



Astrodienst Ephemeris Tables for the year 1984

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 1984

geocentric

JANUARY 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 22	9♂44'41	14♂ 7	8°R 7	29♂.54	24♂40	25♂55	13♂.56	11♂ 8	29♂21	1♂.47	15°R54	14♂32	2♂12	28°R27	S 1
M 2	6 43 18	10°45'52	26°48	6♂47	1♂ 6	25°12	26° 8	14° 1	11°12	29°23	1°48	15♂53	14°29	2°19	28♂25	M 2
T 3	6 47 15	11°47'04	9♂18	5°30	2°18	25°44	26°21	14° 6	11°15	29°25	1°50	15°51	14°25	2°26	28°23	T 3
W 4	6 51 11	12°48'15	21°37	4°20	3°31	26°16	26°35	14°11	11°18	29°27	1°51	15°48	14°22	2°32	28°21	W 4
T 5	6 55 8	13°49'26	3♂47	3°17	4°43	26°48	26°48	14°16	11°22	29°30	1°52	15°43	14°19	2°39	28°19	T 5
F 6	6 59 5	14°50'37	15°49	2°23	5°56	27°19	27° 2	14°21	11°25	29°32	1°53	15°38	14°16	2°46	28°17	F 6
S 7	7 3 1	15°51'48	27°44	1°39	7° 8	27°51	27°15	14°25	11°28	29°34	1°54	15°32	14°13	2°52	28°15	S 7
S 8	7 6 58	16°52'58	9♂36	1° 6	8°21	28°22	27°28	14°30	11°31	29°36	1°55	15°27	14° 9	2°59	28°13	S 8
M 9	7 10 54	17°54'08	21°27	0°42	9°33	28°53	27°41	14°35	11°34	29°39	1°56	15°23	14° 6	3° 6	28°11	M 9
T 10	7 14 51	18°55'18	3♂21	0°28	10°46	29°25	27°55	14°39	11°37	29°41	1°57	15°20	14° 3	3°13	28° 9	T 10
W11	7 18 47	19°56'27	15°23	0°D23	11°59	29°56	28° 8	14°43	11°41	29°43	1°58	15°D19	14° 0	3°19	28° 8	W11
T 12	7 22 44	20°57'35	27°37	0°27	13°12	0♂.27	28°21	14°48	11°44	29°45	1°58	15°19	13°57	3°26	28° 6	T 12
F 13	7 26 40	21°58'43	10♂ 9	0°39	14°25	0°57	28°34	14°52	11°47	29°47	1°59	15°20	13°54	3°33	28° 4	F 13
S 14	7 30 37	22°59'50	23° 2	0°59	15°37	1°28	28°47	14°56	11°50	29°49	2° 0	15°22	13°50	3°40	28° 3	S 14
S 15	7 34 34	24° 0'57	6♂20	1°25	16°50	1°59	29° 0	15° 0	11°53	29°51	2° 1	15°23	13°47	3°46	28° 1	S 15
M16	7 38 30	25° 2'03	20° 6	1°57	18° 3	2°29	29°13	15° 4	11°56	29°54	2° 2	15°R23	13°44	3°53	28° 0	M16
T 17	7 42 27	26° 3'09	4♂19	2°35	19°16	2°59	29°26	15° 8	11°59	29°56	2° 2	15°22	13°41	4° 0	27°59	T 17
W18	7 46 23	27° 4'14	18°56	3°18	20°29	3°29	29°39	15°11	12° 1	29°58	2° 3	15°18	13°38	4° 6	27°57	W18
T 19	7 50 20	28° 5'18	3♂52	4° 6	21°43	3°59	29°52	15°15	12° 4	29°59	2° 3	15°13	13°35	4°13	27°56	T 19
F 20	7 54 16	29° 6'22	18°57	4°57	22°56	4°29	0♂ 5	15°19	12° 7	0♂ 2	2° 4	15° 6	13°31	4°20	27°55	F 20
S 21	7 58 13	0♂ 7'25	4♂ 1	5°53	24° 9	4°59	0°18	15°22	12°10	0° 4	2° 5	14°59	13°28	4°27	27°54	S 21
S 22	8 2 9	1° 8'28	18°56	6°51	25°22	5°28	0°30	15°25	12°13	0° 6	2° 5	14°52	13°25	4°33	27°53	S 22
M23	8 6 6	2° 9'30	3♂33	7°53	26°36	5°58	0°43	15°29	12°15	0° 8	2° 6	14°47	13°22	4°40	27°52	M23
T 24	8 10 3	3°10'32	17°49	8°57	27°49	6°27	0°56	15°32	12°18	0°10	2° 6	14°44	13°19	4°47	27°51	T 24
W25	8 13 59	4°11'33	1♂.40	10° 3	29° 2	6°56	1° 8	15°35	12°21	0°12	2° 6	14°D43	13°15	4°53	27°50	W25
T 26	8 17 56	5°12'34	15° 9	11°12	0♂16	7°25	1°21	15°38	12°23	0°14	2° 7	14°43	13°12	5° 0	27°50	T 26
F 27	8 21 52	6°13'34	28°16	12°23	1°29	7°53	1°33	15°41	12°26	0°16	2° 7	14°44	13° 9	5° 7	27°49	F 27
S 28	8 25 49	7°14'34	11♂ 6	13°36	2°43	8°22	1°45	15°44	12°28	0°18	2° 7	14°R45	13° 6	5°14	27°48	S 28
S 29	8 29 45	8°15'33	23°41	14°50	3°56	8°50	1°58	15°47	12°31	0°20	2° 8	14°45	13° 3	5°20	27°48	S 29
M30	8 33 42	9°16'32	6♂ 4	16° 6	5°10	9°18	2°10	15°49	12°33	0°21	2° 8	14°42	13° 0	5°27	27°47	M30
T 31	8 37 38	10♂17'29	18♂18	17♂23	6♂23	9♂.46	2♂22	15♂.52	12♂36	0♂23	2♂. 8	14♂37	12♂56	5♂34	27♂47	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	23s 5	22s20	0n10	20s32	2n40	18s 1	2n10	8s 2	1n39	23s 3	0n19	13s51	2n16	22s 4	0n 3	22s17
M 2	23 0	24 24	1s 0	20 24	2 52	18 17	2 8	8 13	1 39	23 4	0 19	13 53	2 17	22 4	0 3	22 17
T 3	22 55	25 12	2 5	20 18	3 2	18 33	2 7	8 25	1 39	23 4	0 19	13 54	2 17	22 5	0 3	22 17
W 4	22 50	24 43	3 3	20 14	3 9	18 49	2 5	8 36	1 39	23 5	0 19	13 55	2 17	22 5	0 3	22 17
T 5	22 43	23 5	3 53	20 11	3 13	19 4	2 3	8 47	1 39	23 5	0 19	13 56	2 17	22 5	0 3	22 17
F 6	22 37	20 24	4 31	20 10	3 15	19 18	2 1	8 59	1 39	23 6	0 19	13 58	2 17	22 6	0 3	22 17
S 7	22 30	16 54	4 57	20 11	3 15	19 33	1 59	9 10	1 39	23 6	0 19	13 59	2 17	22 6	0 3	22 17
S 8	22 23	12 45	5 10	20 13	3 14	19 46	1 57	9 21	1 39	23 6	0 19	14 0	2 18	22 7	0 3	22 17
M 9	22 15	8 8	5 10	20 16	3 10	19 59	1 55	9 32	1 40	23 7	0 19	14 1	2 18	22 7	0 3	22 17
T 10	22 6	3 12	4 57	20 21	3 5	20 12	1 53	9 43	1 40	23 7	0 19	14 2	2 18	22 8	0 3	22 17
W11	21 58	1n54	4 30	20 27	2 59	20 24	1 51	9 53	1 40	23 7	0 19	14 3	2 18	22 8	0 3	22 17
T 12	21 48	7 2	3 51	20 35	2 52	20 35	1 49	10 4	1 40	23 7	0 19	14 4	2 18	22 9	0 3	22 17
F 13	21 39	12 1	3 0	20 42	2 44	20 46	1 46	10 15	1 40	23 8	0 18	14 5	2 19	22 9	0 3	22 17
S 14	21 29	16 37	1 59	20 51	2 36	20 57	1 44	10 25	1 40	23 8	0 18	14 6	2 19	22 9	0 3	22 17
S 15	21 18	20 34	0 49	20 59	2 27	21 7	1 41	10 36	1 40	23 8	0 18	14 7	2 19	22 10	0 3	22 17
M16	21 8	23 30	0n26	21 8	2 17	21 16	1 39	10 46	1 40	23 8	0 18	14 8	2 19	22 10	0 3	22 17
T 17	20 56	25 3	1 41	21 17	2 8	21 25	1 36	10 56	1 40	23 8	0 18	14 9	2 19	22 11	0 3	22 17
W18	20 45	24 56	2 52	21 26	1 58	21 33	1 34	11 6	1 40	23 8	0 18	14 10	2 20	22 11	0 3	22 17
T 19	20 33	23 3	3 52	21 34	1 48	21 40	1 31	11 16	1 41	23 8	0 18	14 11	2 20	22 11	0 3	22 17
F 20	20 20	19 32	4 37	21 43	1 38	21 47	1 28	11 26	1 41	23 9	0 18	14 12	2 20	22 12	0 3	22 17
S 21	20 8	14 44	5 2	21 50	1 28	21 53	1 26	11 36	1 41	23 9	0 18	14 13	2 20	22 12	0 3	22 17
S 22	19 54	9 5	5 7	21 57	1 19	21 59	1 23	11 46	1 41	23 9	0 18	14 13	2 20	22 12	0 3	22 17
M23	19 41	3 3	4 52	22 4	1 9	22 4	1 20	11 55	1 41	23 9	0 18	14 14	2 21	22 13	0 3	22 17
T 24	19 27	3s 0	4 18	22 9	0 59	22 8	1 17	12 5	1 41	23 9	0 18	14 15	2 21	22 13	0 3	22 17
W25	19 13	8 46	3 31	22 14	0 50	22 12	1 14	12 14	1 41	23 9	0 18	14 16	2 21	22 14	0 3	22 17
T 26	18 58	13 57	2 32	22 18	0 40	22 15	1 11	12 24	1 41	23 9	0 18	14 16	2 21	22 14	0 3	22 17
F 27	18 43	18 21	1 28	22 21	0 31	22 18	1 8	12 33	1 41	23 8	0 18	14 17	2 21	22 14	0 3	22 17
S 28	18 28	21 47	0 20	22 23	0 22	22 19	1 5	12 42	1 41	23 8	0 17	14 18	2 22	22 15	0 3	22 17
S 29	18 12	24 5	0s48	22 24	0 13	22 21	1 2	12 51	1 41	23 8	0 17	14 18	2 22	22 15	0 3	22 17
M30	17 56	25 10	1 52	22 24	0 4	22 21	0 59	13 0	1 41	23 8	0 17	14 19	2 22	22 15	0 3	22 17
T 31	17s40	24s59	2s50	22s23	0s 4	22s21	0n56	13s 9	1n41	23s 8	0n17	14s19	2n22	22s16	0n 3	22s17

Julian Day Number = 2445700.5, Delta T = 53.79 sec
 Ecliptic obliquity = 23°26'31", Nutation = - 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°31'00, Lahiri = 23°38'01

ASTRODIENST EPHEMERIS for the year 1984

geocentric

FEBRUARY 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 41 35	11°18'26"	0°25'	18°34'	7°33'	10°14'	2°34'	15°54'	12°38'	0°25'	2°8'	14°R29	12°53'	5°41'	27°R46	W 1
T 2	8 45 32	12°19'22"	12°26'	20° 2'	8°51'	10°42'	2°46'	15°57'	12°40'	0°27'	2° 8'	14°II19	12°50'	5°47'	27°R46	T 2
F 3	8 49 28	13°20'16"	24°22'	21°23'	10° 4'	11° 9'	2°58'	15°59'	12°43'	0°29'	2° 8'	14° 8'	12°47'	5°54'	27°46'	F 3
S 4	8 53 25	14°21'10"	6°15'	22°46'	11°18'	11°36'	3°10'	16° 1'	12°45'	0°30'	2°R 8'	13°55'	12°44'	6° 1'	27°46'	S 4
S 5	8 57 21	15°22'02"	18° 7'	24° 9'	12°32'	12° 3'	3°22'	16° 3'	12°47'	0°32'	2° 8'	13°43'	12°41'	6° 7'	27°46'	S 5
M 6	9 1 18	16°22'53"	29°58'	25°34'	13°45'	12°30'	3°34'	16° 5'	12°49'	0°34'	2° 8'	13°33'	12°37'	6°14'	27°D46	M 6
T 7	9 5 14	17°23'42"	11°53'	26°59'	14°59'	12°56'	3°46'	16° 7'	12°51'	0°36'	2° 8'	13°24'	12°34'	6°21'	27°46'	T 7
W 8	9 9 11	18°24'30"	23°53'	28°26'	16°13'	13°22'	3°57'	16° 9'	12°53'	0°37'	2° 8'	13°19'	12°31'	6°28'	27°46'	W 8
T 9	9 13 7	19°25'17"	6°8'	29°53'	17°27'	13°48'	4° 9'	16°10'	12°55'	0°39'	2° 8'	13°16'	12°28'	6°34'	27°46'	T 9
F 10	9 17 4	20°26'02"	18°30'	1°22'	18°40'	14°14'	4°20'	16°12'	12°57'	0°41'	2° 8'	13°D15	12°25'	6°41'	27°46'	F 10
S 11	9 21 1	21°26'45"	1°16'	2°51'	19°54'	14°40'	4°32'	16°13'	12°59'	0°42'	2° 7'	13°15'	12°21'	6°48'	27°47'	S 11
S 12	9 24 57	22°27'27"	14°26'	4°21'	21° 8'	15° 5'	4°43'	16°15'	13° 1'	0°44'	2° 7'	13°R15	12°18'	6°54'	27°47'	S 12
M13	9 28 54	23°28'08"	28° 4'	5°52'	22°22'	15°30'	4°54'	16°16'	13° 3'	0°45'	2° 7'	13°14'	12°15'	7° 1'	27°48'	M13
T 14	9 32 50	24°28'46"	12°12'	7°24'	23°36'	15°55'	5° 5'	16°17'	13° 4'	0°47'	2° 6'	13°11'	12°12'	7° 8'	27°48'	T 14
W15	9 36 47	25°29'23"	26°48'	8°57'	24°49'	16°19'	5°16'	16°18'	13° 6'	0°48'	2° 6'	13° 6'	12° 9'	7°15'	27°49'	W15
T 16	9 40 43	26°29'59"	11°49'	10°30'	26° 3'	16°44'	5°27'	16°19'	13° 8'	0°50'	2° 6'	12°57'	12° 6'	7°21'	27°49'	T 16
F 17	9 44 40	27°30'33"	27° 6'	12° 5'	27°17'	17° 8'	5°38'	16°20'	13° 9'	0°51'	2° 5'	12°47'	12° 2'	7°28'	27°50'	F 17
S 18	9 48 36	28°31'05"	12°28'	13°40'	28°31'	17°31'	5°49'	16°21'	13°11'	0°53'	2° 5'	12°36'	11°59'	7°35'	27°51'	S 18
S 19	9 52 33	29°31'36"	27°42'	15°17'	29°45'	17°55'	6° 0'	16°21'	13°13'	0°54'	2° 4'	12°25'	11°56'	7°42'	27°52'	S 19
M20	9 56 30	0°32'05"	12°49'	16°54'	0°55'	18°18'	6°10'	16°22'	13°14'	0°56'	2° 4'	12°17'	11°53'	7°48'	27°53'	M20
T 21	10 0 26	1°32'33"	27°11'	18°32'	2°13'	18°41'	6°21'	16°22'	13°15'	0°57'	2° 3'	12°10'	11°50'	7°55'	27°54'	T 21
W22	10 4 23	2°33'00"	11°15'	20°11'	3°27'	19° 4'	6°31'	16°23'	13°17'	0°58'	2° 3'	12° 7'	11°47'	8° 2'	27°55'	W22
T 23	10 8 19	3°33'25"	24°49'	21°51'	4°41'	19°26'	6°41'	16°23'	13°18'	1° 0'	2° 2'	12° 5'	11°43'	8° 8'	27°56'	T 23
F 24	10 12 16	4°33'49"	7°58'	23°32'	5°55'	19°48'	6°52'	16°23'	13°19'	1° 1'	2° 1'	12° 5'	11°40'	8°15'	27°57'	F 24
S 25	10 16 12	5°34'12"	20°43'	25°14'	7° 9'	20° 9'	7° 2'	16°R23	13°21'	1° 2'	2° 1'	12° 5'	11°37'	8°22'	27°59'	S 25
S 26	10 20 9	6°34'33"	3°11'	26°57'	8°23'	20°31'	7°12'	16°23'	13°22'	1° 3'	2° 0'	12° 4'	11°34'	8°29'	28° 0'	S 26
M27	10 24 5	7°34'53"	15°25'	28°41'	9°37'	20°52'	7°21'	16°23'	13°23'	1° 4'	1°59'	12° 0'	11°31'	8°35'	28° 1'	M27
T 28	10 28 2	8°35'12"	27°29'	0°26'	10°51'	21°12'	7°31'	16°22'	13°24'	1° 6'	1°58'	11°53'	11°27'	8°42'	28° 3'	T 28
W29	10 31 59	9°35'28"	9°27'	2°12'	12°28'	21°32'	7°41'	16°22'	13°25'	1° 7'	1°57'	11°44'	11°24'	8°49'	28° 4'	W29

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	17s23	23s38	3s39	22s21	0s13	22s20	0n53	13s17	1n41	23s 8	0n17	14s20	2n22	22s16	0n 3	22s17	1n10	3n46	16n59	22n32	22n21	14s10	15n59	3s47	
T 2	17 6	21 12	4 18	22 17	0 21	22 19	0 50	13 26	1 41	23 8	0 17	14 20	2 23	22 16	0 3	22 16	1 10	3 46	17 0	22 31	22 20	14 8	15 59	3 47	
F 3	16 49	17 53	4 45	22 13	0 29	22 16	0 47	13 34	1 41	23 7	0 17	14 21	2 23	22 16	0 3	22 16	1 10	3 47	17 0	22 30	22 20	14 6	15 59	3 47	
S 4	16 32	13 52	5 0	22 7	0 36	22 14	0 44	13 43	1 41	23 7	0 17	14 21	2 23	22 17	0 3	22 16	1 10	3 47	17 1	22 28	22 20	14 3	15 59	3 46	
S 5	16 14	9 20	5 2	22 0	0 43	22 10	0 41	13 51	1 41	23 7	0 17	14 21	2 23	22 17	0 3	22 16	1 10	3 48	17 1	22 27	22 19	14 1	15 59	3 46	
M 6	15 56	4 27	4 51	21 52	0 51	22 6	0 38	13 59	1 41	23 7	0 17	14 22	2 24	22 17	0 3	22 16	1 10	3 48	17 2	22 26	22 19	13 58	15 59	3 46	
T 7	15 37	0n36	4 27	21 42	0 57	22 1	0 35	14 7	1 41	23 7	0 17	14 22	2 24	22 18	0 3	22 16	1 10	3 49	17 2	22 25	22 18	13 56	16 0	3 46	
W 8	15 19	5 41	3 51	21 31	1 4	21 56	0 32	14 15	1 41	23 6	0 17	14 22	2 24	22 18	0 3	22 16	1 10	3 49	17 3	22 24	22 18	13 53	16 0	3 46	
T 9	15 0	10 39	3 4	21 19	1 10	21 50	0 29	14 23	1 41	23 6	0 17	14 23	2 24	22 18	0 3	22 16	1 10	3 50	17 3	22 24	22 18	13 51	16 0	3 46	
F 10	14 41	15 17	2 8	21 6	1 16	21 43	0 26	14 31	1 41	23 6	0 17	14 23	2 24	22 18	0 3	22 16	1 10	3 51	17 4	22 23	22 17	13 49	16 0	3 45	
S 11	14 21	19 23	1 3	20 51	1 22	21 35	0 23	14 38	1 41	23 5	0 17	14 23	2 25	22 19	0 3	22 16	1 10	3 51	17 5	22 24	22 17	13 46	16 0	3 45	
S 12	14 2	22 38	0n 6	20 35	1 27	21 27	0 20	14 46	1 41	23 5	0 16	14 23	2 25	22 19	0 3	22 16	1 10	3 52	17 5	22 24	22 16	13 44	16 1	3 45	
M13	13 42	24 43	1 18	20 18	1 32	21 19	0 17	14 53	1 40	23 5	0 16	14 23	2 25	22 19	0 3	22 16	1 10	3 52	17 6	22 23	22 16	13 41	16 1	3 45	
T 14	13 22	25 19	2 27	19 59	1 37	21 9	0 14	15 0	1 40	23 4	0 16	14 23	2 25	22 19	0 3	22 16	1 10	3 53	17 6	22 23	22 15	13 39	16 1	3 45	
W15	13 2	24 13	3 29	19 39	1 42	20 59	0 11	15 7	1 40	23 4	0 16	14 23	2 26	22 19	0 3	22 16	1 10	3 54	17 7	22 22	22 15	13 36	16 1	3 45	
T 16	12 41	21 22	4 18	19 18	1 46	20 49	0 8	15 14	1 40	23 4	0 16	14 23	2 26	22 20	0 3	22 16	1 10	3 54	17 7	22 21	22 15	13 34	16 2	3 44	
F 17	12 20	17 1	4 50	18 56	1 50	20 38	0 5	15 21	1 40	23 3	0 16	14 24	2 26	22 20	0 3	22 16	1 10	3 55	17 8	22 20	22 14	13 31	16 2	3 44	
S 18	11 59	11 31	5 1	18 32	1 53	20 26	0 2	15 28	1 40	23 3	0 16	14 24	2 26	22 20	0 3	22 16	1 10	3 55	17 8	22 19	22 14	13 29	16 2	3 44	
S 19	11 38	5 21	4 50	18 7	1 56	20 14	0s 1	15 35	1 40	23 2	0 16	14 23	2 27	22 20	0 3	22 16	1 10	3 56	17 9	22 17	22 13	13 27	16 3	3 44	
M20	11 17	1s 0	4 20	17 40	1 59	20 1	0 4	15 41	1 39	23 2	0 16	14 23	2 27	22 21	0 3	22 16	1 10	3 57	17 9	22 16	22 13	13 24	16 3	3 44	
T 21	10 56	7 9	3 34	17 12	2 2	19 47	0 7	15 48	1 39	23 2	0 16	14 23	2 27	22 21	0 3	22 16	1 10	3 57	17 10	22 15	22 13	13 22	16 4	3 44	
W22	10 34	12 45	2 35	16 43	2 4	19 33	0 10	15 54	1 39	23 1	0 16	14 23	2 27	22 21	0 3	22 16	1 10	3 58	17 10	22 15	22 12	13 19	16 4	3 44	
T 23	10 12	17 31	1 30	16 12	2 5	19 18	0 13	16 0	1 39	23 1	0 16	14 23	2 27	22 21	0 3	22 16	1 10	3 59	17 11	22 15	22 12	13 17	16 4	3 43	
F 24	9 50	21 17	0 22	15 40	2 7	19 3	0 16	16 6	1 39	23 0	0 16	14 23	2 28	22 21	0 3	22 16	1 10	3 59	17 11	22 15	22 11	13 14	16 5	3 43	
S 25	9 28	23 52	0s46	15 7	2 7	18 47	0 18	16 12	1 38	23 0	0 16	14 23	2 28	22 21	0 3	22 16	1 11	4 0	17 12	22 15	22 11	13 12	16 5	3 43	
S 26	9 6	25 13	1 49	14 32	2 8	18 31	0 21	16 18	1 38	22 59	0 16	14 22	2 28	22 22	0 3	22 16	1 11	4 1	17 12	22 14	22 10	13 9	16 6	3 43	
M27	8 44	25 18	2 46	13 56	2 8	18 14	0 24	16 24	1 38	22 59	0 16	14 22	2 28	22 22	0 3	22 16	1 11	4 2	17 13	22 14	22 10	13 7	16 6	3 43	
T 28	8 21	24 11	3 35	13 19	2 8	17 56	0 27	16 30	1 38	22 58	0 15	14 22	2 29	22 22	0 3	22 16	1 11	4 2	17 13	22 13	22 10	13 4	16 7	3 43	
W29	7s58	21s58	4s14	12s40	2s 7	17s39	0s29	16s35	1n37	22s58	0n15	14s21	2n29	22s22	0n 3	22s16	1n11	4n 3	17n14	22n12	22n 9	13s 2	16n 7	3s42	

ASTRODIENST EPHEMERIS for the year 1984

geocentric

MARCH 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 35 55	10 ^h 35'43"	21 ^h 21'	3 ^h 59'	13 ^h 19'	21 ^h 52'	7 ^h 50'	16 ^h 22'	13 ^h 26'	1 ^h 8'	1 ^h 57'	11 ^h 32'	11 ^h 21'	8 ^h 56'	28 ^h 6'	T 1
F 2	10 39 52	11 ^h 35'57"	3 ^h 13'	5 ^h 47'	14 ^h 33'	22 ^h 12'	8 ^h 0'	16 ^h 21'	13 ^h 27'	1 ^h 9'	1 ^h 56'	11 ^h 17'	11 ^h 18'	9 ^h 2'	28 ^h 8'	F 2
S 3	10 43 48	12 ^h 36'08"	15 ^h 5'	7 ^h 36'	15 ^h 47'	22 ^h 31'	8 ^h 9'	16 ^h 20'	13 ^h 28'	1 ^h 10'	1 ^h 55'	11 ^h 2'	11 ^h 15'	9 ^h 9'	28 ^h 9'	S 3
S 4	10 47 45	13 ^h 36'18"	26 ^h 58'	9 ^h 26'	17 ^h 1'	22 ^h 49'	8 ^h 18'	16 ^h 19'	13 ^h 28'	1 ^h 11'	1 ^h 54'	10 ^h 47'	11 ^h 12'	9 ^h 16'	28 ^h 11'	S 4
M 5	10 51 41	14 ^h 36'26"	8 ^h 53'	11 ^h 17'	18 ^h 15'	23 ^h 8'	8 ^h 27'	16 ^h 18'	13 ^h 29'	1 ^h 12'	1 ^h 53'	10 ^h 34'	11 ^h 8'	9 ^h 22'	28 ^h 13'	M 5
T 6	10 55 38	15 ^h 36'32"	20 ^h 52'	13 ^h 9'	19 ^h 29'	23 ^h 26'	8 ^h 36'	16 ^h 17'	13 ^h 30'	1 ^h 13'	1 ^h 52'	10 ^h 24'	11 ^h 5'	9 ^h 29'	28 ^h 15'	T 6
W 7	10 59 34	16 ^h 36'36"	2 ^h 58'	15 ^h 2'	20 ^h 43'	23 ^h 43'	8 ^h 45'	16 ^h 16'	13 ^h 30'	1 ^h 14'	1 ^h 51'	10 ^h 16'	11 ^h 2'	9 ^h 36'	28 ^h 17'	W 7
T 8	11 3 31	17 ^h 36'37"	15 ^h 12'	16 ^h 56'	21 ^h 57'	24 ^h 0'	8 ^h 54'	16 ^h 15'	13 ^h 31'	1 ^h 14'	1 ^h 50'	10 ^h 11'	10 ^h 59'	9 ^h 43'	28 ^h 19'	T 8
F 9	11 7 28	18 ^h 36'37"	27 ^h 39'	18 ^h 52'	23 ^h 11'	24 ^h 17'	9 ^h 3'	16 ^h 14'	13 ^h 32'	1 ^h 15'	1 ^h 49'	10 ^h 9'	10 ^h 56'	9 ^h 49'	28 ^h 21'	F 9
S 10	11 11 24	19 ^h 36'35"	10 ^h 22'	20 ^h 48'	24 ^h 25'	24 ^h 33'	9 ^h 11'	16 ^h 12'	13 ^h 32'	1 ^h 16'	1 ^h 48'	10 ^h D 9'	10 ^h 52'	9 ^h 56'	28 ^h 23'	S 10
S 11	11 15 21	20 ^h 36'30"	23 ^h 26'	22 ^h 44'	25 ^h 39'	24 ^h 48'	9 ^h 19'	16 ^h 11'	13 ^h 32'	1 ^h 17'	1 ^h 46'	10 ^h R 9'	10 ^h 49'	10 ^h 3'	28 ^h 25'	S 11
M 12	11 19 17	21 ^h 36'23"	6 ^h 54'	24 ^h 42'	26 ^h 53'	25 ^h 4'	9 ^h 27'	16 ^h 9'	13 ^h 33'	1 ^h 18'	1 ^h 45'	10 ^h 8'	10 ^h 46'	10 ^h 9'	28 ^h 28'	M 12
T 13	11 23 14	22 ^h 36'14"	20 ^h 51'	26 ^h 40'	28 ^h 7'	25 ^h 18'	9 ^h 36'	16 ^h 8'	13 ^h 33'	1 ^h 18'	1 ^h 44'	10 ^h 5'	10 ^h 43'	10 ^h 16'	28 ^h 30'	T 13
W 14	11 27 10	23 ^h 36'03"	5 ^h 15'	28 ^h 39'	29 ^h 21'	25 ^h 32'	9 ^h 43'	16 ^h 6'	13 ^h 33'	1 ^h 19'	1 ^h 43'	10 ^h 0'	10 ^h 40'	10 ^h 23'	28 ^h 32'	W 14
T 15	11 31 7	24 ^h 35'50"	20 ^h 4'	0 ^h 37'	0 ^h 35'	25 ^h 46'	9 ^h 51'	16 ^h 4'	13 ^h 34'	1 ^h 20'	1 ^h 42'	9 ^h 53'	10 ^h 37'	10 ^h 30'	28 ^h 35'	T 15
F 16	11 35 3	25 ^h 35'34"	5 ^h 13'	2 ^h 36'	1 ^h 49'	25 ^h 59'	9 ^h 59'	16 ^h 2'	13 ^h 34'	1 ^h 20'	1 ^h 40'	9 ^h 43'	10 ^h 33'	10 ^h 36'	28 ^h 37'	F 16
S 17	11 39 0	26 ^h 35'16"	20 ^h 31'	4 ^h 35'	3 ^h 3'	26 ^h 12'	10 ^h 6'	16 ^h 0'	13 ^h 34'	1 ^h 21'	1 ^h 39'	9 ^h 32'	10 ^h 30'	10 ^h 43'	28 ^h 40'	S 17
S 18	11 42 57	27 ^h 34'56"	5 ^h 48'	6 ^h 34'	4 ^h 17'	26 ^h 24'	10 ^h 14'	15 ^h 58'	13 ^h R 34'	1 ^h 21'	1 ^h 38'	9 ^h 22'	10 ^h 27'	10 ^h 50'	28 ^h 42'	S 18
M 19	11 46 53	28 ^h 34'34"	20 ^h 53'	8 ^h 32'	5 ^h 31'	26 ^h 36'	10 ^h 21'	15 ^h 55'	13 ^h 34'	1 ^h 22'	1 ^h 36'	9 ^h 13'	10 ^h 24'	10 ^h 57'	28 ^h 45'	M 19
T 20	11 50 50	29 ^h 34'10"	5 ^h 13'	10 ^h 29'	6 ^h 45'	26 ^h 47'	10 ^h 28'	15 ^h 53'	13 ^h 34'	1 ^h 22'	1 ^h 35'	9 ^h 6'	10 ^h 21'	11 ^h 3'	28 ^h 48'	T 20
W 21	11 54 46	0 ^h 33'44"	19 ^h 49'	12 ^h 24'	7 ^h 59'	26 ^h 58'	10 ^h 35'	15 ^h 51'	13 ^h 34'	1 ^h 23'	1 ^h 34'	9 ^h 3'	10 ^h 18'	11 ^h 10'	28 ^h 51'	W 21
T 22	11 58 43	1 ^h 33'17"	3 ^h 34'	14 ^h 18'	9 ^h 13'	27 ^h 8'	10 ^h 42'	15 ^h 48'	13 ^h 33'	1 ^h 23'	1 ^h 32'	9 ^h D 1'	10 ^h 14'	11 ^h 17'	28 ^h 53'	T 22
F 23	12 2 39	2 ^h 32'48"	16 ^h 50'	16 ^h 10'	10 ^h 27'	27 ^h 17'	10 ^h 49'	15 ^h 46'	13 ^h 33'	1 ^h 24'	1 ^h 31'	9 ^h 1'	10 ^h 11'	11 ^h 23'	28 ^h 56'	F 23
S 24	12 6 36	3 ^h 32'17"	29 ^h 41'	17 ^h 59'	11 ^h 42'	27 ^h 26'	10 ^h 55'	15 ^h 43'	13 ^h 33'	1 ^h 24'	1 ^h 30'	9 ^h R 2'	10 ^h 8'	11 ^h 30'	28 ^h 59'	S 24
S 25	12 10 32	4 ^h 31'45"	12 ^h 31'	19 ^h 46'	12 ^h 56'	27 ^h 34'	11 ^h 1'	15 ^h 40'	13 ^h 33'	1 ^h 24'	1 ^h 28'	9 ^h 2'	10 ^h 5'	11 ^h 37'	29 ^h 2'	S 25
M 26	12 14 29	5 ^h 31'11"	24 ^h 24'	21 ^h 28'	14 ^h 10'	27 ^h 42'	11 ^h 8'	15 ^h 37'	13 ^h 32'	1 ^h 24'	1 ^h 27'	9 ^h 0'	10 ^h 2'	11 ^h 44'	29 ^h 5'	M 26
T 27	12 18 25	6 ^h 30'35"	6 ^h 25'	23 ^h 7'	15 ^h 24'	27 ^h 49'	11 ^h 14'	15 ^h 34'	13 ^h 32'	1 ^h 25'	1 ^h 25'	8 ^h 55'	9 ^h 58'	11 ^h 50'	29 ^h 8'	T 27
W 28	12 22 22	7 ^h 29'57"	18 ^h 20'	24 ^h 42'	16 ^h 38'	27 ^h 55'	11 ^h 20'	15 ^h 31'	13 ^h 31'	1 ^h 25'	1 ^h 24'	8 ^h 49'	9 ^h 55'	11 ^h 57'	29 ^h 11'	W 28
T 29	12 26 19	8 ^h 29'17"	0 ^h 11'	26 ^h 12'	17 ^h 52'	28 ^h 1'	11 ^h 25'	15 ^h 28'	13 ^h 31'	1 ^h 25'	1 ^h 22'	8 ^h 40'	9 ^h 52'	12 ^h 4'	29 ^h 14'	T 29
F 30	12 30 15	9 ^h 28'35"	12 ^h 2'	27 ^h 37'	19 ^h 6'	28 ^h 6'	11 ^h 31'	15 ^h 25'	13 ^h 30'	1 ^h 25'	1 ^h 21'	8 ^h 29'	9 ^h 49'	12 ^h 11'	29 ^h 18'	F 30
S 31	12 34 12	10 ^h 27'51"	23 ^h 55'	28 ^h 57'	20 ^h 20'	28 ^h 10'	11 ^h 36'	15 ^h 22'	13 ^h 30'	1 ^h 25'	1 ^h 19'	8 ^h 17'	9 ^h 46'	12 ^h 17'	29 ^h 21'	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s36	18s49	4s41	12s 0	2s 5	17s20	0s32	16s40	1n37	22s57	0n15	14s21	2n29	22s22	0n 3	22s16	1n11	4n 4	17n14	22n10	22n 9	12s59	16n 8	3s42			
F 2	7 13	14 55	4 56	11 19	2 4	17 1	0 34	16 46	1 37	22 57	0 15	14 21	2 29	22 22	0 3	22 16	1 11	4 4	17 15	22 8	22 8	12 57	16 8	3 42			
S 3	6 50	10 27	4 58	10 36	2 1	16 42	0 37	16 51	1 36	22 56	0 15	14 20	2 29	22 22	0 3	22 16	1 11	4 5	17 15	22 6	22 8	12 54	16 9	3 42			
S 4	6 27	5 36	4 47	9 52	1 59	16 22	0 39	16 56	1 36	22 56	0 15	14 20	2 30	22 22	0 3	22 15	1 11	4 6	17 15	22 4	22 7	12 51	16 9	3 42			
M 5	6 4	0 31	4 24	9 7	1 55	16 2	0 42	17 1	1 36	22 55	0 15	14 19	2 30	22 22	0 3	22 15	1 11	4 6	17 16	22 2	22 7	12 49	16 10	3 42			
T 6	5 40	4n37	3 49	8 20	1 52	15 41	0 44	17 6	1 35	22 55	0 15	14 19	2 30	22 23	0 3	22 15	1 11	4 7	17 16	22 2	22 6	12 46	16 10	3 41			
W 7	5 17	9 38	3 3	7 33	1 47	15 19	0 47	17 10	1 35	22 54	0 15	14 18	2 30	22 23	0 3	22 15	1 11	4 8	17 17	21 59	22 6	12 44	16 11	3 41			
T 8	4 54	14 22	2 8	6 44	1 42	14 58	0 49	17 15	1 34	22 54	0 15	14 18	2 30	22 23	0 3	22 15	1 11	4 9	17 17	21 59	22 6	12 41	16 11	3 41			
F 9	4 30	18 34	1 6	5 54	1 37	14 36	0 51	17 20	1 34	22 53	0 15	14 17	2 31	22 23	0 3	22 15	1 11	4 9	17 18	21 58	22 5	12 39	16 12	3 41			
S 10	4 7	22 1	0n 1	5 3	1 31	14 13	0 53	17 24	1 33	22 53	0 15	14 17	2 31	22 23	0 3	22 15	1 11	4 10	17 18	21 58	22 5	12 36	16 13	3 41			
S 11	3 43	24 26	1 10	4 11	1 25	13 50	0 55	17 28	1 33	22 52	0 15	14 16	2 31	22 23	0 3	22 15	1 11	4 11	17 18	21 58	22 4	12 34	16 13	3 41			
M 12	3 20	25 32	2 16	3 18	1 17	13 27	0 57	17 32	1 32	22 52	0 15	14 15	2 31	22 23	0 3	22 15	1 11	4 12	17 19	21 58	22 4	12 31	16 14	3 41			
T 13	2 56	25 5	3 17	2 24	1 10	13 4	0 59	17 36	1 32	22 51	0 15	14 15	2 31	22 23	0 3	22 15	1 11	4 12	17 19	21 58	22 3	12 29	16 15	3 40			
W 14	2 32	22 58	4 8	1 29	1 2	12 40	1 1	17 40	1 31	22 51	0 15	14 14	2 32	22 23	0 3	22 15	1 11	4 13	17 19	21 57	22 3	12 26	16 15	3 40			
T 15	2 9	19 16	4 44	0 34	0 53	12 15	1 3	17 44	1 31	22 50	0 14	14 13	2 32	22 23	0 3	22 15	1 11	4 14	17 20	21 56	22 2	12 23	16 16	3 40			
F 16	1 45	14 15	5 0	0n22	0 44	11 51	1 5	17 48	1 30	22 50	0 14	14 13	2 32	22 23	0 3	22 15	1 11	4 15	17 20	21 55	22 2	12 21	16 17	3 40			
S 17	1 21	8 17	4 56	1 18	0 34	11 26	1 7	17 51	1 29	22 49	0 14	14 12	2 32	22 23	0 3	22 15	1 11	4 15	17 20	21 53	22 2	12 18	16 17	3 40			
S 18	0 58	1 50	4 30	2 15	0 23	11 0	1 9	17 55	1 29	22 49	0 14	14 11	2 32	22 23	0 3	22 15	1 11	4 16	17 21	21 51	22 1	12 16	16 18	3 40			
M 19	0 34	4s40	3 46	3 11	0 13	10 35	1 10	17 58	1 28	22 48	0 14	14 10	2 33	22 23	0 3	22 15	1 11	4 17	17 21	21 50	22 1	12 13	16 19	3 40			
T 20	0 10	10 45	2 47	4 8	0 2	10 9	1 12	18 2	1 27	22 48	0 14	14 9	2 33	22 23	0 3	22 15	1 11	4 17	17 21	21 49	22 0	12 11	16 19	3 40			
W 21	0n13	16 5	1 40	5 3	0n10	9 43	1 14	18 5	1 27	22 47	0 14	14 9	2 33	22 23	0 3	22 15	1 11	4 18	17 22	21 49	22 0	12 8	16 20	3 39			
T 22	0 37	20 24	0 29	5 59	0 22	9 16	1 15	18 8	1 26	22 47	0 14	14 8	2 33	22 23	0 3	22 15	1 11	4 19	17 22	21 48	21 59	12 5	16 21	3 39			
F 23	1 1	23 29	0s41	6 53	0 34	8 50	1 16	18 11	1 25	22 46	0 14	14 7	2 33	22 23	0 3	22 15	1 11	4 20	17 22	21 48	21 59	12 3	16 21	3 39			
S 24	1 24	25 14	1 48	7 46	0 46	8 23	1 18	18 13	1 24	22 46	0 14	14 6	2 33	22 23	0 3	22 15	1 11	4 20	17 23	21 48	21 58	12 0	16 22	3 39			
S 25	1 48	25 39	2 47	8 38	0 58	7 56	1 19	18 16	1 23	22 45	0 14	14 5	2 34	22 23	0 3	22 15	1 11	4 21	17 23	21 48	21 58	11 58	16 23	3 39			
M 26	2 12	24 48	3 37	9 28	1 10	7 28	1 20	18 19	1 22	22 45	0 14	14 4	2 34	22 23	0 3	22 15	1 11	4 22	17 23	21 48	21 57	11 55	16 24	3 39			
T 27	2 35	22 48	4 17	10 16	1 22	7 1	1 22	18 21	1 21	22 44	0 14	14 3	2 34	22 23	0 3	22 15	1 11	4 23	17 23	21 47	21 57	11 52	16 24	3 39			
W 28	2 59	19 50	4 45	11 2	1 34	6 33	1 23	18 24	1 20	22 44	0 14	14 2	2 34	22 23	0 3	22 15	1 12	4 23	17 24	21 46	21 56	11 50	16 25	3 39			
T 29	3 22	16 5	5 0	11 46	1 46	6 5	1 24	18 26	1 19	22 44	0 14	14 1	2 34	22 23	0 3	22 15	1 12	4 24	17 24	21 45	21 56	11 47	16 26	3 39			
F 30	3 45	11 42	5 3	12 27	1 57	5 37	1 25	18 28	1 18	22 43	0 13	14 0	2 34	22 23	0 3	22 15	1 12	4 25	17 24	21 43	21 56	11 45	16 27	3 38			
S 31	4n 9	6s53	4s52	13n 6	2n 8	5s 9	1s25	18s30	1n17	22s43	0n13	13s59	2n35	22s23	0n 3	22s14	1n12	4n25	17n24	21n41	21n55	11s42	16n27	33s38			

ASTRODIENST EPHEMERIS for the year 1984
geocentric

APRIL 1984

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 8	11°27'06	5°52	0811	21°34	28°13	11°42	15°R18	13°R29	1°25	1°R17	8°R 6	9°II43	12°K24	29°R24	S 1
M 2	12 42 5	12°26'18	17°54	1°19	22°48	28°16	11°47	15°M15	13°R28	1°25	1°M16	7°II56	9°39	12°31	29°27	M 2
T 3	12 46 1	13°25'28	08 2	2°21	24° 2	28°19	11°52	15°12	13°27	1°R25	1°14	7°48	9°36	12°37	29°31	T 3
W 4	12 49 58	14°24'36	12°18	3°16	25°16	28°20	11°56	15° 8	13°27	1°25	1°13	7°42	9°33	12°44	29°34	W 4
T 5	12 53 54	15°23'42	24°44	4° 6	26°30	28°21	12° 1	15° 5	13°26	1°25	1°11	7°39	9°30	12°51	29°38	T 5
F 6	12 57 51	16°22'46	7°II21	4°48	27°44	28°R21	12° 5	15° 1	13°25	1°25	1°10	7°D38	9°27	12°58	29°41	F 6
S 7	13 1 48	17°21'48	20°11	5°24	28°58	28°20	12°10	14°57	13°24	1°25	1° 8	7°39	9°24	13° 4	29°45	S 7
S 8	13 5 44	18°20'47	3°39	5°53	0°Y12	28°19	12°14	14°53	13°23	1°25	1° 6	7°40	9°20	13°11	29°48	S 8
M 9	13 9 41	19°19'44	16°46	6°15	1°26	28°16	12°18	14°50	13°22	1°25	1° 5	7°R41	9°17	13°18	29°52	M 9
T 10	13 13 37	20°18'39	0°II34	6°31	2°40	28°13	12°21	14°46	13°21	1°25	1° 3	7°40	9°14	13°24	29°56	T 10
W11	13 17 34	21°17'31	14°45	6°40	3°54	28°10	12°25	14°42	13°19	1°24	1° 1	7°38	9°11	13°31	29°59	W11
T 12	13 21 30	22°16'21	29°17	6°R42	5° 7	28° 5	12°28	14°38	13°18	1°24	1° 0	7°34	9° 8	13°38	0°II 3	T 12
F 13	13 25 27	23°15'09	14°II 5	6°38	6°21	28° 0	12°31	14°34	13°17	1°24	0°58	7°28	9° 4	13°45	0° 7	F 13
S 14	13 29 23	24°13'55	29° 4	6°27	7°35	27°54	12°34	14°30	13°16	1°23	0°56	7°22	9° 1	13°51	0°11	S 14
S 15	13 33 20	25°12'38	14°II 5	6°12	8°49	27°47	12°37	14°26	13°14	1°23	0°55	7°16	8°58	13°58	0°14	S 15
M16	13 37 17	26°11'19	28°58	5°50	10° 3	27°40	12°40	14°21	13°13	1°23	0°53	7°10	8°55	14° 5	0°18	M16
T 17	13 41 13	27° 9'59	13°II35	5°24	11°17	27°31	12°42	14°17	13°11	1°22	0°51	7° 6	8°52	14°12	0°22	T 17
W18	13 45 10	28° 8'36	27°50	4°54	12°31	27°22	12°45	14°13	13°10	1°22	0°50	7° 4	8°49	14°18	0°26	W18
T 19	13 49 6	29° 7'12	11°II38	4°20	13°45	27°13	12°47	14° 9	13° 9	1°21	0°48	7°D 4	8°45	14°25	0°30	T 19
F 20	13 53 3	08 5'46	25° 0	3°43	14°59	27° 2	12°49	14° 5	13° 7	1°21	0°46	7° 5	8°42	14°32	0°34	F 20
S 21	13 56 59	1° 4'19	7°357	3° 4	16°13	26°51	12°50	14° 0	13° 5	1°20	0°44	7° 7	8°39	14°38	0°38	S 21
S 22	14 0 56	2° 2'50	20°32	2°23	17°26	26°39	12°52	13°56	13° 4	1°19	0°43	7° 8	8°36	14°45	0°42	S 22
M23	14 4 52	3° 1'19	2°II49	1°41	18°40	26°26	12°53	13°51	13° 2	1°19	0°41	7°R 9	8°33	14°52	0°46	M23
T 24	14 8 49	3°59'46	14°53	1° 0	19°54	26°13	12°55	13°47	13° 0	1°18	0°39	7° 8	8°29	14°59	0°50	T 24
W25	14 12 46	4°58'12	26°49	0°19	21° 8	25°59	12°56	13°43	12°59	1°17	0°38	7° 6	8°26	15° 5	0°54	W25
T 26	14 16 42	5°56'37	8°II41	29°Y40	22°22	25°44	12°56	13°38	12°57	1°17	0°36	7° 2	8°23	15°12	0°59	T 26
F 27	14 20 39	6°54'59	20°33	29° 3	23°36	25°28	12°57	13°34	12°55	1°16	0°34	6°58	8°20	15°19	1° 3	F 27
S 28	14 24 35	7°53'20	2°Y28	28°29	24°50	25°12	12°57	13°29	12°53	1°15	0°33	6°53	8°17	15°25	1° 7	S 28
S 29	14 28 32	8°51'39	14°30	27°58	26° 3	24°55	12°58	13°25	12°51	1°14	0°31	6°48	8°14	15°32	1°11	S 29
M30	14 32 28	9°49'57	26°Y40	27°Y31	27°Y17	24°M38	12°R58	13°M20	12°II49	1°II14	0°M29	6°II43	8°II10	15°K39	1°II15	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	4n32	1s47	4s29	13n41	2n18	4s40	1s26	18s32	1n16	22s42	0n13	13s58	2n35	22s23	0n 3	22s14
M 2	4 55	3n25	3 54	14 14	2 27	4 12	1 27	18 34	1 15	22 42	0 13	13 57	2 35	22 23	0 3	22 14
T 3	5 18	8 34	3 7	14 44	2 36	3 43	1 28	18 35	1 14	22 42	0 13	13 55	2 35	22 22	0 3	22 14
W 4	5 41	13 27	2 12	15 10	2 44	3 14	1 28	18 37	1 12	22 41	0 13	13 54	2 35	22 22	0 3	22 14
T 5	6 4	17 50	1 9	15 34	2 51	2 45	1 29	18 38	1 11	22 41	0 13	13 53	2 35	22 22	0 3	22 14
F 6	6 26	21 31	0 2	15 54	2 57	2 16	1 29	18 40	1 10	22 41	0 13	13 52	2 35	22 22	0 3	22 14
S 7	6 49	24 12	1n 7	16 10	3 1	1 47	1 30	18 41	1 8	22 40	0 13	13 51	2 35	22 22	0 3	22 14
S 8	7 12	25 38	2 14	16 23	3 5	1 18	1 30	18 42	1 7	22 40	0 13	13 50	2 36	22 22	0 3	22 14
M 9	7 34	25 37	3 15	16 33	3 7	0 49	1 30	18 43	1 5	22 40	0 13	13 48	2 36	22 22	0 3	22 14
T 10	7 56	24 2	4 6	16 39	3 8	0 20	1 31	18 44	1 4	22 40	0 13	13 47	2 36	22 22	0 3	22 14
W11	8 18	20 56	4 44	16 42	3 8	0n 9	1 31	18 44	1 2	22 39	0 13	13 46	2 36	22 22	0 3	22 14
T 12	8 40	16 29	5 5	16 41	3 6	0 39	1 31	18 45	1 1	22 39	0 12	13 45	2 36	22 21	0 3	22 14
F 13	9 2	10 58	5 6	16 36	3 3	1 8	1 31	18 46	0 59	22 39	0 12	13 43	2 36	22 21	0 3	22 14
S 14	9 24	4 45	4 47	16 28	2 58	1 37	1 31	18 46	0 57	22 39	0 12	13 42	2 36	22 21	0 3	22 14
S 15	9 45	1s45	4 7	16 17	2 52	2 6	1 31	18 46	0 55	22 38	0 12	13 41	2 36	22 21	0 3	22 14
M16	10 7	8 7	3 12	16 3	2 44	2 36	1 31	18 46	0 54	22 38	0 12	13 40	2 36	22 21	0 3	22 14
T 17	10 28	13 57	2 4	15 46	2 35	3 5	1 30	18 46	0 52	22 38	0 12	13 38	2 36	22 21	0 3	22 14
W18	10 49	18 52	0 50	15 26	2 25	3 34	1 30	18 46	0 50	22 38	0 12	13 37	2 36	22 20	0 3	22 14
T 19	11 10	22 36	0s25	15 3	2 13	4 3	1 30	18 46	0 48	22 38	0 12	13 36	2 36	22 20	0 2	22 14
F 20	11 30	24 57	1 36	14 38	2 0	4 32	1 29	18 45	0 46	22 38	0 12	13 34	2 36	22 20	0 2	22 14
S 21	11 51	25 52	2 40	14 11	1 46	5 1	1 29	18 45	0 44	22 38	0 12	13 33	2 36	22 20	0 2	22 14
S 22	12 11	25 24	3 35	13 43	1 31	5 30	1 28	18 44	0 42	22 38	0 12	13 32	2 37	22 20	0 2	22 14
M23	12 31	23 43	4 18	13 14	1 15	5 58	1 27	18 43	0 39	22 38	0 12	13 31	2 37	22 20	0 2	22 14
T 24	12 51	20 58	4 49	12 44	0 59	6 27	1 27	18 42	0 37	22 37	0 12	13 29	2 37	22 19	0 2	22 14
W25	13 11	17 23	5 7	12 14	0 42	6 55	1 26	18 41	0 35	22 37	0 11	13 28	2 37	22 19	0 2	22 14
T 26	13 30	13 8	5 12	11 45	0 25	7 23	1 25	18 40	0 33	22 37	0 11	13 27	2 37	22 19	0 2	22 14
F 27	13 49	8 23	5 3	11 15	0 8	7 52	1 24	18 39	0 30	22 38	0 11	13 25	2 37	22 19	0 2	22 14
S 28	14 8	3 19	4 42	10 47	0s10	8 19	1 23	18 37	0 28	22 38	0 11	13 24	2 37	22 18	0 2	22 14
S 29	14 27	1n55	4 7	10 21	0 26	8 47	1 22	18 35	0 25	22 38	0 11	13 23	2 37	22 18	0 2	22 14
M30	14n46	7n 9	3s22	9n56	0s43	9n15	1s21	18s34	0n23	22s38	0n11	13s21	2n37	22s18	0n 2	22s14

Julian Day Number = 2445791.5, Delta T = 53.94 sec
Ecliptic obliquity = 23°26'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°31'13, Lahiri = 23°38'13

ASTRODIENST EPHEMERIS for the year 1984

geocentric

MAY 1984

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 36 25	10♈48'13	9♈ 1	27°R 8	28°Y31	24°R20	12°R58	13°R16	12°R47	1°R13	0°R28	6°R40	8♈ 7	15°K46	1°II20	T 1
W 2	14 40 21	11°46'27	21°32	26°Y49	29°45	24°M 2	12°S57	13°M11	12°A45	1°S12	0°M26	6°II38	8° 4	15°52	1°24	W 2
T 3	14 44 18	12°44'40	4°II15	26°34	0°S59	23°43	12°57	13° 6	12°43	1°11	0°24	6°D37	8° 1	15°59	1°28	T 3
F 4	14 48 15	13°42'50	17°10	26°24	2°13	23°24	12°56	13° 2	12°41	1°10	0°23	6°37	7°58	16° 6	1°32	F 4
S 5	14 52 11	14°40'59	0°S19	26°19	3°26	23° 4	12°55	12°57	12°39	1° 9	0°21	6°38	7°55	16°13	1°37	S 5
S 6	14 56 8	15°39'06	13°41	26°D19	4°40	22°44	12°54	12°53	12°37	1° 8	0°19	6°40	7°51	16°19	1°41	S 6
M 7	15 0 4	16°37'11	27°18	26°23	5°54	22°23	12°53	12°48	12°35	1° 7	0°18	6°41	7°48	16°26	1°45	M 7
T 8	15 4 1	17°35'15	11°S 9	26°32	7° 8	22° 2	12°51	12°44	12°33	1° 6	0°16	6°R42	7°45	16°33	1°50	T 8
W 9	15 7 57	18°33'16	25°14	26°45	8°22	21°41	12°50	12°39	12°31	1° 5	0°15	6°42	7°42	16°39	1°54	W 9
T 10	15 11 54	19°31'15	9°M32	27° 4	9°35	21°20	12°48	12°35	12°29	1° 4	0°13	6°41	7°39	16°46	1°59	T 10
F 11	15 15 50	20°29'12	24° 0	27°26	10°49	20°59	12°46	12°30	12°26	1° 3	0°11	6°40	7°35	16°53	2° 3	F 11
S 12	15 19 47	21°27'07	8°S34	27°53	12° 3	20°37	12°44	12°26	12°24	1° 2	0°10	6°38	7°32	17° 0	2° 7	S 12
S 13	15 23 44	22°25'01	23° 8	28°24	13°17	20°15	12°41	12°22	12°22	1° 0	0° 8	6°36	7°29	17° 6	2°12	S 13
M14	15 27 40	23°22'53	7°M36	28°59	14°30	19°54	12°39	12°17	12°20	0°59	0° 7	6°35	7°26	17°13	2°16	M14
T 15	15 31 37	24°20'44	21°53	29°38	15°44	19°32	12°36	12°13	12°17	0°58	0° 5	6°34	7°23	17°20	2°21	T 15
W16	15 35 33	25°18'33	5°A54	0°S21	16°58	19°10	12°33	12° 8	12°15	0°57	0° 4	6°D33	7°20	17°26	2°25	W16
T 17	15 39 30	26°16'20	19°35	1° 7	18°11	18°49	12°30	12° 4	12°13	0°56	0° 2	6°33	7°16	17°33	2°30	T 17
F 18	15 43 26	27°14'07	2°S54	1°57	19°25	18°27	12°27	12° 0	12°10	0°54	0° 1	6°34	7°13	17°40	2°34	F 18
S 19	15 47 23	28°11'52	15°51	2°50	20°39	18° 6	12°23	11°55	12° 8	0°53	29°S59	6°35	7°10	17°47	2°39	S 19
S 20	15 51 19	29° 9'36	28°29	3°47	21°53	17°45	12°20	11°51	12° 6	0°52	29°58	6°36	7° 7	17°53	2°43	S 20
M21	15 55 16	0°II 7'19	10°S49	4°47	23° 6	17°24	12°16	11°47	12° 3	0°50	29°57	6°36	7° 4	18° 0	2°48	M21
T 22	15 59 13	1° 5'00	22°56	5°50	24°20	17° 4	12°12	11°43	12° 1	0°49	29°55	6°37	7° 1	18° 7	2°52	T 22
W23	16 3 9	2° 2'41	4°K54	6°55	25°34	16°44	12° 8	11°39	11°58	0°48	29°54	6°R37	6°57	18°14	2°57	W23
T 24	16 7 6	3° 0'20	16°47	8° 4	26°48	16°24	12° 4	11°35	11°56	0°46	29°52	6°37	6°54	18°20	3° 1	T 24
F 25	16 11 2	3°57'59	28°41	9°16	28° 1	16° 5	11°59	11°31	11°54	0°45	29°51	6°36	6°51	18°27	3° 6	F 25
S 26	16 14 59	4°55'37	10°Y39	10°30	29°15	15°46	11°55	11°27	11°51	0°44	29°50	6°36	6°48	18°34	3°10	S 26
S 27	16 18 55	5°53'13	22°45	11°48	0°II29	15°28	11°50	11°23	11°49	0°42	29°49	6°36	6°45	18°40	3°15	S 27
M28	16 22 52	6°50'49	5°S 2	13° 8	1°42	15°10	11°45	11°19	11°46	0°41	29°47	6°D36	6°41	18°47	3°19	M28
T 29	16 26 48	7°48'23	17°33	14°30	2°56	14°53	11°40	11°15	11°44	0°39	29°46	6°36	6°38	18°54	3°24	T 29
W30	16 30 45	8°45'57	0°II20	15°55	4°10	14°36	11°35	11°11	11°41	0°38	29°45	6°R36	6°35	19° 1	3°28	W30
T 31	16 34 42	9°II43'30	13°II23	17°S23	5°II24	14°M20	11°S29	11°M 8	11°A39	0°S36	29°S44	6°II36	6°II32	19°K 7	3°II33	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n 4	12n12	2s26	9n32	0s59	9n42	1s20	18s32	0n20	22s38	0n11	13s20	2n37	22s18	0n 2	22s14
W 2	15 22	16 50	1 22	9 11	1 14	10 9	1 19	18 30	0 18	22 38	0 11	13 19	2 37	22 17	0 2	22 14
T 3	15 40	20 47	0 13	8 52	1 29	10 36	1 18	18 28	0 15	22 38	0 11	13 17	2 37	22 17	0 2	22 14
F 4	15 57	23 47	0n58	8 36	1 42	11 3	1 16	18 25	0 13	22 38	0 11	13 16	2 37	22 17	0 2	22 14
S 5	16 15	25 33	2 7	8 22	1 55	11 29	1 15	18 23	0 10	22 38	0 11	13 15	2 37	22 17	0 2	22 14
S 6	16 32	25 53	3 10	8 10	2 8	11 55	1 14	18 20	0 7	22 39	0 10	13 13	2 36	22 16	0 2	22 14
M 7	16 48	24 41	4 4	8 1	2 19	12 21	1 12	18 18	0 4	22 39	0 10	13 12	2 36	22 16	0 2	22 14
T 8	17 5	21 59	4 45	7 55	2 29	12 47	1 11	18 15	0 2	22 39	0 10	13 11	2 36	22 16	0 2	22 14
W 9	17 21	17 57	5 9	7 51	2 39	13 12	1 9	18 12	0s 1	22 39	0 10	13 9	2 36	22 16	0 2	22 14
T 10	17 37	12 51	5 15	7 50	2 47	13 37	1 7	18 10	0 4	22 40	0 10	13 8	2 36	22 15	0 2	22 14
F 11	17 52	6 59	5 1	7 51	2 55	14 2	1 6	18 7	0 7	22 40	0 10	13 7	2 36	22 15	0 2	22 14
S 12	18 8	0 43	4 28	7 54	3 1	14 26	1 4	18 4	0 10	22 40	0 10	13 5	2 36	22 15	0 2	22 14
S 13	18 23	5s37	3 37	8 0	3 7	14 50	1 2	18 1	0 12	22 41	0 10	13 4	2 36	22 15	0 2	22 14
M14	18 37	11 38	2 33	8 7	3 12	15 14	1 1	17 58	0 15	22 41	0 10	13 3	2 36	22 14	0 2	22 14
T 15	18 52	16 57	1 20	8 17	3 16	15 37	0 59	17 55	0 18	22 41	0 10	13 2	2 36	22 14	0 2	22 14
W16	19 6	21 14	0 4	8 29	3 19	16 0	0 57	17 51	0 21	22 42	0 9	13 0	2 36	22 14	0 2	22 14
T 17	19 19	24 13	1s11	8 43	3 22	16 22	0 55	17 48	0 24	22 42	0 9	12 59	2 36	22 13	0 2	22 14
F 18	19 33	25 45	2 21	8 58	3 23	16 44	0 53	17 45	0 27	22 42	0 9	12 58	2 36	22 13	0 2	22 14
S 19	19 46	25 49	3 21	9 16	3 24	17 6	0 51	17 42	0 30	22 43	0 9	12 57	2 35	22 13	0 2	22 14
S 20	19 58	24 32	4 9	9 35	3 24	17 27	0 49	17 39	0 32	22 43	0 9	12 56	2 35	22 12	0 2	22 13
M21	20 11	22 5	4 45	9 55	3 23	17 48	0 47	17 36	0 35	22 44	0 9	12 54	2 35	22 12	0 2	22 13
T 22	20 23	18 43	5 8	10 17	3 22	18 8	0 45	17 33	0 38	22 44	0 9	12 53	2 35	22 12	0 2	22 13
W23	20 34	14 37	5 17	10 41	3 20	18 28	0 43	17 29	0 41	22 45	0 9	12 52	2 35	22 12	0 2	22 13
T 24	20 46	10 0	5 12	11 6	3 17	18 47	0 41	17 26	0 44	22 45	0 9	12 51	2 35	22 11	0 2	22 13
F 25	20 57	5 1	4 54	11 31	3 13	19 6	0 39	17 24	0 46	22 46	0 8	12 50	2 35	22 11	0 2	22 13
S 26	21 7	0n11	4 23	11 58	3 9	19 24	0 36	17 21	0 49	22 46	0 8	12 49	2 35	22 11	0 2	22 13
S 27	21 17	5 27	3 40	12 27	3 5	19 42	0 34	17 18	0 52	22 47	0 8	12 48	2 34	22 10	0 2	22 13
M28	21 27	10 35	2 46	12 56	2 59	19 59	0 32	17 15	0 54	22 47	0 8	12 47	2 34	22 10	0 2	22 13
T 29	21 37	15 25	1 44	13 25	2 54	20 16	0 30	17 13	0 57	22 48	0 8	12 46	2 34	22 10	0 2	22 13
W30	21 46	19 39	0 35	13 56	2 47	20 32	0 28	17 10	1 0	22 48	0 8	12 45	2 34	22 9	0 2	22 13
T 31	21n55	23n 2	0n37	14n28	2s40	20n47	0s25	17s 8	1s 2	22s49	0n 8	12s44	2n34	22s 9	0n 2	22s13

Julian Day Number = 2445821.5, Delta T = 53.99 sec
 Ecliptic obliquity = 23°26'32", Nutation = - 0°00'17", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°31'17", Lahiri = 23°38'18"

ASTRODIENST EPHEMERIS for the year 1984

geocentric

JUNE 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 38 38	10 ^{II} 41'01	26 ^{II} 42	18 [♂] 54	6 ^{II} 37	14°R 5	11°R24	11°R 4	11°R36	0°R35	29°R42	6°R36	6 ^{II} 29	19°R14	3 ^{II} 37	F 1
S 2	16 42 35	11°38'32	10 [♂] 15	20°27	7°51	13 [♂] 50	11 [♂] 18	11 [♂] 0	11 [♂] 34	0 [♂] 33	29 [♂] 41	6 ^{II} 35	6°26	19°21	3°42	S 2
S 3	16 46 31	12°36'01	24° 1	22° 2	9° 5	13°37	11°12	10°57	11°31	0°32	29°40	6°35	6°22	19°27	3°46	S 3
M 4	16 50 28	13°33'29	7 [♂] 58	23°40	10°18	13°23	11° 7	10°53	11°29	0°30	29°39	6°34	6°19	19°34	3°51	M 4
T 5	16 54 24	14°30'56	22° 4	25°21	11°32	13°11	11° 1	10°50	11°26	0°29	29°38	6°33	6°16	19°41	3°55	T 5
W 6	16 58 21	15°28'22	6 [♂] 14	27° 4	12°46	12°59	10°54	10°47	11°24	0°27	29°37	6°33	6°13	19°48	3°59	W 6
T 7	17 2 17	16°25'46	20°28	28°49	13°59	12°49	10°48	10°43	11°21	0°26	29°36	6°D33	6°10	19°54	4° 4	T 7
F 8	17 6 14	17°23'10	4 [♂] 43	0 ^{II} 37	15°13	12°39	10°42	10°40	11°19	0°24	29°35	6°33	6° 7	20° 1	4° 8	F 8
S 9	17 10 11	18°20'32	18°55	2°28	16°27	12°29	10°35	10°37	11°16	0°23	29°34	6°34	6° 3	20° 8	4°13	S 9
S 10	17 14 7	19°17'53	3 [♂] 3	4°21	17°41	12°21	10°29	10°34	11°14	0°21	29°33	6°35	6° 0	20°15	4°17	S 10
M 11	17 18 4	20°15'13	17° 3	6°16	18°54	12°13	10°22	10°31	11°12	0°19	29°32	6°36	5°57	20°21	4°22	M 11
T 12	17 22 0	21°12'32	0 [♂] 54	8°14	20° 8	12° 7	10°15	10°28	11° 9	0°18	29°31	6°R36	5°54	20°28	4°26	T 12
W 13	17 25 57	22° 9'51	14°31	10°14	21°22	12° 1	10° 8	10°25	11° 7	0°16	29°30	6°36	5°51	20°35	4°30	W 13
T 14	17 29 53	23° 7'08	27°54	12°15	22°35	11°55	10° 1	10°23	11° 4	0°15	29°29	6°36	5°47	20°41	4°35	T 14
F 15	17 33 50	24° 4'26	11 [♂] 1	14°19	23°49	11°51	9°54	10°20	11° 2	0°13	29°29	6°34	5°44	20°48	4°39	F 15
S 16	17 37 47	25° 1'42	23°51	16°25	25° 3	11°48	9°47	10°18	11° 0	0°11	29°28	6°31	5°41	20°55	4°43	S 16
S 17	17 41 43	25°58'58	6 [♂] 25	18°32	26°16	11°45	9°40	10°15	10°57	0°10	29°27	6°29	5°38	21° 2	4°48	S 17
M 18	17 45 40	26°56'14	18°44	20°41	27°30	11°43	9°33	10°13	10°55	0° 8	29°26	6°26	5°35	21° 8	4°52	M 18
T 19	17 49 36	27°53'29	0 [♂] 51	22°50	28°44	11°42	9°25	10°10	10°53	0° 7	29°26	6°23	5°32	21°15	4°56	T 19
W 20	17 53 33	28°50'44	12°49	25° 1	29°58	11°D42	9°18	10° 8	10°50	0° 5	29°25	6°21	5°28	21°22	5° 0	W 20
T 21	17 57 29	29°47'59	24°43	27°12	1 [♂] 11	11°43	9°11	10° 6	10°48	0° 3	29°25	6°D20	5°25	21°28	5° 5	T 21
F 22	18 1 26	0 [♂] 45'14	6 [♂] 37	29°24	2°25	11°44	9° 3	10° 4	10°46	0° 2	29°24	6°20	5°22	21°35	5° 9	F 22
S 23	18 5 22	1°42'28	18°35	1 [♂] 35	3°39	11°46	8°56	10° 2	10°43	0° 0	29°23	6°21	5°19	21°42	5°13	S 23
S 24	18 9 19	2°39'43	0 [♂] 42	3°46	4°52	11°49	8°48	10° 0	10°41	29 [♂] 58	29°23	6°23	5°16	21°49	5°17	S 24
M 25	18 13 15	3°36'57	13° 3	5°57	6° 6	11°53	8°40	9°58	10°39	29°57	29°22	6°24	5°13	21°55	5°21	M 25
T 26	18 17 12	4°34'11	25°41	8° 7	7°20	11°57	8°33	9°56	10°37	29°55	29°22	6°26	5° 9	22° 2	5°25	T 26
W 27	18 21 9	5°31'25	8 ^{II} 39	10°17	8°34	12° 3	8°25	9°55	10°34	29°54	29°21	6°R26	5° 6	22° 9	5°29	W 27
T 28	18 25 5	6°28'40	21°59	12°25	9°47	12° 9	8°17	9°53	10°32	29°52	29°21	6°25	5° 3	22°15	5°34	T 28
F 29	18 29 2	7°25'54	5 [♂] 39	14°31	11° 1	12°16	8°10	9°52	10°30	29°50	29°21	6°23	5° 0	22°22	5°38	F 29
S 30	18 32 58	8 [♂] 23'08	19 [♂] 38	16 [♂] 37	12 [♂] 15	12 [♂] 23	8 [♂] 2	9 [♂] 51	10 [♂] 28	29 [♂] 49	29 [♂] 20	6 ^{II} 19	4 ^{II} 57	22 [♂] 29	5 ^{II} 42	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	22n 3	25n13	1n49	14n59	2s33	21n 2	0s23	17s 6	1s 5	22s50	0n 8	12s43	2n34	22s 9	0n 2	22s13	1n13	4n50	17n17	21n25	21n24	8s53	17n18	3s39			
S 2	22 11	25 58	2 56	15 32	2 25	21 17	0 21	17 4	1 7	22 50	0 7	12 42	2 34	22 8	0 2	22 13	1 13	4 50	17 17	21 25	21 23	8 50	17 19	3 39			
S 3	22 19	25 8	3 53	16 5	2 17	21 31	0 18	17 2	1 9	22 51	0 7	12 41	2 33	22 8	0 2	22 13	1 13	4 50	17 16	21 25	21 23	8 47	17 20	3 39			
M 4	22 26	22 45	4 38	16 38	2 8	21 44	0 16	17 0	1 12	22 51	0 7	12 40	2 33	22 8	0 2	22 13	1 13	4 50	17 16	21 25	21 22	8 44	17 20	3 39			
T 5	22 33	18 59	5 6	17 11	1 59	21 57	0 14	16 58	1 14	22 52	0 7	12 39	2 33	22 7	0 2	22 13	1 13	4 50	17 16	21 24	21 21	8 41	17 21	3 39			
W 6	22 39	14 7	5 16	17 44	1 49	22 9	0 11	16 57	1 16	22 53	0 7	12 38	2 33	22 7	0 2	22 13	1 13	4 50	17 15	21 24	21 21	8 38	17 22	3 39			
T 7	22 45	8 29	5 7	18 17	1 39	22 20	0 9	16 56	1 19	22 53	0 7	12 38	2 33	22 7	0 2	22 13	1 13	4 50	17 15	21 24	21 20	8 36	17 22	3 39			
F 8	22 51	2 24	4 39	18 50	1 29	22 31	0 6	16 55	1 21	22 54	0 7	12 37	2 32	22 6	0 2	22 13	1 13	4 50	17 14	21 24	21 20	8 33	17 23	3 39			
S 9	22 56	3s48	3 54	19 23	1 18	22 41	0 4	16 54	1 23	22 55	0 7	12 36	2 32	22 6	0 2	22 13	1 13	4 50	17 14	21 24	21 19	8 30	17 24	3 40			
S 10	23 1	9 47	2 55	19 54	1 8	22 51	0 2	16 54	1 25	22 55	0 6	12 35	2 32	22 6	0 2	22 13	1 13	4 50	17 13	21 25	21 19	8 27	17 24	3 40			
M 11	23 5	15 14	1 46	20 26	0 57	22 59	0n 1	16 53	1 27	22 56	0 6	12 34	2 32	22 5	0 2	22 13	1 13	4 50	17 13	21 25	21 18	8 24	17 25	3 40			
T 12	23 9	19 50	0 32	20 56	0 46	23 8	0 3	16 53	1 29	22 57	0 6	12 34	2 32	22 5	0 2	22 13	1 13	4 50	17 12	21 25	21 18	8 21	17 26	3 40			
W 13	23 13	23 16	0s44	21 25	0 34	23 15	0 5	16 53	1 31	22 57	0 6	12 33	2 31	22 5	0 2	22 13	1 13	4 49	17 12	21 25	21 17	8 18	17 26	3 40			
T 14	23 16	25 20	1 55	21 53	0 23	23 22	0 8	16 53	1 33	22 58	0 6	12 32	2 31	22 4	0 2	22 14	1 13	4 49	17 11	21 25	21 16	8 16	17 27	3 40			
F 15	23 19	25 57	2 59	22 19	0 12	23 28	0 10	16 54	1 35	22 59	0 6	12 32	2 31	22 4	0 2	22 14	1 13	4 49	17 11	21 24	21 16	8 13	17 27	3 40			
S 16	23 21	25 8	3 52	22 44	0 1	23 34	0 13	16 54	1 36	22 59	0 6	12 31	2 31	22 4	0 2	22 14	1 13	4 49	17 10	21 24	21 15	8 10	17 28	3 41			
S 17	23 23	23 4	4 32	23 6	0n10	23 38	0 15	16 55	1 38	23 0	0 6	12 31	2 31	22 3	0 2	22 14	1 13	4 49	17 10	21 24	21 15	8 7	17 29	3 41			
M 18	23 24	19 57	5 0	23 27	0 20	23 42	0 17	16 56	1 40	23 0	0 5	12 30	2 30	22 3	0 2	22 14	1 13	4 48	17 9	21 23	21 14	8 4	17 29	3 41			
T 19	23 26	16 3	5 13	23 45	0 30	23 46	0 20	16 57	1 42	23 1	0 5	12 30	2 30	22 3	0 2	22 14	1 13	4 48	17 9	21 23	21 14	8 1	17 30	3 41			
W 20	23 26	11 33	5 12	24 1	0 40	23 48	0 22	16 59	1 43	23 2	0 5	12 29	2 30	22 2	0 2	22 14	1 13	4 48	17 8	21 22	21 13	7 58	17 30	3 41			
T 21	23 27	6 40	4 58	24 15	0 50	23 50	0 24	17 1	1 45	23 2	0 5	12 29	2 30	22 2	0 2	22 14	1 13	4 48	17 8	21 22	21 13	7 55	17 31	3 41			
F 22	23 26	1 32	4 32	24 25	0 59	23 52	0 26	17 2	1 46	23 3	0 5	12 28	2 29	22 2	0 2	22 14	1 13	4 47	17 7	21 22	21 12	7 53	17 32	3 42			
S 23	23 26	3n41	3 53	24 33	1 7	23 52	0 29	17 5	1 48	23 4	0 5	12 28	2 29	22 2	0 2	22 14	1 13	4 47	17 7	21 22	21 11	7 50	17 32	3 42			
S 24	23 25	8 51	3 4	24 38	1 15	23 52	0 31	17 7	1 49	23 4	0 5	12 28	2 29	22 1	0 2	22 14	1 13	4 47	17 6	21 23	21 11	7 47	17 33	3 42			
M 25	23 24	13 46	2 5	24 40	1 22	23 51	0 33	17 9	1 51	23 5	0 4	12 27	2 29	22 1	0 2	22 14	1 13	4 46	17 6	21 23	21 10	7 44	17 33	3 42			
T 26	23 22	18 14	0 59	24 40	1 28	23 50	0 35	17 12	1 52	23 6	0 4	12 27	2 28	22 1	0 2	22 14	1 13	4 46	17 5	21 23	21 10	7 41	17 34	3 42			
W 27	23 20	21 57	0n12	24 36	1 34	23 47	0 38	17 15	1 53	23 6	0 4	12 27	2 28	22 0	0 2	22 14	1 13	4 46	17 5	21 23	21 9	7 38	17 34	3 43			
T 28	23 17	24 36	1 24	24 30	1 39	23 44	0 40	17 18	1 55	23 7	0 4	12 26	2 28	22 0	0 2	22 14	1 13	4 45	17 4	21 23	21 9	7 35	17 35	3 43			
F 29	23 14	25 52	2 33	24 21	1 43	23 41	0 42	17 21	1 56	23 8	0 4	12 26	2 28	22 0	0 2	22 14	1 13	4 45	17 3	21 23	21 8	7 32	17 35	3 43			
S 30	23n11	25n32	3n34	24n10	1n46	23n36	0n44	17s25	1s57	23s 8	0n 4	12s26	2n27	21s59	0n 2	22s14	1n13	4n44	17n 3	21n22	21n 7	7s29	17n36	3s43			

ASTRODIENST EPHEMERIS for the year 1984

geocentric

JULY 1984

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 55	9°20'21	3°53	18°540	13°529	12°32	7°R54	9°R49	10°R26	29°R47	29°R20	6°R14	4°53	22°36	5°46	S 1
M 2	18 40 51	10°17'35	18°16	20°42	14°42	12°41	7°547	9°48	10°24	29°46	29°20	6°9	4°50	22°42	5°49	M 2
T 3	18 44 48	11°14'48	2°44	22°42	15°56	12°51	7°39	9°47	10°22	29°44	29°20	6°5	4°47	22°49	5°53	T 3
W 4	18 48 45	12°12'00	17°11	24°40	17°10	13°1	7°31	9°46	10°20	29°42	29°19	6°1	4°44	22°56	5°57	W 4
T 5	18 52 41	13°9'13	1°31	26°37	18°24	13°12	7°24	9°45	10°18	29°41	29°19	5°59	4°41	23°2	6°1	T 5
F 6	18 56 38	14°6'25	15°43	28°31	19°37	13°24	7°16	9°45	10°16	29°39	29°19	5°D59	4°38	23°9	6°5	F 6
S 7	19 0 34	15°3'37	29°44	0°24	20°51	13°37	7°8	9°44	10°14	29°38	29°19	6°0	4°34	23°16	6°9	S 7
S 8	19 4 31	16°0'48	13°33	2°14	22°5	13°50	7°1	9°43	10°12	29°36	29°19	6°1	4°31	23°23	6°12	S 8
M 9	19 8 27	16°58'00	27°10	4°3	23°19	14°4	6°53	9°43	10°11	29°35	29°D19	6°2	4°28	23°29	6°10	M 9
T 10	19 12 24	17°55'11	10°35	5°49	24°33	14°18	6°46	9°43	10°9	29°33	29°19	6°R2	4°25	23°36	6°20	T 10
W11	19 16 20	18°52'23	23°48	7°34	25°46	14°33	6°39	9°42	10°7	29°32	29°19	6°1	4°22	23°43	6°24	W11
T 12	19 20 17	19°49'35	6°39	9°16	27°0	14°49	6°31	9°42	10°5	29°30	29°19	5°57	4°19	23°49	6°27	T 12
F 13	19 24 14	20°46'46	19°38	10°57	28°14	15°5	6°24	9°D42	10°4	29°29	29°19	5°52	4°15	23°56	6°31	F 13
S 14	19 28 10	21°43'58	2°15	12°35	29°28	15°22	6°17	9°42	10°2	29°27	29°19	5°45	4°12	24°3	6°34	S 14
S 15	19 32 7	22°41'11	14°40	14°12	0°41	15°39	6°10	9°42	10°0	29°26	29°19	5°37	4°9	24°10	6°38	S 15
M16	19 36 3	23°38'24	26°53	15°46	1°55	15°57	6°3	9°42	9°59	29°24	29°20	5°28	4°6	24°16	6°41	M16
T 17	19 40 0	24°35'37	8°57	17°19	3°9	16°16	5°56	9°43	9°57	29°23	29°20	5°20	4°3	24°23	6°45	T 17
W18	19 43 56	25°32'51	20°53	18°50	4°23	16°35	5°49	9°43	9°56	29°21	29°20	5°13	3°59	24°30	6°48	W18
T 19	19 47 53	26°30'05	2°45	20°18	5°37	16°54	5°42	9°44	9°54	29°20	29°20	5°8	3°56	24°36	6°51	T 19
F 20	19 51 49	27°27'20	14°37	21°45	6°50	17°14	5°35	9°44	9°53	29°19	29°21	5°5	3°53	24°43	6°55	F 20
S 21	19 55 46	28°24'36	26°33	23°9	8°4	17°35	5°29	9°45	9°52	29°17	29°21	5°D4	3°50	24°50	6°58	S 21
S 22	19 59 43	29°21'53	8°39	24°32	9°18	17°56	5°22	9°46	9°50	29°16	29°22	5°5	3°47	24°57	7°1	S 22
M23	20 3 39	0°19'10	20°59	25°52	10°32	18°18	5°16	9°47	9°49	29°15	29°22	5°6	3°44	25°3	7°4	M23
T 24	20 7 36	1°16'29	3°18	27°10	11°46	18°40	5°10	9°48	9°48	29°13	29°23	5°R6	3°40	25°10	7°7	T 24
W25	20 11 32	2°13'48	16°31	28°26	13°0	19°2	5°4	9°49	9°47	29°12	29°23	5°6	3°37	25°17	7°10	W25
T 26	20 15 29	3°11'08	0°9	29°40	14°13	19°25	4°58	9°50	9°45	29°11	29°24	5°3	3°34	25°23	7°13	T 26
F 27	20 19 25	4°8'30	14°4	0°51	15°27	19°49	4°52	9°51	9°44	29°9	29°24	4°58	3°31	25°30	7°16	F 27
S 28	20 23 22	5°5'51	28°23	2°0	16°41	20°13	4°46	9°53	9°43	29°8	29°25	4°51	3°28	25°37	7°19	S 28
S 29	20 27 18	6°3'14	13°9	3°6	17°55	20°37	4°40	9°54	9°42	29°7	29°25	4°43	3°25	25°44	7°22	S 29
M30	20 31 15	7°0'38	27°50	4°10	19°9	21°2	4°35	9°56	9°41	29°6	29°26	4°33	3°21	25°50	7°25	M30
T 31	20 35 12	7°58'02	12°43	5°11	20°23	21°27	4°30	9°57	9°40	29°5	29°27	4°24	3°18	25°57	7°28	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	23n 7	23n33	4n23	23n57	1n49	23n31	0n46	17s28	1s58	23s 9	0n 4	12s26	2n27	21s59	0n 2	22s14
M 2	23 3 20	2 4	4 56	23 41	1 51	23 25	0 48	17 32	1 59	23 9	0 4	12 26	2 27	21 59	0 2	22 14
T 3	22 58	15 19	5 10	23 23	1 52	23 19	0 50	17 36	2 0	23 10	0 3	12 26	2 27	21 59	0 2	22 14
W 4	22 53	9 45	5 5	23 3	1 53	23 12	0 52	17 40	2 1	23 10	0 3	12 26	2 26	21 58	0 2	22 14
T 5	22 48	3 41	4 41	22 41	1 53	23 4	0 54	17 45	2 2	23 11	0 3	12 26	2 26	21 58	0 2	22 14
F 6	22 42	2s30	3 59	22 17	1 52	22 55	0 56	17 49	2 3	23 12	0 3	12 26	2 26	21 58	0 2	22 14
S 7	22 36	8 30	3 4	21 52	1 50	22 46	0 57	17 54	2 4	23 12	0 3	12 26	2 26	21 58	0 2	22 14
S 8	22 29	14 1	1 59	21 25	1 48	22 36	0 59	17 59	2 5	23 13	0 3	12 26	2 25	21 57	0 2	22 14
M 9	22 22	18 45	0 48	20 57	1 45	22 26	1 1	18 4	2 6	23 13	0 3	12 26	2 25	21 57	0 2	22 14
T 10	22 15	22 27	0s25	20 28	1 42	22 15	1 3	18 9	2 7	23 14	0 2	12 26	2 25	21 57	0 2	22 14
W11	22 7	24 52	1 35	19 58	1 38	22 3	1 4	18 14	2 8	23 14	0 2	12 26	2 25	21 57	0 2	22 14
T 12	21 59	25 54	2 39	19 26	1 34	21 50	1 6	18 20	2 9	23 15	0 2	12 26	2 24	21 56	0 2	22 14
F 13	21 50	25 31	3 33	18 54	1 29	21 37	1 8	18 25	2 9	23 15	0 2	12 27	2 24	21 56	0 2	22 14
S 14	21 41	23 49	4 16	18 22	1 23	21 24	1 9	18 31	2 10	23 16	0 2	12 27	2 24	21 56	0 2	22 14
S 15	21 32	21 0	4 47	17 48	1 17	21 9	1 11	18 37	2 11	23 16	0 2	12 27	2 23	21 56	0 2	22 14
M16	21 22	17 18	5 3	17 14	1 11	20 54	1 12	18 43	2 11	23 17	0 2	12 27	2 23	21 55	0 2	22 14
T 17	21 12	12 56	5 6	16 39	1 4	20 39	1 13	18 49	2 12	23 17	0 1	12 28	2 23	21 55	0 2	22 14
W18	21 2	8 8	4 55	16 4	0 56	20 22	1 15	18 55	2 13	23 18	0 1	12 28	2 23	21 55	0 2	22 14
T 19	20 51	3 4	4 32	15 29	0 48	20 6	1 16	19 1	2 13	23 18	0 1	12 29	2 22	21 55	0 2	22 14
F 20	20 40	2n 7	3 57	14 54	0 40	19 48	1 17	19 7	2 14	23 18	0 1	12 29	2 22	21 55	0 2	22 14
S 21	20 29	7 16	3 12	14 18	0 32	19 31	1 18	19 14	2 14	23 19	0 1	12 30	2 22	21 54	0 2	22 14
S 22	20 17	12 13	2 17	13 42	0 23	19 12	1 19	19 20	2 15	23 19	0 1	12 30	2 22	21 54	0 2	22 14
M23	20 5	16 48	1 15	13 7	0 14	18 53	1 20	19 27	2 16	23 20	0 1	12 31	2 21	21 54	0 2	22 14
T 24	19 53	20 45	0 8	12 31	0 4	18 34	1 21	19 33	2 16	23 20	0 0	12 31	2 21	21 54	0 2	22 14
W25	19 40	23 48	1n 2	11 56	0s 6	18 14	1 22	19 40	2 16	23 20	0 0	12 32	2 21	21 54	0 1	22 14
T 26	19 27	25 36	2 10	11 21	0 16	17 53	1 23	19 47	2 17	23 21	0 0	12 32	2 21	21 54	0 1	22 14
F 27	19 13	25 53	3 12	10 46	0 26	17 32	1 24	19 54	2 17	23 21	0 0	12 33	2 20	21 53	0 1	22 14
S 28	19 0	24 29	4 5	10 11	0 37	17 11	1 25	20 1	2 18	23 22	0s 0	12 34	2 20	21 53	0 1	22 14
S 29	18 46	21 25	4 42	9 37	0 48	16 49	1 25	20 8	2 18	23 22	0 0	12 34	2 20	21 53	0 1	22 14
M30	18 31	16 56	5 1	9 4	0 59	16 27	1 26	20 15	2 18	23 22	0 0	12 35	2 19	21 53	0 1	22 14
T 31	18n17	11n24	5n 0	8n31	1s10	16n 4	1n26	20s22	2s19	23s22	0s 1	12s36	2n19	21s53	0n 1	22s14

Julian Day Number = 2445882.5, Delta T = 54.09 sec
 Ecliptic obliquity = 23°26'32", Nutation = - 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°31'25", Lahiri = 23°38'26"

ASTRODIENST EPHEMERIS for the year 1984
geocentric

AUGUST 1984

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	20 39 8	8♌55°26	27♎31	6♊9	21♌36	21♍53	4°R24	9♍59	9°R39	29°R 3	29♌28	4°R17	3♊15	26♋4	7♊31	W 1
T 2	20 43 5	9°52°51	12♌7	7° 5	22°50	22°19	4♌19	10° 1	9♋39	29°R 2	29°28	4♊12	3°12	26°10	7°33	T 2
F 3	20 47 1	10°50°17	26°26	7°57	24° 4	22°46	4°15	10° 3	9°38	29° 1	29°29	4° 9	3° 9	26°17	7°36	F 3
S 4	20 50 58	11°47°44	10♌26	8°46	25°18	23°12	4°10	10° 5	9°37	29° 0	29°30	4°D 8	3° 5	26°24	7°38	S 4
S 5	20 54 54	12°45°11	24° 7	9°32	26°32	23°40	4° 5	10° 7	9°36	28°59	29°31	4° 9	3° 2	26°31	7°41	S 5
M 6	20 58 51	13°42°39	7♋30	10°14	27°46	24° 7	4° 1	10° 9	9°36	28°58	29°32	4°R 9	2°59	26°37	7°43	M 6
T 7	21 2 47	14°40°07	20°37	10°52	29° 0	24°35	3°57	10°12	9°35	28°57	29°33	4° 8	2°56	26°44	7°46	T 7
W 8	21 6 44	15°37°37	3♌31	11°27	0♎13	25° 4	3°52	10°14	9°35	28°56	29°34	4° 5	2°53	26°51	7°48	W 8
T 9	21 10 41	16°35°07	16°13	11°58	1°27	25°32	3°49	10°17	9°34	28°55	29°35	3°59	2°50	26°57	7°51	T 9
F 10	21 14 37	17°32°39	28°45	12°24	2°41	26° 1	3°45	10°19	9°34	28°54	29°36	3°50	2°46	27° 4	7°53	F 10
S 11	21 18 34	18°30°11	11♌7	12°46	3°55	26°31	3°41	10°22	9°33	28°53	29°37	3°39	2°43	27°11	7°55	S 11
S 12	21 22 30	19°27°44	23°20	13° 3	5° 9	27° 1	3°38	10°25	9°33	28°52	29°38	3°26	2°40	27°18	7°57	S 12
M13	21 26 27	20°25°19	5♋25	13°15	6°22	27°31	3°35	10°28	9°33	28°51	29°39	3°13	2°37	27°24	7°59	M13
T 14	21 30 23	21°22°55	17°23	13°22	7°36	28° 1	3°32	10°31	9°32	28°51	29°40	3° 0	2°34	27°31	8° 1	T 14
W15	21 34 20	22°20°32	29°17	13°R24	8°50	28°32	3°29	10°34	9°32	28°50	29°41	2°49	2°31	27°38	8° 3	W15
T 16	21 38 16	23°18°10	11♊7	13°20	10° 4	29° 3	3°26	10°37	9°32	28°49	29°43	2°41	2°27	27°44	8° 5	T 16
F 17	21 42 13	24°15°50	22°57	13°10	11°18	29°34	3°23	10°40	9°32	28°48	29°44	2°35	2°24	27°51	8° 7	F 17
S 18	21 46 10	25°13°32	4♌52	12°55	12°31	0♋5	3°21	10°43	9°D32	28°48	29°45	2°31	2°21	27°58	8° 9	S 18
S 19	21 50 6	26°11°15	16°55	12°35	13°45	0°37	3°19	10°47	9°32	28°47	29°47	2°30	2°18	28° 5	8°10	S 19
M20	21 54 3	27° 8°59	29°13	12° 8	14°59	1°10	3°17	10°50	9°32	28°46	29°48	2°30	2°15	28°11	8°12	M20
T 21	21 57 59	28° 6°46	11♊49	11°37	16°13	1°42	3°15	10°54	9°32	28°46	29°49	2°30	2°11	28°18	8°14	T 21
W22	22 1 56	29° 4°34	24°49	11° 0	17°27	2°15	3°14	10°57	9°32	28°45	29°51	2°28	2° 8	28°25	8°15	W22
T 23	22 5 52	0♎2°24	8♌17	10°18	18°40	2°48	3°12	11° 1	9°33	28°44	29°52	2°25	2° 5	28°31	8°17	T 23
F 24	22 9 49	1° 0°16	22°14	9°32	19°54	3°21	3°11	11° 5	9°33	28°44	29°54	2°19	2° 2	28°38	8°18	F 24
S 25	22 13 45	1°58°09	6♌40	8°43	21° 8	3°55	3°10	11° 9	9°33	28°43	29°55	2°11	1°59	28°45	8°20	S 25
S 26	22 17 42	2°56°04	21°30	7°50	22°22	4°28	3° 9	11°13	9°34	28°43	29°57	2° 1	1°56	28°52	8°21	S 26
M27	22 21 39	3°54°00	6♎37	6°56	23°36	5° 2	3° 8	11°17	9°34	28°42	29°58	1°49	1°52	28°58	8°22	M27
T 28	22 25 35	4°51°58	21°49	6° 0	24°49	5°37	3° 8	11°21	9°34	28°42	29°59	1°39	1°49	29° 5	8°23	T 28
W29	22 29 32	5°49°58	6♌57	5° 5	26° 3	6°11	3° 8	11°25	9°35	28°42	0♎1	1°30	1°46	29°12	8°24	W29
T 30	22 33 28	6°47°58	21°51	4°12	27°17	6°46	3°D 8	11°29	9°36	28°41	0° 3	1°23	1°43	29°18	8°25	T 30
F 31	22 37 25	7♎46°00	6♍23	3♎21	28♎31	7♋21	3♌8	11♌34	9♋36	28♋41	0♍5	1♊19	1♊40	29♋25	8♊26	F 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
W 1	18n 2	5n15 4n39	7n59 1s22	15n40 1n27	20s29 2s19	23s23 0s 1	12s37 2n19	21s53 0n 1	22s14 1n12	4n25 16n44	21n 0 20n49	5s55 17n45	3s52		
T 2	17 47	1s 6 4 0	7 28 1 33	15 17 1 27	20 36 2 19	23 23 0 1	12 38 2 19	21 53 0 1	22 14 1 12	4 24 16 44	20 59 20 48	5 52 17 46	3 52		
F 3	17 31	7 18 3 6	6 58 1 45	14 53 1 28	20 43 2 20	23 23 0 1	12 38 2 18	21 52 0 1	22 14 1 12	4 23 16 43	20 59 20 47	5 49 17 46	3 52		
S 4	17 15	13 1 2 3	6 29 1 57	14 28 1 28	20 50 2 20	23 24 0 1	12 39 2 18	21 52 0 1	22 14 1 12	4 22 16 43	20 59 20 47	5 46 17 46	3 52		
S 5	16 59	17 57 0 53	6 1 2 9	14 3 1 28	20 57 2 20	23 24 0 1	12 40 2 18	21 52 0 1	22 14 1 12	4 21 16 42	20 59 20 46	5 43 17 46	3 53		
M 6	16 43	21 51 0s18	5 34 2 21	13 38 1 28	21 4 2 20	23 24 0 1	12 41 2 18	21 52 0 1	22 14 1 12	4 21 16 42	20 59 20 45	5 40 17 46	3 53		
T 7	16 26	24 33 1 26	5 8 2 32	13 12 1 28	21 11 2 21	23 24 0 1	12 42 2 17	21 52 0 1	22 14 1 12	4 20 16 41	20 58 20 45	5 37 17 46	3 53		
W 8	16 9	25 53 2 29	4 44 2 44	12 46 1 28	21 19 2 21	23 25 0 2	12 43 2 17	21 52 0 1	22 14 1 12	4 19 16 40	20 58 20 44	5 34 17 46	3 54		
T 9	15 52	25 49 3 23	4 22 2 56	12 20 1 28	21 26 2 21	23 25 0 2	12 44 2 17	21 52 0 1	22 15 1 12	4 18 16 40	20 57 20 44	5 31 17 46	3 54		
F 10	15 35	24 26 4 7	4 1 3 7	11 53 1 28	21 33 2 21	23 25 0 2	12 45 2 17	21 52 0 1	22 15 1 12	4 17 16 39	20 55 20 43	5 28 17 46	3 54		
S 11	15 17	21 53 4 38	3 43 3 19	11 26 1 28	21 40 2 21	23 25 0 2	12 46 2 16	21 52 0 1	22 15 1 12	4 16 16 39	20 53 20 42	5 25 17 46	3 55		
S 12	14 59	18 24 4 56	3 26 3 29	10 59 1 28	21 47 2 21	23 26 0 2	12 47 2 16	21 52 0 1	22 15 1 12	4 15 16 38	20 51 20 42	5 22 17 46	3 55		
M13	14 41	14 10 5 0	3 12 3 40	10 32 1 27	21 54 2 21	23 26 0 2	12 49 2 16	21 52 0 1	22 15 1 12	4 15 16 38	20 48 20 41	5 19 17 46	3 55		
T 14	14 23	9 27 4 51	3 0 3 50	10 4 1 27	22 1 2 22	23 26 0 2	12 50 2 16	21 52 0 1	22 15 1 12	4 14 16 37	20 46 20 41	5 16 17 46	3 56		
W15	14 4	4 24 4 29	2 50 4 0	9 36 1 26	22 8 2 22	23 26 0 2	12 51 2 15	21 52 0 1	22 15 1 12	4 13 16 37	20 44 20 40	5 13 17 46	3 56		
T 16	13 45	0n46 3 56	2 44 4 8	9 7 1 26	22 15 2 22	23 26 0 3	12 52 2 15	21 52 0 1	22 15 1 11	4 12 16 36	20 42 20 39	5 10 17 46	3 56		
F 17	13 26	5 56 3 13	2 40 4 16	8 39 1 25	22 22 2 22	23 27 0 3	12 53 2 15	21 52 0 1	22 15 1 11	4 11 16 36	20 41 20 39	5 7 17 46	3 57		
S 18	13 7	10 56 2 21	2 39 4 23	8 10 1 25	22 29 2 22	23 27 0 3	12 55 2 15	21 52 0 1	22 15 1 11	4 10 16 35	20 40 20 38	5 4 17 46	3 57		
S 19	12 47	15 36 1 21	2 41 4 29	7 41 1 24	22 36 2 22	23 27 0 3	12 56 2 14	21 52 0 1	22 15 1 11	4 9 16 35	20 40 20 37	5 1 17 46	3 57		
M20	12 28	19 42 0 17	2 47 4 34	7 12 1 23	22 42 2 22	23 27 0 3	12 57 2 14	21 52 0 1	22 15 1 11	4 8 16 34	20 40 20 37	4 58 17 46	3 58		
T 21	12 8	23 1 0n49	2 56 4 38	6 42 1 22	22 49 2 22	23 27 0 3	12 58 2 14	21 52 0 1	22 15 1 11	4 7 16 34	20 40 20 36	4 55 17 46	3 58		
W22	11 48	25 15 1 55	3 8 4 39	6 13 1 21	22 56 2 22	23 28 0 3	13 0 2 14	21 52 0 1	22 15 1 11	4 6 16 33	20 39 20 36	4 52 17 46	3 59		
T 23	11 28	26 8 2 57	3 23 4 40	5 43 1 20	23 2 2 22	23 28 0 3	13 1 2 13	21 52 0 1	22 15 1 11	4 5 16 33	20 39 20 35	4 49 17 45	3 59		
F 24	11 7	25 24 3 51	3 42 4 38	5 13 1 19	23 9 2 22	23 28 0 4	13 3 2 13	21 52 0 1	22 15 1 11	4 4 16 32	20 38 20 34	4 46 17 45	3 59		
S 25	10 47	22 59 4 31	4 3 4 35	4 43 1 18	23 15 2 22	23 28 0 4	13 4 2 13	21 52 0 1	22 15 1 11	4 3 16 32	20 36 20 34	4 43 17 45	4 0		
S 26	10 26	18 59 4 55	4 27 4 30	4 13 1 17	23 21 2 21	23 28 0 4	13 5 2 13	21 52 0 1	22 15 1 11	4 3 16 31	20 34 20 33	4 40 17 45	4 0		
M27	10 5	13 43 4 59	4 54 4 23	3 42 1 16	23 28 2 21	23 28 0 4	13 7 2 13	21 52 0 1	22 15 1 11	4 2 16 31	20 32 20 32	4 37 17 45	4 0		
T 28	9 44	7 34 4 42	5 22 4 14	3 12 1 14	23 34 2 21	23 28 0 4	13 8 2 12	21 52 0 1	22 15 1 11	4 1 16 30	20 30 20 32	4 34 17 45	4 1		
W29	9 22	1 0 4 5	5 52 4 3	2 41 1 13	23 40 2 21	23 28 0 4	13 10 2 12	21 52 0 1	22 15 1 11	4 0 16 30	20 28 20 31	4 31 17 44	4 1		
T 30	9 1	5s32 3 12	6 24 3 50	2 10 1 11	23 46 2 21	23 29 0 4	13 11 2 12	21 52 0 1	22 15 1 11	3 59 16 29	20 26 20 30	4 28 17 44	4 1		
F 31	8n39	11s39 2n 8	6n55 3s36	1n40 1n10	23s51 2s21	23s29 0s 4	13s13 2n12	21s53 0n 1	22s15 1n11	3n58 16n29	20n26 20n30	4s25 17n44	4s 2		

Julian Day Number = 2445913.5, Delta T = 54.13 sec
Ecliptic obliquity = 23°26'33", Nutation = - 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°31'30", Lahiri = 23°38'30"

ASTRODIENST EPHEMERIS for the year 1984

geocentric

SEPTEMBER 1984

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 21	8 ^h 44 ^m 04 ^s	20 ^h 32 ^m	2°R34	29 ^h 44 ^m	7 ^h 56 ^m	3 ^h 8 ^m	11 ^h 38 ^m	9 ^h 37 ^m	28°R41	0 ^h 6 ^m	1°R18	1 ^h 36 ^m	29 ^h 32 ^m	8 ^h 27 ^m	S 1
S 2	22 45 18	9°42'09"	4 ^h 15 ^m	1 ^h 51 ^m	0 ^h 58 ^m	8°32'	3° 8'	11°43'	9°38'	28°40'	0° 8'	1 ^h 18 ^m	1°33'	29°38'	8°28'	S 2
M 3	22 49 14	10°40'15"	17°35'	1°14'	2°12'	9° 8'	3° 9'	11°47'	9°38'	28°40'	0°10'	1°17'	1°30'	29°45'	8°29'	M 3
T 4	22 53 11	11°38'23"	0 ^h 35 ^m	0°45'	3°25'	9°44'	3°10'	11°52'	9°39'	28°40'	0°11'	1°16'	1°27'	29°52'	8°30'	T 4
W 5	22 57 8	12°36'32"	13°18'	0°22'	4°39'	10°20'	3°11'	11°56'	9°40'	28°40'	0°13'	1°13'	1°24'	29°59'	8°30'	W 5
T 6	23 1 4	13°34'43"	25°47'	0° 8'	5°53'	10°56'	3°12'	12° 1'	9°41'	28°40'	0°15'	1° 7'	1°21'	0 ^h 5 ^m	8°31'	T 6
F 7	23 5 1	14°32'55"	8 ^h 5 ^m	0°D 2	7° 7'	11°33'	3°14'	12° 6'	9°42'	28°39'	0°17'	0°58'	1°17'	0°12'	8°31'	F 7
S 8	23 8 57	15°31'09"	20°15'	0° 5'	8°20'	12°10'	3°15'	12°11'	9°43'	28°39'	0°19'	0°47'	1°14'	0°19'	8°32'	S 8
S 9	23 12 54	16°29'24"	2 ^h 18 ^m	0°17'	9°34'	12°47'	3°17'	12°16'	9°44'	28°39'	0°21'	0°35'	1°11'	0°25'	8°32'	S 9
M10	23 16 50	17°27'41"	14°16'	0°38'	10°47'	13°24'	3°19'	12°21'	9°45'	28°D39	0°22'	0°21'	1° 8'	0°32'	8°32'	M10
T 11	23 20 47	18°26'00"	26° 9'	1° 7'	12° 1'	14° 1'	3°21'	12°26'	9°47'	28°39'	0°24'	0° 8'	1° 5'	0°39'	8°33'	T 11
W12	23 24 43	19°24'21"	8 ^h 1 ^m	1°46'	13°15'	14°39'	3°24'	12°31'	9°48'	28°39'	0°26'	29 ^h 57 ^m	1° 2'	0°46'	8°33'	W12
T 13	23 28 40	20°22'43"	19°51'	2°32'	14°28'	15°17'	3°26'	12°37'	9°49'	28°39'	0°28'	29°48'	0°58'	0°52'	8°33'	T 13
F 14	23 32 37	21°21'08"	1 ^h 8 ^m	3°27'	15°42'	15°55'	3°29'	12°42'	9°50'	28°40'	0°30'	29°42'	0°55'	0°59'	8°R33	F 14
S 15	23 36 33	22°19'35"	13°39'	4°29'	16°55'	16°33'	3°32'	12°47'	9°52'	28°40'	0°32'	29°39'	0°52'	1° 6'	8°33'	S 15
S 16	23 40 30	23°18'03"	25°43'	5°38'	18° 9'	17°11'	3°35'	12°53'	9°53'	28°40'	0°34'	29°D37	0°49'	1°12'	8°33'	S 16
M17	23 44 26	24°16'34"	8 ^h 11 ^m	6°53'	19°23'	17°49'	3°38'	12°58'	9°55'	28°40'	0°36'	29°38'	0°46'	1°19'	8°33'	M17
T 18	23 48 23	25°15'08"	20°34'	8°14'	20°36'	18°28'	3°42'	13° 4'	9°56'	28°40'	0°38'	29°R38	0°42'	1°26'	8°33'	T 18
W19	23 52 19	26°13'43"	3 ^h 29 ^m	9°40'	21°50'	19° 7'	3°45'	13° 9'	9°58'	28°41'	0°40'	29°38'	0°39'	1°32'	8°32'	W19
T 20	23 56 16	27°12'21"	16°51'	11°11'	23° 3'	19°46'	3°49'	13°15'	9°59'	28°41'	0°42'	29°36'	0°36'	1°39'	8°32'	T 20
F 21	0 12	28°11'01"	0 ^h 12 ^m	12°46'	24°17'	20°25'	3°53'	13°21'	10° 1'	28°41'	0°45'	29°32'	0°33'	1°46'	8°31'	F 21
S 22	0 4 9	29° 9'43"	15° 2'	14°24'	25°30'	21° 4'	3°57'	13°26'	10° 3'	28°42'	0°47'	29°26'	0°30'	1°53'	8°31'	S 22
S 23	0 8 6	0 ^h 12 ^m	29°48'	16° 4'	26°44'	21°44'	4° 2'	13°32'	10° 5'	28°42'	0°49'	29°18'	0°27'	1°59'	8°30'	S 23
M24	0 12 2	1° 7'13"	14 ^h 55 ^m	17°47'	27°57'	22°24'	4° 6'	13°38'	10° 6'	28°43'	0°51'	29° 9'	0°23'	2° 6'	8°30'	M24
T 25	0 15 59	2° 6'02"	0 ^h 12 ^m	19°32'	29°11'	23° 3'	4°11'	13°44'	10° 8'	28°43'	0°53'	29° 1'	0°20'	2°13'	8°29'	T 25
W26	0 19 55	3° 4'52"	15°29'	21°18'	0 ^h 12 ^m	23°43'	4°16'	13°50'	10°10'	28°44'	0°55'	28°53'	0°17'	2°19'	8°28'	W26
T 27	0 23 52	4° 3'44"	0 ^h 13 ^m	23° 5'	1°38'	24°23'	4°21'	13°56'	10°12'	28°44'	0°58'	28°48'	0°14'	2°26'	8°27'	T 27
F 28	0 27 48	5° 2'38"	15°21'	24°53'	2°51'	25° 4'	4°26'	14° 2'	10°14'	28°45'	1° 0'	28°45'	0°11'	2°33'	8°27'	F 28
S 29	0 31 45	6° 1'35"	29°41'	26°42'	4° 5'	25°44'	4°31'	14° 8'	10°16'	28°45'	1° 2'	28°D44	0° 8'	2°39'	8°26'	S 29
S 30	0 35 41	7 ^h 12 ^m	13 ^h 34 ^m	28 ^h 31 ^m	5 ^h 18 ^m	26 ^h 25 ^m	4 ^h 37 ^m	14 ^h 14 ^m	10 ^h 18 ^m	28 ^h 46 ^m	1 ^h 4 ^m	28 ^h 45 ^m	0 ^h 11 ^m	2 ^h 46 ^m	8 ^h 25 ^m	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
S 1	8n18	16s58	0n57	7n27	3s21	1n 9	1n 8	23s57	2s21	23s29	0s 5	13s14	2n11	21s53	0n 1	22s15	1n11	3n57	16n28	20n25	20n29	4s22	17n44	4s 2	17s44
S 2	7 56	21 15	0s16	7 57	3 4	0 38	1 7	24 3	2 21	23 29	0 5	13 16	2 11	21 53	0 1	22 15	1 11	3 56	16 28	20 25	20 29	4 19	17 44	4 3	17 44
M 3	7 34	24 16	1 25	8 27	2 46	0 7	1 5	24 8	2 20	23 29	0 5	13 18	2 11	21 53	0 1	22 15	1 11	3 55	16 27	20 25	20 28	4 16	17 43	4 3	17 43
T 4	7 12	25 55	2 28	8 55	2 27	0s24	1 3	24 13	2 20	23 29	0 5	13 19	2 11	21 53	0 1	22 16	1 11	3 54	16 27	20 25	20 27	4 12	17 43	4 3	17 43
W 5	6 50	26 8	3 23	9 20	2 9	0 55	1 1	24 18	2 20	23 29	0 5	13 21	2 11	21 53	0 1	22 16	1 11	3 53	16 27	20 24	20 27	4 9	17 43	4 4	17 43
T 6	6 27	25 1	4 6	9 43	1 49	1 25	1 0	24 24	2 20	23 29	0 5	13 23	2 10	21 53	0 1	22 16	1 11	3 52	16 26	20 23	20 26	4 6	17 43	4 4	17 43
F 7	6 5	22 43	4 37	10 3	1 30	1 56	0 58	24 28	2 19	23 29	0 5	13 24	2 10	21 53	0 1	22 16	1 10	3 51	16 26	20 21	20 25	4 3	17 42	4 4	17 42
S 8	5 43	19 24	4 56	10 20	1 11	2 27	0 56	24 33	2 19	23 29	0 5	13 26	2 10	21 54	0 1	22 16	1 10	3 50	16 25	20 19	20 25	4 0	17 42	4 5	17 42
S 9	5 20	15 20	5 0	10 33	0 53	2 58	0 54	24 38	2 19	23 29	0 5	13 28	2 10	21 54	0 1	22 16	1 10	3 49	16 25	20 16	20 24	3 57	17 42	4 5	17 42
M10	4 57	10 41	4 52	10 43	0 35	3 29	0 52	24 42	2 19	23 30	0 5	13 29	2 10	21 54	0 1	22 16	1 10	3 48	16 25	20 14	20 23	3 54	17 41	4 5	17 41
T 11	4 35	5 40	4 31	10 48	0 18	4 0	0 49	24 47	2 18	23 30	0 6	13 31	2 9	21 54	0 1	22 16	1 10	3 47	16 24	20 11	20 23	3 51	17 41	4 6	17 41
W12	4 12	0 28	3 58	10 50	0 1	4 30	0 47	24 51	2 18	23 30	0 6	13 33	2 9	21 54	0 1	22 16	1 10	3 46	16 24	20 9	20 22	3 48	17 41	4 6	17 41
T 13	3 49	4n45	3 15	10 47	0n14	5 1	0 45	24 55	2 18	23 30	0 6	13 35	2 9	21 55	0 1	22 16	1 10	3 45	16 23	20 7	20 21	3 45	17 40	4 7	17 40
F 14	3 26	9 50	2 23	10 41	0 28	5 31	0 43	24 59	2 18	23 30	0 6	13 36	2 9	21 55	0 1	22 16	1 10	3 44	16 23	20 5	20 21	3 42	17 40	4 7	17 40
S 15	3 3	14 36	1 24	10 31	0 42	6 2	0 40	25 2	2 17	23 30	0 6	13 38	2 9	21 55	0 1	22 16	1 10	3 43	16 23	20 5	20 20	3 39	17 40	4 7	17 40
S 16	2 40	18 51	0 21	10 17	0 54	6 32	0 38	25 6	2 17	23 30	0 6	13 40	2 8	21 55	0 1	22 16	1 10	3 42	16 22	20 4	20 19	3 36	17 39	4 8	17 39
M17	2 16	22 23	0n45	9 59	1 5	7 2	0 36	25 9	2 16	23 30	0 6	13 42	2 8	21 55	0 1	22 16	1 10	3 41	16 22	20 4	20 19	3 33	17 39	4 8	17 39
T 18	1 53	24 55	1 49	9 38	1 14	7 32	0 33	25 12	2 16	23 30	0 6	13 44	2 8	21 56	0 1	22 16	1 10	3 40	16 22	20 5	20 18	3 30	17 38	4 8	17 38
W19	1 30	26 14	2 50	9 13	1 23	8 2	0 31	25 15	2 16	23 30	0 6	13 45	2 8	21 56	0 1	22 16	1 10	3 39	16 21	20 4	20 17	3 26	17 38	4 9	17 38
T 20	1 7	26 5	3 44	8 46	1 30	8 32	0 28	25 18	2 15	23 30	0 6	13 47	2 8	21 56	0 1	22 16	1 10	3 38	16 21	20 4	20 17	3 23	17 38	4 9	17 38
F 21	0 43	24 21	4 27	8 15	1 36	9 1	0 25	25 20	2 15	23 30	0 7	13 49	2 8	21 56	0 1	22 16	1 10	3 37	16 21	20 3	20 16	3 20	17 37	4 10	17 37
S 22	0 20	21 2	4 55	7 42	1 41	9 31	0 23	25 23	2 15	23 30	0 7	13 51	2 7	21 57	0 1	22 16	1 10	3 36	16 20	20 2	20 15	3 17	17 37	4 10	17 37
S 23	0s 3	16 17	5 5	7 7	1 45	10 0	0 20	25 25	2 14	23 30	0 7	13 53	2 7	21 57	0 1	22 16	1 10	3 35	16 20	20 0	20 15	3 14	17 36	4 10	17 36
M24	0 27	10 27	4 53	6 30	1 49	10 29	0 17	25 27	2 14	23 30	0 7	13 55	2 7	21 57	0 1	22 17	1 10	3 34	16 20	19 58	20 14	3 11	17 36	4 11	17 36
T 25	0 50	3 55	4 21	5 50	1 51	10 57	0 15	25 29	2 13	23 30	0 7	13 57	2 7	21 58	0 1	22 17	1 10	3 33	16 20	19 56	20 13	3 8	17 35	4 11	17 35
W26	1 14	2s52	3 30	5 10	1 52	11 26	0 12	25 30	2 13	23 30	0 7	13 59	2 7	21 58	0 1	22 17	1 10	3 32	16 19	19 55	20 13	3 5	17 35	4 11	17 35
T 27	1 37	9 25	2 25	4 28	1 52	11 54	0 9	25 32	2 12	23 29	0 7	14 1	2 7	21 58	0 1	22 17	1 10	3 31	16 19	19 54	20 12	3 2	17 34	4 12	17 34
F 28	2 0	15 18	1 11	3 45	1 52	12 22	0 6	25 33	2 12	23 29	0 7	14 2	2 6	21 58	0 1	22 17	1 9	3 30	16 19	19 53	20 11	2 59	17 34	4 12	17 34
S 29	2 24	20 10	0s 5	3 0	1 51	12 49	0 4	25 34	2 11	23 29	0 7	14 4	2 6	21 59	0 1	22 17	1 9	3 29	16 19	19 53	20 11	2 56	17 33	4 12	17 33
S 30	2s47	23s44	1s19	2n16	1n49	13s17	0n 1	25s35	2s11	23s29	0s 7	14s 6	2n 6	21s59	0n 1	22s17	1n 9	3n28	16n18	19n53	20n10	2s53	17n33	4s12	17n33

ASTRODIENST EPHEMERIS for the year 1984
geocentric

OCTOBER 1984

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 39 38	7♂59°32	27♂ 0	0♂19	6♂31	27♂ 5	4♂42	14♂21	10♂20	28♂47	1♂ 7	28♂46	0♂ 1	2♂53	8♂23	M 1
T 2	0 43 35	8°58'34	10♂ 2	2° 8	7°45	27°46	4°48	14°27	10°23	28°47	1° 9	28°R47	29♂58	3° 0	8♂22	T 2
W 3	0 47 31	9°57'37	22°42	3°56	8°58	28°27	4°54	14°33	10°25	28°48	1°11	28°46	29°55	3° 6	8°21	W 3
T 4	0 51 28	10°56'42	5♂ 7	5°44	10°11	29° 8	5° 0	14°40	10°27	28°49	1°13	28°43	29°52	3°13	8°20	T 4
F 5	0 55 24	11°55'48	17°18	7°32	11°25	29°50	5° 7	14°46	10°29	28°50	1°16	28°38	29°48	3°20	8°18	F 5
S 6	0 59 21	12°54'57	29°20	9°18	12°38	0♂31	5°13	14°52	10°32	28°50	1°18	28°31	29°45	3°26	8°17	S 6
S 7	1 3 17	13°54'07	11♂17	11° 5	13°51	1°12	5°20	14°59	10°34	28°51	1°20	28°23	29°42	3°33	8°15	S 7
M 8	1 7 14	14°53'19	23°10	12°50	15° 5	1°54	5°26	15° 5	10°36	28°52	1°23	28°14	29°39	3°40	8°14	M 8
T 9	1 11 10	15°52'33	5♂ 1	14°35	16°18	2°36	5°33	15°12	10°39	28°53	1°25	28° 6	29°36	3°46	8°12	T 9
W10	1 15 7	16°51'49	16°53	16°19	17°31	3°18	5°40	15°18	10°41	28°54	1°27	27°59	29°33	3°53	8°11	W10
T11	1 19 3	17°51'07	28°46	18° 3	18°44	4° 0	5°48	15°25	10°44	28°55	1°30	27°54	29°29	4° 0	8° 9	T11
F12	1 23 0	18°50'27	10♂44	19°46	19°58	4°42	5°55	15°32	10°47	28°56	1°32	27°50	29°26	4° 7	8° 7	F12
S13	1 26 57	19°49'50	22°47	21°28	21°11	5°24	6° 2	15°38	10°49	28°57	1°34	27°D49	29°23	4°13	8° 5	S13
S14	1 30 53	20°49'14	4♂59	23° 9	22°24	6° 6	6°10	15°45	10°52	28°58	1°37	27°49	29°20	4°20	8° 3	S14
M15	1 34 50	21°48'41	17°22	24°50	23°37	6°48	6°18	15°52	10°54	28°59	1°39	27°50	29°17	4°27	8° 1	M15
T16	1 38 46	22°48'11	29°59	26°30	24°50	7°31	6°26	15°59	10°57	29° 1	1°42	27°52	29°13	4°33	7°59	T16
W17	1 42 43	23°47'42	12♂56	28° 9	26° 3	8°13	6°34	16° 6	11° 0	29° 2	1°44	27°53	29°10	4°40	7°57	W17
T18	1 46 39	24°47'16	26°14	29°48	27°16	8°56	6°42	16°12	11° 3	29° 3	1°46	27°R53	29° 7	4°47	7°55	T18
F19	1 50 36	25°46'52	9♂55	1♂26	28°29	9°39	6°50	16°19	11° 6	29° 4	1°49	27°53	29° 4	4°53	7°53	F19
S20	1 54 32	26°46'31	24° 2	3° 3	29°42	10°22	6°59	16°26	11° 8	29° 5	1°51	27°50	29° 1	5° 0	7°51	S20
S21	1 58 29	27°46'11	8♂33	4°40	0♂56	11° 5	7° 7	16°33	11°11	29° 7	1°54	27°47	28°58	5° 7	7°49	S21
M22	2 2 26	28°45'54	23°24	6°16	2° 9	11°48	7°16	16°40	11°14	29° 8	1°56	27°43	28°54	5°14	7°46	M22
T23	2 6 22	29°45'39	8♂29	7°51	3°22	12°31	7°25	16°47	11°17	29° 9	1°59	27°39	28°51	5°20	7°44	T23
W24	2 10 19	0♂45'26	23°38	9°26	4°35	13°14	7°34	16°54	11°20	29°11	2° 1	27°35	28°48	5°27	7°41	W24
T25	2 14 15	1°45'16	8♂41	11° 1	5°47	13°58	7°43	17° 1	11°23	29°12	2° 3	27°33	28°45	5°34	7°39	T25
F26	2 18 12	2°45'07	23°30	12°35	7° 0	14°41	7°52	17° 8	11°26	29°14	2° 6	27°D32	28°42	5°40	7°36	F26
S27	2 22 8	3°45'00	7♂57	14° 8	8°13	15°25	8° 2	17°15	11°29	29°15	2° 8	27°32	28°39	5°47	7°34	S27
S28	2 26 5	4°44'55	21°59	15°41	9°26	16° 8	8°11	17°22	11°32	29°16	2°11	27°33	28°35	5°54	7°31	S28
M29	2 30 1	5°44'51	5♂34	17°13	10°39	16°52	8°21	17°29	11°36	29°18	2°13	27°35	28°32	6° 0	7°29	M29
T30	2 33 58	6°44'50	18°42	18°45	11°52	17°36	8°30	17°36	11°39	29°20	2°16	27°36	28°29	6° 7	7°26	T30
W31	2 37 55	7♂44'50	1♂28	20♂17	13♂ 5	18♂20	8♂40	17♂43	11♂42	29♂21	2♂18	27♂37	28♂26	6♂14	7♂23	W31

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
M 1	3s10	25s51	2s26	1n30	1n47	13s44	0s 2	25s35	2s10	23s29	0s 8	14s 8	2n 6	21s59	0n 1	22s17
T 2	3 34	26 27	3 23	0 45	1 44	14 10	0 5	25 35	2 10	23 29	0 8	14 10	2 6	22 0	0 1	22 17
W 3	3 57	25 38	4 9	0s 1	1 41	14 37	0 8	25 35	2 9	23 29	0 8	14 12	2 6	22 0	0 1	22 17
T 4	4 20	23 33	4 42	0 48	1 37	15 3	0 11	25 35	2 9	23 29	0 8	14 14	2 6	22 0	0 1	22 17
F 5	4 43	20 26	5 2	1 34	1 33	15 29	0 14	25 35	2 8	23 29	0 8	14 16	2 5	22 1	0 1	22 17
S 6	5 6	16 30	5 8	2 20	1 28	15 54	0 17	25 34	2 8	23 28	0 8	14 18	2 5	22 1	0 1	22 17
S 7	5 29	11 57	5 0	3 6	1 23	16 19	0 20	25 34	2 7	23 28	0 8	14 20	2 5	22 1	0 1	22 17
M 8	5 52	7 0	4 40	3 52	1 18	16 43	0 23	25 32	2 7	23 28	0 8	14 22	2 5	22 2	0 1	22 17
T 9	6 15	1 47	4 7	4 38	1 13	17 7	0 26	25 31	2 6	23 28	0 8	14 24	2 5	22 2	0 1	22 17
W10	6 38	3n30	3 24	5 23	1 7	17 31	0 29	25 30	2 6	23 28	0 8	14 26	2 5	22 2	0 1	22 17
T11	7 0	8 41	2 31	6 8	1 1	17 54	0 32	25 28	2 5	23 27	0 8	14 28	2 5	22 3	0 1	22 17
F12	7 23	13 36	1 32	6 53	0 55	18 17	0 35	25 26	2 4	23 27	0 9	14 30	2 5	22 3	0 1	22 17
S13	7 45	18 2	0 27	7 37	0 49	18 40	0 38	25 24	2 4	23 27	0 9	14 32	2 4	22 4	0 1	22 18
S14	8 8	21 46	0n39	8 20	0 43	19 2	0 41	25 21	2 3	23 27	0 9	14 34	2 4	22 4	0 1	22 18
M15	8 30	24 35	1 45	9 3	0 36	19 23	0 44	25 18	2 3	23 26	0 9	14 36	2 4	22 4	0 1	22 18
T16	8 52	26 13	2 47	9 46	0 30	19 44	0 46	25 16	2 2	23 26	0 9	14 39	2 4	22 5	0 1	22 18
W17	9 14	26 29	3 42	10 28	0 23	20 4	0 49	25 12	2 1	23 26	0 9	14 41	2 4	22 5	0 1	22 18
T18	9 36	25 16	4 27	11 9	0 16	20 24	0 52	25 9	2 1	23 25	0 9	14 43	2 4	22 6	0 1	22 18
F19	9 58	22 32	4 58	11 49	0 9	20 44	0 55	25 5	2 0	23 25	0 9	14 45	2 4	22 6	0 1	22 18
S20	10 19	18 25	5 12	12 29	0 3	21 2	0 58	25 1	1 59	23 25	0 9	14 47	2 4	22 6	0 1	22 18
S21	10 41	13 6	5 7	13 9	0s 4	21 21	1 1	24 57	1 59	23 24	0 9	14 49	2 4	22 7	0 1	22 18
M22	11 2	6 56	4 42	13 47	0 11	21 38	1 4	24 53	1 58	23 24	0 9	14 51	2 4	22 7	0 1	22 18
T23	11 23	0 16	3 57	14 25	0 18	21 55	1 7	24 48	1 57	23 24	0 9	14 53	2 3	22 8	0 1	22 18
W24	11 44	6s27	2 55	15 2	0 25	22 12	1 10	24 43	1 57	23 23	0 10	14 55	2 3	22 8	0 1	22 18
T25	12 5	12 47	1 42	15 38	0 31	22 28	1 12	24 38	1 56	23 23	0 10	14 57	2 3	22 8	0 1	22 18
F26	12 26	18 18	0 22	16 13	0 38	22 43	1 15	24 33	1 55	23 22	0 10	14 59	2 3	22 9	0 1	22 18
S27	12 46	22 35	0s57	16 48	0 45	22 58	1 18	24 27	1 55	23 22	0 10	15 1	2 3	22 9	0 1	22 18
S28	13 6	25 22	2 11	17 21	0 51	23 12	1 21	24 21	1 54	23 21	0 10	15 3	2 3	22 10	0 1	22 18
M29	13 26	26 34	3 14	17 54	0 58	23 25	1 23	24 15	1 53	23 21	0 10	15 5	2 3	22 10	0 0	22 18
T30	13 46	26 12	4 6	18 26	1 4	23 38	1 26	24 8	1 52	23 20	0 10	15 7	2 3	22 11	0 0	22 18
W31	14s 6	24s26	4s43	18s57	1s10	23s50	1s29	24s 2	1s52	23s20	0s10	15s 9	2n 3	22s11	0n 0	22s18

Julian Day Number = 2445974.5, Delta T = 54.22 sec
Ecliptic obliquity = 23°26'34", Nutation = - 0°00'15", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°31'38", Lahiri = 23°38'39"

ASTRODIENST EPHEMERIS for the year 1984

geocentric

NOVEMBER 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 51	8♈44'51	13♏54	21♈48	14♏17	19♏4	8♏50	17♈50	11♏45	29♏23	2♈20	27°R37	28♏23	6♈20	7°R20	T 1
F 2	2 45 48	9°44'54	26°4	23°18	15°30	19°48	9°0	17°58	11°48	29°24	2°23	27♏36	28°19	6°27	7♈17	F 2
S 3	2 49 44	10°44'59	8♈4	24°48	16°43	20°32	9°10	18°5	11°52	29°26	2°25	27°35	28°16	6°34	7°15	S 3
S 4	2 53 41	11°45'05	19°58	26°18	17°56	21°16	9°21	18°12	11°55	29°28	2°28	27°32	28°13	6°41	7°12	S 4
M 5	2 57 37	12°45'13	1♈48	27°47	19°8	22°0	9°31	18°19	11°58	29°29	2°30	27°30	28°10	6°47	7°9	M 5
T 6	3 1 34	13°45'22	13°40	29°15	20°21	22°45	9°41	18°26	12°2	29°31	2°32	27°28	28°7	6°54	7°6	T 6
W 7	3 5 30	14°45'33	25°34	0♏43	21°33	23°29	9°52	18°33	12°5	29°33	2°35	27°26	28°4	7°1	7°3	W 7
T 8	3 9 27	15°45'46	7♏34	2°11	22°46	24°13	10°3	18°41	12°8	29°34	2°37	27°24	28°0	7°7	7°0	T 8
F 9	3 13 24	16°46'01	19°42	3°38	23°58	24°58	10°13	18°48	12°12	29°36	2°40	27°24	27°57	7°14	6°57	F 9
S 10	3 17 20	17°46'17	1♈58	5°4	25°11	25°43	10°24	18°55	12°15	29°38	2°42	27°D24	27°54	7°21	6°54	S 10
S 11	3 21 17	18°46'35	14°25	6°30	26°23	26°27	10°35	19°2	12°19	29°40	2°44	27°24	27°51	7°27	6°50	S 11
M12	3 25 13	19°46'55	27°4	7°55	27°36	27°12	10°46	19°9	12°22	29°42	2°47	27°25	27°48	7°34	6°47	M12
T 13	3 29 10	20°47'17	9♏56	9°20	28°48	27°56	10°58	19°16	12°25	29°43	2°49	27°25	27°45	7°41	6°44	T 13
W14	3 33 6	21°47'41	23°2	10°43	0♏0	28°41	11°9	19°24	12°29	29°45	2°51	27°26	27°41	7°47	6°41	W14
T 15	3 37 3	22°48'07	6♏25	12°6	1°13	29°26	11°20	19°31	12°32	29°47	2°54	27°27	27°38	7°54	6°38	T 15
F 16	3 40 59	23°48'35	20°4	13°28	2°25	0♏11	11°32	19°38	12°36	29°49	2°56	27°R27	27°35	8°1	6°34	F 16
S 17	3 44 56	24°49'04	4♈1	14°49	3°37	0°56	11°43	19°45	12°40	29°51	2°58	27°27	27°32	8°8	6°31	S 17
S 18	3 48 53	25°49'35	18°16	16°8	4°49	1°41	11°55	19°52	12°43	29°53	3°0	27°27	27°29	8°14	6°28	S 18
M19	3 52 49	26°50'08	2♈44	17°26	6°1	2°26	12°6	20°0	12°47	29°55	3°3	27°26	27°25	8°21	6°24	M19
T 20	3 56 46	27°50'43	17°24	18°43	7°13	3°11	12°18	20°7	12°50	29°57	3°5	27°D26	27°22	8°28	6°21	T 20
W21	4 0 42	28°51'20	2♈9	19°58	8°25	3°56	12°30	20°14	12°54	29°59	3°7	27°27	27°19	8°34	6°18	W21
T 22	4 4 39	29°51'58	16°53	21°11	9°37	4°41	12°42	20°21	12°57	0♏1	3°9	27°27	27°16	8°41	6°14	T 22
F 23	4 8 35	0♏52'38	1♏28	22°21	10°49	5°26	12°54	20°28	13°1	0°3	3°12	27°R27	27°13	8°48	6°11	F 23
S 24	4 12 32	1°53'19	15°49	23°30	12°1	6°12	13°6	20°35	13°5	0°5	3°14	27°27	27°10	8°54	6°8	S 24
S 25	4 16 28	2°54'02	29°50	24°35	13°13	6°57	13°18	20°42	13°8	0°7	3°16	27°26	27°6	9°1	6°4	S 25
M26	4 20 25	3°54'46	13♏28	25°37	14°24	7°42	13°30	20°49	13°12	0°9	3°18	27°25	27°3	9°8	6°1	M26
T 27	4 24 22	4°55'31	26°42	26°35	15°36	8°28	13°43	20°56	13°16	0°11	3°20	27°24	27°0	9°14	5°58	T 27
W28	4 28 18	5°56'17	9♏33	27°29	16°48	9°13	13°55	21°3	13°19	0°13	3°23	27°23	26°57	9°21	5°54	W28
T 29	4 32 15	6°57'04	22°3	28°18	17°59	9°59	14°8	21°10	13°23	0°15	3°25	27°23	26°54	9°28	5°51	T 29
F 30	4 36 11	7♏57'52	4♈16	29♏1	19♏11	10♏44	14♏20	21♈17	13♏27	0♏18	3♈27	27°D22	26♏51	9♈35	5♈47	F 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
T 1	14s25	21s33	5s 7	19s27	1s17	24s 2	1s31	23s55	1s51	23s19	0s10	15s11	2n 3	22s11	0n 0	22s18	1n 8	3n 0	16n15	19n38	19n48	1s13	17n13	4s23	2n 3
F 2	14 44	17 46	5 15	19 56	1 23	24 12	1 34	23 48	1 50	23 18	0 10	15 13	2 3	22 12	0 0	22 18	1 8	3 0	16 15	19 38	19 47	1 10	17 12	4 23	2 3
S 3	15 3	13 20	5 10	20 24	1 29	24 22	1 36	23 41	1 49	23 18	0 10	15 15	2 3	22 12	0 0	22 19	1 8	2 59	16 15	19 37	19 47	1 6	17 12	4 23	2 3
S 4	15 22	8 27	4 52	20 51	1 34	24 32	1 39	23 33	1 49	23 17	0 10	15 17	2 3	22 13	0 0	22 19	1 8	2 58	16 15	19 37	19 46	1 3	17 11	4 23	2 3
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T 6	15 58	2n 2	3 39	21 43	1 45	24 48	1 43	23 17	1 47	23 16	0 11	15 21	2 3	22 14	0 0	22 19	1 8	2 57	16 16	19 36	19 45	0 57	17 10	4 24	2 3
W 7	16 16	7 17	2 47	22 7	1 51	24 56	1 45	23 9	1 46	23 15	0 11	15 23	2 2	22 14	0 0	22 19	1 8	2 56	16 16	19 35	19 44	0 54	17 9	4 24	2 3
T 8	16 34	12 20	1 48	22 29	1 56	25 2	1 48	23 0	1 45	23 14	0 11	15 25	2 2	22 15	0 0	22 19	1 8	2 56	16 16	19 35	19 43	0 51	17 8	4 24	2 3
F 9	16 51	16 59	0 43	22 51	2 1	25 8	1 50	22 51	1 45	23 14	0 11	15 27	2 2	22 15	0 0	22 19	1 8	2 55	16 16	19 35	19 42	0 48	17 7	4 25	2 3
S 10	17 8	20 58	0n25	23 12	2 5	25 13	1 52	22 42	1 44	23 13	0 11	15 29	2 2	22 16	0 0	22 19	1 8	2 54	16 16	19 35	19 42	0 44	17 7	4 25	2 3
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M12	17 41	26 2	2 37	23 50	2 13	25 21	1 56	22 24	1 42	23 11	0 11	15 33	2 2	22 16	0 0	22 19	1 8	2 53	16 16	19 35	19 40	0 38	17 5	4 25	2 3
T 13	17 57	26 38	3 35	24 7	2 17	25 24	1 58	22 14	1 41	23 10	0 11	15 35	2 2	22 17	0 0	22 19	1 8	2 52	16 16	19 35	19 40	0 35	17 5	4 25	2 3
W14	18 13	25 47	4 22	24 22	2 20	25 26	2 0	22 4	1 41	23 10	0 11	15 37	2 2	22 17	0 0	22 19	1 8	2 52	16 17	19 35	19 39	0 32	17 4	4 26	2 3
T 15	18 28	23 27	4 56	24 37	2 24	25 28	2 1	21 54	1 40	23 9	0 11	15 39	2 2	22 18	0 0	22 19	1 8	2 51	16 17	19 35	19 38	0 29	17 3	4 26	2 3
F 16	18 44	19 46	5 15	24 50	2 26	25 28	2 3	21 44	1 39	23 8	0 11	15 41	2 2	22 18	0 0	22 19	1 8	2 51	16 17	19 36	19 37	0 25	17 2	4 26	2 3
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S 18	19 13	9 12	4 57	25 13	2 30	25 27	2 6	21 22	1 37	23 6	0 12	15 45	2 2	22 19	0 0	22 19	1 7	2 49	16 17	19 35	19 36	0 19	17 1	4 26	2 3
M19	19 27	2 53	4 19	25 22	2 32	25 26	2 8	21 11	1 36	23 5	0 12	15 47	2 2	22 20	0 0	22 19	1 7	2 49	16 17	19 35	19 35	0 16	17 0	4 26	2 3
T 20	19 41	3s41	3 25	25 30	2 33	25 24	2 9	21 0	1 36	23 4	0 12	15 49	2 2	22 20	0 0	22 19	1 7	2 48	16 18	19 35	19 35	0 13	17 0	4 26	2 3
W21	19 54	10 6	2 16	25 36	2 33	25 21	2 10	20 48	1 35	23 3	0 12	15 51	2 2	22 21	0 0	22 19	1 7	2 48	16 18	19 35	19 34	0 10	16 59	4 27	2 3
T 22	20 7	15 57	0 58	25 41	2 33	25 17	2 12	20 37	1 34	23 2	0 12	15 52	2 2	22 21	0 0	22 19	1 7	2 47	16 18	19 36	19 33	0 6	16 58	4 27	2 3
F 23	20 20	20 49	0s22	25 45	2 32	25 12	2 13	20 25	1 33	23 1	0 12	15 54	2 2	22 22	0 0	22 19	1 7	2 47	16 18	19 36	19 32	0 3	16 58	4 27	2 3
S 24	20 33	24 21	1 40	25 47	2 30	25 7	2 14	20 13	1 32	23 0	0 12	15 56	2 2	22 22	0 0	22 19	1 7	2 46	16 18	19 35	19 31	0 0	16 57	4 27	2 3
S 25	20 45	26 17	2 50	25 48	2 28	25 1	2 15	20 1	1 31	22 59	0 12	15 58	2 2	22 22	0 0	22 19	1 7	2 46	16 19	19 35	19 30	0n 3	16 56	4 27	2 3
M26	20 56	26 33	3 49	25 47	2 25	24 55	2 16	19 48	1 30	22 57	0 12	16 0	2 2	22 23	0 0	22 19	1 7	2 45	16 19	19 35	19 30	0 6	16 56	4 27	2 3
T 27	21 7	25 17	4 33	25 45	2 21	24 47	2 16	19 35	1 30	22 56	0 12	16 2	2 2	22 23	0 0	22 19	1 7	2 45	16 19	19 35	19 29	0 9	16 55	4 27	2 3
W28	21 18	22 42	5 2	25 41	2 16	24 39	2 17	19 23	1 29	22 55	0 12	16 3	2 2	22 24	0 0	22 19	1 7	2 45	16 20	19 35	19 29	0 13	16 54	4 28	2 3
T 29	21 28	19 8	5 16	25 36	2 10	24 30	2 18	19 10	1 28	22 54	0 12	16 5	2 2	22 24	0 0	22 19	1 7	2 44	16 20	19 35	19 28	0 16	16 54	4 28	2 3
F 30	21s38	14s49	5s15	25s29	2s 3	24s21	2s18	18s56	1s27	22s53	0s12	16s 7	2n 2	22s25	0n 0	22s19	1n 7	2n44	16n20	19n35	19n27	0n19	16n53	4s28	2n 3

ASTRODIENST EPHEMERIS for the year 1984

geocentric

DECEMBER 1984

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 40 8	8♂58'41	16♂17	29♂38	20♂22	11♂30	14♂33	21♂24	13♂30	0♂20	3♂29	27♂22	26♂47	9♂41	5♂R44	S 1
S 2	4 44 4	9°59'31	28°10	0♂9	21°33	12°15	14°45	21°31	13°34	0°22	3°31	27°23	26°44	9°48	5♂41	S 2
M 3	4 48 1	11° 0'22	10♂1	0°31	22°44	13° 1	14°58	21°38	13°38	0°24	3°33	27°24	26°41	9°55	5°37	M 3
T 4	4 51 57	12° 1'13	21°52	0°44	23°56	13°46	15°11	21°45	13°41	0°26	3°35	27°26	26°38	10° 1	5°34	T 4
W 5	4 55 54	13° 2'06	3♂50	0°R49	25° 7	14°32	15°24	21°52	13°45	0°28	3°37	27°27	26°35	10° 8	5°31	W 5
T 6	4 59 51	14° 2'59	15°56	0°42	26°18	15°18	15°37	21°59	13°49	0°31	3°39	27°28	26°31	10°15	5°27	T 6
F 7	5 3 47	15° 3'53	28°15	0°25	27°28	16° 3	15°49	22° 6	13°52	0°33	3°41	27°R28	26°28	10°21	5°24	F 7
S 8	5 7 44	16° 4'49	10♂46	29♂57	28°39	16°49	16° 2	22°13	13°56	0°35	3°43	27°28	26°25	10°28	5°21	S 8
S 9	5 11 40	17° 5'45	23°33	29°17	29°50	17°35	16°16	22°19	14° 0	0°37	3°45	27°26	26°22	10°35	5°17	S 9
M10	5 15 37	18° 6'42	6♂34	28°26	1♂0	18°20	16°29	22°26	14° 3	0°39	3°47	27°24	26°19	10°41	5°14	M10
T 11	5 19 33	19° 7'40	19°50	27°25	2°11	19° 6	16°42	22°33	14° 7	0°42	3°49	27°20	26°16	10°48	5°11	T 11
W12	5 23 30	20° 8'40	3♂19	26°15	3°21	19°52	16°55	22°39	14°11	0°44	3°50	27°17	26°12	10°55	5° 8	W12
T 13	5 27 27	21° 9'40	16°59	24°59	4°32	20°37	17° 8	22°46	14°14	0°46	3°52	27°14	26° 9	11° 1	5° 4	T 13
F 14	5 31 23	22°10'41	0♂49	23°37	5°42	21°23	17°22	22°53	14°18	0°48	3°54	27°11	26° 6	11° 8	5° 1	F 14
S 15	5 35 20	23°11'43	14°48	22°14	6°52	22° 9	17°35	22°59	14°22	0°51	3°56	27°10	26° 3	11°15	4°58	S 15
S 16	5 39 16	24°12'46	28°54	20°52	8° 2	22°55	17°48	23° 6	14°25	0°53	3°58	27°D 9	26° 0	11°21	4°55	S 16
M17	5 43 13	25°13'51	13♂6	19°34	9°11	23°41	18° 2	23°12	14°29	0°55	3°59	27°10	25°57	11°28	4°52	M17
T 18	5 47 9	26°14'56	27°21	18°22	10°21	24°26	18°15	23°19	14°32	0°57	4° 1	27°12	25°53	11°35	4°49	T 18
W19	5 51 6	27°16'02	11♂38	17°18	11°31	25°12	18°29	23°25	14°36	1° 0	4° 3	27°13	25°50	11°42	4°45	W19
T 20	5 55 2	28°17'09	25°53	16°24	12°40	25°58	18°42	23°31	14°40	1° 2	4° 4	27°R14	25°47	11°48	4°42	T 20
F 21	5 58 59	29°18'16	10♂2	15°40	13°49	26°44	18°56	23°38	14°43	1° 4	4° 6	27°13	25°44	11°55	4°39	F 21
S 22	6 2 56	0♂19'25	24° 2	15° 7	14°59	27°30	19° 9	23°44	14°47	1° 6	4° 7	27°11	25°41	12° 2	4°36	S 22
S 23	6 6 52	1°20'34	7♂48	14°44	16° 8	28°16	19°23	23°50	14°50	1° 9	4° 9	27° 7	25°37	12° 8	4°33	S 23
M24	6 10 49	2°21'43	21°18	14°33	17°17	29° 1	19°37	23°56	14°54	1°11	4°11	27° 1	25°34	12°15	4°31	M24
T 25	6 14 45	3°22'52	4♂28	14°D31	18°25	29°47	19°51	24° 2	14°58	1°13	4°12	26°55	25°31	12°22	4°28	T 25
W26	6 18 42	4°24'02	17°19	14°38	19°34	0♂33	20° 4	24° 9	15° 1	1°16	4°13	26°48	25°28	12°28	4°25	W26
T 27	6 22 38	5°25'12	29°51	14°55	20°42	1°19	20°18	24°15	15° 5	1°18	4°15	26°42	25°25	12°35	4°22	T 27
F 28	6 26 35	6°26'21	12♂6	15°19	21°50	2° 5	20°32	24°21	15° 8	1°20	4°16	26°38	25°22	12°42	4°19	F 28
S 29	6 30 31	7°27'31	24° 8	15°50	22°58	2°51	20°46	24°26	15°12	1°22	4°18	26°35	25°18	12°48	4°17	S 29
S 30	6 34 28	8°28'40	6♂1	16°27	24° 6	3°37	21° 0	24°32	15°15	1°25	4°19	26°D34	25°15	12°55	4°14	S 30
M31	6 38 25	9♂29'50	17♂51	17°10	25°14	4♂23	21°31	24°38	15°19	1♂27	4♂20	26°B34	25°12	13°Y 2	4°II1	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	decl	lat
S 1	21s48	10s 1	5s 0	25s21	1s55	24s11	2s18	18s43	1s26	22s51	0s13	16s 9	2n 2	22s25	0n 0	22s19	1n 7	2n43	16n20	19n35	19n27	0n22	16n52	4s28	
S 2	21 57	4 53	4 32	25 12	1 45	24 0	2 19	18 29	1 25	22 50	0 13	16 11	2 2	22 26	0 0	22 19	1 7	2 43	16 21	19 35	19 26	0 25	16 52	4 28	
M 3	22 6	0n23	3 53	25 1	1 34	23 48	2 19	18 15	1 24	22 49	0 13	16 12	2 2	22 26	0 0	22 19	1 7	2 43	16 21	19 35	19 25	0 28	16 51	4 28	
T 4	22 14	5 40	3 4	24 49	1 22	23 36	2 19	18 1	1 23	22 47	0 13	16 14	2 2	22 27	0 0	22 19	1 7	2 42	16 21	19 35	19 24	0 32	16 50	4 28	
W 5	22 22	10 48	2 7	24 35	1 9	23 24	2 19	17 47	1 22	22 46	0 13	16 16	2 2	22 27	0 0	22 19	1 7	2 42	16 22	19 36	19 24	0 35	16 50	4 28	
T 6	22 29	15 36	1 3	24 20	0 54	23 10	2 19	17 33	1 22	22 45	0 13	16 18	2 2	22 28	0 0	22 19	1 7	2 42	16 22	19 36	19 23	0 38	16 49	4 28	
F 7	22 36	19 50	0n 4	24 4	0 37	22 56	2 19	17 19	1 21	22 43	0 13	16 19	2 3	22 28	0 0	22 19	1 7	2 41	16 22	19 36	19 22	0 41	16 48	4 28	
S 8	22 43	23 16	1 13	23 46	0 20	22 41	2 18	17 4	1 20	22 42	0 13	16 21	2 3	22 28	0 0	22 19	1 7	2 41	16 23	19 36	19 21	0 44	16 48	4 28	
S 9	22 49	25 36	2 19	23 27	0 1	22 26	2 18	16 49	1 19	22 40	0 13	16 23	2 3	22 29	0 0	22 19	1 7	2 41	16 23	19 35	19 21	0 47	16 47	4 28	
M10	22 55	26 36	3 19	23 7	0n19	22 10	2 17	16 34	1 18	22 39	0 13	16 24	2 3	22 29	0 0	22 19	1 7	2 41	16 23	19 35	19 20	0 51	16 47	4 28	
T 11	23 0	26 5	4 10	22 46	0 39	21 54	2 17	16 19	1 17	22 37	0 13	16 26	2 3	22 30	0 0	22 19	1 7	2 40	16 24	19 34	19 19	0 54	16 46	4 28	
W12	23 5	24 4	4 47	22 24	0 59	21 37	2 16	16 4	1 16	22 36	0 13	16 28	2 3	22 30	0 0	22 19	1 7	2 40	16 24	19 33	19 18	0 57	16 45	4 28	
T 13	23 9	20 39	5 9	22 2	1 19	21 19	2 15	15 48	1 15	22 34	0 13	16 29	2 3	22 31	0 0	22 19	1 7	2 40	16 24	19 33	19 18	1 0	16 45	4 28	
F 14	23 13	16 4	5 13	21 39	1 38	21 1	2 14	15 33	1 14	22 32	0 14	16 31	2 3	22 31	0 0	22 19	1 7	2 40	16 25	19 32	19 17	1 3	16 44	4 28	
S 15	23 16	10 35	4 59	21 17	1 56	20 42	2 13	15 17	1 13	22 31	0 14	16 32	2 3	22 31	0 0	22 19	1 7	2 39	16 25	19 32	19 16	1 6	16 44	4 28	
S 16	23 19	4 31	4 27	20 56	2 12	20 23	2 11	15 1	1 12	22 29	0 14	16 34	2 3	22 32	0 0	22 19	1 7	2 39	16 26	19 32	19 15	1 10	16 43	4 28	
M17	23 21	1s49	3 39	20 37	2 25	20 3	2 10	14 45	1 11	22 27	0 14	16 35	2 3	22 32	0 0	22 19	1 7	2 39	16 26	19 32	19 15	1 13	16 43	4 28	
T 18	23 23	8 6	2 37	20 20	2 37	19 43	2 9	14 29	1 10	22 26	0 14	16 37	2 3	22 33	0 0	22 19	1 7	2 39	16 26	19 32	19 14	1 16	16 42	4 28	
W19	23 25	13 59	1 24	20 5	2 46	19 22	2 7	14 13	1 10	22 24	0 14	16 38	2 3	22 33	0 0	22 19	1 7	2 39	16 27	19 32	19 13	1 19	16 42	4 28	
T 20	23 26	19 6	0 7	19 53	2 53	19 1	2 5	13 56	1 9	22 22	0 14	16 40	2 3	22 34	0 0	22 19	1 7	2 39	16 27	19 33	19 12	1 22	16 41	4 28	
F 21	23 26	23 6	1s 9	19 44	2 57	18 39	2 3	13 40	1 8	22 20	0 14	16 41	2 3	22 34	0 0	22 19	1 7	2 39	16 28	19 33	19 12	1 26	16 41	4 28	
S 22	23 27	25 40	2 21	19 38	3 0	18 17	2 1	13 23	1 7	22 18	0 14	16 43	2 3	22 34	0s 0	22 19	1 7	2 38	16 28	19 32	19 11	1 29	16 40	4 28	
S 23	23 26	26 36	3 23	19 35	3 0	17 54	1 59	13 7	1 6	22 17	0 14	16 44	2 4	22 35	0 0	22 19	1 7	2 38	16 29	19 31	19 10	1 32	16 40	4 28	
M24	23 25	25 55	4 13	19 35	2 59	17 31	1 57	12 50	1 5	22 15	0 14	16 46	2 4	22 35	0 0	22 19	1 7	2 38	16 29	19 30	19 9	1 35	16 39	4 28	
T 25	23 24	23 47	4 47	19 37	2 56	17 8	1 55	12 33	1 4	22 13	0 14	16 47	2 4	22 36	0 0	22 19	1 7	2 38	16 30	19 28	19 9	1 38	16 39	4 28	
W26	23 22	20 30	5 6	19 42	2 52	16 44	1 52	12 16	1 3	22 11	0 15	16 49	2 4	22 36	0 0	22 19	1 7	2 38	16 30	19 27	19 8	1 42	16 38	4 28	
T 27	23 20	16 21	5 10	19 49	2 47	16 20	1 50	11 59	1 2	22 9	0 15	16 50	2 4	22 36	0 0	22 19	1 7	2 38	16 30	19 25	19 7	1 45	16 38	4 28	
F 28	23 17	11 38	4 59	19 57	2 41	15 55	1 47	11 41	1 1	22 7	0 15	16 51	2 4	22 37	0 0	22 19	1 7	2 38	16 31	19 24	19 6	1 48	16 38	4 28	
S 29	23 14	6 33	4 35	20 7	2 35	15 30	1 44	11 24	1 0	22 5	0 15	16 53	2 4	22 37	0 0	22 19	1 7	2 38	16 31	19 24	19 6	1 51	16 37	4 28	
S 30	23 10	1 17	4 0	20 18	2 28	15 5	1 41	11 6	0 59	22 3	0 15	16 54	2 4	22 38	0 0	22 19	1 7	2 38	16 32	19 23	19 5	1 54	16 37	4 27	
M31	23s 6	4n 0	3s15	20s30	2n20	14s39	1s38	10s49	0s58	22s 1	0s15	16s55	2n 4	22s38	0s 0	22s19	1n 7	2n38	16n32	19n23	19n 4	1n57	16n36	4s27	