ⁵⁵ 6	14 ⁵⁵ 18	19 ⁵⁵ 44	5 ⁵⁵ 13	1 ⁵⁵ 22	29 ⁵⁵ 32	25 ⁵⁵ 6	2 ⁵⁵ 45	27 ⁵⁵ D37	28 ⁵⁵ 48	16 ⁵⁵ 8	13 ⁵⁵ 53	F 17
S 18	19 43 52	25 ⁵⁵ 28'29	13 ⁵⁵ 17	15 ⁵⁵ 45	15 ⁵⁵ 31	20 ⁵⁵ 25	5 ⁵⁵ 24	1 ⁵⁵ 30	29 ⁵⁵ 34	25 ⁵⁵ 7	2 ⁵⁵ 46	27 ⁵⁵ 38	28 ⁵⁵ 45	16 ⁵⁵ 14	13 ⁵⁵ 57	S 18
S 19	19 47 48	26 ⁵⁵ 25'45	26 ⁵⁵ 16	17 ⁵⁵ 23	16 ⁵⁵ 44	21 ⁵⁵ 6	5 ⁵⁵ 36	1 ⁵⁵ 37	29 ⁵⁵ 36	25 ⁵⁵ 9	2 ⁵⁵ 46	27 ⁵⁵ R38	28 ⁵⁵ 42	16 ⁵⁵ 21	14 ⁵⁵ 1	S 19
M20	19 51 45	27 ⁵⁵ 23'01	8 ⁵⁵ 54	18 ⁵⁵ 59	17 ⁵⁵ 58	21 ⁵⁵ 47	5 ⁵⁵ 47	1 ⁵⁵ 44	29 ⁵⁵ 38	25 ⁵⁵ 10	2 ⁵⁵ 47	27 ⁵⁵ 38	28 ⁵⁵ 39	16 ⁵⁵ 28	14 ⁵⁵ 5	M20
T 21	19 55 42	28 ⁵⁵ 20'18	21 ⁵⁵ 15	20 ⁵⁵ 33	19 ⁵⁵ 11	22 ⁵⁵ 28	5 ⁵⁵ 59	1 ⁵⁵ 52	29 ⁵⁵ 41	25 ⁵⁵ 11	2 ⁵⁵ 48	27 ⁵⁵ 35	28 ⁵⁵ 36	16 ⁵⁵ 34	14 ⁵⁵ 9	T 21
W22	19 59 38	29 ⁵⁵ 17'35	3 ⁵⁵ 24	22 ⁵⁵ 5	20 ⁵⁵ 24	23 ⁵⁵ 9	6 ⁵⁵ 10	1 ⁵⁵ 59	29 ⁵⁵ 43	25 ⁵⁵ 12	2 ⁵⁵ 49	27 ⁵⁵ 30	28 ⁵⁵ 32	16 ⁵⁵ 41	14 ⁵⁵ 13	W22
T 23	20 3 35	0 ⁵⁵ 14'52	15 ⁵⁵ 25	23 ⁵⁵ 35	21 ⁵⁵ 38	23 ⁵⁵ 49	6 ⁵⁵ 22	2 ⁵⁵ 6	29 ⁵⁵ 45	25 ⁵⁵ 14	2 ⁵⁵ 50	27 ⁵⁵ 23	28 ⁵⁵ 29	16 ⁵⁵ 48	14 ⁵⁵ 17	T 23
F 24	20 7 31	1 ⁵⁵ 12'10	27 ⁵⁵ 20	25 ⁵⁵ 3	22 ⁵⁵ 51	24 ⁵⁵ 30	6 ⁵⁵ 33	2 ⁵⁵ 13	29 ⁵⁵ 47	25 ⁵⁵ 15	2 ⁵⁵ 51	27 ⁵⁵ 14	28 ⁵⁵ 26	16 ⁵⁵ 55	14 ⁵⁵ 21	F 24
S 25	20 11 28	2 ⁵⁵ 9'29	9 ⁵⁵ 13	26 ⁵⁵ 30	24 ⁵⁵ 4	25 ⁵⁵ 11	6 ⁵⁵ 45	2 ⁵⁵ 20	29 ⁵⁵ 50	25 ⁵⁵ 16	2 ⁵⁵ 51	27 ⁵⁵ 4	28 ⁵⁵ 23	17 ⁵⁵ 1	14 ⁵⁵ 25	S 25
S 26	20 15 24	3 ⁵⁵ 6'48	21 ⁵⁵ 5	27 ⁵⁵ 54	25 ⁵⁵ 17	25 ⁵⁵ 51	6 ⁵⁵ 57	2 ⁵⁵ 28	29 ⁵⁵ 52	25 ⁵⁵ 17	2 ⁵⁵ 52	26 ⁵⁵ 54	28 ⁵⁵ 20	17 ⁵⁵ 8	14 ⁵⁵ 29	S 26
M27	20 19 21	4 ⁵⁵ 4'07	2 ⁵⁵ 59	29 ⁵⁵ 16	26 ⁵⁵ 30	26 ⁵⁵ 32	7 ⁵⁵ 9	2 ⁵⁵ 35	29 ⁵⁵ 55	25 ⁵⁵ 18	2 ⁵⁵ 53	26 ⁵⁵ 44	28 ⁵⁵ 17	17 ⁵⁵ 15	14 ⁵⁵ 33	M27
T 28	20 23 17	5 ⁵⁵ 1'28	14 ⁵⁵ 55	0 ⁵⁵ 37	27 ⁵⁵ 44	27 ⁵⁵ 12	7 ⁵⁵ 20	2 ⁵⁵ 42	29 ⁵⁵ 57	25 ⁵⁵ 19	2 ⁵⁵ 54	26 ⁵⁵ 36	28 ⁵⁵ 13	17 ⁵⁵ 21	14 ⁵⁵ 36	T 28
W29	20 27 14	5 ⁵⁵ 58'49	26 ⁵⁵ 56	1 ⁵⁵ 55	28 ⁵⁵ 57	27 ⁵⁵ 52	7 ⁵⁵ 32	2 ⁵⁵ 49	29 ⁵⁵ 59	25 ⁵⁵ 20	2 ⁵⁵ 54	26 ⁵⁵ 30	28 ⁵⁵ 10	17 ⁵⁵ 28	14 ⁵⁵ 40	W29
T 30	20 31 11	6 ⁵⁵ 56'11	9 ⁵⁵ 3	3 ⁵⁵ 11	0 ⁵⁵ 10	28 ⁵⁵ 33	7 ⁵⁵ 44	2 ⁵⁵ 56	0 ⁵⁵ 2	25 ⁵⁵ 21	2 ⁵⁵ 55	26 ⁵⁵ 27	28 ⁵⁵ 7	17 ⁵⁵ 35	14 ⁵⁵ 43	T 30
F 31	20 35 7	7 ⁵⁵ 53'35	21 ⁵⁵ 19	4 ⁵⁵ 25	1 ⁵⁵ 23	29 ⁵⁵ 13	7 ⁵⁵ 56	3 ⁵⁵ 5	0 ⁵⁵ 5	25 ⁵⁵ 22	2 ⁵⁵ 56	26 ⁵⁵ D25	28 ⁵⁵ 4	17 ⁵⁵ 42	14 ⁵⁵ 47	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	lat
W 1	23n 8	12s21	3n18	24n22	1n35	22n28	1n18	21n45	0s 1	11n37	1n 3	22n31	0s56	1n 2	0n44	17n18	1s42	8n23	12s31	0n29	0n 8	17s44	17n59	4s23		
T 2	23 4	9 15	2 26	24 12	1 40	22 16	1 19	21 52	0 0	11 33	1 3	22 31	0 56	1 1	0 44	17 19	1 42	8 23	12 31	0 31	0 10	17 43	17 59	4 24		
F 3	22 59	5 44	1 27	24 0	1 44	22 3	1 21	21 59	0n 1	11 29	1 3	22 31	0 56	1 1	0 43	17 19	1 42	8 23	12 31	0 32	0 11	17 43	17 59	4 24		
S 4	22 54	1 55	0 23	23 46	1 47	21 50	1 22	22 6	0 1	11 25	1 3	22 32	0 55	1 0	0 43	17 19	1 42	8 23	12 31	0 33	0 12	17 42	18 0	4 24		
S 5	22 49	2n 4	0s44	23 29	1 49	21 36	1 23	22 12	0 2	11 22	1 3	22 32	0 55	1 0	0 43	17 20	1 42	8 23	12 31	0 33	0 13	17 42	18 0	4 24		
M 6	22 43	6 4	1 50	23 10	1 50	21 21	1 24	22 18	0 3	11 18	1 2	22 32	0 55	0 59	0 43	17 20	1 42	8 23	12 31	0 33	0 15	17 41	18 0	4 25		
T 7	22 37	9 54	2 53	22 49	1 51	21 6	1 25	22 24	0 4	11 14	1 2	22 32	0 55	0 58	0 43	17 21	1 42	8 23	12 32	0 33	0 16	17 41	18 1	4 25		
W 8	22 30	13 19	3 47	22 27	1 51	20 50	1 26	22 30	0 4	11 10	1 2	22 32	0 55	0 58	0 43	17 21	1 42	8 23	12 32	0 34	0 17	17 40	18 1	4 25		
T 9	22 23	16 3	4 30	22 2	1 51	20 33	1 27	22 36	0 5	11 6	1 2	22 32	0 55	0 57	0 43	17 21	1 42	8 23	12 32	0 37	0 18	17 40	18 1	4 25		
F 10	22 16	17 50	4 56	21 36	1 50	20 16	1 28	22 42	0 6	11 2	1 2	22 32	0 55	0 56	0 43	17 22	1 42	8 23	12 32	0 40	0 20	17 39	18 2	4 26		
S 11	22 8	18 25	5 2	21 8	1 48	19 58	1 29	22 47	0 6	10 58	1 2	22 32	0 55	0 55	0 43	17 22	1 42	8 23	12 32	0 43	0 21	17 39	18 2	4 26		
S 12	22 0	17 40	4 47	20 39	1 45	19 40	1 29	22 52	0 7	10 54	1 2	22 32	0 55	0 55	0 43	17 22	1 42	8 24	12 32	0 47	0 22	17 38	18 2	4 26		
M13	21 51	15 40	4 11	20 9	1 42	19 21	1 30	22 57	0 8	10 50	1 2	22 32	0 55	0 54	0 43	17 22	1 42	8 24	12 32	0 51	0 23	17 38	18 2	4 26		
T 14	21 42	12 36	3 19	19 38	1 39	19 2	1 31	23 1	0 9	10 46	1 2	22 32	0 55	0 53	0 43	17 23	1 42	8 24	12 33	0 54	0 25	17 37	18 2	4 27		
W15	21 33	8 47	2 13	19 5	1 35	18 42	1 31	23 6	0 9	10 42	1 2	22 32	0 55	0 52	0 43	17 23	1 42	8 24	12 33	0 56	0 26	17 37	18 3	4 27		
T 16	21 24	4 34	1 1	18 32	1 30	18 22	1 32	23 10	0 10	10 38	1 2	22 32	0 55	0 51	0 43	17 23	1 42	8 24	12 33	0 57	0 27	17 36	18 3	4 27		
F 17	21 14	0 14	0n12	17 58	1 25	18 1	1 32	23 14	0 11	10 34	1 2	22 32	0 55	0 51	0 43	17 24	1 42	8 24	12 33	0 57	0 29	17 36	18 3	4 27		
S 18	21 3	3s59	1 23	17 23	1 19	17 40	1 32	23 18	0 11	10 29	1 2	22 32	0 55	0 50	0 43	17 24	1 42	8 24	12 33	0 57	0 30	17 35	18 3	4 28		
S 19	20 53	7 52	2 27	16 48	1 13	17 18	1 33	23 21	0 12	10 25	1 2	22 32	0 55	0 49	0 43	17 24	1 42	8 24	12 33	0 56	0 31	17 35	18 3	4 28		
M20	20 42	11 17	3 22	16 12	1 7	16 56	1 33	23 25	0 13	10 21	1 2	22 32	0 55	0 48	0 43	17 24	1 43	8 24	12 34	0 57	0 32	17 34	18 4	4 28		
T 21	20 30	14 7	4 6	15 36	1 0	16 33	1 33	23 28	0 14	10 17	1 1	22 32	0 55	0 47	0 43	17 25	1 43	8 24	12 34	0 58	0 34	17 34	18 4	4 29		
W22	20 19	16 17	4 39	14 59	0 53	16 10	1 33	23 31	0 14	10 12	1 1	22 32	0 55	0 46	0 43	17 25	1 43	8 23	12 34	1 0	0 35	17 33	18 4	4 29		
T 23	20 6	17 43	4 58	14 22	0 45	15 46	1 33	23 34	0 15	10 8	1 1	22 32	0 55	0 45	0 43	17 25	1 43	8 23	12 34	1 2	0 36	17 33	18 4	4 29		
F 24	19 54	18 21	5 5	13 45	0 37	15 22	1 33	23 36	0 16	10 4	1 1	22 31	0 55	0 44	0 43	17 25	1 43	8 23	12 34	1 6	0 37	17 32	18 4	4 30		
S 25	19 41	18 10	4 58	13 8	0 28	14 58	1 33	23 38	0 17	9 59	1 1	22 31	0 54	0 43	0 43	17 26	1 43	8 23	12 35	1 10	0 39	17 32	18 4	4 30		
S 26	19 28	17 13	4 39	12 31	0 20	14 33	1 33	23 41	0 17	9 55	1 1	22 31	0 54	0 42	0 43	17 26	1 43	8 23	12 35	1 14	0 40	17 31	18 4	4 30		
M27	19 15	15 30	4 7	11 54	0 11	14 8	1 32	23 42	0 18	9 50	1 1	22 31	0 54	0 41	0 43	17 26	1 43	8 23	12 35	1 18	0 41	17 31	18 4	4 31		
T 28	19 1	13 7	3 24	11 17	0 1	13 42	1 32	23 44	0 19	9 46	1 1	22 31	0 54	0 40	0 43	17 26	1 43	8 23	12 35	1 21	0 42	17 30	18 5	4 31		
W29	18 47	10 10	2 32	10 40	0s 8	13 16	1 31	23 46	0 20	9 41	1 1	22 31	0 54	0 39	0 42	17 26	1 43	8 23	12 35	1 23	0 44	17 30	18 5	4 31		
T 30	18 33	6 45	1 32	10 4	0 18	12 50	1 31	23 47	0 20	9 37	1 1	22 31	0 54	0 38	0 42	17 27	1 43	8 23	12 36	1 25	0 45	17 29	18 5	4 32		
F 31	18n18	3s 1	0n28	9n28	0s28	12n24	1n30	23n48	0n21	9n32	1n 1	22n31	0s54	0n37	0n42	17n27	1s43	8n23	12s36	1n26	0n46	17s28	18n 5	4s32		

ASTRODIENST EPHEMERIS for the year 1885

geocentric

AUGUST 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 39 4	8♂50°59	3♂46	5♂37	2♂36	29♂53	8♂8	3♂9	0♂8	25♂23	2♂56	26♂25	28♂1	17♂48	14♂50	S 1
S 2	20 43 0	9°48'24	16°28	6°46	3°49	0♂33	8°20	3°16	0°10	25°24	2°57	26°26	27°58	17°55	14°54	S 2
M 3	20 46 57	10°45'51	29°27	7°53	5° 2	1°13	8°33	3°23	0°13	25°25	2°58	26°27	27°54	18° 2	14°57	M 3
T 4	20 50 53	11°43'19	12♂48	8°58	6°15	1°53	8°45	3°30	0°16	25°26	2°58	26°R28	27°51	18° 8	15° 1	T 4
W 5	20 54 50	12°40'48	26°33	10° 0	7°29	2°33	8°57	3°36	0°19	25°26	2°59	26°27	27°48	18°15	15° 4	W 5
T 6	20 58 46	13°38'19	10♂42	10°59	8°42	3°13	9° 9	3°43	0°22	25°27	2°59	26°24	27°45	18°22	15° 7	T 6
F 7	21 2 43	14°35'51	25°15	11°55	9°55	3°52	9°22	3°50	0°25	25°28	3° 0	26°20	27°42	18°29	15°10	F 7
S 8	21 6 40	15°33'24	10♂7	12°49	11° 8	4°32	9°34	3°56	0°27	25°29	3° 1	26°15	27°38	18°35	15°14	S 8
S 9	21 10 36	16°30'59	25°11	13°39	12°21	5°12	9°46	4° 3	0°30	25°29	3° 1	26° 9	27°35	18°42	15°17	S 9
M10	21 14 33	17°28'34	10♂18	14°27	13°34	5°51	9°59	4° 9	0°33	25°30	3° 2	26° 3	27°32	18°49	15°20	M10
T 11	21 18 29	18°26'11	25°18	15°10	14°47	6°31	10°11	4°15	0°36	25°30	3° 2	25°59	27°29	18°55	15°23	T 11
W12	21 22 26	19°23'50	10♂3	15°51	16° 0	7°10	10°24	4°22	0°39	25°31	3° 2	25°56	27°26	19° 2	15°26	W12
T 13	21 26 22	20°21'29	24°25	16°27	17°13	7°50	10°36	4°28	0°43	25°32	3° 3	25°D55	27°23	19° 9	15°28	T 13
F 14	21 30 19	21°19'09	8♂22	16°59	18°25	8°29	10°49	4°34	0°46	25°32	3° 3	25°56	27°19	19°16	15°31	F 14
S 15	21 34 15	22°16'51	21°51	17°27	19°38	9° 8	11° 1	4°40	0°49	25°33	3° 4	25°57	27°16	19°22	15°34	S 15
S 16	21 38 12	23°14'33	4♂55	17°51	20°51	9°47	11°14	4°46	0°52	25°33	3° 4	25°59	27°13	19°29	15°37	S 16
M17	21 42 8	24°12'17	17°37	18°10	22° 4	10°27	11°27	4°52	0°55	25°33	3° 4	26° 0	27°10	19°36	15°39	M17
T 18	21 46 5	25°10'01	29°59	18°24	23°17	11° 6	11°39	4°58	0°58	25°34	3° 5	26°R 0	27° 7	19°42	15°42	T 18
W19	21 50 2	26° 7'47	12♂9	18°33	24°30	11°45	11°52	5° 4	1° 2	25°34	3° 5	25°59	27° 4	19°49	15°44	W19
T 20	21 53 58	27° 5'34	24° 8	18°R36	25°42	12°23	12° 5	5°10	1° 5	25°34	3° 5	25°56	27° 0	19°56	15°47	T 20
F 21	21 57 55	28° 3'22	6♂2	18°34	26°55	13° 2	12°18	5°16	1° 8	25°35	3° 6	25°53	26°57	20° 3	15°49	F 21
S 22	22 1 51	29° 1'11	17°54	18°26	28° 8	13°41	12°30	5°22	1°12	25°35	3° 6	25°48	26°54	20° 9	15°52	S 22
S 23	22 5 48	29°59'02	29°47	18°12	29°21	14°20	12°43	5°27	1°15	25°35	3° 6	25°44	26°51	20°16	15°54	S 23
M24	22 9 44	0♂56'54	11♂44	17°52	0♂33	14°58	12°56	5°33	1°18	25°35	3° 6	25°40	26°48	20°23	15°56	M24
T 25	22 13 41	1°54'47	23°47	17°27	1°46	15°37	13° 9	5°38	1°22	25°36	3° 6	25°36	26°44	20°29	15°58	T 25
W26	22 17 37	2°52'42	5♂58	16°55	2°59	16°15	13°22	5°44	1°25	25°36	3° 7	25°34	26°41	20°36	16° 0	W26
T 27	22 21 34	3°50'39	18°18	16°18	4°11	16°54	13°35	5°49	1°29	25°36	3° 7	25°33	26°38	20°43	16° 2	T 27
F 28	22 25 31	4°48'37	0♂49	15°36	5°24	17°32	13°47	5°54	1°32	25°36	3° 7	25°D33	26°35	20°50	16° 4	F 28
S 29	22 29 27	5°46'37	13°31	14°49	6°36	18°10	14° 0	5°59	1°36	25°R36	3° 7	25°34	26°32	20°56	16° 6	S 29
S 30	22 33 24	6°44'38	26°27	13°58	7°49	18°49	14°13	6° 5	1°39	25°36	3° 7	25°35	26°29	21° 3	16° 8	S 30
M31	22 37 20	7♂42'42	9♂38	13♂3	9♂1	19♂27	14♂26	6♂10	1♂43	25♂36	3♂7	25♂36	26♂25	21♂10	16♂10	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	18n 3	0n54	0s40	8n52	0s38	11n57	1n30	23n49	0n22	9n28	1n 1	22n31	0s54	0n36	0n42	17n27	1s43	8n23	12s36	1n26	0n47	17s28	18n 5	4s32	
S 2	17 48	4 50	1 46	8 16	0 49	11 30	1 29	23 50	0 23	9 23	1 1	22 30	0 54	0 35	0 42	17 27	1 43	8 23	12 36	1 25	0 49	17 27	18 5	4 33	
M 3	17 33	8 39	2 49	7 42	1 0	11 2	1 28	23 50	0 23	9 19	1 1	22 30	0 54	0 34	0 42	17 27	1 43	8 23	12 36	1 25	0 50	17 27	18 5	4 33	
T 4	17 17	12 7	3 44	7 8	1 10	10 34	1 27	23 50	0 24	9 14	1 1	22 30	0 54	0 32	0 42	17 27	1 43	8 23	12 37	1 24	0 51	17 26	18 5	4 33	
W 5	17 1	15 2	4 29	6 34	1 21	10 6	1 26	23 50	0 25	9 10	1 1	22 30	0 54	0 31	0 42	17 28	1 43	8 22	12 37	1 25	0 53	17 26	18 5	4 34	
T 6	16 44	17 8	4 58	6 1	1 32	9 38	1 25	23 50	0 26	9 5	1 1	22 30	0 54	0 30	0 42	17 28	1 43	8 22	12 37	1 26	0 54	17 25	18 5	4 34	
F 7	16 28	18 13	5 10	5 30	1 44	9 9	1 24	23 50	0 26	9 0	1 1	22 30	0 54	0 29	0 42	17 28	1 43	8 22	12 37	1 27	0 55	17 24	18 5	4 35	
S 8	16 11	18 4	5 1	4 59	1 55	8 40	1 23	23 49	0 27	8 56	1 1	22 30	0 54	0 28	0 42	17 28	1 44	8 22	12 37	1 30	0 56	17 24	18 5	4 35	
S 9	15 54	16 40	4 31	4 29	2 6	8 11	1 22	23 49	0 28	8 51	1 1	22 29	0 54	0 27	0 42	17 28	1 44	8 22	12 38	1 32	0 58	17 23	18 5	4 35	
M10	15 36	14 6	3 43	4 1	2 17	7 42	1 20	23 48	0 29	8 46	1 1	22 29	0 54	0 25	0 42	17 28	1 44	8 22	12 38	1 34	0 59	17 23	18 5	4 36	
T 11	15 19	10 36	2 39	3 34	2 29	7 13	1 19	23 47	0 29	8 41	1 1	22 29	0 54	0 24	0 42	17 28	1 44	8 22	12 38	1 36	1 0	17 22	18 4	4 36	
W12	15 1	6 29	1 25	3 8	2 40	6 43	1 18	23 45	0 30	8 37	1 1	22 29	0 54	0 23	0 42	17 28	1 44	8 22	12 38	1 37	1 1	17 22	18 4	4 36	
T 13	14 43	2 5	0 8	2 44	2 51	6 13	1 16	23 44	0 31	8 32	1 1	22 29	0 54	0 22	0 42	17 28	1 44	8 21	12 39	1 37	1 3	17 21	18 4	4 37	
F 14	14 24	2s17	1n 7	2 21	3 2	5 43	1 14	23 42	0 32	8 27	1 1	22 28	0 54	0 20	0 42	17 28	1 44	8 21	12 39	1 37	1 4	17 20	18 4	4 37	
S 15	14 6	6 24	2 17	2 0	3 12	5 13	1 13	23 40	0 32	8 22	1 1	22 28	0 54	0 19	0 42	17 28	1 44	8 21	12 39	1 37	1 5	17 20	18 4	4 38	
S 16	13 47	10 4	3 17	1 41	3 23	4 43	1 11	23 38	0 33	8 18	1 1	22 28	0 54	0 18	0 42	17 28	1 44	8 21	12 39	1 36	1 6	17 19	18 4	4 38	
M17	13 28	13 10	4 6	1 25	3 33	4 13	1 9	23 36	0 34	8 13	1 1	22 28	0 54	0 16	0 42	17 29	1 44	8 21	12 39	1 35	1 8	17 19	18 4	4 38	
T 18	13 8	15 34	4 41	1 11	3 43	3 42	1 7	23 34	0 35	8 8	1 1	22 28	0 54	0 15	0 42	17 29	1 44	8 21	12 40	1 35	1 9	17 18	18 4	4 39	
W19	12 49	17 14	5 4	0 59	3 52	3 11	1 5	23 31	0 35	8 3	1 1	22 27	0 54	0 14	0 42	17 29	1 44	8 21	12 40	1 36	1 10	17 17	18 4	4 39	
T 20	12 29	18 7	5 13	0 50	4 0	2 41	1 3	23 28	0 36	7 58	1 1	22 27	0 54	0 13	0 42	17 29	1 44	8 20	12 40	1 37	1 11	17 17	18 3	4 40	
F 21	12 9	18 11	5 8	0 43	4 8	2 10	1 1	23 26	0 37	7 53	1 1	22 27	0 54	0 11	0 42	17 29	1 44	8 20	12 40	1 38	1 13	17 16	18 3	4 40	
S 22	11 49	17 28	4 50	0 40	4 15	1 39	0 59	23 22	0 38	7 48	1 1	22 27	0 54	0 10	0 42	17 29	1 44	8 20	12 41	1 40	1 14	17 16	18 3	4 40	
S 23	11 29	15 58	4 20	0 40	4 21	1 8	0 57	23 19	0 38	7 43	1 1	22 27	0 54	0 9	0 42	17 29	1 44	8 20	12 41	1 42	1 15	17 15	18 3	4 41	
M24	11 9	13 47	3 38	0 43	4 26	0 37	0 55	23 16	0 39	7 39	1 1	22 26	0 54	0 7	0 42	17 29	1 44	8 20	12 41	1 43	1 17	17 14	18 3	4 41	
T 25	10 48	10 59	2 46	0 50	4 29	0 6	0 53	23 12	0 40	7 34	1 1	22 26	0 54	0 6	0 42	17 29	1 44	8 19	12 41	1 45	1 18	17 14	18 2	4 42	
W26	10 27	7 41	1 46	1 0	4 32	0s25	0 50	23 8	0 41	7 29	1 1	22 26	0 54	0 4	0 42	17 29	1 45	8 19	12 42	1 46	1 19	17 13	18 2	4 42	
T 27	10 6	4 1	0 40	1 13	4 32	0 56	0 48	23 4	0 42	7 24	1 1	22 26	0 54	0 3	0 42	17 29	1 45	8 19	12 42	1 46	1 20	17 12	18 2	4 43	
F 28	9 45	0 7	0s29	1 30	4 32	1 27	0 45	23 0	0 42	7 19	1 1	22 25	0 54	0 2	0 42	17 28	1 45	8 19	12 42	1 46	1 22	17 12	18 2	4 43	
S 29	9 24	3n50	1 38	1 51	4 29	1 58	0 43	22 56	0 43	7 14	1 1	22 25	0 54	0 0	0 42	17 28	1 45	8 19	12 42	1 46	1 23	17 11	18 2	4 44	
S 30	9 2	7 41	2 42	2 15	4 24	2 29	0 40	22 51	0 44	7 9	1 1	22 25	0 54	0s 1	0 42	17 28	1 45	8 18	12 42	1 45	1 24	17 11	18 1	4 44	
M31	8n41	11n13	3s40	2n41	4s18	3s 0	0n38	22n47	0n45	7n 4	1n 1	22n25	0s54	0s 3	0n42	17n28	1s45	8n18	12s43	1n45	1n25	17s10	18n 1	4s44	

ASTRODIENST EPHEMERIS for the year 1885
geocentric

SEPTEMBER 1885

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 17	8♐40'47	23♌5	12°R 7	10♏14	20♌5	14♐39	6♌15	1♏46	25°R36	3♐7	25♐37	26♐22	21♌16	16♐11	T 1
W 2	22 45 13	9°38'55	6♐49	11♐9	11°26	20°43	14°52	6°19	1°50	25°R36	3°R 7	25°R38	26°19	21°23	16°13	W 2
T 3	22 49 10	10°37'04	20°51	10°11	12°39	21°21	15°5	6°24	1°53	25°35	3°7	25°38	26°16	21°30	16°14	T 3
F 4	22 53 6	11°35'16	5♌9	9°15	13°51	21°58	15°18	6°29	1°57	25°35	3°7	25°37	26°13	21°36	16°16	F 4
S 5	22 57 3	12°33'29	19°40	8°21	15°3	22°36	15°31	6°34	2°0	25°35	3°7	25°35	26°9	21°43	16°17	S 5
S 6	23 1 0	13°31'45	4♏21	7°30	16°16	23°14	15°44	6°38	2°4	25°35	3°7	25°34	26°6	21°50	16°18	S 6
M 7	23 4 56	14°30'03	19°6	6°45	17°28	23°52	15°57	6°43	2°8	25°34	3°7	25°33	26°3	21°57	16°20	M 7
T 8	23 8 53	15°28'22	3♐46	6°6	18°40	24°29	16°10	6°47	2°11	25°34	3°7	25°32	26°0	22°3	16°21	T 8
W 9	23 12 49	16°26'43	18°17	5°35	19°52	25°7	16°23	6°51	2°15	25°34	3°7	25°31	25°57	22°10	16°22	W 9
T 10	23 16 46	17°25'06	2♏31	5°11	21°5	25°44	16°36	6°56	2°19	25°33	3°6	25°D31	25°54	22°17	16°23	T 10
F 11	23 20 42	18°23'31	16°24	4°55	22°17	26°21	16°49	7°0	2°22	25°33	3°6	25°31	25°50	22°23	16°24	F 11
S 12	23 24 39	19°21'58	29°54	4°D49	23°29	26°59	17°2	7°4	2°26	25°33	3°6	25°32	25°47	22°30	16°25	S 12
S 13	23 28 35	20°20'26	13♐1	4°52	24°41	27°36	17°15	7°8	2°30	25°32	3°6	25°33	25°44	22°37	16°26	S 13
M14	23 32 32	21°18'56	25°46	5°4	25°53	28°13	17°28	7°12	2°34	25°32	3°6	25°33	25°41	22°44	16°26	M14
T 15	23 36 29	22°17'28	8♌12	5°26	27°5	28°50	17°41	7°15	2°37	25°31	3°5	25°33	25°38	22°50	16°27	T 15
W16	23 40 25	23°16'01	20°23	5°57	28°17	29°27	17°54	7°19	2°41	25°30	3°5	25°R33	25°35	22°57	16°28	W16
T 17	23 44 22	24°14'36	2♌23	6°37	29°29	0♏4	18°7	7°23	2°45	25°30	3°5	25°33	25°31	23°4	16°28	T 17
F 18	23 48 18	25°13'12	14°17	7°25	0♐41	0°40	18°20	7°26	2°49	25°29	3°4	25°D33	25°28	23°10	16°29	F 18
S 19	23 52 15	26°11'51	26°9	8°21	1°53	1°17	18°33	7°30	2°52	25°29	3°4	25°33	25°25	23°17	16°29	S 19
S 20	23 56 11	27°10'31	8♌4	9°24	3°5	1°54	18°46	7°33	2°56	25°28	3°4	25°34	25°22	23°24	16°29	S 20
M21	0 0 8	28°9'12	20°4	10°35	4°17	2°30	18°59	7°36	3°0	25°27	3°3	25°34	25°19	23°31	16°30	M21
T 22	0 4 4	29°7'56	2♐15	11°51	5°28	3°6	19°11	7°39	3°4	25°26	3°3	25°34	25°15	23°37	16°30	T 22
W23	0 8 1	0♏6'41	14°37	13°13	6°40	3°43	19°24	7°42	3°8	25°26	3°3	25°34	25°12	23°44	16°R30	W23
T 24	0 11 57	1°5'28	2°13	14°39	7°52	4°19	19°37	7°45	3°11	25°25	3°2	25°R34	25°9	23°51	16°30	T 24
F 25	0 15 54	2°4'18	10♐3	16°10	9°4	4°55	19°50	7°48	3°15	25°24	3°2	25°34	25°6	23°57	16°30	F 25
S 26	0 19 51	3°3'09	23°7	17°45	10°15	5°31	20°3	7°51	3°19	25°23	3°1	25°34	25°3	24°4	16°30	S 26
S 27	0 23 47	4°2'02	6♌26	19°22	11°27	6°7	20°16	7°53	3°23	25°22	3°1	25°33	25°0	24°11	16°29	S 27
M28	0 27 44	5°0'58	19°58	21°2	12°38	6°43	20°28	7°56	3°26	25°21	3°0	25°32	24°56	24°17	16°29	M28
T 29	0 31 40	5°59'56	3♐42	22°44	13°50	7°19	20°41	7°58	3°30	25°20	3°0	25°30	24°53	24°24	16°29	T 29
W30	0 35 37	6♏58'56	17♐37	24♐28	15♐1	7♏55	20♐54	8♌1	3♏34	25♌19	2♐59	25♐29	24♐50	24♌31	16♐28	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat				
T 1	8n19	14n15	4s27	3n11	4s 9	3s31	0n35	22n42	0n45	6n59	1n 1	22n25	0s54	0s 4	0n42	17n28	1s45	8n18	12s43	1n44	1n27	17s 9	18n 1	4s45		
W 2	7 57	16 32	4 59	3 42	3 59	4 2	0 32	22 37	0 46	6 54	1 1	22 24	0 54	0 5	0 42	17 28	1 45	8 18	12 43	1 44	1 28	17 9	18 0	4 45		
T 3	7 35	17 54	5 15	4 15	3 47	4 33	0 29	22 32	0 47	6 49	1 1	22 24	0 54	0 7	0 42	17 28	1 45	8 17	12 43	1 44	1 29	17 8	18 0	4 46		
F 4	7 13	18 9	5 12	4 49	3 33	5 4	0 27	22 27	0 48	6 44	1 1	22 24	0 54	0 8	0 42	17 28	1 45	8 17	12 44	1 45	1 30	17 7	18 0	4 46		
S 5	6 51	17 15	4 49	5 23	3 18	5 34	0 24	22 21	0 49	6 39	1 1	22 24	0 54	0 10	0 42	17 28	1 45	8 17	12 44	1 45	1 32	17 7	18 0	4 47		
S 6	6 29	15 11	4 7	5 58	3 1	6 5	0 21	22 16	0 49	6 34	1 1	22 23	0 54	0 11	0 42	17 28	1 45	8 17	12 44	1 46	1 33	17 6	17 59	4 47		
M 7	6 6	12 7	3 8	6 31	2 43	6 35	0 18	22 10	0 50	6 29	1 1	22 23	0 54	0 13	0 42	17 28	1 45	8 16	12 44	1 46	1 34	17 5	17 59	4 48		
T 8	5 44	8 18	1 58	7 2	2 24	7 6	0 15	22 4	0 51	6 24	1 1	22 23	0 54	0 14	0 41	17 28	1 45	8 16	12 45	1 47	1 35	17 5	17 59	4 48		
W 9	5 21	4 1	0 40	7 32	2 5	7 36	0 12	21 58	0 52	6 19	1 1	22 23	0 54	0 16	0 41	17 27	1 45	8 16	12 45	1 47	1 37	17 4	17 58	4 48		
T 10	4 58	0s24	0n39	7 59	1 46	8 6	0 9	21 52	0 53	6 14	1 1	22 23	0 54	0 17	0 41	17 27	1 45	8 16	12 45	1 47	1 38	17 3	17 58	4 49		
F 11	4 36	4 43	1 53	8 23	1 26	8 36	0 6	21 46	0 53	6 9	1 1	22 22	0 54	0 19	0 41	17 27	1 45	8 15	12 45	1 47	1 39	17 3	17 57	4 49		
S 12	4 13	8 39	2 59	8 43	1 7	9 5	0 2	21 40	0 54	6 4	1 1	22 22	0 54	0 20	0 41	17 27	1 45	8 15	12 46	1 47	1 41	17 2	17 57	4 50		
S 13	3 50	12 2	3 54	8 59	0 48	9 35	0s 1	21 33	0 55	5 59	1 1	22 22	0 54	0 22	0 41	17 27	1 46	8 15	12 46	1 46	1 42	17 1	17 57	4 50		
M14	3 27	14 45	4 36	9 12	0 30	10 4	0 4	21 26	0 56	5 54	1 1	22 22	0 54	0 23	0 41	17 27	1 46	8 15	12 46	1 46	1 43	17 1	17 56	4 51		
T 15	3 4	16 42	5 3	9 20	0 12	10 33	0 7	21 20	0 57	5 49	1 1	22 21	0 54	0 25	0 41	17 26	1 46	8 14	12 46	1 46	1 44	17 0	17 56	4 51		
W16	2 40	17 51	5 16	9 24	0n 4	11 2	0 11	21 13	0 57	5 44	1 1	22 21	0 54	0 26	0 41	17 26	1 46	8 14	12 46	1 46	1 46	16 59	17 56	4 52		
T 17	2 17	18 11	5 15	9 24	0 20	11 31	0 14	21 6	0 58	5 39	1 1	22 21	0 54	0 28	0 41	17 26	1 46	8 14	12 47	1 46	1 47	16 59	17 55	4 52		
F 18	1 54	17 42	5 1	9 19	0 34	11 59	0 17	20 59	0 59	5 34	1 1	22 21	0 54	0 29	0 41	17 26	1 46	8 14	12 47	1 46	1 48	16 58	17 55	4 53		
S 19	1 31	16 27	4 33	9 10	0 47	12 27	0 20	20 51	1 0	5 29	1 2	22 21	0 54	0 31	0 41	17 26	1 46	8 13	12 47	1 46	1 49	16 57	17 54	4 53		
S 20	1 7	14 29	3 54	8 58	0 59	12 55	0 24	20 44	1 1	5 24	1 2	22 20	0 54	0 32	0 41	17 25	1 46	8 13	12 47	1 46	1 51	16 57	17 54	4 54		
M21	0 44	11 53	3 5	8 41	1 10	13 23	0 27	20 37	1 2	5 19	1 2	22 20	0 54	0 34	0 41	17 25	1 46	8 13	12 47	1 46	1 52	16 56	17 53	4 54		
T 22	0 21	8 43	2 6	8 21	1 19	13 50	0 31	20 29	1 2	5 14	1 2	22 20	0 54	0 35	0 41	17 25	1 46	8 13	12 48	1 46	1 53	16 55	17 53	4 54		
W23	0s 3	5 8	1 0	7 57	1 27	14 17	0 34	20 21	1 3	5 9	1 2	22 20	0 54	0 37	0 41	17 25	1 46	8 12	12 48	1 46	1 54	16 54	17 53	4 55		
T 24	0 26	1 15	0s 9	7 30	1 34	14 44	0 37	20 14	1 4	5 4	1 2	22 20	0 54	0 38	0 41	17 25	1 46	8 12	12 48	1 46	1 56	16 54	17 52	4 55		
F 25	0 49	2n46	1 19	7 0	1 40	15 10	0 41	20 6	1 5	4 59	1 2	22 20	0 54	0 40	0 41	17 24	1 46	8 12	12 48	1 46	1 57	16 53	17 52	4 56		
S 26	1 13	6 43	2 27	6 27	1 45	15 36	0 44	19 58	1 6	4 54	1 2	22 19	0 54	0 41	0 41	17 24	1 46	8 11	12 49	1 46	1 58	16 52	17 51	4 56		
S 27	1 36	10 24	3 28	5 53	1 49	16 2	0 48	19 50	1 7	4 49	1 2	22 19	0 54	0 43	0 41	17 24	1 46	8 11	12 49	1 46	1 59	16 52	17 51	4 57		
M28	2 0	13 36	4 18	5 16	1 51	16 27	0 51	19 41	1 7	4 44	1 2	22 19	0 54	0 44	0 41	17 23	1 46	8 11	12 49	1 47	2 1	16 51	17 50	4 57		
T 29	2 23	16 5	4 54	4 37	1 53	16 52	0 55	19 33	1 8	4 39	1 2	22 19	0 54	0 46	0 41	17 23	1 46	8 11	12 49	1 47	2 2	16 50	17 50	4 58		
W30	2s46	17n40	5s13	3n57	1n54	17s16	0s58	19n25	1n 9	4n34	1n 2	22n19	0s54	0s47	0n41	17n23	1s46	8n10	12s49	1n48	2n 3	16s49	17n49	4s58		

ASTRODIENST EPHEMERIS for the year 1885
geocentric

OCTOBER 1885

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	0 39 33	7♏57'59	1♌40	26♏12	16♏12	8♏30	21♏7	8♏3	3♏38	25°R18	2°R58	25°D29	24♏47	24♏38	16°R28	T 1
F 2	0 43 30	8°57'04	15°50	27°58	17°24	9°6	21°19	8°5	3°42	25♏17	2♏58	25♏29	24°44	24°44	16♏27	F 2
S 3	0 47 26	9°56'11	0♏6	29°44	18°35	9°41	21°32	8°7	3°45	25°16	2°57	25°30	24°40	24°51	16°26	S 3
S 4	0 51 23	10°55'20	14°23	1♏31	19°46	10°17	21°45	8°9	3°49	25°15	2°57	25°31	24°37	24°58	16°26	S 4
M 5	0 55 20	11°54'32	28°40	3°18	20°57	10°52	21°57	8°10	3°53	25°14	2°56	25°32	24°34	25°4	16°25	M 5
T 6	0 59 16	12°53'46	12♏53	5°4	22°9	11°27	22°10	8°12	3°57	25°13	2°55	25°33	24°31	25°11	16°24	T 6
W 7	1 3 13	13°53'03	26°59	6°51	23°20	12°2	22°22	8°14	4°0	25°12	2°55	25°R33	24°28	25°18	16°23	W 7
T 8	1 7 9	14°52'21	10♏52	8°37	24°31	12°37	22°35	8°15	4°4	25°11	2°54	25°32	24°25	25°24	16°22	T 8
F 9	1 11 6	15°51'41	24°31	10°23	25°42	13°12	22°47	8°16	4°8	25°9	2°53	25°31	24°21	25°31	16°21	F 9
S 10	1 15 2	16°51'04	7♏53	12°9	26°53	13°47	23°0	8°18	4°12	25°8	2°53	25°28	24°18	25°38	16°20	S 10
S 11	1 18 59	17°50'28	20°55	13°54	28°4	14°21	23°12	8°19	4°15	25°7	2°52	25°25	24°15	25°45	16°18	S 11
M12	1 22 55	18°49'55	3♏39	15°38	29°14	14°56	23°24	8°20	4°19	25°6	2°51	25°21	24°12	25°51	16°17	M12
T 13	1 26 52	19°49'23	16°6	17°22	0♏25	15°30	23°37	8°21	4°23	25°4	2°50	25°18	24°9	25°58	16°16	T 13
W14	1 30 49	20°48'53	28°17	19°5	1°36	16°5	23°49	8°22	4°26	25°3	2°49	25°15	24°6	26°5	16°14	W14
T 15	1 34 45	21°48'25	10♏18	20°48	2°47	16°39	24°1	8°22	4°30	25°2	2°49	25°13	24°2	26°11	16°13	T 15
F 16	1 38 42	22°47'59	22°11	22°30	3°57	17°13	24°13	8°23	4°34	25°0	2°48	25°D12	23°59	26°18	16°11	F 16
S 17	1 42 38	23°47'34	4♏3	24°11	5°8	17°47	24°26	8°23	4°37	24°59	2°47	25°13	23°56	26°25	16°9	S 17
S 18	1 46 35	24°47'11	15°57	25°52	6°18	18°21	24°38	8°24	4°41	24°57	2°46	25°14	23°53	26°31	16°8	S 18
M19	1 50 31	25°46'50	27°59	27°32	7°29	18°55	24°50	8°24	4°45	24°56	2°45	25°16	23°50	26°38	16°6	M19
T 20	1 54 28	26°46'30	10♏13	29°11	8°39	19°28	25°2	8°24	4°48	24°55	2°44	25°18	23°46	26°45	16°4	T 20
W21	1 58 24	27°46'13	22°43	0♏50	9°49	20°2	25°14	8°R24	4°52	24°53	2°44	25°R18	23°43	26°52	16°2	W21
T 22	2 2 21	28°45'57	5♏32	2°28	10°59	20°35	25°25	8°24	4°55	24°52	2°43	25°18	23°40	26°58	16°0	T 22
F 23	2 6 17	29°45'43	18°40	4°6	12°9	21°8	25°37	8°24	4°59	24°50	2°42	25°16	23°37	27°5	15°58	F 23
S 24	2 10 14	0♏45'31	2♏8	5°43	13°19	21°41	25°49	8°23	5°2	24°49	2°41	25°12	23°34	27°12	15°56	S 24
S 25	2 14 11	1°45'21	15°54	7°19	14°29	22°14	26°1	8°23	5°6	24°47	2°40	25°7	23°31	27°18	15°54	S 25
M26	2 18 7	2°45'13	29°55	8°55	15°39	22°47	26°12	8°22	5°9	24°46	2°39	25°1	23°27	27°25	15°52	M26
T 27	2 22 4	3°45'07	14♏5	10°31	16°49	23°20	26°24	8°22	5°13	24°44	2°38	24°55	23°24	27°32	15°49	T 27
W28	2 26 0	4°45'03	28°22	12°6	17°58	23°53	26°35	8°21	5°16	24°42	2°37	24°49	23°21	27°38	15°47	W28
T 29	2 29 57	5°45'01	12♏39	13°40	19°8	24°25	26°47	8°20	5°20	24°41	2°36	24°45	23°18	27°45	15°44	T 29
F 30	2 33 53	6°45'02	26°53	15°14	20°17	24°58	26°58	8°19	5°23	24°39	2°35	24°43	23°15	27°52	15°42	F 30
S 31	2 37 50	7♏45'05	11♏3	16♏48	21♏26	25♏30	27♏9	8♏18	5♏26	24♏38	2♏34	24°D43	23♏12	27♏59	15♏39	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	3s10	18n12	5s15	3n15	1n54	17s41	1s 1	19n16	1n10	4n29	1n 2	22n19	0s54	0s49	0n41	17n23	1s46	8n10	12s50	1n48	2n 4	16s49	17n49	4s59		
F 2	3 33	17 36	4 57	2 32	1 53	18 4	1 5	19 8	1 11	4 24	1 2	22 18	0 54	0 50	0 41	17 22	1 46	8 10	12 50	1 48	2 6	16 48	17 48	4 59		
S 3	3 56	15 54	4 21	1 49	1 52	18 27	1 8	18 59	1 12	4 19	1 3	22 18	0 54	0 52	0 41	17 22	1 46	8 9	12 50	1 48	2 7	16 47	17 48	4 59		
S 4	4 19	13 12	3 28	1 5	1 50	18 50	1 12	18 50	1 13	4 14	1 3	22 18	0 54	0 53	0 41	17 22	1 47	8 9	12 50	1 47	2 8	16 47	17 47	5 0		
M 5	4 43	9 42	2 23	0 20	1 47	19 13	1 15	18 42	1 13	4 9	1 3	22 18	0 54	0 55	0 41	17 21	1 47	8 9	12 50	1 47	2 10	16 46	17 47	5 0		
T 6	5 6	5 39	1 9	0s26	1 44	19 35	1 18	18 33	1 14	4 4	1 3	22 18	0 54	0 56	0 41	17 21	1 47	8 8	12 50	1 46	2 11	16 45	17 46	5 1		
W 7	5 29	1 19	0n 8	1 11	1 40	19 56	1 22	18 24	1 15	3 59	1 3	22 18	0 54	0 58	0 41	17 21	1 47	8 8	12 51	1 46	2 12	16 44	17 46	5 1		
T 8	5 52	3s 1	1 24	1 57	1 36	20 17	1 25	18 15	1 16	3 55	1 3	22 18	0 54	0 59	0 41	17 21	1 47	8 8	12 51	1 46	2 13	16 44	17 45	5 2		
F 9	6 15	7 8	2 33	2 42	1 32	20 37	1 28	18 6	1 17	3 50	1 3	22 18	0 54	1 1	0 41	17 20	1 47	8 8	12 51	1 47	2 15	16 43	17 44	5 2		
S 10	6 37	10 47	3 32	3 28	1 27	20 57	1 32	17 56	1 18	3 45	1 3	22 18	0 54	1 2	0 41	17 20	1 47	8 7	12 51	1 48	2 16	16 42	17 44	5 3		
S 11	7 0	13 49	4 19	4 13	1 22	21 17	1 35	17 47	1 19	3 40	1 3	22 18	0 54	1 4	0 41	17 20	1 47	8 7	12 51	1 49	2 17	16 41	17 43	5 3		
M12	7 23	16 7	4 52	4 58	1 17	21 36	1 38	17 38	1 20	3 35	1 3	22 17	0 54	1 5	0 41	17 19	1 47	8 7	12 51	1 51	2 18	16 41	17 43	5 4		
T 13	7 45	17 35	5 10	5 43	1 11	21 54	1 41	17 29	1 20	3 31	1 3	22 17	0 54	1 7	0 41	17 19	1 47	8 6	12 52	1 52	2 20	16 40	17 42	5 4		
W14	8 8	18 13	5 14	6 28	1 6	22 12	1 44	17 19	1 21	3 26	1 4	22 17	0 54	1 8	0 41	17 19	1 47	8 6	12 52	1 53	2 21	16 39	17 42	5 4		
T 15	8 30	18 1	5 3	7 12	0 0	22 29	1 48	17 10	1 22	3 21	1 4	22 17	0 54	1 9	0 41	17 18	1 47	8 6	12 52	1 54	2 22	16 38	17 41	5 5		
F 16	8 52	17 1	4 40	7 56	0 53	22 46	1 51	17 0	1 23	3 16	1 4	22 17	0 54	1 11	0 41	17 18	1 47	8 6	12 52	1 54	2 23	16 38	17 40	5 5		
S 17	9 14	15 17	4 5	8 39	0 47	23 2	1 54	16 51	1 24	3 12	1 4	22 17	0 54	1 12	0 41	17 17	1 47	8 5	12 52	1 54	2 25	16 37	17 40	5 6		
S 18	9 36	12 54	3 19	9 22	0 41	23 17	1 57	16 41	1 25	3 7	1 4	22 17	0 54	1 14	0 41	17 17	1 47	8 5	12 52	1 54	2 26	16 36	17 39	5 6		
M19	9 58	9 55	2 24	10 4	0 34	23 32	2 0	16 31	1 26	3 2	1 4	22 17	0 54	1 15	0 41	17 17	1 47	8 5	12 52	1 53	2 27	16 35	17 39	5 6		
T 20	10 20	6 29	1 22	10 46	0 28	23 46	2 2	16 22	1 27	2 58	1 4	22 17	0 54	1 17	0 41	17 16	1 47	8 4	12 53	1 52	2 28	16 35	17 38	5 7		
W21	10 41	2 40	0 14	11 26	0 21	24 0	2 5	16 12	1 28	2 53	1 4	22 17	0 54	1 18	0 41	17 16	1 47	8 4	12 53	1 52	2 30	16 34	17 37	5 7		
T 22	11 2	1n21	0s56	12 7	0 14	24 13	2 8	16 2	1 29	2 48	1 5	22 17	0 54	1 19	0 41	17 16	1 47	8 4	12 53	1 52	2 31	16 33	17 37	5 8		
F 23	11 24	5 24	2 4	12 46	0 7	24 25	2 11	15 52	1 30	2 44	1 5	22 17	0 54	1 21	0 41	17 15	1 47	8 4	12 53	1 53	2 32	16 32	17 36	5 8		
S 24	11 45	9 18	3 7	13 25	0 1	24 37	2 13	15 43	1 31	2 39	1 5	22 17	0 54	1 22	0 41	17 15	1 47	8 3	12 53	1 54	2 33	16 31	17 36	5 8		
S 25	12 5	12 46	4 1	14 3	0s6	24 48	2 16	15 33	1 32	2 35	1 5	22 17	0 54	1 24	0 42	17 14	1 47	8 3	12 53	1 57	2 35	16 31	17 35	5 9		
M26	12 26	15 34	4 41	14 41	0 13	24 58	2 18	15 23	1 32	2 30	1 5	22 17	0 54	1 25	0 42	17 14	1 47	8 3	12 53	1 59	2 36	16 30	17 34	5 9		
T 27	12 46	17 28	5 4	15 17	0 20	25 8	2 21	15 13	1 33	2 26	1 5	22 17	0 54	1 26	0 42	17 14	1 47	8 2	12 53	2 1	2 37	16 29	17 34	5 10		
W28	13 7	18 17	5 9	15 53	0 26	25 17	2 23	15 3	1 34	2 21	1 5	22 17	0 54	1 28	0 42	17 13	1 47	8 2	12 53	2 3	2 38	16 28	17 33	5 10		
T 29	13 27	17 57	4 55	16 28	0 33	25 26	2 26	14 53	1 35	2 17	1 5	22 17	0 54	1 29	0 42	17 13	1 47	8 2	12 54	2 5	2 40	16 27	17 33	5 10		
F 30	13 47	16 30	4 23	17 3	0 40	25 33	2 28	14 43	1 36	2 13	1 6	22 18	0 54	1 30	0 42	17 12	1 47	8 2	12 54	2 6	2 41	16 27	17 32	5 11		
S 31	14s 6	14n 2	3s34	17s36	0s46	25s40	2s30	14n33	1n37	2n 8	1n 6	22n18	0s54	1s32	0n42	17n12	1s47	8n 1	12s54	2n 6	2n42	16s26	17n31	5s11		

ASTRODIENST EPHEMERIS for the year 1885

geocentric

DECEMBER 1885

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 40 3	9° 0'21	3° 13	0° 14	26° 4	10° 45	2° 17	6° 54	6° 55	23° 46	2° 0	22° 27	21° 33	1° 26	14° 0	T 1
W 2	4 44 0	10° 1'14	16° 30	1° 13	27° 7	11° 11	2° 25	6° 49	6° 57	23° 44	1° 59	22° 25	21° 30	1° 33	13° 56	W 2
T 3	4 47 56	11° 2'08	29° 35	2° 8	28° 11	11° 37	2° 33	6° 45	6° 59	23° 43	1° 58	22° 20	21° 27	1° 39	13° 52	T 3
F 4	4 51 53	12° 3'03	12° 30	2° 57	29° 14	12° 2	2° 41	6° 41	7° 1	23° 41	1° 56	22° 13	21° 23	1° 46	13° 49	F 4
S 5	4 55 49	13° 3'59	25° 13	3° 40	0° 17	12° 28	2° 49	6° 37	7° 3	23° 40	1° 55	22° 2	21° 20	1° 53	13° 45	S 5
S 6	4 59 46	14° 4'57	7° 46	4° 17	1° 19	12° 53	2° 56	6° 32	7° 5	23° 38	1° 54	21° 48	21° 17	2° 0	13° 41	S 6
M 7	5 3 42	15° 5'56	20° 9	4° 47	2° 21	13° 18	3° 4	6° 28	7° 7	23° 36	1° 53	21° 34	21° 14	2° 6	13° 38	M 7
T 8	5 7 39	16° 6'55	2° 22	5° 7	3° 23	13° 42	3° 11	6° 24	7° 9	23° 35	1° 52	21° 19	21° 11	2° 13	13° 34	T 8
W 9	5 11 36	17° 7'55	14° 25	5° 19	4° 24	14° 7	3° 19	6° 19	7° 11	23° 33	1° 51	21° 6	21° 8	2° 20	13° 30	W 9
T 10	5 15 32	18° 8'56	26° 20	5° 25	5° 25	14° 31	3° 26	6° 15	7° 13	23° 32	1° 50	20° 55	21° 4	2° 26	13° 27	T 10
F 11	5 19 29	19° 9'58	8° 10	5° 12	6° 25	14° 54	3° 33	6° 10	7° 15	23° 30	1° 49	20° 46	21° 1	2° 33	13° 23	F 11
S 12	5 23 25	20° 11'00	19° 58	4° 52	7° 26	15° 18	3° 40	6° 5	7° 16	23° 29	1° 48	20° 41	20° 58	2° 40	13° 20	S 12
S 13	5 27 22	21° 12'03	1° 47	4° 20	8° 25	15° 41	3° 47	6° 1	7° 18	23° 27	1° 47	20° 38	20° 55	2° 46	13° 16	S 13
M14	5 31 18	22° 13'06	13° 44	3° 37	9° 25	16° 3	3° 53	5° 56	7° 20	23° 26	1° 46	20° 37	20° 52	2° 53	13° 12	M14
T 15	5 35 15	23° 14'10	25° 52	2° 43	10° 23	16° 26	4° 0	5° 51	7° 21	23° 25	1° 45	20° 37	20° 49	3° 0	13° 9	T 15
W16	5 39 11	24° 15'14	8° 19	1° 38	11° 22	16° 48	4° 6	5° 46	7° 23	23° 23	1° 44	20° 37	20° 45	3° 6	13° 5	W16
T 17	5 43 8	25° 16'18	21° 8	0° 26	12° 19	17° 9	4° 12	5° 42	7° 24	23° 22	1° 42	20° 35	20° 42	3° 13	13° 2	T 17
F 18	5 47 5	26° 17'23	4° 25	29° 8	13° 17	17° 31	4° 18	5° 37	7° 26	23° 20	1° 41	20° 30	20° 39	3° 20	12° 58	F 18
S 19	5 51 1	27° 18'28	18° 12	27° 46	14° 13	17° 52	4° 24	5° 32	7° 27	23° 19	1° 40	20° 23	20° 36	3° 27	12° 55	S 19
S 20	5 54 58	28° 19'33	2° 27	26° 23	15° 9	18° 12	4° 29	5° 27	7° 28	23° 18	1° 39	20° 13	20° 33	3° 33	12° 51	S 20
M21	5 58 54	29° 20'39	17° 9	25° 2	16° 5	18° 33	4° 35	5° 22	7° 30	23° 16	1° 38	20° 2	20° 29	3° 40	12° 48	M21
T 22	6 2 51	0° 21'45	2° 8	23° 46	17° 0	18° 53	4° 40	5° 17	7° 31	23° 15	1° 37	19° 50	20° 26	3° 47	12° 44	T 22
W23	6 6 47	1° 22'51	17° 16	22° 37	17° 54	19° 12	4° 46	5° 12	7° 32	23° 14	1° 36	19° 39	20° 23	3° 53	12° 41	W23
T 24	6 10 44	2° 23'58	2° 23	21° 36	18° 48	19° 31	4° 51	5° 7	7° 33	23° 13	1° 36	19° 30	20° 20	4° 0	12° 37	T 24
F 25	6 14 41	3° 25'06	17° 18	20° 45	19° 41	19° 50	4° 55	5° 2	7° 34	23° 11	1° 35	19° 24	20° 17	4° 7	12° 34	F 25
S 26	6 18 37	4° 26'13	1° 55	20° 4	20° 33	20° 8	5° 0	4° 57	7° 35	23° 10	1° 34	19° 21	20° 14	4° 13	12° 31	S 26
S 27	6 22 34	5° 27'22	16° 9	19° 34	21° 24	20° 26	5° 5	4° 52	7° 36	23° 9	1° 33	19° 20	20° 10	4° 20	12° 27	S 27
M28	6 26 30	6° 28'30	0° 1	19° 14	22° 15	20° 44	5° 9	4° 47	7° 37	23° 8	1° 32	19° 20	20° 7	4° 27	12° 24	M28
T 29	6 30 27	7° 29'40	13° 30	19° 4	23° 5	21° 1	5° 13	4° 42	7° 38	23° 7	1° 31	19° 20	20° 4	4° 33	12° 21	T 29
W30	6 34 23	8° 30'49	26° 39	19° 4	23° 54	21° 17	5° 17	4° 38	7° 38	23° 6	1° 30	19° 19	20° 1	4° 40	12° 18	W30
T 31	6 38 20	9° 31'59	9° 32	19° 13	24° 42	21° 33	5° 21	4° 33	7° 39	23° 5	1° 29	19° 15	19° 58	4° 47	12° 15	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
T 1	21s49	0s25	0n57	25s42	2s15	23s38	2s44	9n34	2n11	0n11	1n11	22n23	0s53	2s 6	0n42	17n 0	1s47	7n55	12s54	3n 0	3n21	16s 0	17n13	5s19			
W 2	21 58	4 35	2 4	25 36	2 10	23 24	2 42	9 25	2 12	0 8	1 11	22 23	0 53	2 7	0 42	16 59	1 47	7 55	12 54	3 1	3 22	15 59	17 12	5 19			
T 3	22 7	8 29	3 3	25 30	2 4	23 9	2 40	9 16	2 14	0 5	1 12	22 24	0 53	2 7	0 42	16 59	1 47	7 55	12 54	3 2	3 24	15 58	17 11	5 19			
F 4	22 15	11 55	3 52	25 21	1 56	22 54	2 38	9 8	2 15	0 2	1 12	22 24	0 53	2 8	0 42	16 58	1 47	7 54	12 54	3 6	3 25	15 57	17 11	5 20			
S 5	22 23	14 44	4 28	25 12	1 48	22 38	2 36	8 59	2 16	0s 1	1 12	22 24	0 53	2 9	0 42	16 58	1 47	7 54	12 54	3 10	3 26	15 56	17 10	5 20			
S 6	22 30	16 50	4 51	25 1	1 38	22 22	2 34	8 51	2 17	0 4	1 12	22 25	0 53	2 10	0 43	16 58	1 47	7 54	12 54	3 15	3 27	15 55	17 10	5 20			
M 7	22 37	18 6	5 0	24 49	1 27	22 6	2 31	8 42	2 19	0 7	1 13	22 25	0 53	2 11	0 43	16 57	1 47	7 54	12 54	3 21	3 29	15 54	17 9	5 20			
T 8	22 44	18 32	4 54	24 36	1 15	21 49	2 28	8 34	2 20	0 9	1 13	22 25	0 53	2 11	0 43	16 57	1 47	7 54	12 53	3 27	3 30	15 53	17 9	5 20			
W 9	22 50	18 6	4 36	24 22	1 2	21 31	2 25	8 26	2 21	0 12	1 13	22 25	0 53	2 12	0 43	16 57	1 47	7 54	12 53	3 32	3 31	15 52	17 8	5 20			
T 10	22 55	16 53	4 5	24 7	0 47	21 14	2 22	8 18	2 23	0 15	1 13	22 26	0 53	2 13	0 43	16 56	1 47	7 54	12 53	3 36	3 32	15 51	17 8	5 20			
F 11	23 1	14 57	3 24	23 51	0 30	20 55	2 19	8 10	2 24	0 17	1 13	22 26	0 53	2 13	0 43	16 56	1 47	7 54	12 53	3 40	3 34	15 51	17 7	5 20			
S 12	23 5	12 23	2 35	23 35	0 13	20 37	2 16	8 2	2 25	0 20	1 14	22 26	0 53	2 14	0 43	16 56	1 47	7 54	12 53	3 42	3 35	15 50	17 7	5 20			
S 13	23 10	9 19	1 38	23 17	0n 6	20 17	2 12	7 54	2 27	0 22	1 14	22 27	0 52	2 15	0 43	16 55	1 47	7 54	12 53	3 43	3 36	15 49	17 6	5 20			
M14	23 13	5 51	0 36	22 59	0 25	19 58	2 8	7 46	2 28	0 25	1 14	22 27	0 52	2 15	0 43	16 55	1 47	7 53	12 53	3 43	3 37	15 48	17 6	5 20			
T 15	23 17	2 4	0s28	22 40	0 45	19 38	2 4	7 39	2 29	0 27	1 14	22 27	0 52	2 16	0 43	16 55	1 47	7 53	12 53	3 43	3 39	15 47	17 5	5 20			
W16	23 20	1n53	1 32	22 21	1 5	19 18	2 0	7 32	2 31	0 29	1 15	22 27	0 52	2 16	0 43	16 54	1 47	7 53	12 52	3 43	3 40	15 46	17 5	5 20			
T 17	23 22	5 52	2 34	22 2	1 25	18 58	1 56	7 24	2 32	0 31	1 15	22 28	0 52	2 17	0 43	16 54	1 47	7 53	12 52	3 44	3 41	15 45	17 4	5 20			
F 18	23 24	9 43	3 30	21 43	1 44	18 37	1 51	7 17	2 33	0 34	1 15	22 28	0 52	2 17	0 43	16 54	1 47	7 53	12 52	3 46	3 42	15 44	17 4	5 20			
S 19	23 25	13 10	4 15	21 24	2 2	18 16	1 46	7 10	2 35	0 36	1 15	22 28	0 52	2 18	0 43	16 53	1 47	7 53	12 52	3 49	3 44	15 43	17 4	5 20			
S 20	23 26	15 59	4 47	21 7	2 18	17 55	1 41	7 4	2 36	0 38	1 16	22 29	0 52	2 18	0 43	16 53	1 47	7 53	12 52	3 53	3 45	15 42	17 3	5 20			
M21	23 27	17 51	5 0	20 50	2 32	17 33	1 36	6 57	2 38	0 40	1 16	22 29	0 52	2 19	0 43	16 53	1 47	7 53	12 52	3 57	3 46	15 41	17 3	5 20			
T 22	23 27	18 32	4 54	20 35	2 43	17 11	1 30	6 51	2 39	0 42	1 16	22 29	0 52	2 19	0 43	16 53	1 47	7 53	12 52	4 2	3 47	15 40	17 2	5 20			
W23	23 27	17 55	4 27	20 23	2 52	16 49	1 25	6 44	2 41	0 43	1 16	22 29	0 52	2 20	0 43	16 52	1 47	7 53	12 51	4 6	3 49	15 39	17 2	5 20			
T 24	23 26	16 3	3 41	20 12	2 59	16 27	1 19	6 38	2 42	0 45	1 17	22 30	0 51	2 20	0 43	16 52	1 46	7 53	12 51	4 9	3 50	15 38	17 2	5 20			
F 25	23 24	13 6	2 41	20 5	3 4	16 5	1 13	6 32	2 44	0 47	1 17	22 30	0 51	2 21	0 43	16 52	1 46	7 53	12 51	4 12	3 51	15 38	17 1	5 20			
S 26	23 23	9 23	1 31	19 59	3 6	15 42	1 6	6 26	2 45	0 49	1 17	22 30	0 51	2 21	0 43	16 52	1 46	7 53	12 51	4 13	3 52	15 37	17 1	5 20			
S 27	23 20	5 12	0 17	19 57	3 6	15 19	1 0	6 21	2 47	0 50	1 17	22 31	0 51	2 21	0 43	16 51	1 46	7 53	12 51	4 13	3 54	15 36	17 1	5 20			
M28	23 18	0 52	0n56	19 57	3 4	14 56	0 53	6 15	2 48	0 52	1 18	22 31	0 51	2 22	0 43	16 51	1 46	7 53	12 51	4 13	3 55	15 35	17 0	5 20			
T 29	23 14	3s25	2 5	19 59	3 1	14 33	0 46	6 10	2 50	0 53	1 18	22 31	0 51	2 22	0 43	16 51	1 46	7 53	12 50	4 13	3 56	15 34	17 0	5 20			
W30	23 11	7 25	3 4	20 4	2 57	14 10	0 39	6 5	2 51	0 54	1 18	22 31	0 51	2 22	0 43	16 51	1 46	7 53	12 50	4 14	3 57	15 33	17 0	5 20			
T 31	23s 7	10s59	3n53	20s10	2n52	13s47	0s31	6n 0	2n53	0s56	1n18	22n32	0s51	2s22	0n43	16n50	1s46	7n53	12s50	4n16	3n59	15s32	16n59	5s20			