



Astrodienst Ephemeris Tables for the year 1785

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 1785
geocentric

JANUARY 1785

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 44 7	11 ³ 4'56	10 ¹⁷ 42	27 ³ 51	16 ³ 36	10 ²⁷ 24	5 ¹ 16	24 ³ 31	14 ¹ R31	14 ¹ 32	10 ³ 18	21 ³ 46	23 ³ 20	5 ¹⁷ 8	20 ¹ R38	S 1
S 2	6 48 3	12° 6'05	22°29	29°19	17°49	11° 6	5°28	24°38	14 ¹ 29	14°33	10°20	21°48	23°17	5°15	20 ² 36	S 2
M 3	6 52 0	13° 7'15	4 ¹ 22	0 ³ 45	19° 3	11°49	5°39	24°45	14°26	14°33	10°21	21°50	23°14	5°21	20°34	M 3
T 4	6 55 56	14° 8'25	16°24	2° 9	20°16	12°32	5°51	24°52	14°24	14°34	10°23	21°R50	23°10	5°28	20°33	T 4
W 5	6 59 53	15° 9'35	28°41	3°30	21°29	13°14	6° 2	24°59	14°21	14°34	10°25	21°49	23° 7	5°35	20°31	W 5
T 6	7 3 49	16°10'45	11 ¹ 18	4°47	22°42	13°57	6°14	25° 6	14°18	14°34	10°26	21°46	23° 4	5°41	20°30	T 6
F 7	7 7 46	17°11'55	24°18	6° 1	23°55	14°40	6°26	25°13	14°16	14°35	10°28	21°42	23° 1	5°48	20°28	F 7
S 8	7 11 42	18°13'05	7 ² 45	7° 9	25° 8	15°23	6°38	25°21	14°13	14°35	10°30	21°37	22°58	5°55	20°27	S 8
S 9	7 15 39	19°14'15	21°37	8°12	26°21	16° 5	6°50	25°28	14°11	14°35	10°32	21°31	22°54	6° 1	20°26	S 9
M10	7 19 36	20°15'25	5 ³ 53	9° 9	27°33	16°48	7° 2	25°35	14° 8	14°35	10°33	21°26	22°51	6° 8	20°24	M10
T 11	7 23 32	21°16'34	20°28	9°59	28°46	17°31	7°14	25°42	14° 5	14°36	10°35	21°23	22°48	6°15	20°23	T 11
W12	7 27 29	22°17'43	5 ³ 15	10°41	29°59	18°14	7°26	25°49	14° 3	14°36	10°37	21°20	22°45	6°21	20°22	W12
T 13	7 31 25	23°18'51	20° 6	11°14	1 ¹ 11	18°57	7°38	25°56	14° 0	14°36	10°39	21°D19	22°42	6°28	20°21	T 13
F 14	7 35 22	24°19'59	4 ¹ 54	11°37	2°24	19°40	7°51	26° 3	13°58	14°36	10°40	21°20	22°39	6°34	20°20	F 14
S 15	7 39 18	25°21'06	19°33	11°49	3°36	20°23	8° 3	26°10	13°55	14°R36	10°42	21°21	22°35	6°41	20°19	S 15
S 16	7 43 15	26°22'12	3 ¹ 58	11°R51	4°49	21° 6	8°16	26°17	13°53	14°36	10°44	21°23	22°32	6°48	20°18	S 16
M17	7 47 12	27°23'17	18° 5	11°40	6° 1	21°49	8°29	26°25	13°50	14°36	10°46	21°24	22°29	6°54	20°18	M17
T 18	7 51 8	28°24'21	1 ¹ 54	11°19	7°13	22°33	8°41	26°32	13°48	14°36	10°47	21°R24	22°26	7° 1	20°17	T 18
W19	7 55 5	29°25'24	15°26	10°45	8°25	23°16	8°54	26°39	13°45	14°36	10°49	21°23	22°23	7° 8	20°16	W19
T 20	7 59 1	0 ³ 26'26	28°40	10° 1	9°37	23°59	9° 7	26°46	13°43	14°35	10°51	21°21	22°20	7°14	20°16	T 20
F 21	8 2 58	1°27'27	11 ¹ 39	9° 8	10°49	24°42	9°20	26°53	13°40	14°35	10°53	21°18	22°16	7°21	20°15	F 21
S 22	8 6 54	2°28'27	24°24	8° 6	12° 1	25°26	9°33	27° 0	13°38	14°35	10°55	21°15	22°13	7°28	20°15	S 22
S 23	8 10 51	3°29'26	6 ¹ 55	6°57	13°13	26° 9	9°46	27° 7	13°35	14°35	10°56	21°12	22°10	7°34	20°15	S 23
M24	8 14 47	4°30'24	19°16	5°44	14°25	26°52	9°59	27°14	13°33	14°34	10°58	21°10	22° 7	7°41	20°14	M24
T 25	8 18 44	5°31'21	1 ¹ 26	4°29	15°36	27°36	10°12	27°21	13°31	14°34	11° 0	21° 8	22° 4	7°48	20°14	T 25
W26	8 22 41	6°32'17	13°27	3°14	16°48	28°19	10°25	27°28	13°28	14°34	11° 2	21° 7	22° 0	7°54	20°14	W26
T 27	8 26 37	7°33'12	25°22	2° 1	17°59	29° 3	10°39	27°36	13°26	14°33	11° 4	21°D 7	21°57	8° 1	20°14	T 27
F 28	8 30 34	8°34'06	7 ¹ 12	0°52	19°10	29°46	10°52	27°43	13°24	14°33	11° 6	21° 8	21°54	8° 8	20°D14	F 28
S 29	8 34 30	9°35'00	18°59	29 ³ 48	20°21	0 ³ 30	11° 6	27°50	13°21	14°33	11° 7	21° 9	21°51	8°14	20°14	S 29
S 30	8 38 27	10°35'52	0 ¹ 48	28°52	21°32	1°13	11°19	27°57	13°19	14°32	11° 9	21°10	21°48	8°21	20°14	S 30
M31	8 42 23	11 ³ 36'43	12 ¹ 41	28 ³ 3	22 ¹ 43	1 ³ 57	11 ¹ 33	28 ³ 4	13 ¹ 17	14 ¹ 32	11 ³ 11	21 ³ 11	21 ³ 45	8 ¹⁷ 28	20 ³ 14	M31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 0	6n 0	1s41	22s24	1s49	17s36	1s48	22s 7	0s 4	10s36	1s 6	21s24	0s10	23n 6	0n26	4s16	1n36	24s19	6s54	14s16	13s46	8n40	14n50	3s12
S 2	22 55	0 32	2 40	22 0	1 43	17 13	1 47	22 13	0 5	10 32	1 5	21 23	0 10	23 6	0 26	4 16	1 36	24 18	6 54	14 15	13 47	8 36	14 50	3 12
M 3	22 49	4s58	3 31	21 35	1 37	16 49	1 46	22 20	0 6	10 28	1 5	21 22	0 10	23 7	0 26	4 16	1 36	24 18	6 54	14 15	13 48	8 33	14 50	3 12
T 4	22 43	10 22	4 15	21 9	1 29	16 25	1 45	22 26	0 7	10 23	1 5	21 20	0 10	23 7	0 26	4 16	1 36	24 17	6 54	14 15	13 49	8 30	14 49	3 12
W 5	22 36	15 29	4 47	20 42	1 21	16 0	1 44	22 32	0 7	10 19	1 5	21 19	0 10	23 7	0 26	4 16	1 36	24 17	6 54	14 15	13 50	8 27	14 49	3 12
T 6	22 29	20 6	5 7	20 15	1 11	15 35	1 43	22 38	0 8	10 15	1 5	21 18	0 10	23 7	0 26	4 17	1 36	24 16	6 54	14 16	13 51	8 23	14 49	3 12
F 7	22 22	23 54	5 12	19 46	1 1	15 10	1 42	22 44	0 9	10 10	1 5	21 17	0 10	23 8	0 26	4 17	1 36	24 16	6 54	14 17	13 52	8 20	14 49	3 12
S 8	22 14	26 33	5 0	19 18	0 49	14 44	1 40	22 49	0 9	10 6	1 5	21 16	0 10	23 8	0 26	4 17	1 36	24 15	6 54	14 19	13 53	8 17	14 48	3 12
S 9	22 5	27 42	4 30	18 50	0 37	14 18	1 39	22 54	0 10	10 1	1 5	21 14	0 10	23 8	0 26	4 17	1 36	24 15	6 54	14 21	13 54	8 14	14 48	3 12
M10	21 56	27 4	3 44	18 22	0 24	13 51	1 37	22 59	0 11	9 56	1 5	21 13	0 10	23 9	0 26	4 17	1 36	24 14	6 54	14 22	13 55	8 10	14 48	3 11
T 11	21 47	24 34	2 41	17 55	0 9	13 24	1 35	23 4	0 11	9 52	1 5	21 12	0 10	23 9	0 26	4 17	1 36	24 14	6 54	14 24	13 56	8 7	14 48	3 11
W12	21 37	20 23	1 27	17 29	0n 6	12 57	1 34	23 9	0 12	9 47	1 4	21 11	0 10	23 9	0 26	4 17	1 36	24 13	6 54	14 24	13 57	8 4	14 47	3 11
T 13	21 27	14 54	0 7	17 4	0 22	12 30	1 32	23 13	0 13	9 43	1 4	21 9	0 10	23 9	0 26	4 17	1 36	24 13	6 54	14 25	13 58	8 1	14 47	3 11
F 14	21 17	8 34	1n14	16 41	0 40	12 2	1 30	23 17	0 13	9 38	1 4	21 8	0 10	23 10	0 26	4 17	1 37	24 12	6 54	14 25	13 59	7 57	14 47	3 11
S 15	21 6	1 51	2 29	16 21	0 57	11 34	1 28	23 21	0 14	9 33	1 4	21 7	0 11	23 10	0 26	4 17	1 37	24 12	6 54	14 24	14 0	7 54	14 47	3 11
S 16	20 54	4n51	3 34	16 3	1 15	11 5	1 26	23 25	0 15	9 28	1 4	21 6	0 11	23 10	0 26	4 16	1 37	24 11	6 54	14 24	14 1	7 51	14 47	3 11
M17	20 43	11 10	4 24	15 48	1 34	10 36	1 23	23 29	0 16	9 23	1 4	21 4	0 11	23 10	0 26	4 16	1 37	24 11	6 54	14 23	14 2	7 48	14 47	3 11
T 18	20 30	16 48	4 57	15 37	1 52	10 7	1 21	23 32	0 16	9 19	1 4	21 3	0 11	23 11	0 26	4 16	1 37	24 10	6 54	14 23	14 3	7 44	14 47	3 11
W19	20 18	21 28	5 14	15 28	2 10	9 38	1 19	23 35	0 17	9 14	1 4	21 2	0 11	23 11	0 26	4 16	1 37	24 10	6 54	14 24	14 4	7 41	14 47	3 10
T 20	20 5	24 58	5 13	15 24	2 27	9 9	1 16	23 38	0 18	9 9	1 4	21 0	0 11	23 11	0 26	4 16	1 37	24 9	6 54	14 24	14 5	7 38	14 46	3 10
F 21	19 52	27 5	4 56	15 22	2 43	8 39	1 14	23 40	0 18	9 4	1 4	20 59	0 11	23 11	0 26	4 16	1 37	24 9	6 54	14 25	14 6	7 35	14 46	3 10
S 22	19 38	27 45	4 24	15 24	2 57	8 9	1 11	23 43	0 19	8 59	1 4	20 58	0 11	23 12	0 26	4 16	1 37	24 8	6 54	14 26	14 7	7 31	14 46	3 10
S 23	19 24	26 58	3 41	15 30	3 10	7 39	1 8	23 45	0 20	8 54	1 4	20 57	0 11	23 12	0 26	4 16	1 37	24 8	6 54	14 27	14 8	7 28	14 46	3 10
M24	19 10	24 51	2 47	15 37	3 20	7 9	1 5	23 47	0 21	8 49	1 4	20 55	0 11	23 12	0 26	4 16	1 37	24 7	6 54	14 28	14 9	7 25	14 46	3 10
T 25	18 55	21 36	1 47	15 48	3 28	6 38	1 2	23 48	0 21	8 44	1 3	20 54	0 11	23 12	0 26	4 15	1 37	24 7	6 54	14 28	14 10	7 22	14 47	3 10
W26	18 40	17 29	0 42	15 59	3 34	6 8	0 59	23 50	0 22	8 39	1 3	20 53	0 11	23 13	0 26	4 15	1 37	24 7	6 54	14 29	14 11	7 18	14 47	3 10
T 27	18 24	12 43	0s24	16 13	3 37	5 37	0 56	23 51	0 23	8 34	1 3	20 51	0 11	23 13	0 26	4 15	1 37	24 6	6 54	14 29	14 12	7 15	14 47	3 10
F 28	18 9	7 31	1 28	16 27	3 37	5 6	0 53	23 52	0 24	8 29	1 3	20 50	0 11	23 13	0 26	4 15	1 37	24 6	6 54	14 28	14 13	7 12	14 47	3 9
S 29	17 52	2 5	2 29	16 42	3 36	4 35	0 50	23 52	0 24	8 23	1 3	20 49	0 12	23 13	0 26	4 15	1 37	24 5	6 54	14 28	14 15	7 8	14 47	3 9
S 30	17 36	3s25	3 23	16 57	3 32	4 4	0 47	23 53	0 25	8 18	1 3	20 47	0 12	23 14	0 26	4 14	1 37	24 5	6 54	14 28	14 16	7 5	14 47	3 9
M31	17s19	8s50	4s 9	17s13	3n26	3s33	0s43	23s53	0s26	8s13	1s 3	20s46	0s12	23n14	0n26	4s14	1n38	24s 4	6s54	14s27	14s17	7n 2	14n47	3s 9

ASTRODIENST EPHEMERIS for the year 1785

geocentric

FEBRUARY 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 46 20	12°37'33"	24°43'	27°R22	23°54'	2°340	11°46'	28°311	13°R15	14°R31	11°13	21°12	21°38	8°41	20°15	T 1
W 2	8 50 16	13°38'23"	6°57'	26°350	25° 5'	3°24	12° 0'	28°18	13°313	14°30	11°15	21°12	21°38	8°41	20°15	W 2
T 3	8 54 13	14°39'12"	19°30'	26°26	26°15	4° 8'	12°13	28°24	13°10	14°30	11°17	21°R12	21°35	8°47	20°15	T 3
F 4	8 58 10	15°39'59"	2°24'	26°10	27°26	4°51	12°27	28°31	13° 8'	14°29	11°18	21°12	21°32	8°54	20°15	F 4
S 5	9 2 6	16°40'46"	15°43'	26° 2'	28°36	5°35	12°41	28°38	13° 6'	14°28	11°20	21°11	21°29	9° 1'	20°16	S 5
S 6	9 6 3	17°41'32"	29°29'	26°D 2	29°46	6°19	12°55	28°45	13° 4'	14°28	11°22	21°11	21°25	9° 7'	20°17	S 6
M 7	9 9 59	18°42'17"	13°343	26° 9'	0°Y56	7° 3'	13° 9'	28°52	13° 2'	14°27	11°24	21°11	21°22	9°14	20°17	M 7
T 8	9 13 56	19°43'00"	28°21'	26°23	2° 6'	7°47	13°23	28°59	13° 0'	14°26	11°26	21°11	21°19	9°21	20°18	T 8
W 9	9 17 52	20°43'43"	13°17	26°43	3°16	8°31	13°37	29° 6'	12°58	14°25	11°28	21°10	21°16	9°27	20°19	W 9
T 10	9 21 49	21°44'23"	28°25'	27° 8'	4°25	9°15	13°51	29°12	12°57	14°25	11°29	21°10	21°13	9°34	20°20	T 10
F 11	9 25 45	22°45'03"	13°35	27°39	5°35	9°59	14° 5'	29°19	12°55	14°24	11°31	21°10	21°10	9°41	20°21	F 11
S 12	9 29 42	23°45'40"	28°37'	28°15	6°44	10°43	14°19	29°26	12°53	14°23	11°33	21°10	21° 6'	9°47	20°22	S 12
S 13	9 33 39	24°46'16"	13°Y23	28°55	7°53	11°27	14°33	29°33	12°51	14°22	11°35	21°10	21° 3'	9°54	20°23	S 13
M14	9 37 35	25°46'50"	27°48	29°39	9° 2'	12°11	14°47	29°39	12°49	14°21	11°37	21° 9'	21° 0'	10° 1'	20°24	M14
T 15	9 41 32	26°47'23"	11°B49	0°27	10°11	12°55	15° 1'	29°46	12°48	14°20	11°38	21° 9'	20°57	10° 7'	20°25	T 15
W16	9 45 28	27°47'53"	25°25'	1°19	11°20	13°39	15°15	29°53	12°46	14°19	11°40	21°D 9	20°54	10°14	20°26	W16
T 17	9 49 25	28°48'22"	8°II36	2°13	12°28	14°23	15°30	29°59	12°45	14°18	11°42	21° 9'	20°51	10°21	20°28	T 17
F 18	9 53 21	29°48'49"	21°27	3°11	13°36	15° 7'	15°44	0°36	12°43	14°17	11°44	21° 9'	20°47	10°27	20°29	F 18
S 19	9 57 18	0°49'14"	3°359	4°11	14°44	15°51	15°58	0°12	12°42	14°16	11°45	21°10	20°44	10°34	20°31	S 19
S 20	10 1 14	1°49'37"	16°17	5°14	15°52	16°35	16°12	0°19	12°40	14°15	11°47	21°11	20°41	10°41	20°32	S 20
M21	10 5 11	2°49'59"	28°23	6°20	17° 0'	17°20	16°27	0°25	12°39	14°14	11°49	21°12	20°38	10°47	20°34	M21
T 22	10 9 8	3°50'18"	10°Q21	7°27	18° 7'	18° 4'	16°41	0°31	12°37	14°13	11°51	21°13	20°35	10°54	20°35	T 22
W23	10 13 4	4°50'35"	22°14	8°37	19°15	18°48	16°55	0°38	12°36	14°11	11°52	21°R13	20°31	11° 1'	20°37	W23
T 24	10 17 1	5°50'51"	4°Y 3	9°48	20°22	19°33	17°10	0°44	12°35	14°10	11°54	21°13	20°28	11° 7'	20°39	T 24
F 25	10 20 57	6°51'05"	15°51	11° 2'	21°29	20°17	17°24	0°50	12°33	14° 9'	11°56	21°12	20°25	11°14	20°41	F 25
S 26	10 24 54	7°51'17"	27°41	12°17	22°35	21° 1'	17°39	0°56	12°32	14° 8'	11°57	21°10	20°22	11°21	20°43	S 26
S 27	10 28 50	8°51'27"	9°33	13°34	23°41	21°46	17°53	1° 2'	12°31	14° 7'	11°59	21° 7'	20°19	11°27	20°44	S 27
M28	10 32 47	9°51'36"	21°31	14°53	24°Y48	22°30	18° 8'	1° 9'	12°30	14° 5'	12° 1'	21° 4'	20°16	11°34	20°46	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 2	13s59	4s45	17s27	3n19	3s 2	0s40	23s53	0s27	8s 8	1s 3	20s45	0s12	23n14	0n26	4s14	1n38	24s 4	6s54	14s27	14s18	6n59	14n47	3s 9			
W 2	16 45	18 42	5 8	17 42	3 11	2 31	0 36	23 53	0 27	8 2	1 3	20 43	0 12	23 14	0 26	4 13	1 38	24 3	6 55	14 27	14 19	6 55	14 48	3 9			
T 3	16 27	22 43	5 18	17 56	3 1	1 59	0 33	23 52	0 28	7 57	1 3	20 42	0 12	23 14	0 26	4 13	1 38	24 3	6 55	14 27	14 20	6 52	14 48	3 9			
F 4	16 10	25 45	5 12	18 9	2 51	1 28	0 29	23 52	0 29	7 52	1 3	20 41	0 12	23 15	0 26	4 13	1 38	24 2	6 55	14 27	14 21	6 49	14 48	3 9			
S 5	15 51	27 30	4 49	18 21	2 40	0 57	0 25	23 51	0 30	7 47	1 3	20 39	0 12	23 15	0 26	4 13	1 38	24 2	6 55	14 27	14 22	6 46	14 48	3 9			
S 6	15 33	27 38	4 10	18 32	2 29	0 25	0 21	23 49	0 30	7 41	1 3	20 38	0 12	23 15	0 26	4 12	1 38	24 2	6 55	14 27	14 23	6 42	14 49	3 8			
M 7	15 14	25 58	3 14	18 42	2 17	0n 6	0 17	23 48	0 31	7 36	1 3	20 37	0 12	23 15	0 26	4 12	1 38	24 1	6 55	14 27	14 24	6 39	14 49	3 8			
T 8	14 55	22 32	2 4	18 52	2 5	0 38	0 13	23 46	0 32	7 30	1 3	20 35	0 12	23 15	0 26	4 12	1 38	24 1	6 55	14 28	14 25	6 36	14 49	3 8			
W 9	14 36	17 33	0 44	19 0	1 53	1 9	0 9	23 44	0 33	7 25	1 3	20 34	0 12	23 16	0 26	4 11	1 38	24 0	6 55	14 28	14 26	6 32	14 49	3 8			
T 10	14 17	11 25	0n40	19 6	1 41	1 41	0 5	23 42	0 34	7 20	1 3	20 33	0 12	23 16	0 26	4 11	1 38	24 0	6 55	14 28	14 27	6 29	14 50	3 8			
F 11	13 57	4 36	2 1	19 12	1 29	2 12	0 1	23 40	0 34	7 14	1 3	20 31	0 13	23 16	0 26	4 10	1 38	23 59	6 55	14 28	14 28	6 26	14 50	3 8			
S 12	13 37	2n24	3 14	19 17	1 17	2 43	0n 3	23 37	0 35	7 9	1 3	20 30	0 13	23 16	0 26	4 10	1 38	23 59	6 55	14 28	14 29	6 23	14 51	3 8			
S 13	13 17	9 9	4 11	19 20	1 5	3 15	0 7	23 34	0 36	7 3	1 3	20 29	0 13	23 16	0 26	4 10	1 38	23 59	6 56	14 28	14 30	6 19	14 51	3 8			
M14	12 57	15 15	4 52	19 22	0 54	3 46	0 12	23 31	0 37	6 58	1 3	20 27	0 13	23 16	0 26	4 9	1 38	23 58	6 56	14 28	14 31	6 16	14 51	3 7			
T 15	12 36	20 22	5 14	19 23	0 43	4 17	0 16	23 28	0 37	6 52	1 3	20 26	0 13	23 17	0 26	4 9	1 38	23 58	6 56	14 28	14 32	6 13	14 52	3 7			
W16	12 15	24 16	5 17	19 23	0 32	4 48	0 21	23 24	0 38	6 47	1 3	20 25	0 13	23 17	0 26	4 8	1 38	23 57	6 56	14 28	14 33	6 10	14 52	3 7			
T 17	11 54	26 45	5 3	19 21	0 21	5 19	0 25	23 20	0 39	6 41	1 3	20 23	0 13	23 17	0 26	4 8	1 38	23 57	6 56	14 28	14 34	6 6	14 53	3 7			
F 18	11 33	27 46	4 35	19 18	0 11	5 50	0 30	23 16	0 40	6 36	1 3	20 22	0 13	23 17	0 26	4 8	1 38	23 57	6 56	14 28	14 35	6 3	14 53	3 7			
S 19	11 12	27 18	3 53	19 14	0 0	6 20	0 34	23 12	0 41	6 30	1 3	20 21	0 13	23 17	0 26	4 7	1 38	23 56	6 56	14 28	14 36	6 0	14 54	3 7			
S 20	10 50	25 29	3 2	19 8	0s 9	6 51	0 39	23 7	0 41	6 25	1 3	20 20	0 13	23 17	0 26	4 7	1 39	23 56	6 56	14 27	14 37	5 56	14 54	3 7			
M21	10 29	22 31	2 3	19 1	0 19	7 21	0 43	23 2	0 42	6 19	1 3	20 18	0 13	23 17	0 25	4 6	1 39	23 55	6 57	14 27	14 38	5 53	14 55	3 7			
T 22	10 7	18 38	1 0	18 53	0 28	7 52	0 48	22 57	0 43	6 13	1 3	20 17	0 13	23 18	0 25	4 6	1 39	23 55	6 57	14 27	14 39	5 50	14 55	3 7			
W23	9 45	14 2	0s 6	18 43	0 37	8 22	0 53	22 52	0 44	6 8	1 3	20 16	0 14	23 18	0 25	4 5	1 39	23 55	6 57	14 27	14 40	5 47	14 56	3 6			
T 24	9 23	8 56	1 11	18 32	0 45	8 51	0 58	22 47	0 44	6 2	1 3	20 14	0 14	23 18	0 25	4 5	1 39	23 54	6 57	14 27	14 41	5 43	14 56	3 6			
F 25	9 0	3 33	2 12	18 20	0 53	9 21	1 3	22 41	0 45	5 57	1 3	20 13	0 14	23 18	0 25	4 4	1 39	23 54	6 57	14 27	14 42	5 40	14 57	3 6			
S 26	8 38	1s57	3 8	18 7	1 1	9 50	1 7	22 35	0 46	5 51	1 3	20 12	0 14	23 18	0 25	4 4	1 39	23 54	6 57	14 28	14 43	5 37	14 58	3 6			
S 27	8 16	7 25	3 56	17 52	1 9	10 20	1 12	22 29	0 47	5 45	1 3	20 11	0 14	23 18	0 25	4 3	1 39	23 53	6 57	14 29	14 44	5 33	14 58	3 6			
M28	7s53	12s38	4s35	17s36	1s16	10n49	1n17	22s22	0s48	5s40	1s 3	20s 9	0s14	23n18	0n25	4s 3	1n39	23s53	6s58	14s30	14s45	5n30	14n59	3s 6			

Julian Day Number = 2373049.5, Delta T = 22.22 sec

Ecliptic obliquity = 23°28'09", Nutation = 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°44'23", Lahiri = 20°51'23"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1785
geocentric

MARCH 1785

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 36 43	10 ^h 51'43	3 ^m 38	16 ^s 13	25 ^h 53	23 ^h 15	18 ^h 22	1 ^h 15	12 ^h R29	14 ^h R 4	12 ^h 2	21 ^h R 1	20 ^h 12	11 ^h 40	20 ^h 49	T 1
W 2	10 40 40	11 ^h 51'48	15 ^s 55	17 ^h 34	26 ^h 59	23 ^h 59	18 ^h 36	1 ^h 21	12 ^h 28	14 ^h 3	12 ^h 4	20 ^h 58	20 ^h 9	11 ^h 47	20 ^h 51	W 2
T 3	10 44 37	12 ^h 51'52	28 ^s 27	18 ^h 57	28 ^h 4	24 ^h 44	18 ^h 51	1 ^h 27	12 ^h 27	14 ^h 1	12 ^h 6	20 ^h 56	20 ^h 6	11 ^h 54	20 ^h 53	T 3
F 4	10 48 33	13 ^h 51'54	11 ^s 16	20 ^h 22	29 ^h 10	25 ^h 28	19 ^h 6	1 ^h 32	12 ^h 26	14 ^h 0	12 ^h 7	20 ^h D56	20 ^h 3	12 ^h 0	20 ^h 55	F 4
S 5	10 52 30	14 ^h 51'55	24 ^s 27	21 ^h 47	0 ^h 14	26 ^h 13	19 ^h 20	1 ^h 38	12 ^h 25	13 ^h 59	12 ^h 9	20 ^h 56	20 ^h 0	12 ^h 7	20 ^h 57	S 5
S 6	10 56 26	15 ^h 51'54	8 ^s 2	23 ^h 14	1 ^h 19	26 ^h 57	19 ^h 35	1 ^h 44	12 ^h 25	13 ^h 57	12 ^h 10	20 ^h 57	19 ^h 57	12 ^h 14	21 ^h 0	S 6
M 7	11 0 23	16 ^h 51'52	22 ^s 3	24 ^h 43	2 ^h 23	27 ^h 42	19 ^h 49	1 ^h 50	12 ^h 24	13 ^h 56	12 ^h 12	20 ^h 59	19 ^h 53	12 ^h 20	21 ^h 2	M 7
T 8	11 4 19	17 ^h 51'48	6 ^s 29	26 ^h 12	3 ^h 27	28 ^h 27	20 ^h 4	1 ^h 55	12 ^h 23	13 ^h 54	12 ^h 14	21 ^h 0	19 ^h 50	12 ^h 27	21 ^h 5	T 8
W 9	11 8 16	18 ^h 51'42	21 ^s 18	27 ^h 43	4 ^h 31	29 ^h 11	20 ^h 18	2 ^h 1	12 ^h 23	13 ^h 53	12 ^h 15	21 ^h R 0	19 ^h 47	12 ^h 34	21 ^h 7	W 9
T 10	11 12 12	19 ^h 51'34	6 ^s 23	29 ^h 15	5 ^h 34	29 ^h 56	20 ^h 33	2 ^h 7	12 ^h 22	13 ^h 51	12 ^h 17	21 ^h 0	19 ^h 44	12 ^h 40	21 ^h 10	T 10
F 11	11 16 9	20 ^h 51'24	21 ^s 37	0 ^h 49	6 ^h 37	0 ^h 41	20 ^h 47	2 ^h 12	12 ^h 22	13 ^h 50	12 ^h 18	20 ^h 58	19 ^h 41	12 ^h 47	21 ^h 13	F 11
S 12	11 20 6	21 ^h 51'12	6 ^s 49	2 ^s 23	7 ^h 40	1 ^h 25	21 ^h 2	2 ^h 18	12 ^h 21	13 ^h 48	12 ^h 20	20 ^h 54	19 ^h 37	12 ^h 54	21 ^h 15	S 12
S 13	11 24 2	22 ^h 50'58	21 ^s 50	3 ^s 59	8 ^h 43	2 ^h 10	21 ^h 16	2 ^s 23	12 ^h 21	13 ^h 47	12 ^h 21	20 ^h 49	19 ^h 34	13 ^h 0	21 ^h 18	S 13
M14	11 27 59	23 ^h 50'42	6 ^s 31	5 ^s 36	9 ^h 45	2 ^h 55	21 ^h 31	2 ^s 28	12 ^h 20	13 ^h 45	12 ^h 23	20 ^h 44	19 ^h 31	13 ^h 7	21 ^h 21	M14
T 15	11 31 55	24 ^h 50'24	20 ^s 45	7 ^h 14	10 ^h 46	3 ^h 40	21 ^h 45	2 ^s 34	12 ^h 20	13 ^h 44	12 ^h 24	20 ^h 40	19 ^h 28	13 ^h 14	21 ^h 24	T 15
W16	11 35 52	25 ^h 50'04	4 ^s 31	8 ^h 54	11 ^h 48	4 ^h 24	22 ^h 0	2 ^s 39	12 ^h 20	13 ^h 42	12 ^h 25	20 ^h 37	19 ^h 25	13 ^h 20	21 ^h 27	W16
T 17	11 39 48	26 ^h 49'41	17 ^s 49	10 ^h 34	12 ^h 48	5 ^h 9	22 ^h 14	2 ^s 44	12 ^h 20	13 ^h 41	12 ^h 27	20 ^h 35	19 ^h 22	13 ^h 27	21 ^h 30	T 17
F 18	11 43 45	27 ^h 49'16	0 ^s 41	12 ^s 16	13 ^h 49	5 ^h 54	22 ^h 29	2 ^s 49	12 ^h 19	13 ^h 39	12 ^h 28	20 ^h D34	19 ^h 18	13 ^h 34	21 ^h 33	F 18
S 19	11 47 41	28 ^h 48'49	13 ^s 10	14 ^h 0	14 ^h 49	6 ^h 39	22 ^h 43	2 ^s 54	12 ^h 19	13 ^h 38	12 ^h 30	20 ^h 35	19 ^h 15	13 ^h 40	21 ^h 36	S 19
S 20	11 51 38	29 ^h 48'19	25 ^s 23	15 ^h 44	15 ^h 49	7 ^h 24	22 ^h 58	2 ^s 59	12 ^h D19	13 ^h 36	12 ^h 31	20 ^h 37	19 ^h 12	13 ^h 47	21 ^h 39	S 20
M21	11 55 35	0 ^h 47'48	7 ^s 23	17 ^h 30	16 ^h 48	8 ^h 8	23 ^h 12	3 ^h 4	12 ^h 19	13 ^h 34	12 ^h 32	20 ^h 38	19 ^h 9	13 ^h 54	21 ^h 42	M21
T 22	11 59 31	1 ^h 47'13	19 ^s 14	19 ^h 17	17 ^h 47	8 ^h 53	23 ^h 27	3 ^h 9	12 ^h 19	13 ^h 33	12 ^h 34	20 ^h R39	19 ^h 6	14 ^h 0	21 ^h 45	T 22
W23	12 3 28	2 ^h 46'37	1 ^s 19	21 ^h 6	18 ^h 45	9 ^h 38	23 ^h 41	3 ^s 13	12 ^h 20	13 ^h 31	12 ^h 35	20 ^h 39	19 ^h 3	14 ^h 7	21 ^h 48	W23
T 24	12 7 24	3 ^h 45'58	12 ^s 49	22 ^h 55	19 ^h 43	10 ^h 23	23 ^h 56	3 ^s 18	12 ^h 20	13 ^h 30	12 ^h 36	20 ^h 36	18 ^h 59	14 ^h 14	21 ^h 52	T 24
F 25	12 11 21	4 ^h 45'17	24 ^s 39	24 ^h 47	20 ^h 40	11 ^h 8	24 ^h 10	3 ^s 23	12 ^h 20	13 ^h 28	12 ^h 37	20 ^h 31	18 ^h 56	14 ^h 20	21 ^h 55	F 25
S 26	12 15 17	5 ^h 44'34	6 ^s 33	26 ^h 39	21 ^h 37	11 ^h 53	24 ^h 24	3 ^s 27	12 ^h 20	13 ^h 26	12 ^h 39	20 ^h 25	18 ^h 53	14 ^h 27	21 ^h 58	S 26
S 27	12 19 14	6 ^h 43'49	18 ^s 33	28 ^h 33	22 ^h 33	12 ^h 38	24 ^h 39	3 ^s 32	12 ^h 21	13 ^h 25	12 ^h 40	20 ^h 17	18 ^h 50	14 ^h 34	22 ^h 2	S 27
M28	12 23 10	7 ^h 43'02	0 ^s 41	0 ^h 28	23 ^h 29	13 ^h 23	24 ^h 53	3 ^s 36	12 ^h 21	13 ^h 23	12 ^h 41	20 ^h 8	18 ^h 47	14 ^h 40	22 ^h 5	M28
T 29	12 27 7	8 ^h 42'13	12 ^s 57	2 ^h 24	24 ^h 24	14 ^h 8	25 ^h 7	3 ^s 40	12 ^h 21	13 ^h 21	12 ^h 42	19 ^h 59	18 ^h 43	14 ^h 47	22 ^h 9	T 29
W30	12 31 3	9 ^h 41'22	25 ^s 25	4 ^h 22	25 ^h 19	14 ^h 53	25 ^h 22	3 ^s 44	12 ^h 22	13 ^h 20	12 ^h 43	19 ^h 50	18 ^h 40	14 ^h 54	22 ^h 12	W30
T 31	12 35 0	10 ^h 40'30	8 ^s 4	6 ^h 21	26 ^h 13	15 ^h 38	25 ^h 36	3 ^s 49	12 ^h 22	13 ^h 18	12 ^h 44	19 ^h 44	18 ^h 37	15 ^h 19	22 ^h 16	T 31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	lat
T 1	7s30	17s27	5s 1	17s18	1s22	11n17	1n22	22s16	0s48	5s34	1s 3	20s 8	0s14	23n18	0n25	4s 2	1n39	23s53	6s58	14s31	14s46	5n27	14n59	3s 6
W 2	7 7	21 38	5 14	17 0	1 29	11 46	1 27	22 9	0 49	5 28	1 3	20 7	0 14	23 18	0 25	4 2	1 39	23 52	6 58	14 31	14 47	5 24	15 0	3 6
T 3	6 44	24 55	5 13	16 39	1 35	12 14	1 32	22 2	0 50	5 23	1 3	20 6	0 14	23 18	0 25	4 1	1 39	23 52	6 58	14 32	14 48	5 20	15 1	3 6
F 4	6 21	27 42	4 56	16 18	1 40	12 42	1 37	21 54	0 51	5 17	1 3	20 4	0 14	23 18	0 25	4 0	1 39	23 52	6 58	14 32	14 49	5 17	15 1	3 6
S 5	5 58	27 44	4 23	15 55	1 45	13 10	1 42	21 47	0 52	5 11	1 3	20 3	0 14	23 19	0 25	4 0	1 39	23 51	6 58	14 32	14 50	5 14	15 2	3 5
S 6	5 35	26 48	3 35	15 31	1 50	13 37	1 47	21 39	0 52	5 5	1 3	20 2	0 15	23 19	0 25	3 59	1 39	23 51	6 59	14 32	14 51	5 10	15 3	3 5
M 7	5 12	24 10	2 33	15 6	1 55	14 4	1 52	21 31	0 53	5 0	1 3	20 1	0 15	23 19	0 25	3 59	1 39	23 51	6 59	14 31	14 52	5 7	15 4	3 5
T 8	4 48	19 57	1 19	14 39	1 59	14 31	1 57	21 23	0 54	4 54	1 3	20 0	0 15	23 19	0 25	3 58	1 39	23 50	6 59	14 31	14 53	5 4	15 4	3 5
W 9	4 25	14 24	0n 2	14 11	2 2	14 57	2 2	21 14	0 55	4 48	1 3	19 59	0 15	23 19	0 25	3 58	1 39	23 50	6 59	14 31	14 54	5 1	15 5	3 5
T 10	4 1	7 53	1 23	13 42	2 5	15 24	2 7	21 6	0 56	4 43	1 3	19 57	0 15	23 19	0 25	3 57	1 39	23 50	6 59	14 31	14 55	4 57	15 6	3 5
F 11	3 38	0 53	2 40	13 12	2 8	15 49	2 12	20 57	0 57	4 37	1 3	19 56	0 15	23 19	0 25	3 56	1 39	23 50	6 59	14 32	14 56	4 54	15 7	3 5
S 12	3 14	6n 9	3 45	12 40	2 11	16 15	2 17	20 48	0 57	4 31	1 3	19 55	0 15	23 19	0 25	3 56	1 39	23 49	7 0	14 33	14 57	4 51	15 7	3 5
S 13	2 50	12 45	4 34	12 7	2 12	16 40	2 22	20 39	0 58	4 26	1 3	19 54	0 15	23 19	0 25	3 55	1 39	23 49	7 0	14 34	14 58	4 47	15 8	3 5
M14	2 27	18 28	5 3	11 33	2 14	17 5	2 27	20 29	0 59	4 20	1 3	19 53	0 15	23 19	0 25	3 55	1 39	23 49	7 0	14 36	14 59	4 44	15 9	3 5
T 15	2 3	22 59	5 12	10 57	2 15	17 29	2 32	20 20	1 0	4 14	1 3	19 52	0 15	23 19	0 25	3 54	1 39	23 49	7 0	14 37	15 0	4 41	15 10	3 5
W16	1 39	26 2	5 3	10 20	2 16	17 53	2 37	20 10	1 1	4 8	1 3	19 51	0 15	23 19	0 25	3 53	1 39	23 48	7 0	14 38	15 1	4 38	15 11	3 4
T 17	1 16	27 31	4 38	9 42	2 16	18 17	2 42	20 0	1 1	4 3	1 3	19 50	0 16	23 19	0 25	3 53	1 39	23 48	7 1	14 39	15 2	4 34	15 11	3 4
F 18	0 52	27 27	3 59	9 3	2 16	18 40	2 47	19 49	1 2	3 57	1 3	19 48	0 16	23 19	0 25	3 52	1 39	23 48	7 1	14 39	15 3	4 31	15 12	3 4
S 19	0 28	25 58	3 10	8 23	2 15	19 3	2 52	19 39	1 3	3 51	1 3	19 47	0 16	23 19	0 25	3 51	1 39	23 48	7 1	14 39	15 4	4 28	15 13	3 4
S 20	0 5	23 16	2 13	7 41	2 14	19 25	2 57	19 28	1 4	3 46	1 3	19 46	0 16	23 19	0 25	3 51	1 39	23 48	7 1	14 38	15 5	4 24	15 14	3 4
M21	0n19	19 36	1 12	6 58	2 12	19 47	3 2	19 18	1 5	3 40	1 3	19 45	0 16	23 19	0 25	3 50	1 39	23 47	7 1	14 38	15 6	4 21	15 15	3 4
T 22	0 43	15 12	0 8	6 14	2 10	20 8	3 7	19 7	1 5	3 34	1 3	19 44	0 16	23 19	0 25	3 49	1 40	23 47	7 2	14 38	15 7	4 18	15 16	3 4
W23	1 6	10 15	0s56	5 29	2 7	20 29	3 11	18 55	1 6	3 29	1 3	19 43	0 16	23 19	0 25	3 49	1 40	23 47	7 2	14 38	15 8	4 14	15 17	3 4
T 24	1 30	4 57	1 57	4 43	2 4	20 50	3 16	18 44	1 7	3 23	1 3	19 42	0 16	23 19	0 25	3 48	1 40	23 47	7 2	14 39	15 9	4 11	15 17	3 4
F 25	1 54	0s32	2 54	3 55	2 0	21 10	3 21	18 32	1 8	3 17	1 3	19 41	0 16	23 19	0 25	3 48	1 40	23 47	7 2	14 40	15 10	4 8	15 18	3 4
S 26	2 17	6 0	3 42	3 7	1 56	21 30	3 25	18 21	1 8	3 12	1 3	19 40	0 16	23 19	0 25	3 47	1 40	23 47	7 2	14 42	15 11	4 5	15 19	3 4
S 27	2 41	11 19	4 22	2 17	1 52	21 49	3 30	18 9	1 9	3 6	1 3	19 39	0 16	23 19	0 25	3 46	1 40	23 46	7 3	14 45	15 12	4 1	15 20	3 4
M28	3 4	16 15	4 50	1 27	1 46	22 8	3 34	17 57	1 10	3 0	1 3	19 39	0 17	23 19	0 25	3 46	1 40	23 46	7 3	14 48	15 13	3 58	15 21	3 4
T 29	3 27	20 35	5 5	0 35	1 41	22 26	3 39	17 44	1 11	2 55	1 4	19 38	0 17	23 19	0 25	3 45	1 40	23 46	7 3	14 50	15 14	3 55	15 22	3 4
W30	3 51	24 5	5 6	0n18	1 34	22 44	3 43	17 32	1 12	2 49	1 4	19 37	0 17	23 19	0 25	3 44	1 40	23 46	7 3	14 53	15 15	3 51	15 23	3 4
T 31	4n14	26s29	4s52	1n11	1s28	23n 1	3n48	17s19	1s12	2s43	1s 4	19s36	0s17	23n18	0n25	3s44	1n40	23s46	7s 4	14s55	15s16	3n48	15n24	3s 4

ASTRODIENST EPHEMERIS for the year 1785
geocentric

APRIL 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 38 57	11°39'35	20♌57	8°21	27♋6	16♊23	25♈50	3♊53	12♉23	13°R17	12♊46	19°R40	18♊34	15♎7	22♋19	F 1
S 2	12 42 53	12°38'39	4♈7	10°23	27°58	17°8	26°5	3°57	12°24	13♉15	12°47	19♊38	18°31	15°13	22°23	S 2
S 3	12 46 50	13°37'41	17°35	12°25	28°50	17°53	26°19	4°0	12°24	13°13	12°48	19°D37	18°28	15°20	22°27	S 3
M 4	12 50 46	14°36'41	1♊24	14°29	29°42	18°38	26°33	4°4	12°25	13°12	12°49	19°38	18°24	15°27	22°30	M 4
T 5	12 54 43	15°35'40	15°34	16°33	0♈32	19°23	26°47	4°8	12°26	13°10	12°50	19°R39	18°21	15°33	22°34	T 5
W 6	12 58 39	16°34'37	0♈5	18°38	1°22	20°8	27°1	4°12	12°27	13°8	12°51	19°38	18°18	15°40	22°38	W 6
T 7	13 2 36	17°33'31	14°54	20°43	2°11	20°53	27°15	4°15	12°28	13°7	12°52	19°36	18°15	15°47	22°42	T 7
F 8	13 6 32	18°32'24	29°55	22°49	2°59	21°38	27°29	4°19	12°29	13°5	12°53	19°31	18°12	15°53	22°46	F 8
S 9	13 10 29	19°31'16	14°59	24°55	3°47	22°24	27°43	4°22	12°30	13°3	12°54	19°24	18°8	16°0	22°49	S 9
S 10	13 14 26	20°30'05	29°57	27°1	4°33	23°9	27°57	4°25	12°31	13°2	12°54	19°15	18°5	16°7	22°53	S 10
M 11	13 18 22	21°28'52	14♌40	29°6	5°19	23°54	28°11	4°29	12°32	13°0	12°55	19°5	18°2	16°13	22°57	M 11
T 12	13 22 19	22°27'37	29°0	1♌11	6°3	24°39	28°25	4°32	12°33	12°58	12°56	18°56	17°59	16°20	23°1	T 12
W 13	13 26 15	23°26'20	12♈52	3°14	6°47	25°24	28°39	4°35	12°35	12°57	12°57	18°48	17°56	16°27	23°5	W 13
T 14	13 30 12	24°25'01	26°16	5°16	7°30	26°9	28°53	4°38	12°36	12°55	12°58	18°42	17°53	16°33	23°9	T 14
F 15	13 34 8	25°23'39	9♈12	7°16	8°11	26°54	29°7	4°41	12°37	12°54	12°59	18°39	17°49	16°40	23°13	F 15
S 16	13 38 5	26°22'16	21°45	9°15	8°52	27°39	29°20	4°44	12°39	12°52	12°59	18°D38	17°46	16°47	23°17	S 16
S 17	13 42 1	27°20'50	3♊58	11°10	9°31	28°24	29°34	4°46	12°40	12°50	13°0	18°38	17°43	16°53	23°22	S 17
M 18	13 45 58	28°19'22	15°57	13°3	10°10	29°9	29°48	4°49	12°41	12°49	13°1	18°R38	17°40	17°0	23°26	M 18
T 19	13 49 55	29°17'51	27°48	14°53	10°47	29°54	0♈1	4°51	12°43	12°47	13°1	18°38	17°37	17°7	23°30	T 19
W 20	13 53 51	0♈16'19	9♎35	16°40	11°22	0♈39	0°15	4°54	12°45	12°46	13°2	18°36	17°34	17°13	23°34	W 20
T 21	13 57 48	1°14'44	21°23	18°23	11°57	1°24	0°28	4°56	12°46	12°44	13°3	18°31	17°30	17°20	23°38	T 21
F 22	14 1 44	2°13'07	3♊16	20°3	12°30	2°10	0°42	4°58	12°48	12°43	13°3	18°24	17°27	17°27	23°43	F 22
S 23	14 5 41	3°11'29	15°17	21°39	13°1	2°55	0°55	5°1	12°50	12°41	13°4	18°15	17°24	17°33	23°47	S 23
S 24	14 9 37	4°9'48	27°27	23°10	13°31	3°40	1°8	5°3	12°51	12°40	13°4	18°3	17°21	17°40	23°51	S 24
M 25	14 13 34	5°8'06	9♎48	24°38	14°0	4°25	1°22	5°5	12°53	12°38	13°5	17°50	17°18	17°47	23°55	M 25
T 26	14 17 30	6°6'22	22°20	26°1	14°26	5°10	1°35	5°7	12°55	12°37	13°5	17°37	17°14	17°53	24°0	T 26
W 27	14 21 27	7°4'36	5♈4	27°20	14°52	5°55	1°48	5°8	12°57	12°35	13°6	17°25	17°11	18°0	24°4	W 27
T 28	14 25 24	8°2'48	17°59	28°34	15°15	6°40	2°1	5°10	12°59	12°34	13°6	17°15	17°8	18°7	24°8	T 28
F 29	14 29 20	9°0'59	1♈5	29°44	15°37	7°25	2°14	5°12	13°1	12°32	13°7	17°8	17°5	18°13	24°13	F 29
S 30	14 33 17	9♈59'09	14♈24	0♈49	15♈57	8♈10	2°27	5♊13	13♈3	12♈31	13♊7	17♊4	17♊2	18♎20	24♋17	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
F 1	4n37	27s32	4s23	2n 5	1s20	23n18	3n52	17s 7	1s13	2s38	1s 4	19s35	0s17	23n18	0n25	3s43	1n40	23s46	7s 4	14s56	15s17	3n45	15n25	3s 4	
S 2	5 0	27 4	3 40	3 0	1 13	23 34	3 56	16 54	1 14	2 32	1 4	19 34	0 17	23 18	0 25	3 42	1 40	23 46	7 4	14 57	15 18	3 41	15 26	3 4	
S 3	5 23	25 1	2 43	3 55	1 4	23 50	4 0	16 41	1 15	2 27	1 4	19 33	0 17	23 18	0 25	3 42	1 40	23 46	7 4	14 57	15 19	3 38	15 27	3 3	
M 4	5 46	21 26	1 36	4 51	0 56	24 5	4 4	16 27	1 16	2 21	1 4	19 33	0 17	23 18	0 25	3 41	1 40	23 46	7 4	14 57	15 20	3 35	15 28	3 3	
T 5	6 9	16 32	0 22	5 48	0 47	24 20	4 8	16 14	1 16	2 16	1 4	19 32	0 17	23 18	0 25	3 40	1 40	23 46	7 5	14 57	15 21	3 32	15 29	3 3	
W 6	6 31	10 35	0n56	6 44	0 37	24 34	4 12	16 0	1 17	2 10	1 4	19 31	0 17	23 18	0 25	3 40	1 40	23 45	7 5	14 57	15 22	3 28	15 30	3 3	
T 7	6 54	3 56	2 11	7 41	0 27	24 48	4 15	15 47	1 18	2 4	1 4	19 30	0 18	23 18	0 25	3 39	1 40	23 45	7 5	14 58	15 23	3 25	15 31	3 3	
F 8	7 17	2n59	3 18	8 38	0 17	25 1	4 19	15 33	1 19	1 59	1 4	19 29	0 18	23 18	0 25	3 39	1 40	23 45	7 5	14 59	15 24	3 22	15 32	3 3	
S 9	7 39	9 46	4 11	9 34	0 6	25 13	4 22	15 19	1 19	1 53	1 4	19 29	0 18	23 18	0 25	3 38	1 40	23 45	7 6	15 1	15 25	3 18	15 33	3 3	
S 10	8 1	15 56	4 47	10 30	0n 5	25 26	4 26	15 5	1 20	1 48	1 4	19 28	0 18	23 18	0 25	3 37	1 40	23 45	7 6	15 4	15 26	3 15	15 34	3 3	
M11	8 23	21 5	5 3	11 25	0 16	25 37	4 29	14 51	1 21	1 43	1 5	19 27	0 18	23 17	0 25	3 37	1 40	23 45	7 6	15 7	15 27	3 12	15 35	3 3	
T 12	8 45	24 49	4 59	12 19	0 27	25 48	4 32	14 36	1 22	1 37	1 5	19 27	0 18	23 17	0 25	3 36	1 40	23 45	7 6	15 10	15 28	3 9	15 36	3 3	
W13	9 7	26 58	4 38	13 12	0 38	25 59	4 35	14 22	1 22	1 32	1 5	19 26	0 18	23 17	0 25	3 35	1 40	23 45	7 7	15 12	15 29	3 5	15 37	3 3	
T 14	9 29	27 27	4 2	14 4	0 49	26 9	4 37	14 7	1 23	1 26	1 5	19 26	0 18	23 17	0 25	3 35	1 40	23 45	7 7	15 14	15 30	3 2	15 38	3 3	
F 15	9 50	26 22	3 14	14 54	1 0	26 18	4 40	13 52	1 24	1 21	1 5	19 25	0 18	23 17	0 25	3 34	1 40	23 45	7 7	15 15	15 31	2 59	15 39	3 3	
S 16	10 11	23 59	2 18	15 42	1 10	26 27	4 42	13 38	1 25	1 15	1 5	19 24	0 19	23 17	0 25	3 34	1 40	23 45	7 7	15 16	15 32	2 55	15 40	3 3	
S 17	10 33	20 32	1 17	16 29	1 21	26 36	4 45	13 23	1 25	1 10	1 5	19 24	0 19	23 17	0 25	3 33	1 40	23 45	7 8	15 16	15 32	2 52	15 41	3 3	
M18	10 53	16 18	0 14	17 13	1 31	26 43	4 47	13 7	1 26	1 5	1 5	19 23	0 19	23 16	0 25	3 32	1 40	23 45	7 8	15 16	15 33	2 49	15 42	3 3	
T 19	11 14	11 30	0s49	17 55	1 40	26 51	4 48	12 52	1 27	0 59	1 5	19 23	0 19	23 16	0 25	3 32	1 40	23 45	7 8	15 16	15 34	2 45	15 43	3 3	
W20	11 35	6 18	1 49	18 35	1 49	26 58	4 50	12 37	1 27	0 54	1 5	19 22	0 19	23 16	0 25	3 31	1 40	23 45	7 8	15 16	15 35	2 42	15 44	3 3	
T 21	11 55	0 54	2 45	19 12	1 58	27 4	4 52	12 22	1 28	0 49	1 6	19 22	0 19	23 16	0 25	3 30	1 40	23 46	7 9	15 18	15 36	2 39	15 45	3 3	
F 22	12 16	4s34	3 33	19 47	2 6	27 9	4 53	12 6	1 29	0 44	1 6	19 21	0 19	23 16	0 25	3 30	1 40	23 46	7 9	15 20	15 37	2 36	15 46	3 3	
S 23	12 36	9 55	4 13	20 20	2 13	27 15	4 54	11 50	1 30	0 38	1 6	19 21	0 19	23 16	0 25	3 29	1 40	23 46	7 9	15 23	15 38	2 32	15 47	3 3	
S 24	12 55	14 57	4 42	20 50	2 19	27 19	4 54	11 35	1 30	0 33	1 6	19 21	0 19	23 15	0 25	3 29	1 40	23 46	7 9	15 26	15 39	2 29	15 48	3 3	
M25	13 15	19 28	4 58	21 17	2 25	27 23	4 55	11 19	1 31	0 28	1 6	19 20	0 20	23 15	0 25	3 28	1 40	23 46	7 10	15 30	15 40	2 26	15 49	3 3	
T 26	13 34	23 12	5 0	21 42	2 29	27 27	4 55	11 3	1 32	0 23	1 6	19 20	0 20	23 15	0 25	3 28	1 40	23 46	7 10	15 34	15 41	2 22	15 50	3 3	
W27	13 54	25 52	4 47	22 4	2 33	27 30	4 55	10 47	1 32	0 18	1 6	19 20	0 20	23 15	0 25	3 27	1 39	23 46	7 10	15 38	15 42	2 19	15 51	3 3	
T 28	14 12	27 13	4 19	22 24	2 36	27 32	4 55	10 31	1 33	0 13	1 6	19 19	0 20	23 15	0 25	3 27	1 39	23 46	7 11	15 41	15 43	2 16	15 52	3 3	
F 29	14 31	27 5	3 37	22 41	2 38	27 34	4 54	10 15	1 34	0 8	1 7	19 19	0 20	23 14	0 25	3 26	1 39	23 46	7 11	15 43	15 44	2 12	15 53	3 3	
S 30	14n50	25s24	2s43	22n56	2n39	27n35	4n53	9s59	1s34	0s 3	1s 7	19s19	0s20	23n14	0n25	3s25	1n39	23s47	7s11	15s44	15s45	2n 9	15n54	3s 4	

ASTRODIENST EPHEMERIS for the year 1785

geocentric

MAY 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 13	10♂57'17	27♂56	1♂50	16♂15	8♂55	2♂40	5♂14	13♂5	12♂R29	13♂7	17♂R 2	16♂59	18♂27	24♂21	S 1
M 2	14 41 10	11°55'23	11♂41	2°45	16°31	9°40	2°53	5°16	13°7	12♂28	13°8	17♂2	16°55	18°33	24°26	M 2
T 3	14 45 6	12°53'29	25°42	3°36	16°45	10°25	3°6	5°17	13°9	12°27	13°8	17°1	16°52	18°40	24°30	T 3
W 4	14 49 3	13°51'32	9♂58	4°22	16°57	11°10	3°18	5°18	13°12	12°25	13°8	17°0	16°49	18°47	24°35	W 4
T 5	14 52 59	14°49'35	24°27	5°3	17°7	11°54	3°31	5°19	13°14	12°24	13°9	16°57	16°46	18°53	24°39	T 5
F 6	14 56 56	15°47'36	9♂5	5°39	17°15	12°39	3°44	5°20	13°16	12°23	13°9	16°51	16°43	19°0	24°44	F 6
S 7	15 0 53	16°45'35	23°48	6°10	17°20	13°24	3°56	5°21	13°18	12°21	13°9	16°43	16°40	19°7	24°48	S 7
S 8	15 4 49	17°43'33	8♂27	6°36	17°23	14°9	4°9	5°22	13°21	12°20	13°9	16°32	16°36	19°13	24°52	S 8
M 9	15 8 46	18°41'30	22°56	6°57	17°R24	14°54	4°21	5°22	13°23	12°19	13°9	16°20	16°33	19°20	24°57	M 9
T 10	15 12 42	19°39'25	7♂7	7°13	17°23	15°39	4°33	5°23	13°26	12°17	13°9	16°9	16°30	19°27	25°1	T 10
W11	15 16 39	20°37'19	20°55	7°24	17°19	16°23	4°45	5°23	13°28	12°16	13°9	15°59	16°27	19°33	25°6	W11
T 12	15 20 35	21°35'11	4♂17	7°30	17°13	17°8	4°58	5°23	13°31	12°15	13°10	15°51	16°24	19°40	25°10	T 12
F 13	15 24 32	22°33'01	17°15	7°R30	17°4	17°53	5°10	5°24	13°33	12°14	13°10	15°46	16°20	19°47	25°15	F 13
S 14	15 28 28	23°30'50	29°49	7°27	16°53	18°38	5°22	5°24	13°36	12°13	13°R10	15°44	16°17	19°53	25°19	S 14
S 15	15 32 25	24°28'37	12♂4	7°18	16°39	19°22	5°33	5°R24	13°39	12°12	13°10	15°D43	16°14	20°0	25°24	S 15
M16	15 36 22	25°26'22	24°5	7°5	16°23	20°7	5°45	5°24	13°41	12°10	13°10	15°R43	16°11	20°7	25°28	M16
T 17	15 40 18	26°24'05	5♂58	6°48	16°5	20°51	5°57	5°24	13°44	12°9	13°9	15°43	16°8	20°13	25°33	T 17
W18	15 44 15	27°21'47	17°46	6°28	15°44	21°36	6°9	5°23	13°47	12°8	13°9	15°41	16°5	20°20	25°37	W18
T 19	15 48 11	28°19'27	29°37	6°4	15°21	22°21	6°20	5°23	13°49	12°7	13°9	15°37	16°1	20°27	25°42	T 19
F 20	15 52 8	29°17'06	11♂34	5°36	14°56	23°5	6°32	5°23	13°52	12°6	13°9	15°31	15°58	20°33	25°46	F 20
S 21	15 56 4	0♂14'43	23°41	5°7	14°29	23°49	6°43	5°22	13°55	12°5	13°9	15°22	15°55	20°40	25°51	S 21
S 22	16 0 1	1°12'19	6♂1	4°35	14°0	24°34	6°54	5°21	13°58	12°4	13°9	15°12	15°52	20°47	25°55	S 22
M23	16 3 57	2°9'54	18°35	4°3	13°29	25°18	7°5	5°21	14°1	12°3	13°8	15°0	15°49	20°53	26°0	M23
T 24	16 7 54	3°7'27	1♂24	3°29	12°57	26°3	7°16	5°20	14°4	12°2	13°8	14°48	15°46	21°0	26°4	T 24
W25	16 11 51	4°4'59	14°27	2°55	12°23	26°47	7°27	5°19	14°7	12°2	13°8	14°37	15°42	21°7	26°9	W25
T 26	16 15 47	5°2'31	27°43	2°21	11°48	27°31	7°38	5°18	14°10	12°1	13°8	14°27	15°39	21°13	26°13	T 26
F 27	16 19 44	6°0'01	11♂11	1°49	11°12	28°15	7°49	5°17	14°13	12°0	13°7	14°21	15°36	21°20	26°18	F 27
S 28	16 23 40	6°57'30	24°49	1°17	10°35	28°59	8°0	5°16	14°16	11°59	13°7	14°17	15°33	21°27	26°22	S 28
S 29	16 27 37	7°54'59	8♂35	0°48	9°57	29°44	8°10	5°14	14°19	11°58	13°7	14°D16	15°30	21°33	26°27	S 29
M30	16 31 33	8°52'26	22°30	0°22	9°20	0♂28	8°21	5°13	14°22	11°58	13°6	14°16	15°26	21°40	26°31	M30
T 31	16 35 30	9♂49'53	6♂32	29♂58	8♂42	1♂12	8♂31	5♂11	14♂25	11♂57	13♂6	14°R16	15♂23	21♂47	26♂35	T 31

Day	☉	☾	♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 8	22s13	1s39	23n 9	2n39	27n35	4n52	9s42	1s35	0n 2	1s 7	19s19	0s20	23n14	0n25	3s25	1n39	23s47	7s11	15s45	15s46	2n 6	15n55	3s 4			
M 2	15 26	17 45	0 28	23 19	2 38	27 35	4 50	9 26	1 36	0 7	1 7	19 18	0 20	23 14	0 25	3 24	1 39	23 47	7 12	15 45	15 47	2 3	15 56	3 4			
T 3	15 44	12 15	0n46	23 27	2 36	27 35	4 48	9 9	1 36	0 12	1 7	19 18	0 20	23 14	0 25	3 24	1 39	23 47	7 12	15 45	15 48	1 59	15 57	3 4			
W 4	16 1	6 1	1 58	23 33	2 33	27 34	4 45	8 53	1 37	0 17	1 7	19 18	0 21	23 13	0 25	3 23	1 39	23 47	7 12	15 45	15 49	1 56	15 58	3 4			
T 5	16 18	0n36	3 4	23 36	2 29	27 32	4 42	8 36	1 38	0 22	1 7	19 18	0 21	23 13	0 25	3 23	1 39	23 47	7 12	15 46	15 50	1 53	15 59	3 4			
F 6	16 35	7 15	3 58	23 38	2 23	27 29	4 39	8 20	1 38	0 27	1 7	19 18	0 21	23 13	0 25	3 22	1 39	23 48	7 13	15 48	15 51	1 49	16 0	3 4			
S 7	16 52	13 32	4 37	23 37	2 17	27 26	4 35	8 3	1 39	0 32	1 8	19 18	0 21	23 13	0 25	3 22	1 39	23 48	7 13	15 51	15 52	1 46	16 1	3 4			
S 8	17 8	19 2	4 57	23 34	2 10	27 22	4 31	7 46	1 39	0 37	1 8	19 18	0 21	23 12	0 25	3 21	1 39	23 48	7 13	15 54	15 53	1 43	16 2	3 4			
M 9	17 24	23 20	4 58	23 29	2 1	27 18	4 26	7 30	1 40	0 41	1 8	19 18	0 21	23 12	0 25	3 21	1 39	23 48	7 13	15 58	15 54	1 40	16 3	3 4			
T 10	17 40	26 8	4 41	23 22	1 51	27 12	4 21	7 13	1 41	0 46	1 8	19 18	0 21	23 12	0 25	3 20	1 39	23 48	7 14	16 1	15 55	1 36	16 4	3 4			
W11	17 56	27 16	4 7	23 14	1 41	27 6	4 16	6 56	1 41	0 51	1 8	19 18	0 21	23 12	0 25	3 20	1 39	23 49	7 14	16 4	15 56	1 33	16 5	3 4			
T 12	18 11	26 44	3 20	23 3	1 29	27 0	4 10	6 39	1 42	0 56	1 8	19 18	0 21	23 11	0 24	3 20	1 39	23 49	7 14	16 6	15 57	1 30	16 6	3 4			
F 13	18 26	24 45	2 25	22 51	1 16	26 52	4 3	6 22	1 42	1 0	1 9	19 18	0 22	23 11	0 24	3 19	1 39	23 49	7 15	16 8	15 58	1 26	16 7	3 4			
S 14	18 40	21 34	1 23	22 36	1 3	26 44	3 56	6 5	1 43	1 5	1 9	19 18	0 22	23 11	0 24	3 19	1 39	23 49	7 15	16 8	15 58	1 23	16 8	3 4			
S 15	18 55	17 30	0 19	22 21	0 48	26 35	3 48	5 48	1 43	1 9	1 9	19 18	0 22	23 10	0 24	3 18	1 39	23 50	7 15	16 9	15 59	1 20	16 9	3 4			
M16	19 9	12 49	0s44	22 4	0 33	26 25	3 40	5 31	1 44	1 14	1 9	19 18	0 22	23 10	0 24	3 18	1 39	23 50	7 15	16 9	16 0	1 17	16 10	3 4			
T 17	19 22	7 42	1 45	21 45	0 17	26 14	3 31	5 14	1 45	1 18	1 9	19 18	0 22	23 10	0 24	3 18	1 39	23 50	7 16	16 9	16 1	1 13	16 11	3 5			
W18	19 36	2 22	2 41	21 25	0 0	26 3	3 22	4 57	1 45	1 23	1 9	19 18	0 22	23 10	0 24	3 17	1 39	23 50	7 16	16 9	16 2	1 10	16 12	3 5			
T 19	19 49	3s 4	3 30	21 4	0s17	25 50	3 12	4 40	1 46	1 27	1 10	19 18	0 22	23 9	0 24	3 17	1 39	23 51	7 16	16 10	16 3	1 7	16 13	3 5			
F 20	20 1	8 25	4 11	20 42	0 34	25 37	3 1	4 22	1 46	1 32	1 10	19 19	0 22	23 9	0 24	3 16	1 39	23 51	7 16	16 12	16 4	1 3	16 14	3 5			
S 21	20 14	13 33	4 40	20 20	0 52	25 23	2 50	4 5	1 47	1 36	1 10	19 19	0 23	23 9	0 24	3 16	1 39	23 51	7 17	16 15	16 5	1 0	16 15	3 5			
S 22	20 26	18 13	4 58	19 57	1 9	25 8	2 39	3 48	1 47	1 40	1 10	19 19	0 23	23 8	0 24	3 16	1 39	23 52	7 17	16 18	16 6	0 57	16 16	3 5			
M23	20 37	22 11	5 1	19 34	1 27	24 53	2 27	3 31	1 48	1 44	1 10	19 20	0 23	23 8	0 24	3 15	1 39	23 52	7 17	16 21	16 7	0 53	16 17	3 5			
T 24	20 48	25 11	4 49	19 11	1 44	24 36	2 15	3 14	1 48	1 49	1 10	19 20	0 23	23 8	0 24	3 15	1 39	23 52	7 17	16 25	16 8	0 50	16 18	3 5			
W25	20 59	26 54	4 22	18 48	2 0	24 19	2 2	2 57	1 49	1 53	1 11	19 20	0 23	23 7	0 24	3 15	1 39	23 53	7 18	16 28	16 9	0 47	16 18	3 5			
T 26	21 10	27 7	3 41	18 26	2 16	24 2	1 49	2 39	1 49	1 57	1 11	19 21	0 23	23 7	0 24	3 14	1 39	23 53	7 18	16 31	16 10	0 44	16 19	3 6			
F 27	21 20	25 45	2 46	18 4	2 32	23 43	1 36	2 22	1 50	2 1	1 11	19 21	0 23	23 7	0 24	3 14	1 39	23 53	7 18	16 33	16 11	0 40	16 20	3 6			
S 28	21 30	22 51	1 42	17 44	2 46	23 25	1 22	2 5	1 50	2 5	1 11	19 21	0 23	23 6	0 24	3 14	1 39	23 54	7 18	16 34	16 12	0 37	16 21	3 6			
S 29	21 39	18 37	0 30	17 25	2 59	23 6	1 8	1 48																			
M30	21 48	13 20	0n44	17 7	3 12	22 46	0 54	1 31	1 50	2 9	1 12	19 22	0 23	23 6	0 24	3 13	1 39	23 54	7 19	16 34	16 13	0 34	16 22	3 6			
T 31	21n57	7s20	1n56	16n52	3s23	22n26	0n40	1s14	1s51	2n17	1s12	19s23	0s24	23n 5	0n24	3s13	1n38	23s55	7s19	16s34	16s15	0n27	16m24	3s 6			

ASTRODIENST EPHEMERIS for the year 1785

geocentric

JUNE 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 39 26	10 ^{II} 47'19	20 ^{II} 41	29°R37	8°R 5	1°V56	8°V41	5°R10	14°S28	11°R56	13°R 5	14°R16	15°S20	21°M53	26°R40	W 1
T 2	16 43 23	11°44'45	4°V56	29°S21	7°II27	2°40	8°51	5°S 8	14°32	11°S56	13°S 5	14°S14	15°17	22° 0	26°44	T 2
F 3	16 47 20	12°42'10	19°13	29° 8	6°51	3°24	9° 1	5° 6	14°35	11°55	13° 4	14° 9	15°14	22° 7	26°49	F 3
S 4	16 51 16	13°39'34	3°S31	28°59	6°16	4° 7	9°11	5° 4	14°38	11°54	13° 4	14° 3	15°11	22°14	26°53	S 4
S 5	16 55 13	14°36'58	17°45	28°54	5°41	4°51	9°21	5° 3	14°41	11°54	13° 3	13°54	15° 7	22°20	26°57	S 5
M 6	16 59 9	15°34'21	1°II49	28°D54	5° 8	5°35	9°31	5° 0	14°44	11°53	13° 3	13°45	15° 4	22°27	27° 2	M 6
T 7	17 3 6	16°31'43	15°38	28°58	4°37	6°19	9°40	4°58	14°48	11°53	13° 2	13°36	15° 1	22°34	27° 6	T 7
W 8	17 7 2	17°29'05	29°10	29° 7	4° 7	7° 2	9°50	4°56	14°51	11°52	13° 1	13°28	14°58	22°40	27°10	W 8
T 9	17 10 59	18°26'26	12°S22	29°20	3°39	7°46	9°59	4°54	14°54	11°52	13° 1	13°22	14°55	22°47	27°15	T 9
F 10	17 14 56	19°23'46	25°12	29°38	3°12	8°29	10° 8	4°52	14°58	11°51	13° 0	13°18	14°52	22°54	27°19	F 10
S 11	17 18 52	20°21'05	7°S43	0°II 1	2°48	9°12	10°17	4°49	15° 1	11°51	12°59	13°D16	14°48	23° 0	27°23	S 11
S 12	17 22 49	21°18'23	19°58	0°28	2°26	9°56	10°26	4°47	15° 5	11°51	12°59	13°16	14°45	23° 7	27°27	S 12
M13	17 26 45	22°15'41	1°M59	0°59	2° 7	10°39	10°35	4°44	15° 8	11°50	12°58	13°17	14°42	23°14	27°32	M13
T 14	17 30 42	23°12'57	13°53	1°34	1°49	11°22	10°44	4°41	15°11	11°50	12°57	13°19	14°39	23°20	27°36	T 14
W15	17 34 38	24°10'13	25°43	2°14	1°34	12° 5	10°52	4°38	15°15	11°50	12°56	13°R19	14°36	23°27	27°40	W15
T 16	17 38 35	25° 7'28	7°S35	2°58	1°21	12°48	11° 1	4°36	15°18	11°50	12°56	13°18	14°32	23°34	27°44	T 16
F 17	17 42 31	26° 4'42	19°35	3°46	1°11	13°31	11° 9	4°33	15°22	11°49	12°55	13°15	14°29	23°40	27°48	F 17
S 18	17 46 28	27° 1'56	1°M46	4°39	1° 3	14°14	11°17	4°30	15°25	11°49	12°54	13°11	14°26	23°47	27°52	S 18
S 19	17 50 25	27°59'09	14°12	5°35	0°57	14°57	11°25	4°27	15°29	11°49	12°53	13° 4	14°23	23°54	27°56	S 19
M20	17 54 21	28°56'22	26°55	6°35	0°54	15°40	11°33	4°24	15°32	11°49	12°52	12°57	14°20	24° 0	28° 1	M20
T 21	17 58 18	29°53'34	9°S57	7°39	0°D53	16°22	11°41	4°20	15°36	11°49	12°51	12°50	14°17	24° 7	28° 5	T 21
W22	18 2 14	0°S50'45	23°18	8°47	0°55	17° 5	11°49	4°17	15°39	11°49	12°50	12°43	14°13	24°14	28° 9	W22
T 23	18 6 11	1°47'57	6°S56	9°58	0°58	17°47	11°56	4°14	15°43	11°D49	12°49	12°38	14°10	24°20	28°13	T 23
F 24	18 10 7	2°45'08	20°48	11°14	1° 4	18°30	12° 3	4°10	15°47	11°49	12°48	12°34	14° 7	24°27	28°16	F 24
S 25	18 14 4	3°42'19	4°S51	12°33	1°12	19°12	12°10	4° 7	15°50	11°49	12°48	12°32	14° 4	24°34	28°20	S 25
S 26	18 18 0	4°39'29	19° 1	13°55	1°23	19°54	12°17	4° 3	15°54	11°49	12°47	12°D32	14° 1	24°40	28°24	S 26
M27	18 21 57	5°36'40	3°S15	15°21	1°35	20°36	12°24	4° 0	15°57	11°49	12°46	12°33	13°58	24°47	28°28	M27
T 28	18 25 54	6°33'51	17°30	16°51	1°50	21°18	12°31	3°56	16° 1	11°49	12°44	12°35	13°54	24°54	28°32	T 28
W29	18 29 50	7°31'02	1°V43	18°24	2° 6	22° 0	12°37	3°52	16° 5	11°50	12°43	12°R36	13°51	25° 0	28°36	W29
T 30	18 33 47	8°S28'14	15°V54	20°II 1	2°II24	22°V42	12°V44	3°S49	16°S 8	11°S50	12°S42	12°S36	13°S48	25°M 7	28°S39	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	22n 5	0s55	3n 1	16n38	3s33	22n 6	0n26	0s56	1s52	2n21	1s12	19s23	0s24	23n 5	0n24	3s13	1n38	23s55	7s19	16s34	16s15	0n24	16n25	3s 6	
T 2	22 13	5n34	3 56	16 25	3 42	21 46	0 12	0 39	1 52	2 25	1 12	19 24	0 24	23 5	0 24	3 13	1 38	23 55	7 20	16 35	16 16	0 21	16 26	3 6	
F 3	22 21	11 47	4 36	16 15	3 49	21 26	0s 3	0 22	1 52	2 28	1 12	19 24	0 24	23 4	0 24	3 12	1 38	23 56	7 20	16 36	16 17	0 17	16 26	3 7	
S 4	22 28	17 23	4 59	16 7	3 56	21 6	0 17	0 5	1 53	2 32	1 13	19 25	0 24	23 4	0 24	3 12	1 38	23 56	7 20	16 38	16 18	0 14	16 27	3	
S 5	22 35	22 0	5 4	16 1	4 1	20 47	0 30	0n12	1 53	2 36	1 13	19 25	0 24	23 4	0 24	3 12	1 38	23 57	7 20	16 40	16 19	0 11	16 28	3 7	
M 6	22 41	25 16	4 50	15 58	4 4	20 28	0 44	0 29	1 54	2 39	1 13	19 26	0 24	23 3	0 24	3 12	1 38	23 57	7 21	16 43	16 20	0 8	16 29	3 7	
T 7	22 47	26 59	4 19	15 56	4 7	20 9	0 57	0 46	1 54	2 43	1 13	19 27	0 25	23 3	0 24	3 12	1 38	23 57	7 21	16 46	16 21	0 4	16 30	3 7	
W 8	22 53	27 2	3 34	15 57	4 8	19 50	1 11	1 3	1 54	2 46	1 13	19 27	0 25	23 3	0 24	3 12	1 38	23 58	7 21	16 48	16 22	0 1	16 31	3 7	
T 9	22 58	25 31	2 38	15 59	4 9	19 33	1 23	1 20	1 55	2 50	1 14	19 28	0 25	23 2	0 24	3 12	1 38	23 58	7 21	16 50	16 23	0s 2	16 31	3 7	
F 10	23 3	22 41	1 36	16 4	4 8	19 16	1 36	1 36	1 55	2 53	1 14	19 29	0 25	23 2	0 24	3 11	1 38	23 59	7 22	16 51	16 24	0 6	16 32	3 8	
S 11	23 7	18 50	0 30	16 10	4 6	18 59	1 48	1 53	1 55	2 57	1 14	19 29	0 25	23 1	0 24	3 11	1 38	23 59	7 22	16 51	16 25	0 9	16 33	3 8	
S 12	23 11	14 16	0s36	16 18	4 3	18 44	1 59	2 10	1 56	3 0	1 14	19 30	0 25	23 1	0 24	3 11	1 38	24 0	7 22	16 51	16 26	0 12	16 34	3 8	
M13	23 15	9 14	1 39	16 28	4 0	18 29	2 10	2 27	1 56	3 3	1 15	19 31	0 25	23 1	0 24	3 11	1 38	24 0	7 22	16 51	16 27	0 15	16 35	3 8	
T 14	23 18	3 56	2 37	16 40	3 55	18 15	2 21	2 43	1 56	3 6	1 15	19 32	0 25	23 0	0 24	3 11	1 38	24 0	7 23	16 51	16 28	0 19	16 35	3 8	
W15	23 20	1s29	3 29	16 53	3 50	18 2	2 31	3 0	1 56	3 10	1 15	19 32	0 25	23 0	0 24	3 11	1 38	24 1	7 23	16 51	16 28	0 22	16 36	3 8	
T 16	23 23	6 51	4 11	17 7	3 43	17 50	2 40	3 16	1 57	3 13	1 15	19 33	0 26	23 0	0 24	3 11	1 38	24 1	7 23	16 51	16 29	0 25	16 37	3 9	
F 17	23 25	12 2	4 43	17 23	3 37	17 39	2 50	3 33	1 57	3 16	1 15	19 34	0 26	22 59	0 24	3 11	1 38	24 2	7 23	16 52	16 30	0 28	16 38	3 9	
S 18	23 26	16 49	5 2	17 40	3 29	17 29	2 58	3 49	1 57	3 19	1 16	19 35	0 26	22 59	0 24	3 11	1 38	24 2	7 23	16 53	16 31	0 32	16 38	3 9	
S 19	23 27	21 1	5 8	17 58	3 21	17 20	3 7	4 6	1 57	3 21	1 16	19 36	0 26	22 58	0 24	3 11	1 38	24 3	7 24	16 55	16 32	0 35	16 39	3 9	
M20	23 28	24 21	4 59	18 17	3 12	17 12	3 14	4 22	1 58	3 24	1 16	19 36	0 26	22 58	0 24	3 11	1 38	24 3	7 24	16 57	16 33	0 38	16 40	3 9	
T 21	23 28	26 30	4 35	18 37	3 2	17 4	3 22	4 38	1 58	3 27	1 16	19 37	0 26	22 58	0 24	3 11	1 37	24 4	7 24	16 59	16 34	0 42	16 40	3 10	
W22	23 28	27 13	3 55	18 57	2 52	16 58	3 28	4 54	1 58	3 30	1 17	19 38	0 26	22 57	0 24	3 11	1 37	24 4	7 24	17 1	16 35	0 45	16 41	3 10	
T 23	23 27	26 18	3 1	19 18	2 42	16 53	3 35	5 10	1 58	3 33	1 17	19 39	0 26	22 57	0 24	3 11	1 37	24 5	7 25	17 2	16 36	0 48	16 42	3 10	
F 24	23 26	23 45	1 55	19 39	2 31	16 48	3 41	5 26	1 58	3 35	1 17	19 40	0 27	22 56	0 24	3 11	1 37	24 5	7 25	17 3	16 37	0 51	16 42	3 10	
S 25	23 25	19 45	0 42	20 1	2 20	16 44	3 46	5 42	1 58	3 38	1 17	19 41	0 27	22 56	0 24	3 11	1 37	24 5	7 25	17 4	16 38	0 55	16 43	3 10	
S 26	23 23	14 35	0n35	20 22	2 8	16 41	3 51	5 58	1 59	3 40	1 18	19 42	0 27	22 55	0 24	3 11	1 37	24 6	7 25	17 4	16 39	0 58	16 44	3 11	
M27	23 21	8 37	1 50	20 44	1 57	16 39	3 56	6 13	1 59	3 43	1 18	19 43	0 27	22 55	0 24	3 11	1 37	24 6	7 25	17 4	16 40	1 1	16 44	3 11	
T 28	23 18	2 12	2 59	21 5	1 45	16 38	4 0	6 29	1 59	3 45	1 18	19 44	0 27	22 55	0 24	3 11	1 37	24 7	7 26	17 3	16 40	1 4	16 45	3 11	
W29	23 15	4n18	3 56	21 26	1 42	16 37	4 4	6 45	1 59	3 47	1 18	19 45	0 27	22 54	0 24	3 12	1 37	24 7	7 26	17 3	16 41	1 8	16 46	3 11	
T 30	23n12	10n33	4n39	21n46	1s20	16n37	4s 7	7n 0	1s59	3n50	1s19	19s46	0s27	22n54	0n24	3s12	1n37	24s 8	7s26	17s 3	16s42	1s11	16n46	3s11	

ASTRODIENST EPHEMERIS for the year 1785
geocentric

JULY 1785

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 37 43	9 ⁵⁵ 25'25	29 ⁵⁹ 59	21 ⁴¹ 41	2 ⁴⁴ 44	23 ²⁴ 24	12 ⁵⁰ 50	3 ⁴⁵ 45	16 ¹² 12	11 ⁵⁰ 50	12 ⁴¹ 41	12 ³⁴ 34	13 ⁴⁵ 45	25 ¹⁴ 14	28 ⁴³ 43	F 1
S 2	18 41 40	10 ²² 38	13 ⁵⁷ 57	23 ²⁴ 24	3 ⁶ 6	24 ⁵ 5	12 ⁵⁶ 56	3 ⁴¹ 41	16 ¹⁵ 15	11 ⁵⁰ 50	12 ⁴⁰ 40	12 ³¹ 31	13 ⁴² 42	25 ²⁰ 20	28 ⁴⁷ 47	S 2
S 3	18 45 36	11 ¹⁹ 50	27 ⁴⁵ 45	25 ¹¹ 11	3 ³⁰ 30	24 ⁴⁷ 47	13 ² 2	3 ³⁷ 37	16 ¹⁹ 19	11 ⁵¹ 51	12 ³⁹ 39	12 ²⁷ 27	13 ³⁸ 38	25 ²⁷ 27	28 ⁵⁰ 50	S 3
M 4	18 49 33	12 ¹⁷ 03	11 ⁴² 42	27 ⁰ 0	3 ⁵⁵ 55	25 ²⁸ 28	13 ⁸ 8	3 ³³ 33	16 ²³ 23	11 ⁵¹ 51	12 ³⁸ 38	12 ²³ 23	13 ³⁵ 35	25 ³⁴ 34	28 ⁵⁴ 54	M 4
T 5	18 53 29	13 ¹⁴ 16	24 ⁴⁶ 46	28 ⁵³ 53	4 ²² 22	26 ¹⁰ 10	13 ¹³ 13	3 ²⁹ 29	16 ²⁶ 26	11 ⁵¹ 51	12 ³⁷ 37	12 ¹⁸ 18	13 ³² 32	25 ⁴¹ 41	28 ⁵⁸ 58	T 5
W 6	18 57 26	14 ¹¹ 29	7 ⁵⁵ 55	0 ⁵⁴ 48	4 ⁵⁰ 50	26 ⁵¹ 51	13 ¹⁹ 19	3 ²⁵ 25	16 ³⁰ 30	11 ⁵² 52	12 ³⁶ 36	12 ¹⁴ 14	13 ²⁹ 29	25 ⁴⁷ 47	29 ¹ 1	W 6
T 7	19 1 23	15 ⁸ 42	20 ⁴⁹ 49	2 ⁴⁵ 45	5 ²⁰ 20	27 ³² 32	13 ²⁴ 24	3 ²¹ 21	16 ³⁴ 34	11 ⁵² 52	12 ³⁵ 35	12 ¹² 12	13 ²⁶ 26	25 ⁵⁴ 54	29 ⁵ 5	T 7
F 8	19 5 19	16 ⁵ 56	3 ⁴² 26	4 ⁴⁶ 46	5 ⁵¹ 51	28 ¹³ 13	13 ²⁹ 29	3 ¹⁷ 17	16 ³⁷ 37	11 ⁵³ 53	12 ³³ 33	12 ¹⁰ 10	13 ²³ 23	26 ¹ 1	29 ⁸ 8	F 8
S 9	19 9 16	17 ³ 10	15 ⁴⁸ 48	6 ⁴⁸ 48	6 ²⁴ 24	28 ⁵⁴ 54	13 ³⁴ 34	3 ¹³ 13	16 ⁴¹ 41	11 ⁵³ 53	12 ³² 32	12 ¹⁰ 10	13 ¹⁹ 19	26 ⁷ 7	29 ¹² 12	S 9
S 10	19 13 12	18 ⁰ 23	27 ⁵⁸ 58	8 ⁵² 52	6 ⁵⁸ 58	29 ³⁴ 34	13 ³⁹ 39	3 ⁹ 9	16 ⁴⁵ 45	11 ⁵⁴ 54	12 ³¹ 31	12 ¹¹ 11	13 ¹⁶ 16	26 ¹⁴ 14	29 ¹⁵ 15	S 10
M 11	19 17 9	18 ⁵⁷ 37	9 ⁵⁷ 57	10 ⁵⁷ 57	7 ³³ 33	0 ⁸ 15	13 ⁴³ 43	3 ⁴ 4	16 ⁴⁸ 48	11 ⁵⁴ 54	12 ³⁰ 30	12 ¹² 12	13 ¹³ 13	26 ²¹ 21	29 ¹⁸ 18	M 11
T 12	19 21 5	19 ⁵⁴ 51	21 ⁵⁰ 50	13 ⁴ 4	8 ⁹ 9	0 ⁵⁵ 55	13 ⁴⁸ 48	3 ⁰ 0	16 ⁵² 52	11 ⁵⁵ 55	12 ²⁹ 29	12 ¹⁴ 14	13 ¹⁰ 10	26 ²⁷ 27	29 ²² 22	T 12
W 13	19 25 2	20 ⁵² 05	3 ⁴⁰ 40	15 ¹¹ 11	8 ⁴⁷ 47	1 ³⁶ 36	13 ⁵² 52	2 ⁵⁶ 56	16 ⁵⁶ 56	11 ⁵⁶ 56	12 ²⁷ 27	12 ¹⁵ 15	13 ⁷ 7	26 ³⁴ 34	29 ²⁵ 25	W 13
T 14	19 28 58	21 ⁴⁹ 19	15 ³³ 33	17 ¹⁹ 19	9 ²⁵ 25	2 ¹⁶ 16	13 ⁵⁶ 56	2 ⁵² 52	16 ⁵⁹ 59	11 ⁵⁶ 56	12 ²⁶ 26	12 ¹⁶ 16	13 ⁴ 4	26 ⁴¹ 41	29 ²⁸ 28	T 14
F 15	19 32 55	22 ⁴⁶ 34	27 ³² 32	19 ²⁸ 28	10 ⁵ 5	2 ⁵⁶ 56	14 ⁰ 0	2 ⁴⁷ 47	17 ³ 3	11 ⁵⁷ 57	12 ²⁵ 25	12 ¹⁶ 16	13 ⁰ 0	26 ⁴⁷ 47	29 ³¹ 31	F 15
S 16	19 36 52	23 ⁴³ 48	9 ⁴³ 43	21 ³⁶ 36	10 ⁴⁶ 46	3 ³⁶ 36	14 ³ 3	2 ⁴³ 43	17 ⁷ 7	11 ⁵⁸ 58	12 ²⁴ 24	12 ¹⁵ 15	12 ⁵⁷ 57	26 ⁵⁴ 54	29 ³⁴ 34	S 16
S 17	19 40 48	24 ⁴¹ 03	22 ¹⁰ 10	23 ⁴⁴ 44	11 ²⁸ 28	4 ¹⁶ 16	14 ⁷ 7	2 ³⁹ 39	17 ¹⁰ 10	11 ⁵⁸ 58	12 ²² 22	12 ¹⁴ 14	12 ⁵⁴ 54	27 ¹ 1	29 ³⁷ 37	S 17
M 18	19 44 45	25 ³⁸ 18	4 ⁵⁷ 57	25 ⁵² 52	12 ¹¹ 11	4 ⁵⁵ 55	14 ¹⁰ 10	2 ³⁴ 34	17 ¹⁴ 14	11 ⁵⁹ 59	12 ²¹ 21	12 ¹² 12	12 ⁵¹ 51	27 ⁷ 7	29 ⁴⁰ 40	M 18
T 19	19 48 41	26 ³⁵ 34	18 ⁵ 5	27 ⁵⁹ 59	12 ⁵⁴ 54	5 ³⁵ 35	14 ¹³ 13	2 ³⁰ 30	17 ¹⁷ 17	12 ⁰ 0	12 ²⁰ 20	12 ¹⁰ 10	12 ⁴⁸ 48	27 ¹⁴ 14	29 ⁴³ 43	T 19
W 20	19 52 38	27 ³² 50	1 ³⁶ 36	0 ⁴ 5	13 ³⁹ 39	6 ¹⁴ 14	14 ¹⁶ 16	2 ²⁵ 25	17 ²¹ 21	12 ¹ 1	12 ¹⁸ 18	12 ⁸ 8	12 ⁴⁴ 44	27 ²¹ 21	29 ⁴⁶ 46	W 20
T 21	19 56 34	28 ³⁰ 07	15 ³⁰ 30	2 ¹⁰ 10	14 ²⁴ 24	6 ⁵³ 53	14 ¹⁹ 19	2 ²¹ 21	17 ²⁵ 25	12 ² 2	12 ¹⁷ 17	12 ⁶ 6	12 ⁴¹ 41	27 ²⁷ 27	29 ⁴⁹ 49	T 21
F 22	20 0 31	29 ²⁷ 24	29 ⁴² 42	4 ¹³ 13	15 ¹¹ 11	7 ³² 32	14 ²¹ 21	2 ¹⁶ 16	17 ²⁸ 28	12 ³ 3	12 ¹⁶ 16	12 ⁵ 5	12 ³⁸ 38	27 ³⁴ 34	29 ⁵² 52	F 22
S 23	20 4 28	0 ⁴ 24'41	14 ⁴⁴ 44	9 ¹⁶ 16	15 ⁵⁸ 58	8 ¹¹ 11	14 ²⁴ 24	2 ¹² 12	17 ³² 32	12 ⁴ 4	12 ¹⁴ 14	12 ¹⁰ 10	12 ³⁵ 35	27 ⁴¹ 41	29 ⁵⁵ 55	S 23
S 24	20 8 24	1 ²² 00	28 ⁴⁶ 46	8 ¹⁷ 17	16 ⁴⁶ 46	8 ⁵⁰ 50	14 ²⁶ 26	2 ⁸ 8	17 ³⁵ 35	12 ⁵ 5	12 ¹³ 13	12 ⁵ 5	12 ³² 32	27 ⁴⁸ 48	29 ⁵⁷ 57	S 24
M 25	20 12 21	2 ¹⁹ 19	13 ⁴⁵ 45	10 ¹⁶ 16	17 ³⁴ 34	9 ²⁹ 29	14 ²⁸ 28	2 ³ 3	17 ³⁹ 39	12 ⁶ 6	12 ¹² 12	12 ⁶ 6	12 ²⁹ 29	27 ⁵⁴ 54	0 ¹¹ 0	M 25
T 26	20 16 17	3 ¹⁶ 39	28 ² 2	12 ¹⁴ 14	18 ²⁴ 24	10 ⁷ 7	14 ³⁰ 30	1 ⁵⁹ 59	17 ⁴³ 43	12 ⁷ 7	12 ¹¹ 11	12 ⁷ 7	12 ²⁵ 25	28 ¹ 1	0 ³ 3	T 26
W 27	20 20 14	4 ¹⁴ 00	12 ³⁰ 30	14 ¹¹ 11	19 ¹⁴ 14	10 ⁴⁵ 45	14 ³¹ 31	1 ⁵⁴ 54	17 ⁴⁶ 46	12 ⁸ 8	12 ⁹ 9	12 ⁷ 7	12 ²² 22	28 ⁸ 8	0 ⁵ 5	W 27
T 28	20 24 10	5 ¹¹ 23	26 ⁴⁷ 47	16 ⁵ 5	20 ⁵ 5	11 ²³ 23	14 ³³ 33	1 ⁵⁰ 50	17 ⁵⁰ 50	12 ⁹ 9	12 ⁸ 8	12 ⁸ 8	12 ¹⁹ 19	28 ¹⁴ 14	0 ⁸ 8	T 28
F 29	20 28 7	6 ⁸ 47	10 ⁴⁹ 49	17 ⁵⁹ 59	20 ⁵⁶ 56	12 ¹ 1	14 ³⁴ 34	1 ⁴⁵ 45	17 ⁵³ 53	12 ¹⁰ 10	12 ⁶ 6	12 ¹⁰ 10	12 ¹⁶ 16	28 ²¹ 21	0 ¹⁰ 10	F 29
S 30	20 32 3	7 ⁶ 11	24 ³⁶ 36	19 ⁵⁰ 50	21 ⁴⁸ 48	12 ³⁹ 39	14 ³⁵ 35	1 ⁴¹ 41	17 ⁵⁷ 57	12 ¹¹ 11	12 ⁵ 5	12 ⁸ 8	12 ¹³ 13	28 ²⁸ 28	0 ¹³ 13	S 30
S 31	20 36 0	8 ⁴ 3'38	8 ⁴ 8	21 ⁴⁰ 40	22 ⁴¹ 41	13 ⁸ 17	14 ³⁶ 36	1 ³⁷ 37	18 ⁰ 0	12 ¹² 12	12 ⁴ 4	12 ⁷ 7	12 ¹⁰ 10	28 ³⁴ 34	0 ¹⁵ 15	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	23n 8	16n13	5n 5	22n 5	1s 8	16n38	4s10	7n15	1s59	3n52	1s19	19s47	0s27	22n53	0n24	3s12	1n37	24s 8	7s26	17s 3	16s43	1s14	16n47	3s12										
S 2	23 4	21 0	5 12	22 23	0 55	16 40	4 13	7 31	1 59	3 54	1 19	19 48	0 27	22 53	0 24	3 12	1 37	24 9	7 26	17 4	16 44	1 17	16 47	3 12										
S 3	22 59	24 34	5 1	22 40	0 43	16 42	4 16	7 46	1 59	3 56	1 20	19 49	0 27	22 52	0 24	3 12	1 37	24 9	7 26	17 5	16 45	1 21	16 48	3 12										
M 4	22 54	26 41	4 33	22 56	0 30	16 44	4 18	8 1	1 59	3 58	1 20	19 50	0 28	22 52	0 24	3 12	1 37	24 10	7 27	17 7	16 46	1 24	16 49	3 12										
T 5	22 49	27 13	3 51	23 10	0 18	16 47	4 20	8 16	1 59	4 0	1 20	19 51	0 28	22 52	0 24	3 12	1 37	24 10	7 27	17 8	16 47	1 27	16 49	3 13										
W 6	22 43	26 10	2 57	23 22	0 6	16 51	4 21	8 31	1 59	4 2	1 20	19 52	0 28	22 51	0 24	3 13	1 37	24 11	7 27	17 9	16 48	1 30	16 50	3 13										
T 7	22 36	23 45	1 55	23 32	0n 5	16 55	4 23	8 45	1 59	4 4	1 21	19 53	0 28	22 51	0 24	3 13	1 37	24 11	7 27	17 10	16 49	1 34	16 50	3 13										
F 8	22 30	20 11	0 48	23 39	0 16	16 59	4 24	9 0	1 59	4 5	1 21	19 54	0 28	22 50	0 24	3 13	1 37	24 12	7 27	17 10	16 50	1 37	16 51	3 13										
S 9	22 23	15 48	0s20	23 45	0 27	17 4	4 24	9 14	1 59	4 7	1 21	19 55	0 28	22 50	0 24	3 13	1 37	24 12	7 27	17 10	16 50	1 40	16 51	3 14										
S 10	22 15	10 51	1 26	23 48	0 37	17 9	4 25	9 29	1 59	4 8	1 21	19 56	0 28	22 49	0 24	3 14	1 37	24 13	7 28	17 10	16 51	1 43	16 52	3 14										
M 11	22 8	5 35	2 27	23 48	0 47	17 14	4 25	9 43	1 59	4 10	1 22	19 57	0 28	22 49	0 24	3 14	1 36	24 13	7 28	17 10	16 52	1 47	16 52	3 14										
T 12	21 59	0 10	3 21	23 45	0 56	17 20	4 25	9 57	1 59	4 11	1 22	19 58	0 28	22 48	0 24	3 14	1 36	24 14	7 28	17 9	16 53	1 50	16 52	3 14										
W 13	21 51	5s14	4 7	23 40	1 5	17 26	4 25	10 11	1 59	4 13	1 22	19 59	0 29	22 48	0 24	3 14	1 36	24 14	7 28	17 9	16 54	1 53	16 53	3 15										
T 14	21 42	10 28	4 42	23 32	1 12	17 32	4 24	10 25	1 59	4 14	1 23	20 0	0 29	22 48	0 24	3 15	1 36	24 15	7 28	17 8	16 55	1 56	16 53	3 15										
F 15	21 33	15 21	5 5	23 22	1 19	17 38	4 24	10 39	1 59	4 15	1 23	20 2	0 29	22 47	0 24	3 15	1 36	24 15	7 28	17 8	16 56	2 0	16 54	3 15										
S 16	21 23	19 43	5 15	23 8	1 25	17 45	4 23	10 52	1 58	4 16	1 23	20 3	0 29	22 47	0 25	3 15	1 36	24 16	7 29	17 9	16 57	2 3	16 54	3 15										
S 17	21 13	23 20	5 11	22 52	1 31	17 52	4 22	11 6	1 58	4 18	1 23	20 4	0 29	22 46	0 25	3 16	1 36	24 16	7 29	17 9	16 58	2 6	16 55	3 16										
M 18	21 2	25 55	4 51	22 34	1 35	17 58	4 21	11 19	1 58	4 19	1 24	20 5	0 29	22 46	0 25	3 16	1 36	24 17	7 29	17 10	16 59	2 9	16 55	3 16										
T 19	20 52	27 11	4 16	22 13	1 39	18 5	4 19	11 33	1 58	4 19	1 24	20 6	0 29	22 45	0 25	3 16	1 36	24 17	7 29	17 10	17 0	2 13	16 55	3 16										
W 20	20 41	26 53	3 26	21 50	1 42	18 12	4 18	11 46	1 58	4 20	1 24	20 7	0 29	22 45	0 25	3 17	1 36	24 18	7 29	17 11	17 0	2 16	16 56	3 16										
T 21	20 29	24 55	2 22	21 24	1 45	18 19	4 16	11 59	1 58	4 21	1 24	20 8	0 29	22 44	0 25	3 17	1 36	24 18	7 29	17 11	17 1	2 19	16 56	3 17										
F 22	20 17	21 21	1 8	20 57	1 46	18 26	4 14	12 12	1 57	4 22	1 25	20 9	0 29	22 44	0 25	3 18	1 36	24 19	7 29	17 11	17 2	2 22	16 56	3 17										
S 23	20 5	16 25	0n11	20 28	1 47	18 33	4 12	12 24	1 57	4 23	1 25	20 10	0 29	22 43	0 25	3 18	1 36	24 19	7 29	17 12	17 3	2 25	16 57	3 17										
S 24	19 53	10 30	1 31	19 57	1 48	18 40	4 10	12 37	1 57	4 23	1 25	20 11	0 30	22 43	0 25	3 18	1 36	24 20	7 29	17 11	17 4	2 29	16 57	3 18										
M 25	19 40	4 39	2 45	19 24	1 47	18 47	4 8	12 49	1 57	4 24	1 26	20 13	0 30	22 43	0 25	3 19	1 36	24 20	7 30	17 11	17 5	2 32	16 57	3 18										
T 26	19 27	2n42	3 48	18 51	1 46	18 53	4 5	13 2	1 56	4 24	1 26	20 14	0 30	22 42	0 25	3 19	1 36	24 21	7 30	17 11	17 6	2 35	16 57	3 18										
W 27	19 13	9 10	4 36	18 16	1 44	19 0	4 3	13 14	1 56	4 24	1 26	20 15	0 30	22 42	0 25	3 20	1 36	24 21	7 30	17 11	17 7	2 38	16 58	3 18										
T 28	19 0	15 5	5 6	17 39	1 42	19 7	4 0	13 26	1 56	4 25	1 26	20 16	0 30	22 41	0 25	3 20	1 36	24 22	7 30	17 11	17 8	2 42	16 58	3 19										
F 29	18 46	20 6	5 17	17 2	1 39	19 13	3 57	13 38	1 55	4 25	1 27	20 17	0 30	22 41	0 25	3 21	1 36	24 22	7 30	17 11	17 8	2 45	16 58	3 19										
S 30	18 31	23 57	5 10	16 24	1 36	19 19	3 54	13 50	1 55	4 25	1 27	20 18	0 30	22 40	0 25	3 21	1 36	24 23	7 30	17 11	17 9	2 48	16 58	3 19										
S 31	18n16	26n23	4n45	15n45	1n32	19n25	3s51	14n 1	1s55	4n25	1s27	20s19	0s30	22n40	0n25	3s22	1n36	24s23	7s30	17s11	17s10	2s51	16n59	3s20										

ASTRODIENST EPHEMERIS for the year 1785

geocentric

AUGUST 1785

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 39 57	9♏ 1'05	21♊23	23♏29	23♊34	13♏54	14♏36	1°R32	18♏ 4	12♏13	12°R 2	12°R 7	12♏ 6	28♏41	0♊17	M 1	
T 2	20 43 53	9°58'33	4♏24	25°16	24°28	14°31	14°37	1°28	18° 7	12°15	12°28	12° 6	12° 3	28°48	0°20	T 2	
W 3	20 47 50	10°56'03	17°10	27° 1	25°23	15° 8	14°37	1°23	18°11	12°16	12° 0	12° 6	12° 0	28°54	0°22	W 3	
T 4	20 51 46	11°53'34	29°44	28°44	26°18	15°45	14°R37	1°19	18°14	12°17	11°58	12°D 6	11°57	29° 1	0°24	T 4	
F 5	20 55 43	12°51'06	12♏5	0♏26	27°13	16°22	14°37	1°15	18°17	12°18	11°57	12°R 6	11°54	29° 8	0°26	F 5	
S 6	20 59 39	13°48'39	24°16	2° 7	28° 9	16°58	14°36	1°10	18°21	12°20	11°56	12° 6	11°50	29°14	0°28	S 6	
S 7	21 3 36	14°46'13	6♏18	3°46	29° 5	17°35	14°36	1° 6	18°24	12°21	11°54	12° 6	11°47	29°21	0°30	S 7	
M 8	21 7 32	15°43'48	18°13	5°23	0♏ 2	18°11	14°35	1° 2	18°27	12°23	11°53	12° 6	11°44	29°28	0°32	M 8	
T 9	21 11 29	16°41'24	0♏ 4	6°59	1° 0	18°46	14°34	0°58	18°31	12°24	11°52	12° 5	11°41	29°34	0°34	T 9	
W10	21 15 26	17°39'01	11°54	8°33	1°57	19°22	14°33	0°53	18°34	12°25	11°50	12° 5	11°38	29°41	0°36	W10	
T 11	21 19 22	18°36'39	23°46	10° 6	2°55	19°57	14°31	0°49	18°37	12°27	11°49	12° 4	11°35	29°48	0°37	T 11	
F 12	21 23 19	19°34'18	5♏44	11°37	3°54	20°32	14°30	0°45	18°41	12°28	11°48	12° 3	11°31	29°55	0°39	F 12	
S 13	21 27 15	20°31'58	17°53	13° 7	4°53	21° 7	14°28	0°41	18°44	12°30	11°46	12°D 3	11°28	0♏ 1	0°40	S 13	
S 14	21 31 12	21°29'40	0♏17	14°35	5°52	21°42	14°26	0°37	18°47	12°31	11°45	12° 3	11°25	0° 8	0°42	S 14	
M15	21 35 8	22°27'22	13° 1	16° 1	6°52	22°16	14°24	0°33	18°50	12°33	11°44	12° 4	11°22	0°15	0°44	M15	
T 16	21 39 5	23°25'05	26° 7	17°26	7°52	22°51	14°21	0°29	18°54	12°35	11°42	12° 5	11°19	0°21	0°45	T 16	
W17	21 43 1	24°22'50	9♏39	18°49	8°53	23°25	14°19	0°25	18°57	12°36	11°41	12° 6	11°16	0°28	0°46	W17	
T 18	21 46 58	25°20'36	23°37	20°11	9°53	23°58	14°16	0°22	19° 0	12°38	11°40	12° 6	11°12	0°35	0°48	T 18	
F 19	21 50 55	26°18'23	7♏59	21°31	10°55	24°32	14°13	0°18	19° 3	12°39	11°38	12°R 7	11° 9	0°41	0°49	F 19	
S 20	21 54 51	27°16'11	22°42	22°49	11°56	25° 5	14°10	0°14	19° 6	12°41	11°37	12° 7	11° 6	0°48	0°50	S 20	
S 21	21 58 48	28°14'01	7♏40	24° 5	12°58	25°38	14° 7	0°10	19° 9	12°43	11°36	12° 6	11° 3	0°55	0°51	S 21	
M22	22 2 44	29°11'52	22°43	25°20	14° 0	26°10	14° 3	0° 7	19°12	12°45	11°34	12° 4	11° 0	1° 1	0°52	M22	
T 23	22 6 41	0♏ 9'45	7♏43	26°33	15° 2	26°43	14° 0	0° 3	19°15	12°46	11°33	12° 2	10°56	1° 8	0°53	T 23	
W24	22 10 37	1° 7'40	22°32	27°43	16° 5	27°15	13°56	29♏59	19°18	12°48	11°32	12° 0	10°53	1°15	0°54	W24	
T 25	22 14 34	2° 5'36	7♏ 4	28°52	17° 8	27°47	13°52	29°56	19°21	12°50	11°31	11°58	10°50	1°22	0°55	T 25	
F 26	22 18 30	3° 3'35	21°13	29°58	18°11	28°18	13°47	29°53	19°24	12°52	11°29	11°56	10°47	1°28	0°56	F 26	
S 27	22 22 27	4° 1'35	5♏ 0	1♏ 2	19°15	28°49	13°43	29°50	19°27	12°53	11°28	11°D56	10°44	1°35	0°56	S 27	
S 28	22 26 24	4°59'37	18°23	2° 4	20°19	29°20	13°38	29°46	19°29	12°55	11°27	11°56	10°41	1°42	0°57	S 28	
M29	22 30 20	5°57'42	1♏26	3° 4	21°23	29°51	13°34	29°43	19°32	12°57	11°26	11°58	10°37	1°48	0°58	M29	
T 30	22 34 17	6°55'48	14°10	4° 0	22°27	0♏21	13°29	29°40	19°35	12°59	11°24	11°59	10°34	1°55	0°58	T 30	
W31	22 38 13	7♏53'56	26♏40	4♏54	23♏32	0♏51	13°Y24	29♏37	19♏38	13♏ 1	11°23	12°28	10°31	2♏ 2	0♏59	W31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	18n 1	27n17	4n 6	15n 5	1n28	19n31	3s48	14n13	1s54	4n25	1s28	20s20	0s30	22n39	0n25	3s22	1n36
T 2	17 46	26 38	3 14	14 25	1 23	19 37	3 45	14 24	1 54	4 25	1 28	20 21	0 30	22 39	0 25	3 23	1 35
W 3	17 31	24 35	2 14	13 45	1 18	19 42	3 41	14 35	1 54	4 25	1 28	20 22	0 30	22 39	0 25	3 23	1 35
T 4	17 15	21 21	1 8	13 3	1 12	19 47	3 38	14 46	1 53	4 24	1 28	20 23	0 30	22 38	0 25	3 24	1 35
F 5	16 59	17 12	0 0	12 22	1 6	19 52	3 34	14 57	1 53	4 24	1 29	20 24	0 31	22 38	0 25	3 24	1 35
S 6	16 42	12 24	1s 7	11 40	1 0	19 57	3 31	15 8	1 52	4 24	1 29	20 25	0 31	22 37	0 25	3 25	1 35
S 7	16 25	7 12	2 10	10 58	0 54	20 1	3 27	15 18	1 52	4 23	1 29	20 26	0 31	22 37	0 25	3 25	1 35
M 8	16 8	1 48	3 7	10 16	0 47	20 5	3 23	15 29	1 51	4 23	1 30	20 27	0 31	22 36	0 25	3 26	1 35
T 9	15 51	3s38	3 56	9 34	0 39	20 8	3 20	15 39	1 51	4 22	1 30	20 28	0 31	22 36	0 25	3 27	1 35
W10	15 34	8 55	4 34	8 52	0 32	20 12	3 16	15 49	1 50	4 21	1 30	20 29	0 31	22 35	0 25	3 27	1 35
T 11	15 16	13 53	5 1	8 10	0 24	20 15	3 12	15 59	1 50	4 21	1 30	20 30	0 31	22 35	0 25	3 28	1 35
F 12	14 58	18 24	5 15	7 28	0 16	20 17	3 8	16 9	1 49	4 20	1 31	20 31	0 31	22 35	0 25	3 28	1 35
S 13	14 40	22 13	5 15	6 46	0 8	20 19	3 4	16 19	1 49	4 19	1 31	20 32	0 31	22 34	0 25	3 29	1 35
S 14	14 21	25 8	5 1	6 5	0s 0	20 21	2 59	16 28	1 48	4 18	1 31	20 33	0 31	22 34	0 25	3 30	1 35
M15	14 3	26 53	4 32	5 23	0 9	20 22	2 55	16 38	1 48	4 17	1 31	20 34	0 31	22 33	0 25	3 30	1 35
T 16	13 44	27 13	3 48	4 42	0 17	20 23	2 51	16 47	1 47	4 15	1 32	20 35	0 31	22 33	0 25	3 31	1 35
W17	13 25	25 57	2 50	4 2	0 26	20 24	2 47	16 56	1 46	4 14	1 32	20 36	0 31	22 32	0 25	3 32	1 35
T 18	13 5	23 3	1 41	3 21	0 35	20 24	2 43	17 5	1 46	4 13	1 32	20 37	0 31	22 32	0 25	3 32	1 35
F 19	12 46	18 40	0 23	2 41	0 44	20 24	2 38	17 14	1 45	4 12	1 33	20 37	0 31	22 32	0 25	3 33	1 35
S 20	12 26	13 3	0n58	2 2	0 53	20 23	2 34	17 22	1 44	4 10	1 33	20 38	0 32	22 31	0 25	3 34	1 35
S 21	12 6	6 36	2 17	1 23	1 3	20 22	2 29	17 31	1 43	4 9	1 33	20 39	0 32	22 31	0 25	3 34	1 35
M22	11 46	0n15	3 26	0 45	1 12	20 20	2 25	17 39	1 43	4 7	1 33	20 40	0 32	22 30	0 25	3 35	1 35
T 23	11 26	7 3	4 21	0 8	1 21	20 18	2 20	17 47	1 42	4 5	1 34	20 41	0 32	22 30	0 25	3 36	1 35
W24	11 5	13 22	4 57	0s29	1 31	20 15	2 16	17 56	1 41	4 4	1 34	20 42	0 32	22 30	0 25	3 36	1 35
T 25	10 45	18 49	5 14	1 5	1 40	20 12	2 11	18 3	1 40	4 2	1 34	20 42	0 32	22 29	0 25	3 37	1 35
F 26	10 24	23 5	5 11	1 40	1 50	20 8	2 7	18 11	1 40	4 0	1 34	20 43	0 32	22 29	0 25	3 38	1 35
S 27	10 3	25 55	4 50	2 14	1 59	20 4	2 2	18 19	1 39	3 58	1 34	20 44	0 32	22 28	0 25	3 39	1 35
S 28	9 42	27 10	4 14	2 47	2 9	19 59	1 58	18 26	1 38	3 56	1 35	20 45	0 32	22 28	0 25	3 39	1 35
M29	9 20	26 53	3 25	3 20	2 18	19 54	1 53	18 34	1 37	3 54	1 35	20 45	0 32	22 28	0 25	3 40	1 35
T 30	8 59	25 9	2 27	3 51	2 27	19 48	1 49	18 41	1 36	3 52	1 35	20 46	0 32	22 27	0 25	3 41	1 35
W31	8n37	22n13	1n23	4s20	2s36	19n42	1s44	18n48	1s35	3n50	1s35	20s47	0s32	22n27	0n25	3s42	1n35

Julian Day Number = 2373230.5, Delta T = 22.18 sec

Ecliptic obliquity = 23°28'08", Nutation = 0°00'14", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°44'48", Lahiri = 20°51'48"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1785

geocentric

SEPTEMBER 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 42 10	8♍52'06	8♌57	5♊45	24♊37	1♏20	13°R18	29°R34	19♌40	13♌3	11°R22	12°R 2	10♋28	2♊8	0♏59	T 1	
F 2	22 46 6	9°50'18	21° 4	6°33	25°42	1°50	13°Y13	29♌31	19°43	13° 5	11°R21	12°R 1	10°25	2°15	0°59	F 2	
S 3	22 50 3	10°48'31	3♍4	7°17	26°47	2°19	13° 7	29°29	19°46	13° 7	11°20	11°59	10°21	2°22	0°59	S 3	
S 4	22 53 59	11°46'47	14°59	7°57	27°53	2°47	13° 2	29°26	19°48	13° 9	11°19	11°56	10°18	2°28	1° 0	S 4	
M 5	22 57 56	12°45'04	26°51	8°34	28°58	3°15	12°56	29°23	19°51	13°11	11°17	11°52	10°15	2°35	1° 0	M 5	
T 6	23 1 52	13°43'23	8♋40	9° 6	0♌4	3°43	12°50	29°21	19°53	13°13	11°16	11°46	10°12	2°42	1°R 0	T 6	
W 7	23 5 49	14°41'43	20°31	9°34	1°11	4°10	12°44	29°18	19°56	13°15	11°15	11°40	10° 9	2°49	1° 0	W 7	
T 8	23 9 46	15°40'05	2♌24	9°58	2°17	4°37	12°37	29°16	19°58	13°17	11°14	11°34	10° 6	2°55	1° 0	T 8	
F 9	23 13 42	16°38'29	14°24	10°16	3°24	5° 4	12°31	29°14	20° 1	13°19	11°13	11°30	10° 2	3° 2	0°59	F 9	
S 10	23 17 39	17°36'55	26°32	10°28	4°30	5°30	12°24	29°11	20° 3	13°21	11°12	11°26	9°59	3° 9	0°59	S 10	
S 11	23 21 35	18°35'22	8♌53	10°35	5°37	5°56	12°18	29° 9	20° 5	13°23	11°11	11°24	9°56	3°15	0°59	S 11	
M12	23 25 32	19°33'51	21°32	10°R36	6°45	6°21	12°11	29° 7	20° 7	13°25	11°10	11°D23	9°53	3°22	0°59	M12	
T 13	23 29 28	20°32'22	4♌32	10°30	7°52	6°46	12° 4	29° 5	20°10	13°27	11° 9	11°24	9°50	3°29	0°58	T 13	
W14	23 33 25	21°30'54	17°56	10°18	8°59	7°10	11°57	29° 3	20°12	13°29	11° 8	11°25	9°47	3°35	0°58	W14	
T 15	23 37 21	22°29'28	1♋47	9°58	10° 7	7°34	11°50	29° 2	20°14	13°31	11° 7	11°27	9°43	3°42	0°57	T 15	
F 16	23 41 18	23°28'03	16° 6	9°32	11°15	7°58	11°43	29° 0	20°16	13°33	11° 6	11°R27	9°40	3°49	0°56	F 16	
S 17	23 45 15	24°26'40	0♏51	8°58	12°23	8°21	11°35	28°58	20°18	13°35	11° 5	11°26	9°37	3°56	0°56	S 17	
S 18	23 49 11	25°25'19	15°55	8°18	13°31	8°43	11°28	28°57	20°20	13°38	11° 4	11°22	9°34	4° 2	0°55	S 18	
M19	23 53 8	26°24'00	1°Y11	7°31	14°40	9° 6	11°20	28°55	20°22	13°40	11° 4	11°17	9°31	4° 9	0°54	M19	
T 20	23 57 4	27°22'43	16°28	6°38	15°48	9°27	11°13	28°54	20°24	13°42	11° 3	11°10	9°27	4°16	0°53	T 20	
W21	0 1 1	28°21'28	1♌35	5°40	16°57	9°48	11° 5	28°53	20°26	13°44	11° 2	11° 3	9°24	4°22	0°52	W21	
T 22	0 4 57	29°20'15	16°23	4°37	18° 6	10° 9	10°57	28°52	20°28	13°46	11° 1	10°57	9°21	4°29	0°51	T 22	
F 23	0 8 54	0♋19'05	0♏46	3°32	19°15	10°29	10°50	28°51	20°29	13°48	11° 0	10°51	9°18	4°36	0°50	F 23	
S 24	0 12 50	1°17'56	14°40	2°25	20°24	10°48	10°42	28°50	20°31	13°51	10°59	10°48	9°15	4°42	0°49	S 24	
S 25	0 16 47	2°16'51	28° 5	1°18	21°34	11° 7	10°34	28°49	20°33	13°53	10°59	10°D47	9°12	4°49	0°48	S 25	
M26	0 20 44	3°15'47	11♌5	0°13	22°43	11°26	10°26	28°48	20°35	13°55	10°58	10°47	9° 8	4°56	0°47	M26	
T 27	0 24 40	4°14'46	23°43	29♍12	23°53	11°43	10°18	28°48	20°36	13°57	10°57	10°48	9° 5	5° 2	0°45	T 27	
W28	0 28 37	5°13'47	6♌3	28°16	25° 3	12° 0	10°10	28°47	20°38	13°59	10°57	10°R49	9° 2	5° 9	0°44	W28	
T 29	0 32 33	6°12'50	18°10	27°27	26°13	12°17	10° 2	28°47	20°39	14° 2	10°56	10°48	8°59	5°16	0°42	T 29	
F 30	0 36 30	7♋11'56	0♏9	26♍46	27♌23	12♏33	9°Y54	28♌46	20♌41	14♋4	10°55	10°46	8°56	5♌23	0♏41	F 30	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n15	18n19	0n17	4s49	2s45	19n36	1s40	18n55	1s34	3n48	1s36	20s47	0s32	22n27	0n25	3s42	1n34
F 2	7 53	13 43	0s49	5 15	2 54	19 28	1 35	19 2	1 33	3 45	1 36	20 48	0 32	22 26	0 25	3 43	1 34
S 3	7 31	8 38	1 53	5 41	3 2	19 21	1 30	19 8	1 32	3 43	1 36	20 49	0 32	22 26	0 25	3 44	1 34
S 4	7 9	3 18	2 51	6 4	3 10	19 12	1 26	19 15	1 31	3 41	1 36	20 49	0 32	22 25	0 25	3 45	1 34
M 5	6 47	2s 7	3 41	6 26	3 18	19 4	1 21	19 21	1 30	3 38	1 36	20 50	0 32	22 25	0 25	3 46	1 34
T 6	6 25	7 26	4 21	6 46	3 26	18 54	1 17	19 27	1 29	3 36	1 36	20 50	0 32	22 25	0 25	3 46	1 34
W 7	6 2	12 30	4 50	7 3	3 33	18 45	1 12	19 34	1 28	3 33	1 37	20 51	0 32	22 24	0 25	3 47	1 34
T 8	5 39	17 7	5 7	7 18	3 39	18 34	1 8	19 40	1 27	3 30	1 37	20 52	0 32	22 24	0 26	3 48	1 34
F 9	5 17	21 7	5 11	7 31	3 45	18 24	1 3	19 45	1 26	3 28	1 37	20 52	0 33	22 24	0 26	3 49	1 34
S 10	4 54	24 16	5 0	7 41	3 50	18 12	0 59	19 51	1 25	3 25	1 37	20 53	0 33	22 23	0 26	3 50	1 34
S 11	4 31	26 21	4 36	7 47	3 55	18 1	0 54	19 57	1 24	3 22	1 37	20 53	0 33	22 23	0 26	3 50	1 34
M12	4 8	27 10	3 58	7 51	3 58	17 48	0 50	20 2	1 23	3 20	1 37	20 54	0 33	22 23	0 26	3 51	1 34
T 13	3 45	26 30	3 7	7 51	4 0	17 35	0 46	20 8	1 21	3 17	1 38	20 54	0 33	22 23	0 26	3 52	1 34
W14	3 22	24 19	2 4	7 47	4 2	17 22	0 41	20 13	1 20	3 14	1 38	20 54	0 33	22 22	0 26	3 53	1 34
T 15	2 59	20 38	0 52	7 39	4 2	17 8	0 37	20 18	1 19	3 11	1 38	20 55	0 33	22 22	0 26	3 54	1 34
F 16	2 36	15 38	0n25	7 28	4 0	16 54	0 33	20 23	1 18	3 8	1 38	20 55	0 33	22 22	0 26	3 55	1 34
S 17	2 13	9 35	1 43	7 12	3 57	16 39	0 28	20 28	1 16	3 5	1 38	20 56	0 33	22 21	0 26	3 56	1 34
S 18	1 49	2 52	2 55	6 51	3 52	16 24	0 24	20 33	1 15	3 2	1 38	20 56	0 33	22 21	0 26	3 56	1 34
M19	1 26	4n 5	3 56	6 27	3 46	16 8	0 20	20 38	1 13	2 59	1 38	20 56	0 33	22 21	0 26	3 57	1 34
T 20	1 3	10 47	4 40	5 58	3 37	15 52	0 16	20 43	1 12	2 56	1 38	20 57	0 33	22 21	0 26	3 58	1 34
W21	0 39	16 47	5 4	5 25	3 27	15 35	0 12	20 47	1 11	2 53	1 38	20 57	0 33	22 20	0 26	3 59	1 34
T 22	0 16	21 39	5 6	4 49	3 15	15 18	0 8	20 52	1 9	2 50	1 39	20 57	0 33	22 20	0 26	4 0	1 34
F 23	0s 8	25 3	4 49	4 10	3 1	15 0	0 4	20 56	1 8	2 47	1 39	20 57	0 33	22 20	0 26	4 0	1 34
S 24	0 31	26 49	4 16	3 29	2 45	14 42	0n 0	21 0	1 6	2 44	1 39	20 57	0 33	22 20	0 26	4 1	1 34
S 25	0 54	26 56	3 29	2 47	2 28	14 24	0 4	21 4	1 4	2 40	1 39	20 58	0 33	22 19	0 26	4 2	1 34
M26	1 18	25 33	2 33	2 4	2 9	14 5	0 8	21 8	1 3	2 37	1 39	20 58	0 33	22 19	0 26	4 3	1 34
T 27	1 41	22 52	1 31	1 21	1 49	13 46	0 12	21 12	1 1	2 34	1 39	20 58	0 33	22 19	0 26	4 4	1 34
W28	2 5	19 12	0 26	0 40	1 29	13 26	0 15	21 16	1 0	2 31	1 39	20 58	0 33	22 19	0 26	4 5	1 34
T 29	2 28	14 47	0s39	0 2	1 9	13 6	0 19	21 20	0 58	2 28	1 39	20 58	0 33	22 19	0 26	4 6	1 34
F 30	2s52	9n51	1s42	0n33	0s49	12n45	0n23	21n24	0s56	2n25	1s39	20s58	0s33	22n18	0n26	4s 6	1n34

Julian Day Number = 2373261.5, Delta T = 22.18 sec

Ecliptic obliquity = 23°28'08, Nutation = 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°44'52, Lahiri = 20°51'52Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1785
geocentric

OCTOBER 1785

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 40 26	8♌11'03	12♏ 1	26°R14	28♏23	12♏48	9°R46	28°R46	20♏42	14♏ 6	10°R55	10°R42	8♏53	5♏29	0°R39	S 1
S 2	0 44 23	9°10'13	23°52	25♏52	29°43	13° 3	9°Y38	28♏46	20°43	14° 8	10♏54	10♏35	8°49	5°36	0♏38	S 2
M 3	0 48 19	10° 9'25	5♏42	25°41	0♏54	13°17	9°30	28°D46	20°45	14°10	10°54	10°25	8°46	5°43	0°36	M 3
T 4	0 52 16	11° 8'39	17°33	25°D40	2° 4	13°30	9°22	28°46	20°46	14°13	10°53	10°14	8°43	5°49	0°34	T 4
W 5	0 56 13	12° 7'55	29°27	25°50	3°15	13°43	9°14	28°46	20°47	14°15	10°53	10° 2	8°40	5°56	0°32	W 5
T 6	1 0 9	13° 7'13	11♏26	26°10	4°26	13°54	9° 5	28°47	20°48	14°17	10°52	9°50	8°37	6° 3	0°30	T 6
F 7	1 4 6	14° 6'33	23°31	26°40	5°37	14° 6	8°57	28°47	20°49	14°19	10°52	9°39	8°33	6° 9	0°28	F 7
S 8	1 8 2	15° 5'55	5♏44	27°20	6°48	14°16	8°49	28°47	20°50	14°22	10°51	9°30	8°30	6°16	0°26	S 8
S 9	1 11 59	16° 5'19	18° 8	28° 8	7°59	14°26	8°41	28°48	20°51	14°24	10°51	9°24	8°27	6°23	0°24	S 9
M10	1 15 55	17° 4'44	0♏45	29° 4	9°10	14°35	8°34	28°49	20°52	14°26	10°50	9°21	8°24	6°30	0°22	M10
T 11	1 19 52	18° 4'12	13°40	0♏ 7	10°22	14°43	8°26	28°49	20°53	14°28	10°50	9°D20	8°21	6°36	0°20	T 11
W12	1 23 48	19° 3'41	26°56	1°16	11°33	14°50	8°18	28°50	20°54	14°31	10°50	9°20	8°18	6°43	0°18	W12
T 13	1 27 45	20° 3'12	10♏36	2°31	12°45	14°57	8°10	28°51	20°55	14°33	10°49	9°R20	8°14	6°50	0°16	T 13
F 14	1 31 42	21° 2'44	24°43	3°50	13°57	15° 3	8° 2	28°52	20°55	14°35	10°49	9°19	8°11	6°56	0°13	F 14
S 15	1 35 38	22° 2'18	9♏15	5°14	15° 8	15° 8	7°55	28°54	20°56	14°37	10°49	9°16	8° 8	7° 3	0°11	S 15
S 16	1 39 35	23° 1'54	24°10	6°41	16°20	15°12	7°47	28°55	20°57	14°39	10°49	9°11	8° 5	7°10	0° 8	S 16
M17	1 43 31	24° 1'32	9°Y22	8°11	17°32	15°15	7°40	28°56	20°57	14°42	10°48	9° 2	8° 2	7°16	0° 6	M17
T 18	1 47 28	25° 1'12	24°39	9°44	18°44	15°18	7°33	28°58	20°58	14°44	10°48	8°52	7°58	7°23	0° 3	T 18
W19	1 51 24	26° 0'54	9♏51	11°18	19°57	15°20	7°25	28°59	20°58	14°46	10°48	8°41	7°55	7°30	0° 1	W19
T 20	1 55 21	27° 0'38	24°48	12°54	21° 9	15°20	7°18	29° 1	20°59	14°48	10°48	8°30	7°52	7°37	29♏56	T 20
F 21	1 59 17	28° 0'24	9♏20	14°31	22°21	15°R20	7°11	29° 3	20°59	14°51	10°48	8°21	7°49	7°43	29°56	F 21
S 22	2 3 14	29° 0'12	23°24	16°10	23°34	15°20	7° 4	29° 5	20°59	14°53	10°48	8°15	7°46	7°50	29°53	S 22
S 23	2 7 11	0♏ 0'03	6♏56	17°49	24°46	15°18	6°57	29° 6	20°59	14°55	10°48	8°11	7°43	7°57	29°50	S 23
M24	2 11 7	0°59'56	20° 1	19°28	25°59	15°15	6°51	29° 9	21° 0	14°57	10°D48	8° 9	7°39	8° 3	29°47	M24
T 25	2 15 4	1°59'51	2♏40	21° 8	27°12	15°12	6°44	29°11	21° 0	14°59	10°48	8° 9	7°36	8°10	29°45	T 25
W26	2 19 0	2°59'48	14°59	22°48	28°25	15° 7	6°37	29°13	21° 0	15° 1	10°48	8° 9	7°33	8°17	29°42	W26
T 27	2 22 57	3°59'47	27° 4	24°28	29°37	15° 2	6°31	29°15	21°R 0	15° 4	10°48	8° 8	7°30	8°24	29°39	T 27
F 28	2 26 53	4°59'49	8♏59	26° 7	0♏50	14°56	6°25	29°18	21° 0	15° 6	10°48	8° 5	7°27	8°30	29°36	F 28
S 29	2 30 50	5°59'52	20°49	27°47	2° 4	14°49	6°19	29°20	21° 0	15° 8	10°48	7°59	7°24	8°37	29°33	S 29
S 30	2 34 46	6°59'58	2♏38	29°27	3°17	14°41	6°13	29°23	21° 0	15°10	10°48	7°50	7°20	8°44	29°30	S 30
M31	2 38 43	8♏ 0'05	14♏29	1♏ 6	4♏30	14♏32	6°Y 7	29♏26	20♏59	15♏12	10♏48	7♏39	7♏17	8♏50	29♏27	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	3s15	4n37	2s39	1n 4	0s29	12n24	0n26	21n28	0s54	2n21	1s39	20s58	0s33	22n18	0n26	4s 7	1n34	24s42	7s29	17s34	18s 4	6s 8	16n44	3s40			
S 2	3 38	0s45	3 29	1 30	0 9	12 3	0 30	21 31	0 53	2 18	1 39	20 59	0 33	22 18	0 26	4 8	1 34	24 42	7 29	17 36	18 5	6 11	16 43	3 40			
M 3	4 2	6 5	4 10	1 51	0n 9	11 41	0 33	21 35	0 51	2 15	1 39	20 59	0 33	22 18	0 26	4 9	1 34	24 42	7 29	17 39	18 5	6 14	16 42	3 40			
T 4	4 25	11 12	4 40	2 7	0 26	11 19	0 36	21 38	0 49	2 12	1 39	20 59	0 33	22 18	0 26	4 10	1 34	24 42	7 29	17 42	18 6	6 17	16 42	3 41			
W 5	4 48	15 56	4 58	2 18	0 41	10 57	0 40	21 42	0 47	2 9	1 39	20 59	0 33	22 18	0 26	4 11	1 34	24 42	7 28	17 45	18 7	6 20	16 41	3 41			
T 6	5 11	20 4	5 3	2 23	0 56	10 34	0 43	21 45	0 45	2 6	1 39	20 59	0 33	22 17	0 26	4 12	1 34	24 42	7 28	17 49	18 8	6 23	16 40	3 41			
F 7	5 34	23 25	4 54	2 22	1 9	10 11	0 46	21 48	0 43	2 3	1 39	20 58	0 33	22 17	0 26	4 12	1 34	24 42	7 28	17 51	18 9	6 26	16 40	3 42			
S 8	5 57	25 45	4 32	2 17	1 20	9 47	0 49	21 52	0 41	1 59	1 39	20 58	0 33	22 17	0 26	4 13	1 34	24 42	7 28	17 54	18 10	6 29	16 39	3 42			
S 9	6 20	26 52	3 57	2 7	1 30	9 23	0 52	21 55	0 39	1 56	1 39	20 58	0 33	22 17	0 26	4 14	1 34	24 42	7 28	17 55	18 10	6 32	16 38	3 42			
M10	6 43	26 38	3 10	1 52	1 38	8 59	0 55	21 58	0 37	1 53	1 39	20 58	0 33	22 17	0 26	4 15	1 34	24 42	7 28	17 56	18 11	6 36	16 38	3 42			
T 11	7 6	24 57	2 12	1 34	1 45	8 35	0 58	22 1	0 35	1 50	1 38	20 58	0 34	22 17	0 27	4 16	1 34	24 42	7 28	17 57	18 12	6 39	16 37	3 43			
W12	7 28	21 52	1 5	1 11	1 51	8 10	1 1	22 4	0 33	1 47	1 38	20 58	0 34	22 17	0 27	4 17	1 34	24 42	7 28	17 57	18 13	6 42	16 36	3 43			
T 13	7 51	17 29	0n 7	0 46	1 55	7 46	1 3	22 7	0 30	1 44	1 38	20 58	0 34	22 17	0 27	4 18	1 34	24 42	7 28	17 56	18 14	6 45	16 35	3 43			
F 14	8 13	12 2	1 21	0 17	1 59	7 20	1 6	22 10	0 28	1 41	1 38	20 58	0 34	22 17	0 27	4 18	1 34	24 42	7 27	17 57	18 14	6 48	16 35	3 43			
S 15	8 36	5 46	2 31	0s14	2 1	6 55	1 9	22 13	0 26	1 38	1 38	20 57	0 34	22 17	0 27	4 19	1 34	24 42	7 27	17 57	18 15	6 51	16 34	3 44			
S 16	8 58	0n57	3 34	0 48	2 2	6 29	1 11	22 15	0 23	1 36	1 38	20 57	0 34	22 16	0 27	4 20	1 34	24 42	7 27	17 59	18 16	6 54	16 33	3 44			
M17	9 20	7 43	4 22	1 23	2 2	6 3	1 13	22 18	0 21	1 33	1 38	20 57	0 34	22 16	0 27	4 21	1 34	24 42	7 27	18 1	18 17	6 57	16 32	3 44			
T 18	9 42	14 5	4 52	2 0	2 1	5 37	1 16	22 21	0 19	1 30	1 38	20 56	0 34	22 16	0 27	4 22	1 34	24 42	7 27	18 4	18 18	7 0	16 32	3 45			
W19	10 4	19 32	5 1	2 38	2 0	5 11	1 18	22 24	0 16	1 27	1 38	20 56	0 34	22 16	0 27	4 23	1 34	24 42	7 27	18 7	18 19	7 3	16 31	3 45			
T 20	10 25	23 40	4 49	3 17	1 58	4 44	1 20	22 26	0 14	1 25	1 37	20 56	0 34	22 16	0 27	4 24	1 34	24 42	7 27	18 10	18 19	7 6	16 30	3 45			
F 21	10 47	26 8	4 19	3 58	1 55	4 18	1 22	22 29	0 11	1 22	1 37	20 56	0 34	22 16	0 27	4 24	1 34	24 42	7 26	18 12	18 20	7 9	16 29	3 45			
S 22	11 8	26 51	3 33	4 38	1 52	3 51	1 24	22 31	0 9	1 19	1 37	20 55	0 34	22 16	0 27	4 25	1 34	24 41	7 26	18 14	18 21	7 13	16 29	3 46			
S 23	11 29	25 54	2 37	5 20	1 48	3 24	1 26	22 33	0 6	1 17	1 37	20 55	0 34	22 16	0 27	4 26	1 34	24 41	7 26	18 15	18 22	7 16	16 28	3 46			
M24	11 50	23 32	1 34	6 1	1 44	2 56	1 28	22 36	0 3	1 14	1 37	20 54	0 34	22 16	0 27	4 27	1 34	24 41	7 26	18 15	18 23	7 19	16 27	3 46			
T 25	12 11	20 4	0 29	6 43	1 39	2 29	1 30	22 38	0 1	1 12	1 37	20 54	0 34	22 16	0 27	4 28	1 34	24 41	7 26	18 15	18 24	7 22	16 26	3 46			
W26	12 32	15 47	0s36	7 25	1 35	2 2	1 31	22 40	0n 2	1 9	1 36	20 53	0 34	22 16	0 27	4 28	1 34	24 41	7 26	18 15	18 24	7 25	16 25	3 46			
T 27	12 52	10 58	1 38	8 6	1 29	1 34	1 33	22 42	0 5	1 7	1 36	20 53	0 34	22 16	0 27	4 29	1 34	24 41	7 26	18 15	18 25	7 28	16 24	3 47			
F 28	13 12	5 49	2 35	8 48	1 24	1 6	1 34	22 45	0 8	1 5	1 36	20 53	0 34	22 16	0 27	4 30	1 34	24 41	7 26	18 16	18 26	7 31	16 24	3 47			
S 29	13 32	0 31	3 25	9 29	1 18	0 38	1 36	22 47	0 10	1 3	1 36	20 52	0 34	22 16	0 27	4 31	1 34	24 40	7 25	18 18	18 27	7 34	16 23	3 47			
S 30	13 52	4s48	4 5	10 10	1 12	0 11	1 37	22 48	0 13	1 0	1 36	20 52	0 34	22 16	0 27	4 32	1 34	24 40	7 25	18 20	18 28	7 37	16 22	3 47			
M31	14s12	9s57	4s36	10s51	1n 6	0s17	1n38	22n50	0n16	0n58	1s35	20s51	0s34	22n17	0n27	4s32	1n35	24s40	7s25	18s23	18s28	7s40	16n21	3s48			

ASTRODIENST EPHEMERIS for the year 1785
geocentric

NOVEMBER 1785

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	2 42 40	9♍ 0°15	26♊24	2♈45	5♌43	14°R22	6°R 2	29♎28	20°R59	15♏14	10♐49	7°R25	7♎14	8♌57	29°R24	T 1
W 2	2 46 36	10° 0°26	8♍25	4°24	6°56	14II11	5°Y56	29°31	20♎59	15°16	10°49	7♎10	7°11	9° 4	29♎21	W 2
T 3	2 50 33	11° 0°39	20°34	6° 3	8°10	14° 0	5°51	29°34	20°58	15°18	10°49	6°56	7° 8	9°10	29°17	T 3
F 4	2 54 29	12° 0°54	2♊50	7°41	9°23	13°47	5°46	29°37	20°58	15°20	10°49	6°42	7° 4	9°17	29°14	F 4
S 5	2 58 26	13° 1°11	15°15	9°19	10°37	13°34	5°41	29°41	20°57	15°22	10°50	6°31	7° 1	9°24	29°11	S 5
S 6	3 2 22	14° 1°30	27°49	10°56	11°51	13°20	5°36	29°44	20°57	15°24	10°50	6°23	6°58	9°31	29° 8	S 6
M 7	3 6 19	15° 1°50	10♎35	12°33	13° 4	13° 5	5°32	29°47	20°56	15°26	10°50	6°19	6°55	9°37	29° 5	M 7
T 8	3 10 15	16° 2°11	23°34	14°10	14°18	12°50	5°27	29°51	20°56	15°28	10°51	6°16	6°52	9°44	29° 1	T 8
W 9	3 14 12	17° 2°34	6♎49	15°47	15°32	12°33	5°23	29°54	20°55	15°30	10°51	6°D16	6°49	9°51	28°58	W 9
T 10	3 18 9	18° 2°58	20°23	17°23	16°45	12°17	5°19	29°58	20°54	15°32	10°52	6°R16	6°45	9°57	28°55	T 10
F 11	3 22 5	19° 3°23	4♈18	18°59	17°59	11°59	5°15	0♎ 2	20°53	15°34	10°52	6°15	6°42	10° 4	28°52	F 11
S 12	3 26 2	20° 3°50	18°33	20°34	19°13	11°41	5°12	0° 5	20°53	15°36	10°53	6°13	6°39	10°11	28°48	S 12
S 13	3 29 58	21° 4°18	3°Y 9	22°10	20°27	11°22	5° 8	0° 9	20°52	15°38	10°53	6° 7	6°36	10°18	28°45	S 13
M14	3 33 55	22° 4°47	18° 0	23°45	21°41	11° 2	5° 5	0°13	20°51	15°40	10°54	5°59	6°33	10°24	28°42	M14
T 15	3 37 51	23° 5°18	2♎59	25°19	22°55	10°42	5° 2	0°17	20°50	15°42	10°54	5°49	6°30	10°31	28°38	T 15
W16	3 41 48	24° 5°50	17°59	26°54	24° 9	10°22	4°59	0°21	20°49	15°44	10°55	5°38	6°26	10°38	28°35	W16
T 17	3 45 44	25° 6°24	2II47	28°28	25°24	10° 1	4°56	0°25	20°48	15°46	10°56	5°27	6°23	10°44	28°32	T 17
F 18	3 49 41	26° 6°59	17°18	0♊ 2	26°38	9°39	4°54	0°30	20°47	15°47	10°56	5°18	6°20	10°51	28°28	F 18
S 19	3 53 38	27° 7°36	1♎23	1°36	27°52	9°18	4°52	0°34	20°45	15°49	10°57	5°11	6°17	10°58	28°25	S 19
S 20	3 57 34	28° 8°15	15° 0	3°10	29° 6	8°56	4°50	0°39	20°44	15°51	10°58	5° 7	6°14	11° 5	28°21	S 20
M21	4 1 31	29° 8°55	28°10	4°43	0♍21	8°33	4°48	0°43	20°43	15°53	10°58	5° 5	6°10	11°11	28°18	M21
T 22	4 5 27	0♊ 9°36	10♌54	6°17	1°35	8°11	4°46	0°48	20°41	15°54	10°59	5°D 5	6° 7	11°18	28°15	T 22
W23	4 9 24	1°10°20	23°17	7°50	2°50	7°48	4°45	0°52	20°40	15°56	11° 0	5° 6	6° 4	11°25	28°11	W23
T 24	4 13 20	2°11°04	5♎24	9°23	4° 4	7°25	4°43	0°57	20°39	15°58	11° 1	5°R 6	6° 1	11°31	28° 8	T 24
F 25	4 17 17	3°11°51	17°20	10°57	5°18	7° 2	4°42	1° 2	20°37	16° 0	11° 2	5° 5	5°58	11°38	28° 5	F 25
S 26	4 21 13	4°12°38	29°11	12°30	6°33	6°39	4°42	1° 7	20°36	16° 1	11° 3	5° 1	5°55	11°45	28° 1	S 26
S 27	4 25 10	5°13°28	11♊ 1	14° 2	7°48	6°16	4°41	1°12	20°34	16° 3	11° 3	4°56	5°51	11°52	27°58	S 27
M28	4 29 7	6°14°18	22°55	15°35	9° 2	5°53	4°41	1°17	20°32	16° 4	11° 4	4°47	5°48	11°58	27°55	M28
T 29	4 33 3	7°15°10	4♍55	17° 8	10°17	5°31	4°D40	1°22	20°31	16° 6	11° 5	4°37	5°45	12° 5	27°51	T 29
W30	4 37 0	8♊16°04	17♍ 4	18♊41	11♍32	5II 8	4°Y40	1♎27	20♎29	16♏ 8	11♐ 6	4♎26	5♎42	12♏12	27♎48	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	decl	decl	decl	decl	lat	decl	decl	decl	lat
T 1	14s31	14s45	4s54	11s31	1n 0	0s45	1n39	22n52	0n19	0n56	1s35	20s50	0s34	22n17	0n27	4s33	1n35	24s40	7s25	18s26	18s29	7s43	16n20	3s48									
W 2	14 50	19 3	4 59	12 10	0 53	1 13	1 40	22 54	0 22	0 54	1 35	20 50	0 34	22 17	0 27	4 34	1 35	24 40	7 25	18 30	18 30	7 46	16 19	3 48									
T 3	15 9	22 35	4 51	12 49	0 47	1 42	1 41	22 55	0 25	0 53	1 35	20 49	0 34	22 17	0 27	4 35	1 35	24 40	7 25	18 34	18 31	7 49	16 19	3 48									
F 4	15 28	25 9	4 29	13 28	0 40	2 10	1 42	22 57	0 28	0 51	1 35	20 49	0 34	22 17	0 27	4 36	1 35	24 39	7 25	18 37	18 32	7 52	16 18	3 48									
S 5	15 46	26 32	3 55	14 5	0 33	2 38	1 43	22 58	0 31	0 49	1 34	20 48	0 34	22 17	0 27	4 36	1 35	24 39	7 24	18 40	18 32	7 55	16 17	3 49									
S 6	16 4	26 35	3 8	14 42	0 27	3 6	1 44	23 0	0 34	0 47	1 34	20 47	0 34	22 17	0 27	4 37	1 35	24 39	7 24	18 42	18 33	7 58	16 16	3 49									
M 7	16 22	25 14	2 11	15 19	0 20	3 34	1 44	23 1	0 37	0 46	1 34	20 47	0 34	22 17	0 27	4 38	1 35	24 39	7 24	18 43	18 34	8 1	16 15	3 49									
T 8	16 39	22 30	1 7	15 54	0 13	4 2	1 45	23 2	0 40	0 44	1 34	20 46	0 34	22 17	0 27	4 39	1 35	24 38	7 24	18 44	18 35	8 4	16 14	3 49									
W 9	16 57	18 33	0n 3	16 29	0 6	4 30	1 45	23 3	0 43	0 43	1 33	20 45	0 34	22 17	0 27	4 39	1 35	24 38	7 24	18 44	18 36	8 7	16 13	3 49									
T 10	17 14	13 32	1 14	17 3	0s 0	4 58	1 45	23 4	0 46	0 41	1 33	20 44	0 34	22 18	0 27	4 40	1 35	24 38	7 24	18 44	18 36	8 10	16 13	3 49									
F 11	17 30	7 44	2 22	17 36	0 7	5 26	1 46	23 4	0 49	0 40	1 33	20 44	0 34	22 18	0 28	4 41	1 35	24 38	7 24	18 44	18 37	8 13	16 12	3 50									
S 12	17 47	1 24	3 24	18 8	0 14	5 54	1 46	23 5	0 53	0 39	1 33	20 43	0 34	22 18	0 28	4 41	1 35	24 37	7 24	18 45	18 38	8 16	16 11	3 50									
S 13	18 3	5n 7	4 13	18 39	0 20	6 22	1 46	23 5	0 56	0 38	1 32	20 42	0 34	22 18	0 28	4 42	1 35	24 37	7 23	18 46	18 39	8 19	16 10	3 50									
M14	18 19	11 29	4 47	19 10	0 27	6 49	1 46	23 6	0 59	0 37	1 32	20 41	0 34	22 18	0 28	4 43	1 35	24 37	7 23	18 48	18 40	8 22	16 9	3 50									
T 15	18 34	17 14	5 1	19 39	0 33	7 17	1 46	23 6	1 2	0 36	1 32	20 40	0 34	22 18	0 28	4 43	1 35	24 36	7 23	18 50	18 40	8 25	16 8	3 50									
W16	18 49	21 55	4 54	20 8	0 40	7 44	1 46	23 6	1 5	0 35	1 32	20 39	0 34	22 19	0 28	4 44	1 35	24 36	7 23	18 53	18 41	8 28	16 7	3 50									
T 17	19 4	25 7	4 28	20 35	0 46	8 12	1 46	23 6	1 8	0 34	1 31	20 39	0 34	22 19	0 28	4 45	1 35	24 36	7 23	18 56	18 42	8 31	16 7	3 50									
F 18	19 18	26 36	3 45	21 2	0 52	8 39	1 45	23 6	1 11	0 33	1 31	20 38	0 34	22 19	0 28	4 46	1 35	24 36	7 23	18 58	18 43	8 34	16 6	3 50									
S 19	19 32	26 17	2 49	21 27	0 58	9 6	1 45	23 5	1 14	0 33	1 31	20 37	0 34	22 19	0 28	4 46	1 35	24 35	7 23	19 0	18 44	8 37	16 5	3 51									
S 20	19 46	24 21	1 45	21 52	1 4	9 32	1 45	23 5	1 17	0 32	1 30	20 36	0 34	22 19	0 28	4 47	1 35	24 35	7 22	19 1	18 44	8 40	16 4	3 51									
M21	20 0	21 9	0 37	22 15	1 10	9 59	1 44	23 4	1 20	0 32	1 30	20 35	0 34	22 20	0 28	4 47	1 35	24 35	7 22	19 1	18 45	8 43	16 3	3 51									
T 22	20 13	17 1	0s31	22 38	1 16	10 25	1 43	23 3	1 22	0 31	1 30	20 34	0 34	22 20	0 28	4 48	1 35	24 34	7 22	19 1	18 46	8 46	16 2	3 51									
W23	20 25	12 16	1 35	22 59	1 21	10 51	1 43	23 2	1 25	0 31	1 30	20 33	0 34	22 20	0 28	4 49	1 35	24 34	7 22	19 1	18 47	8 49	16 2	3 51									
T 24	20 37	7 9	2 34	23 19	1 27	11 17	1 42	23 1	1 28	0 31	1 29	20 32	0 35	22 20	0 28	4 49	1 35	24 34	7 22	19 1	18 47	8 52	16 1	3 51									
F 25	20 49	1 51	3 25	23 37	1 32	11 43	1 41	23 0	1 31	0 31	1 29	20 31	0 35	22 21	0 28	4 50	1 35	24 33	7 22	19 1	18 48	8 55	16 0	3 51									
S 26	21 1	3s27	4 7	23 55	1 37	12 8	1 40	22 59	1 34	0 31	1 29	20 30	0 35	22 21	0 28	4 50	1 35	24 33	7 22	19 2	18 49	8 58	15 59	3 51									
S 27	21 12	8 38	4 38	24 11	1 41	12 34	1 39	22 58	1 36	0 31	1 28	20 29	0 35	22 21	0 28	4 51	1 35	24 32	7 22	19 3	18 50	9 1	15 58	3 51									
M28	21 23	13 31	4 58	24 27	1 46	12 58	1 38	22 56	1 39	0 31	1 28	20 28	0 35	22 21	0 28	4 52	1 36	24 32	7 22	19 5	18 51	9 4	15 58	3 51									
T 29	21 33	17 57	5 4	24 40	1 50	13 23	1 37	22 55	1 41	0 31	1 28	20 27	0 35	22 22	0 28	4 52	1 36	24 32	7 21	19 8	18 51	9 7	15 57	3 51									
W30	21s43	21s41	4s57	24s53	1s54	13s47	1n36	22n53	1n44	0n31	1s28	20s26	0s35	22n22	0n28	4s53	1n36	24s31	7s21	19s11	18s52	9s10	15n56	3s51									

ASTRODIENST EPHEMERIS for the year 1785
geocentric

DECEMBER 1785

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 40 56	9♌16'58	29♍23	20♊13	12♋46	4°R46	4♍41	1♎32	20°R27	16♏9	11♐7	4°R15	5♑39	12♒18	27°R45	T 1
F 2	4 44 53	10°17'54	11♌54	21°46	14° 1	4♍24	4°41	1°37	20♏26	16°11	11° 8	4♑5	5°36	12°25	27♒41	F 2
S 3	4 48 49	11°18'51	24°36	23°18	15°16	4° 2	4°42	1°43	20°24	16°12	11° 9	3°57	5°32	12°32	27°38	S 3
S 4	4 52 46	12°19'49	7♋30	24°50	16°31	3°41	4°43	1°48	20°22	16°13	11°10	3°51	5°29	12°38	27°35	S 4
M 5	4 56 42	13°20'47	20°34	26°22	17°45	3°20	4°44	1°54	20°20	16°15	11°12	3°48	5°26	12°45	27°32	M 5
T 6	5 0 39	14°21'47	3♋50	27°54	19° 0	2°59	4°45	1°59	20°18	16°16	11°13	3°D47	5°23	12°52	27°28	T 6
W 7	5 4 36	15°22'47	17°17	29°25	20°15	2°40	4°46	2° 5	20°16	16°18	11°14	3°47	5°20	12°59	27°25	W 7
T 8	5 8 32	16°23'47	0♋57	0♋57	21°30	2°20	4°48	2°10	20°14	16°19	11°15	3°49	5°16	13° 5	27°22	T 8
F 9	5 12 29	17°24'48	14°49	2°27	22°45	2° 1	4°50	2°16	20°12	16°20	11°16	3°R49	5°13	13°12	27°19	F 9
S 10	5 16 25	18°25'49	28°55	3°58	24° 0	1°43	4°52	2°22	20°10	16°22	11°17	3°49	5°10	13°19	27°16	S 10
S 11	5 20 22	19°26'51	13♍12	5°27	25°15	1°26	4°54	2°28	20° 8	16°23	11°19	3°47	5° 7	13°25	27°13	S 11
M12	5 24 18	20°27'54	27°39	6°56	26°30	1° 9	4°57	2°34	20° 6	16°24	11°20	3°42	5° 4	13°32	27°10	M12
T 13	5 28 15	21°28'57	12♒11	8°25	27°45	0°53	5° 0	2°40	20° 4	16°25	11°21	3°36	5° 1	13°39	27° 7	T 13
W14	5 32 11	22°30'00	26°43	9°52	29° 0	0°37	5° 2	2°45	20° 1	16°26	11°22	3°30	4°57	13°46	27° 4	W14
T 15	5 36 8	23°31'04	11♋8	11°18	0♊14	0°22	5° 6	2°52	19°59	16°27	11°24	3°23	4°54	13°52	27° 1	T 15
F 16	5 40 5	24°32'08	25°20	12°42	1°30	0° 9	5° 9	2°58	19°57	16°29	11°25	3°17	4°51	13°59	26°58	F 16
S 17	5 44 1	25°33'13	9♒13	14° 5	2°45	29♒55	5°12	3° 4	19°55	16°30	11°26	3°13	4°48	14° 6	26°55	S 17
S 18	5 47 58	26°34'19	22°44	15°26	4° 0	29°43	5°16	3°10	19°52	16°31	11°28	3°11	4°45	14°12	26°52	S 18
M19	5 51 54	27°35'25	5♒25	16°45	5°15	29°31	5°20	3°16	19°50	16°32	11°29	3°D10	4°42	14°19	26°49	M19
T 20	5 55 51	28°36'31	18°39	18° 1	6°30	29°20	5°24	3°22	19°48	16°33	11°31	3°11	4°38	14°26	26°47	T 20
W21	5 59 47	29°37'39	1♍5	19°13	7°45	29°10	5°28	3°29	19°45	16°34	11°32	3°13	4°35	14°33	26°44	W21
T 22	6 3 44	0♋38'46	13°16	20°22	9° 0	29° 1	5°33	3°35	19°43	16°35	11°33	3°15	4°32	14°39	26°41	T 22
F 23	6 7 41	1°39'55	25°15	21°26	10°15	28°53	5°37	3°42	19°40	16°35	11°35	3°16	4°29	14°46	26°39	F 23
S 24	6 11 37	2°41'04	7♒8	22°25	11°30	28°45	5°42	3°48	19°38	16°36	11°36	3°R16	4°26	14°53	26°36	S 24
S 25	6 15 34	3°42'13	18°59	23°19	12°45	28°38	5°47	3°54	19°35	16°37	11°38	3°15	4°22	14°59	26°34	S 25
M26	6 19 30	4°43'23	0♍54	24° 6	14° 0	28°32	5°52	4° 1	19°33	16°38	11°39	3°12	4°19	15° 6	26°31	M26
T 27	6 23 27	5°44'33	12°57	24°45	15°16	28°27	5°58	4° 8	19°30	16°39	11°41	3° 8	4°16	15°13	26°29	T 27
W28	6 27 23	6°45'44	25°11	25°15	16°31	28°23	6° 3	4°14	19°28	16°39	11°42	3° 4	4°13	15°20	26°26	W28
T 29	6 31 20	7°46'55	7♊39	25°37	17°46	28°19	6° 9	4°21	19°25	16°40	11°44	2°59	4°10	15°26	26°24	T 29
F 30	6 35 16	8°48'06	20°22	25°48	19° 1	28°17	6°15	4°28	19°23	16°41	11°46	2°55	4° 7	15°33	26°22	F 30
S 31	6 39 13	9♋49'18	3♋22	25°R48	20♊16	28♒15	6♍21	4♎34	19♒20	16♏41	11♐47	2♑52	4♒3	15♒40	26♒19	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	lat
T 1	21s52	24s32	4s36	25s 4	1s58	14s11	1n35	22n51	1n46	0n32	1s27	20s24	0s35	22n22	0n28	4s53	1n36	24s31	7s21	19s13	18s53	9s13	15n55	3s52
F 2	22 1	26 14	4 1	25 14	2 1	14 35	1 33	22 49	1 48	0 32	1 27	20 23	0 35	22 23	0 28	4 54	1 36	24 31	7 21	19 16	18 54	9 16	15 54	3 52
S 3	22 10	26 36	3 14	25 22	2 5	14 58	1 32	22 48	1 51	0 33	1 27	20 22	0 35	22 23	0 28	4 54	1 36	24 30	7 21	19 18	18 55	9 19	15 54	3 52
S 4	22 18	25 32	2 16	25 30	2 8	15 21	1 31	22 46	1 53	0 33	1 26	20 21	0 35	22 23	0 28	4 55	1 36	24 30	7 21	19 19	18 55	9 22	15 53	3 52
M 5	22 26	23 3	1 10	25 35	2 10	15 43	1 29	22 44	1 55	0 34	1 26	20 20	0 35	22 23	0 28	4 55	1 36	24 29	7 21	19 20	18 56	9 25	15 52	3 52
T 6	22 33	19 19	0n 0	25 39	2 12	16 5	1 28	22 42	1 57	0 35	1 26	20 18	0 35	22 24	0 28	4 56	1 36	24 29	7 21	19 20	18 57	9 28	15 51	3 52
W 7	22 40	14 31	1 12	25 42	2 14	16 27	1 26	22 40	1 59	0 36	1 25	20 17	0 35	22 24	0 28	4 56	1 36	24 28	7 21	19 20	18 58	9 31	15 51	3 52
T 8	22 46	8 57	2 21	25 43	2 16	16 48	1 24	22 38	2 1	0 36	1 25	20 16	0 35	22 24	0 28	4 57	1 36	24 28	7 20	19 19	18 58	9 34	15 50	3 52
F 9	22 52	2 52	3 23	25 43	2 17	17 9	1 23	22 36	2 3	0 38	1 25	20 15	0 35	22 25	0 28	4 57	1 36	24 28	7 20	19 19	18 59	9 37	15 49	3 52
S 10	22 58	3n27	4 14	25 42	2 17	17 29	1 21	22 34	2 5	0 39	1 25	20 13	0 35	22 25	0 28	4 58	1 36	24 27	7 20	19 19	19 0	9 40	15 49	3 52
S 11	23 3	9 39	4 49	25 38	2 17	17 49	1 19	22 32	2 6	0 40	1 24	20 12	0 35	22 25	0 28	4 58	1 36	24 27	7 20	19 20	19 1	9 42	15 48	3 52
M12	23 8	15 25	5 7	25 34	2 17	18 9	1 17	22 30	2 8	0 41	1 24	20 11	0 35	22 26	0 28	4 59	1 36	24 26	7 20	19 21	19 1	9 45	15 47	3 52
T 13	23 12	20 21	5 5	25 27	2 16	18 28	1 15	22 28	2 9	0 42	1 24	20 10	0 35	22 26	0 28	4 59	1 36	24 26	7 20	19 22	19 2	9 48	15 47	3 52
W14	23 15	24 3	4 44	25 20	2 14	18 46	1 13	22 26	2 11	0 44	1 23	20 8	0 35	22 26	0 28	4 59	1 36	24 25	7 20	19 24	19 3	9 51	15 46	3 52
T 15	23 19	26 11	4 5	25 10	2 12	19 4	1 11	22 24	2 12	0 45	1 23	20 7	0 35	22 27	0 28	5 0	1 36	24 25	7 20	19 25	19 4	9 54	15 45	3 52
F 16	23 21	26 34	3 11	25 0	2 9	19 21	1 9	22 23	2 13	0 47	1 23	20 5	0 35	22 27	0 28	5 0	1 36	24 24	7 20	19 27	19 5	9 57	15 45	3 52
S 17	23 24	25 15	2 7	24 48	2 5	19 38	1 7	22 21	2 15	0 49	1 22	20 4	0 35	22 28	0 28	5 0	1 36	24 24	7 20	19 28	19 5	10 0	15 44	3 52
S 18	23 25	22 29	0 57	24 34	2 1	19 54	1 5	22 20	2 16	0 50	1 22	20 3	0 35	22 28	0 28	5 1	1 37	24 24	7 20	19 28	19 6	10 3	15 43	3 52
M19	23 27	18 35	0s15	24 20	1 56	20 10	1 3	22 18	2 17	0 52	1 22	20 1	0 35	22 28	0 28	5 1	1 37	24 23	7 20	19 28	19 7	10 6	15 43	3 52
T 20	23 28	13 56	1 23	24 4	1 50	20 25	1 1	22 17	2 18	0 54	1 22	20 0	0 35	22 29	0 29	5 1	1 37	24 23	7 19	19 28	19 8	10 9	15 42	3 51
W21	23 28	8 49	2 26	23 47	1 43	20 40	0 58	22 15	2 19	0 56	1 21	19 58	0 35	22 29	0 29	5 2	1 37	24 22	7 19	19 28	19 8	10 12	15 42	3 51
T 22	23 28	3 29	3 22	23 29	1 35	20 54	0 56	22 14	2 20	0 58	1 21	19 57	0 35	22 29	0 29	5 2	1 37	24 22	7 19	19 27	19 9	10 15	15 41	3 51
F 23	23 27	1s53	4 7	23 10	1 26	21 8	0 54	22 13	2 21	1 0	1 21	19 56	0 35	22 30	0 29	5 2	1 37	24 21	7 19	19 27	19 10	10 17	15 41	3 51
S 24	23 26	7 8	4 41	22 51	1 16	21 20	0 51	22 12	2 22	1 2	1 20	19 54	0 36	22 30	0 29	5 3	1 37	24 21	7 19	19 27	19 11	10 20	15 40	3 51
S 25	23 25	12 7	5 3	22 31	1 4	21 33	0 49	22 12	2 22	1 5	1 20	19 53	0 36	22 30	0 29	5 3	1 37	24 20	7 19	19 27	19 11	10 23	15 40	3 51
M26	23 23	16 41	5 13	22 10	0 52	21 44	0 47	22 11	2 23	1 7	1 20	19 51	0 36	22 31	0 29	5 3	1 37	24 20	7 19	19 28	19 12	10 26	15 39	3 51
T 27	23 21	20 38	5 8	21 50	0 38	21 55	0 44	22 10	2 24	1 9	1 20	19 50	0 36	22 31	0 29	5 3	1 37	24 19	7 19	19 29	19 13	10 29	15 39	3 51
W28	23 18	23 46	4 50	21 30	0 24	22 5	0 42	22 10	2 24	1 12	1 19	19 48	0 36	22 32	0 29	5 4	1 37	24 19	7 19	19 30	19 14	10 32	15 38	3 51
T 29	23 14	25 51	4 18	21 11	0 8	22 15	0 39	22 10	2 25	1 14	1 19	19 46	0 36	22 32	0 29	5 4	1 37	24 18	7 19	19 31	19 14	10 35	15 38	3 51
F 30	23 11	26 39	3 32	20 52	0n 9	22 24	0 37	22 10	2 25	1 17	1 19	19 45	0 36	22 32	0 29	5 4	1 37	24 18	7 19	19 32	19 15	10 38	15 37	3 51
S 31	23s 6	26s 0	2s35	20s34	0n27	22s32	0n34	22n10	2n26	1n19	1s18	19s43	0s36	22n33	0n29	5s 4	1n37	24s17	7s19	19s33	19s16	10s40	15n37	3s51