



Astrodienst Ephemeris Tables for the year 2085

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 2085

geocentric

JANUARY 2085

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 45 28	11°15'53	15°12'12	27°26'26	25°27'44	14°8'2	10°R29	28°18'18	19°47'47	13°R45	17°24'24	11°R 5	11°15'1	1°15'58	0°R25	M 1
T 2	6 49 24	12°17'03	29°15'15	28°56'26	26°59'14	14°16'10	10°20'20	28°22'22	19°50'50	13°43'43	17°24'24	11°15'4	10°58'58	2°4'4	0°11'23	T 2
W 3	6 53 21	13°18'12	12°15'53	0°27'27	28°15'14	14°29'10	10°12'12	28°25'25	19°53'53	13°42'42	17°24'24	11°15'4	10°55'55	2°11'11	0°20'20	W 3
T 4	6 57 17	14°19'21	26°8'8	1°58'58	29°30'30	14°44'10	10°4'4	28°29'29	19°56'56	13°40'40	17°24'24	11°5'5	10°52'52	2°18'18	0°18'18	T 4
F 5	7 1 14	15°20'30	9°8'3	3°30'30	0°45'45	14°59'9	9°56'56	28°33'33	19°59'59	13°39'39	17°24'24	11°5'5	10°49'49	2°24'24	0°16'16	F 5
S 6	7 5 11	16°21'38	21°40'40	5°2'2	2°1'1	15°14'14	9°48'48	28°36'36	20°2'2	13°38'38	17°24'24	11°5'5	10°45'45	2°31'31	0°14'14	S 6
S 7	7 9 7	17°22'46	4°11'3	6°34'34	3°16'16	15°30'30	9°40'40	28°40'40	20°5'5	13°36'36	17°24'24	11°6'6	10°42'42	2°38'38	0°12'12	S 7
M 8	7 13 4	18°23'54	16°14'14	8°7'7	4°31'31	15°46'46	9°32'32	28°44'44	20°8'8	13°35'35	17°24'24	11°7'7	10°39'39	2°44'44	0°10'10	M 8
T 9	7 17 0	19°25'02	28°15'15	9°40'40	5°47'47	16°3'3	9°24'24	28°48'48	20°11'11	13°33'33	17°24'24	11°7'7	10°36'36	2°51'51	0°8'8	T 9
W10	7 20 57	20°26'09	10°21'11	11°13'13	7°2'2	16°20'20	9°16'16	28°52'52	20°14'14	13°32'32	17°25'25	11°R 8	10°33'33	2°58'58	0°7'7	W10
T 11	7 24 53	21°27'16	22°2'2	12°47'47	8°17'17	16°38'38	9°9'9	28°57'57	20°18'18	13°30'30	17°25'25	11°7'7	10°30'30	3°4'4	0°5'5	T 11
F 12	7 28 50	22°28'23	3°12'51	14°22'22	9°33'33	16°57'57	9°1'1	29°1'1	20°21'21	13°29'29	17°25'25	11°6'6	10°26'26	3°11'11	0°3'3	F 12
S 13	7 32 46	23°29'29	15°39'39	15°57'57	10°48'48	17°15'15	8°53'53	29°5'5	20°24'24	13°27'27	17°25'25	11°5'5	10°23'23	3°18'18	0°2'2	S 13
S 14	7 36 43	24°30'36	27°30'30	17°32'32	12°4'4	17°34'34	8°46'46	29°10'10	20°27'27	13°25'25	17°26'26	11°3'3	10°20'20	3°24'24	0°0'0	S 14
M15	7 40 40	25°31'42	9°12'25	19°8'8	13°19'19	17°54'54	8°38'38	29°14'14	20°30'30	13°24'24	17°26'26	11°1'1	10°17'17	3°31'31	29°59'59	M15
T 16	7 44 36	26°32'47	21°27'27	20°44'44	14°34'34	18°14'14	8°31'31	29°19'19	20°34'34	13°22'22	17°26'26	10°58'58	10°14'14	3°38'38	29°57'57	T 16
W17	7 48 33	27°33'53	3°12'40	22°21'21	15°50'50	18°34'34	8°23'23	29°24'24	20°37'37	13°21'21	17°27'27	10°56'56	10°10'10	3°44'44	29°56'56	W17
T 18	7 52 29	28°34'58	16°7'7	23°58'58	17°5'5	18°55'55	8°16'16	29°29'29	20°40'40	13°19'19	17°27'27	10°55'55	10°7'7	3°51'51	29°55'55	T 18
F 19	7 56 26	29°36'03	28°52'52	25°36'36	18°20'20	19°16'16	8°9'9	29°33'33	20°43'43	13°17'17	17°28'28	10°D55	10°4'4	3°58'58	29°53'53	F 19
S 20	8 0 22	0°37'08	11°11'59	27°14'14	19°36'36	19°37'37	8°2'2	29°38'38	20°47'47	13°16'16	17°28'28	10°55'55	10°1'1	4°4'4	29°52'52	S 20
S 21	8 4 19	1°38'12	25°31'31	28°53'53	20°51'51	19°59'59	7°55'55	29°43'43	20°50'50	13°14'14	17°29'29	10°56'56	9°58'58	4°11'11	29°51'51	S 21
M22	8 8 15	2°39'16	9°12'29	0°32'32	22°6'6	20°21'21	7°48'48	29°48'48	20°53'53	13°13'13	17°29'29	10°58'58	9°55'55	4°18'18	29°50'50	M22
T 23	8 12 12	3°40'20	23°53'53	2°13'13	23°22'22	20°44'44	7°42'42	29°54'54	20°57'57	13°11'11	17°30'30	10°59'59	9°51'51	4°24'24	29°49'49	T 23
W24	8 16 9	4°41'23	8°31'31	3°53'53	24°37'37	21°7'7	7°35'35	29°59'59	21°0'0	13°9'9	17°30'30	11°R 0	9°48'48	4°31'31	29°48'48	W24
T 25	8 20 5	5°42'26	23°46'46	5°34'34	25°52'52	21°30'30	7°29'29	0°1'4	21°4'4	13°8'8	17°31'31	10°59'59	9°45'45	4°38'38	29°47'47	T 25
F 26	8 24 2	6°43'28	9°1'1	7°16'16	27°8'8	21°54'54	7°23'23	0°10'10	21°7'7	13°6'6	17°31'31	10°57'57	9°42'42	4°44'44	29°46'46	F 26
S 27	8 27 58	7°44'29	24°16'16	8°59'59	28°23'23	22°17'17	7°17'17	0°15'15	21°10'10	13°4'4	17°32'32	10°54'54	9°39'39	4°51'51	29°46'46	S 27
S 28	8 31 55	8°45'29	9°11'19	10°42'42	29°38'38	22°42'42	7°11'11	0°21'21	21°14'14	13°2'2	17°32'32	10°50'50	9°36'36	4°58'58	29°45'45	S 28
M29	8 35 51	9°46'28	24°3'3	12°26'26	0°54'54	23°6'6	7°5'5	0°26'26	21°17'17	13°1'1	17°33'33	10°46'46	9°32'32	5°4'4	29°45'45	M29
T 30	8 39 48	10°47'26	8°12'21	14°10'10	2°9'9	23°31'31	6°59'59	0°32'32	21°21'21	12°59'59	17°34'34	10°42'42	9°29'29	5°11'11	29°44'44	T 30
W31	8 43 44	11°48'23	22°11'10	15°55'55	3°24'24	23°56'56	6°54'54	0°1'38	21°22'22	12°57'57	17°34'34	10°39'39	9°26'26	5°17'17	29°44'44	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22s57	1s25	4n46	23s42	0s18	23s 1	0n21	17n38	1n40	23n 0	0s 1	2s46	2s17	15s32	0s41	16n42
T 2	22 52	4n28	5 11	23 50	0 25	23 6	0 18	17 43	1 41	23 0	0 1	2 45	2 17	15 31	0 41	16 42
W 3	22 46	9 58	5 18	23 57	0 32	23 10	0 16	17 48	1 41	23 1	0 1	2 43	2 17	15 30	0 41	16 42
T 4	22 40	14 51	5 7	24 3	0 38	23 13	0 13	17 53	1 42	23 2	0 1	2 42	2 17	15 29	0 41	16 43
F 5	22 33	18 57	4 41	24 8	0 45	23 15	0 10	17 58	1 43	23 3	0 1	2 40	2 17	15 28	0 41	16 43
S 6	22 26	22 4	4 2	24 11	0 51	23 17	0 8	18 3	1 43	23 3	0 1	2 38	2 16	15 27	0 41	16 44
S 7	22 18	24 5	3 12	24 13	0 57	23 18	0 5	18 8	1 44	23 4	0 0	2 37	2 16	15 26	0 41	16 44
M 8	22 10	24 56	2 14	24 14	1 3	23 18	0 3	18 13	1 45	23 5	0 0	2 35	2 16	15 25	0 41	16 45
T 9	22 1	24 36	1 11	24 13	1 9	23 18	0 0	18 19	1 45	23 6	0 0	2 33	2 16	15 24	0 41	16 45
W10	21 52	23 8	0 5	24 11	1 14	23 17	0s 2	18 24	1 46	23 6	0n 0	2 31	2 16	15 23	0 41	16 45
T 11	21 43	20 38	1s 0	24 8	1 19	23 15	0 5	18 30	1 46	23 7	0 0	2 29	2 15	15 22	0 41	16 46
F 12	21 33	17 18	2 3	24 3	1 24	23 12	0 7	18 36	1 47	23 8	0 0	2 27	2 15	15 21	0 41	16 46
S 13	21 23	13 16	3 0	23 57	1 29	23 9	0 9	18 41	1 47	23 8	0 0	2 26	2 15	15 20	0 41	16 47
S 14	21 13	8 44	3 50	23 50	1 34	23 5	0 12	18 47	1 48	23 9	0 1	2 24	2 15	15 19	0 41	16 47
M15	21 2	3 52	4 30	23 41	1 38	23 0	0 14	18 53	1 48	23 10	0 1	2 22	2 15	15 18	0 41	16 48
T 16	20 50	1s11	4 58	23 31	1 42	22 55	0 17	18 59	1 48	23 10	0 1	2 20	2 14	15 17	0 41	16 48
W17	20 38	6 15	5 14	23 19	1 46	22 48	0 19	19 5	1 49	23 11	0 1	2 18	2 14	15 16	0 41	16 49
T 18	20 26	11 11	5 15	23 6	1 49	22 42	0 22	19 11	1 49	23 11	0 1	2 16	2 14	15 15	0 41	16 49
F 19	20 14	15 45	5 1	22 51	1 52	22 34	0 24	19 17	1 49	23 12	0 1	2 13	2 14	15 14	0 41	16 50
S 20	20 1	19 43	4 31	22 35	1 55	22 26	0 26	19 23	1 50	23 13	0 1	2 11	2 14	15 12	0 41	16 50
S 21	19 47	22 47	3 45	22 18	1 58	22 17	0 29	19 30	1 50	23 13	0 2	2 9	2 14	15 11	0 41	16 51
M22	19 33	24 35	2 45	21 59	2 0	22 7	0 31	19 36	1 50	23 14	0 2	2 7	2 13	15 10	0 41	16 51
T 23	19 19	24 50	1 33	21 38	2 2	21 57	0 33	19 42	1 50	23 14	0 2	2 5	2 13	15 9	0 41	16 51
W24	19 5	23 21	0 13	21 16	2 3	21 46	0 35	19 49	1 51	23 15	0 2	2 3	2 13	15 8	0 41	16 52
T 25	18 50	20 11	1n10	20 53	2 4	21 35	0 37	19 55	1 51	23 15	0 2	2 0	2 13	15 7	0 41	16 52
F 26	18 35	15 36	2 28	20 28	2 5	21 22	0 40	20 1	1 51	23 16	0 2	1 58	2 13	15 6	0 41	16 53
S 27	18 20	10 2	3 36	20 1	2 5	21 9	0 42	20 8	1 51	23 16	0 2	1 56	2 13	15 5	0 41	16 53
S 28	18 4	3 56	4 28	19 33	2 5	20 56	0 44	20 14	1 51	23 17	0 2	1 53	2 13	15 4	0 41	16 54
M29	17 48	2n14	5 0	19 3	2 4	20 42	0 46	20 20	1 52	23 17	0 3	1 51	2 12	15 3	0 41	16 54
T 30	17 31	8 6	5 13	18 32	2 3	20 27	0 48	20 27	1 52	23 17	0 3	1 49	2 12	15 2	0 41	16 55
W31	17s14	13n23	5n 7	18s 0	2s 2	20s12	0s50	20n33	1n52	23n18	0n 3	1s46	2s12	15s 0	0s41	16n55

Julian Day Number = 2482591.5, Delta T = 86.68 sec
 Ecliptic obliquity = 23°25'43, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°55'40, Lahiri = 25°02'41

ASTRODIENST EPHEMERIS for the year 2085

geocentric

FEBRUARY 2085

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 47 41	12°49'18	5°31	17°40	4°40	24°21	6°R48	0°Y43	21°27	12°R56	17°Y35	10°R38	9°Z23	5°L24	29°R43	T 1
F 2	8 51 38	13°50'12	18°27	19°26	5°55	24°47	6°B43	0°49	21°31	12°L54	17°36	10°D37	9°20	5°31	29°B43	F 2
S 3	8 55 34	14°51'05	1°II 0	21°12	7°10	25°13	6°38	0°55	21°34	12°52	17°37	10°Z39	9°16	5°37	29°43	S 3
S 4	8 59 31	15°51'57	13°15	22°59	8°25	25°39	6°33	1° 1	21°38	12°51	17°37	10°40	9°13	5°44	29°43	S 4
M 5	9 3 27	16°52'47	25°18	24°46	9°41	26° 5	6°29	1° 7	21°41	12°49	17°38	10°42	9°10	5°51	29°42	M 5
T 6	9 7 24	17°53'36	7°B11	26°33	10°56	26°32	6°24	1°13	21°45	12°47	17°39	10°R43	9° 7	5°57	29°D42	T 6
W 7	9 11 20	18°54'23	19° 0	28°20	12°11	26°58	6°20	1°19	21°48	12°46	17°40	10°43	9° 4	6° 4	29°42	W 7
T 8	9 15 17	19°55'09	0°L48	0°H 8	13°26	27°25	6°16	1°26	21°52	12°44	17°41	10°40	9° 1	6°11	29°43	T 8
F 9	9 19 14	20°55'54	12°36	1°54	14°42	27°53	6°12	1°32	21°55	12°42	17°41	10°36	8°57	6°17	29°43	F 9
S 10	9 23 10	21°56'37	24°28	3°41	15°57	28°20	6° 8	1°38	21°59	12°41	17°42	10°30	8°54	6°24	29°43	S 10
S 11	9 27 7	22°57'19	6°D25	5°27	17°12	28°48	6° 5	1°45	22° 2	12°39	17°43	10°23	8°51	6°31	29°43	S 11
M12	9 31 3	23°58'00	18°29	7°12	18°27	29°16	6° 1	1°51	22° 6	12°37	17°44	10°14	8°48	6°37	29°44	M12
T 13	9 35 0	24°58'39	0°A41	8°55	19°43	29°44	5°58	1°57	22° 9	12°36	17°45	10° 5	8°45	6°44	29°44	T 13
W14	9 38 56	25°59'18	13° 2	10°37	20°58	0°II 12	5°55	2° 4	22°13	12°34	17°46	9°58	8°42	6°51	29°45	W14
T 15	9 42 53	26°59'55	25°35	12°16	22°13	0°40	5°52	2°11	22°16	12°32	17°47	9°51	8°38	6°57	29°45	T 15
F 16	9 46 49	28° 0'31	8°M22	13°53	23°28	1° 9	5°50	2°17	22°20	12°31	17°48	9°47	8°35	7° 4	29°46	F 16
S 17	9 50 46	29° 1'06	21°26	15°27	24°43	1°38	5°47	2°24	22°23	12°29	17°49	9°45	8°32	7°11	29°47	S 17
S 18	9 54 42	0°H 1'39	4°J49	16°57	25°58	2° 7	5°45	2°30	22°27	12°28	17°50	9°D45	8°29	7°17	29°47	S 18
M19	9 58 39	1° 2'12	18°33	18°23	27°14	2°36	5°43	2°37	22°30	12°26	17°51	9°46	8°26	7°24	29°48	M19
T 20	10 2 36	2° 2'43	2°Z41	19°43	28°29	3° 5	5°41	2°44	22°33	12°24	17°52	9°R47	8°22	7°31	29°49	T 20
W21	10 6 32	3° 3'13	17°11	20°58	29°44	3°35	5°39	2°51	22°37	12°23	17°53	9°47	8°19	7°37	29°50	W21
T 22	10 10 29	4° 3'42	2° 1	22° 7	0°H59	4° 5	5°38	2°58	22°40	12°21	17°54	9°45	8°16	7°44	29°51	T 22
F 23	10 14 25	5° 4'09	17° 4	23° 8	2°14	4°34	5°37	3° 5	22°44	12°20	17°55	9°40	8°13	7°51	29°52	F 23
S 24	10 18 22	6° 4'35	2°H13	24° 2	3°29	5° 4	5°36	3°12	22°47	12°18	17°56	9°33	8°10	7°57	29°54	S 24
S 25	10 22 18	7° 4'58	17°17	24°48	4°44	5°35	5°35	3°18	22°51	12°17	17°57	9°25	8° 7	8° 4	29°55	S 25
M26	10 26 15	8° 5'21	2°Y 7	25°25	5°59	6° 5	5°34	3°25	22°54	12°15	17°59	9°15	8° 3	8°11	29°56	M26
T 27	10 30 11	9° 5'41	16°34	25°53	7°14	6°35	5°34	3°33	22°57	12°14	18° 0	9° 6	8° 0	8°17	29°58	T 27
W28	10 34 8	10°H5'59	0°B33	26°H11	8°H29	7°II 6	5°B34	3°Y40	23° 1	12°L12	18°Y 1	8°Z58	7°Z57	8°L24	29°B59	W28

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	16s57	17n49	4n45	17s26	2s 0	19s56	0s52	20n40	1n52	23n18	0n 3	1s44	2s12	14s59	0s41	16n56	0n 0	8s48	16s58	23s 0	23s 6	16n43	16n19	3s51			
F 2	16 40	21 17	4 8	16 50	1 57	19 39	0 54	20 46	1 52	23 19	0 3	1 41	2 12	14 58	0 41	16 56	0 0	8 47	16 58	23 0	23 6	16 41	16 19	3 51			
S 3	16 22	23 37	3 20	16 14	1 54	19 22	0 56	20 52	1 52	23 19	0 3	1 39	2 12	14 57	0 41	16 57	0 0	8 47	16 58	23 0	23 6	16 38	16 19	3 51			
S 4	16 4	24 46	2 25	15 35	1 50	19 4	0 57	20 59	1 52	23 19	0 3	1 36	2 12	14 56	0 41	16 57	0 0	8 46	16 57	23 0	23 6	16 36	16 19	3 51			
M 5	15 46	24 44	1 23	14 56	1 46	18 46	0 59	21 5	1 52	23 20	0 4	1 34	2 11	14 55	0 41	16 58	0 0	8 46	16 57	23 0	23 7	16 33	16 20	3 50			
T 6	15 28	23 33	0 19	14 15	1 41	18 27	1 1	21 11	1 52	23 20	0 4	1 31	2 11	14 54	0 41	16 58	0 0	8 45	16 57	23 0	23 7	16 31	16 20	3 50			
W 7	15 9	21 20	0s45	13 33	1 36	18 8	1 2	21 18	1 52	23 20	0 4	1 29	2 11	14 53	0 41	16 59	0 0	8 44	16 56	23 0	23 7	16 29	16 20	3 50			
T 8	14 50	18 14	1 47	12 49	1 30	17 48	1 4	21 24	1 52	23 21	0 4	1 26	2 11	14 52	0 41	16 59	0 0	8 44	16 56	23 0	23 7	16 26	16 20	3 50			
F 9	14 31	14 23	2 45	12 5	1 23	17 28	1 6	21 30	1 52	23 21	0 4	1 24	2 11	14 50	0 41	17 0	0 0	8 43	16 56	23 0	23 8	16 24	16 20	3 50			
S 10	14 11	9 59	3 35	11 19	1 15	17 7	1 7	21 36	1 52	23 21	0 4	1 21	2 11	14 49	0 41	17 0	0 0	8 43	16 56	23 1	23 8	16 21	16 21	3 50			
S 11	13 52	5 11	4 16	10 33	1 7	16 46	1 9	21 43	1 52	23 22	0 4	1 18	2 11	14 48	0 41	17 1	0 0	8 42	16 55	23 1	23 8	16 19	16 21	3 49			
M12	13 32	0 9	4 47	9 46	0 58	16 24	1 10	21 49	1 52	23 22	0 4	1 16	2 11	14 47	0 41	17 1	0 0	8 41	16 55	23 2	23 8	16 17	16 21	3 49			
T 13	13 11	4s55	5 4	8 58	0 49	16 2	1 11	21 55	1 52	23 22	0 5	1 13	2 10	14 46	0 41	17 2	0 1	8 41	16 55	23 3	23 8	16 14	16 21	3 49			
W14	12 51	9 52	5 8	8 10	0 38	15 39	1 13	22 1	1 52	23 22	0 5	1 10	2 10	14 45	0 41	17 2	0 1	8 40	16 54	23 3	23 9	16 12	16 22	3 49			
T 15	12 30	14 29	4 57	7 22	0 27	15 16	1 14	22 7	1 52	23 23	0 5	1 8	2 10	14 44	0 41	17 3	0 1	8 40	16 54	23 4	23 9	16 9	16 22	3 49			
F 16	12 10	18 34	4 31	6 34	0 15	14 52	1 15	22 13	1 52	23 23	0 5	1 5	2 10	14 43	0 41	17 3	0 1	8 39	16 54	23 4	23 9	16 7	16 22	3 48			
S 17	11 49	21 49	3 51	5 47	0 3	14 28	1 16	22 19	1 52	23 23	0 5	1 2	2 10	14 41	0 41	17 4	0 1	8 38	16 54	23 4	23 9	16 5	16 22	3 48			
S 18	11 27	23 59	2 57	5 0	0n10	14 4	1 17	22 24	1 52	23 23	0 5	0 59	2 10	14 40	0 41	17 4	0 1	8 38	16 53	23 4	23 9	16 2	16 23	3 48			
M19	11 6	24 48	1 52	4 14	0 24	13 39	1 18	22 30	1 52	23 24	0 5	0 57	2 10	14 39	0 41	17 4	0 1	8 37	16 53	23 4	23 10	16 0	16 23	3 48			
T 20	10 45	24 2	0 38	3 29	0 38	13 14	1 19	22 36	1 52	23 24	0 5	0 54	2 10	14 38	0 41	17 5	0 1	8 37	16 53	23 4	23 10	15 57	16 24	3 48			
W21	10 23	21 40	0n40	2 47	0 52	12 49	1 20	22 41	1 52	23 24	0 5	0 51	2 10	14 37	0 41	17 5	0 1	8 36	16 53	23 4	23 10	15 55	16 24	3 48			
T 22	10 1	17 49	1 57	2 6	1 7	12 23	1 21	22 47	1 52	23 24	0 6	0 48	2 10	14 36	0 41	17 6	0 1	8 35	16 52	23 4	23 10	15 53	16 24	3 47			
F 23	9 39	12 45	3 6	1 28	1 22	11 57	1 22	22 52	1 52	23 24	0 6	0 46	2 10	14 35	0 41	17 6	0 1	8 35	16 52	23 5	23 10	15 50	16 25	3 47			
S 24	9 17	6 54	4 3	0 53	1 37	11 30	1 22	22 58	1 52	23 24	0 6	0 43	2 9	14 34	0 41	17 7	0 1	8 34	16 52	23 5	23 11	15 48	16 25	3 47			
S 25	8 54	0 41	4 43	0 21	1 52	11 4	1 23	23 3	1 51	23 25	0 6	0 40	2 9	14 32	0 41	17 7	0 1	8 33	16 52	23 6	23 11	15 45	16 26	3 47			
M26	8 32	5n28	5 3	0n 7	2 7	10 36	1 24	23 8	1 51	23 25	0 6	0 37	2 9	14 31	0 41	17 8	0 1	8 33	16 51	23 6	23 11	15 43	16 26	3 47			
T 27	8 9	11 9	5 2	0 31	2 21	10 9	1 24	23 14	1 51	23 25	0 6	0 34	2 9	14 30	0 41	17 8	0 1	8 32	16 51	23 7	23 11	15 40	16 26	3 47			
W28	7s47	16n 5	4n44	0n51	2n35	9s42	1s25	23n19	1n51	23n25	0n 6	0s31	2s 9	14s29	0s41	17n 8	0n 1	8s32	16s51	23s 8	23s11	15n38	16n27	3s46			

Julian Day Number = 2482622.5, Delta T = 86.72 sec

Ecliptic obliquity = 23°25'43, Nutation = 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°55'45, Lahiri = 25°02'45

ASTRODIENST EPHEMERIS for the year 2085
geocentric

MARCH 2085

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 38 5	11♈ 6'16	14♉ 2	26°R20	9♈44	7♈37	5°D34	3♈47	23°48	12°R11	18♈ 2	8°R52	7♈54	8♈31	0♈ 1	T 1
F 2	10 42 1	12° 6'31	27° 3	26♈19	10°59	8° 8	5°34	3°54	23° 7	12♈ 9	18° 3	8°R49	7°51	8°37	0° 2	F 2
S 3	10 45 58	13° 6'43	9♈40	26° 8	12°14	8°38	5°34	4° 1	23°11	12° 8	18° 4	8°D48	7°48	8°44	0° 4	S 3
S 4	10 49 54	14° 6'54	21°56	25°48	13°29	9°10	5°35	4° 8	23°14	12° 7	18° 6	8°48	7°44	8°51	0° 6	S 4
M 5	10 53 51	15° 7'02	3♈57	25°20	14°44	9°41	5°35	4°15	23°17	12° 5	18° 7	8°R49	7°41	8°57	0° 7	M 5
T 6	10 57 47	16° 7'08	15°49	24°44	15°59	10°12	5°36	4°23	23°21	12° 4	18° 8	8°49	7°38	9° 4	0° 9	T 6
W 7	11 1 44	17° 7'13	27°36	24° 1	17°14	10°44	5°38	4°30	23°24	12° 3	18° 9	8°47	7°35	9°11	0°11	W 7
T 8	11 5 40	18° 7'15	9♈23	23°12	18°29	11°15	5°39	4°37	23°27	12° 1	18°11	8°42	7°32	9°17	0°13	T 8
F 9	11 9 37	19° 7'15	21°14	22°18	19°44	11°47	5°40	4°44	23°30	12° 0	18°12	8°35	7°28	9°24	0°15	F 9
S 10	11 13 34	20° 7'13	3♈12	21°21	20°59	12°19	5°42	4°52	23°34	11°59	18°13	8°26	7°25	9°31	0°17	S 10
S 11	11 17 30	21° 7'09	15°18	20°22	22°14	12°51	5°44	4°59	23°37	11°57	18°14	8°14	7°22	9°37	0°19	S 11
M12	11 21 27	22° 7'03	27°34	19°23	23°29	13°23	5°46	5° 7	23°40	11°56	18°16	8° 0	7°19	9°44	0°22	M12
T 13	11 25 23	23° 6'55	10♈ 0	18°24	24°43	13°55	5°49	5°14	23°43	11°55	18°17	7°47	7°16	9°51	0°24	T 13
W14	11 29 20	24° 6'45	22°37	17°27	25°58	14°27	5°51	5°21	23°46	11°54	18°18	7°35	7°13	9°57	0°26	W14
T 15	11 33 16	25° 6'34	5♈25	16°33	27°13	14°59	5°54	5°29	23°49	11°53	18°20	7°24	7° 9	10° 4	0°28	T 15
F 16	11 37 13	26° 6'21	18°24	15°44	28°28	15°32	5°57	5°36	23°52	11°52	18°21	7°17	7° 6	10°11	0°31	F 16
S 17	11 41 9	27° 6'06	1♈36	14°59	29°43	16° 4	6° 0	5°44	23°55	11°51	18°22	7°12	7° 3	10°17	0°33	S 17
S 18	11 45 6	28° 5'50	15° 1	14°19	0♈57	16°37	6° 3	5°51	23°58	11°49	18°24	7°10	7° 0	10°24	0°36	S 18
M19	11 49 3	29° 5'31	28°41	13°45	2°12	17° 9	6° 6	5°58	24° 1	11°48	18°25	7° 9	6°57	10°31	0°39	M19
T 20	11 52 59	0♈ 5'12	12♈38	13°17	3°27	17°42	6°10	6° 6	24° 4	11°47	18°26	7° 9	6°53	10°37	0°41	T 20
W21	11 56 56	1° 4'50	26°51	12°56	4°41	18°15	6°14	6°13	24° 7	11°46	18°28	7° 9	6°50	10°44	0°44	W21
T 22	12 0 52	2° 4'27	11♈20	12°40	5°56	18°48	6°18	6°21	24°10	11°45	18°29	7° 6	6°47	10°51	0°47	T 22
F 23	12 4 49	3° 4'02	26° 1	12°31	7°11	19°21	6°22	6°28	24°13	11°45	18°31	7° 0	6°44	10°57	0°49	F 23
S 24	12 8 45	4° 3'35	10♈48	12°D28	8°25	19°54	6°26	6°36	24°16	11°44	18°32	6°51	6°41	11° 4	0°52	S 24
S 25	12 12 42	5° 3'06	25°35	12°31	9°40	20°27	6°31	6°43	24°19	11°43	18°33	6°40	6°38	11°11	0°55	S 25
M26	12 16 38	6° 2'35	10♈12	12°39	10°55	21° 0	6°35	6°51	24°22	11°42	18°35	6°28	6°34	11°17	0°58	M26
T 27	12 20 35	7° 2'02	24°32	12°52	12° 9	21°33	6°40	6°58	24°25	11°41	18°36	6°16	6°31	11°24	1° 1	T 27
W28	12 24 31	8° 1'27	8♈29	13°11	13°24	22° 7	6°45	7° 6	24°27	11°40	18°38	6° 6	6°28	11°31	1° 4	W28
T 29	12 28 28	9° 0'50	22° 0	13°35	14°38	22°40	6°50	7°13	24°30	11°39	18°39	5°58	6°25	11°37	1° 7	T 29
F 30	12 32 25	10° 0'11	5♈ 4	14° 3	15°53	23°14	6°55	7°21	24°33	11°39	18°40	5°53	6°22	11°44	1°10	F 30
S 31	12 36 21	10♈59'29	17♈44	14♈36	17°V 7	23♈47	7°28	7°V28	24°35	11°38	18°V42	5°50	6°19	11°45	1°14	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
T 1	7s24	20n 1 4n10	1n 7 2n48	9s14 1s25	23n24 1n51	23n25 0n 6	0s28 2s 9	14s28 0s41	17n 9 0n 1	8s31 16s51	23s 8 23s12	15n35 16n27	3s46			
F 2	7 1 22 48	3 24 1 17 3 0	8 46 1 25 23 28	1 51 23 25	0 6 0 26	2 9 14 27	0 41 17 9	0 1 8 30	16 50 23 8	23 12 15 33	16 28 3 46					
S 3	6 38 24 21	2 29 1 23 3 11	8 17 1 26 23 33	1 51 23 25	0 7 0 23	2 9 14 26	0 41 17 10	0 1 8 30	16 50 23 8	23 12 15 31	16 28 3 46					
S 4	6 15 24 40	1 29 1 24 3 20	7 49 1 26 23 38	1 50 23 25	0 7 0 20	2 9 14 25	0 41 17 10	0 1 8 29	16 50 23 8	23 12 15 28	16 29 3 46					
M 5	5 52 23 48	0 26 1 19 3 28	7 20 1 26 23 43	1 50 23 25	0 7 0 17	2 9 14 24	0 41 17 10	0 1 8 28	16 50 23 8	23 12 15 26	16 29 3 46					
T 6	5 28 21 53	0s37 1 11 3 34	6 51 1 26 23 47	1 50 23 25	0 7 0 14	2 9 14 23	0 41 17 11	0 1 8 28	16 50 23 8	23 13 15 23	16 30 3 46					
W 7	5 5 19 1	1 38 0 57 3 38	6 22 1 26 23 51	1 50 23 25	0 7 0 11	2 9 14 22	0 41 17 11	0 1 8 27	16 49 23 8	23 13 15 21	16 30 3 45					
T 8	4 42 15 24	2 35 0 40 3 40	5 52 1 26 23 56	1 50 23 26	0 7 0 8	2 9 14 21	0 41 17 12	0 1 8 26	16 49 23 9	23 13 15 18	16 31 3 45					
F 9	4 18 11 10	3 25 0 18 3 39	5 23 1 26 24 0	1 50 23 26	0 7 0 5	2 9 14 20	0 41 17 12	0 1 8 26	16 49 23 9	23 13 15 16	16 32 3 45					
S 10	3 55 6 29	4 7 0s 6 3 37	4 53 1 26 24 4	1 49 23 26	0 7 0 2	2 9 14 19	0 41 17 12	0 1 8 25	16 49 23 10	23 13 15 13	16 32 3 45					
S 11	3 31 1 31	4 38 0 33 3 33	4 24 1 26 24 8	1 49 23 26	0 7 0n 1	2 9 14 17	0 41 17 13	0 1 8 25	16 49 23 10	23 13 15 11	16 33 3 45					
M12	3 8 3s33	4 56 1 2 3 27	3 54 1 25 24 12	1 49 23 26	0 7 0 4	2 9 14 16	0 41 17 13	0 1 8 24	16 49 23 11	23 14 15 8	16 33 3 45					
T 13	2 44 8 34	5 1 1 32 3 19	3 24 1 25 24 16	1 49 23 26	0 8 0 7	2 9 14 15	0 41 17 13	0 1 8 23	16 48 23 12	23 14 15 6	16 34 3 44					
W14	2 20 13 17	4 51 2 3 3 9	2 54 1 25 24 19	1 49 23 26	0 8 0 9	2 9 14 14	0 41 17 14	0 1 8 23	16 48 23 13	23 14 15 3	16 34 3 44					
T 15	1 57 17 30	4 26 2 34 2 58	2 23 1 24 24 23	1 48 23 26	0 8 0 12	2 9 14 13	0 41 17 14	0 1 8 22	16 48 23 13	23 14 15 1	16 35 3 44					
F 16	1 33 20 56	3 48 3 4 2 46	1 53 1 23 24 26	1 48 23 26	0 8 0 15	2 9 14 12	0 41 17 14	0 1 8 21	16 48 23 14	23 14 14 58	16 36 3 44					
S 17	1 9 23 21	2 56 3 34 2 33	1 23 1 23 24 29	1 48 23 25	0 8 0 18	2 9 14 11	0 41 17 15	0 1 8 21	16 48 23 14	23 14 14 56	16 36 3 44					
S 18	0 45 24 29	1 54 4 2 2 19	0 53 1 22 24 33	1 48 23 25	0 8 0 21	2 9 14 10	0 41 17 15	0 1 8 20	16 48 23 14	23 15 14 53	16 37 3 44					
M19	0 22 24 10	0 45 4 29 2 4	0 22 1 21 24 36	1 48 23 25	0 8 0 24	2 9 14 9	0 41 17 15	0 1 8 20	16 48 23 14	23 15 14 51	16 38 3 44					
T 20	0n 2 22 21	0n29 4 53 1 49	0n 8 1 21 24 38	1 47 23 25	0 8 0 27	2 9 14 8	0 41 17 16	0 1 8 19	16 47 23 14	23 15 14 49	16 38 3 44					
W21	0 26 19 6	1 42 5 15 1 34	0 39 1 20 24 41	1 47 23 25	0 8 0 30	2 9 14 8	0 41 17 16	0 1 8 18	16 47 23 14	23 15 14 46	16 39 3 43					
T 22	0 49 14 39	2 50 5 35 1 19	1 9 1 19 24 44	1 47 23 25	0 8 0 33	2 9 14 7	0 41 17 16	0 1 8 18	16 47 23 14	23 15 14 44	16 40 3 43					
F 23	1 13 9 16	3 48 5 52 1 4	1 39 1 18 24 46	1 47 23 25	0 8 0 36	2 9 14 6	0 41 17 16	0 1 8 17	16 47 23 15	23 15 14 41	16 40 3 43					
S 24	1 37 3 20	4 30 6 7 0 49	2 10 1 17 24 49	1 46 23 25	0 9 0 39	2 9 14 5	0 41 17 17	0 1 8 17	16 47 23 15	23 16 14 39	16 41 3 43					
S 25	2 0 2n45	4 55 6 20 0 34	2 40 1 16 24 51	1 46 23 25	0 9 0 42	2 9 14 4	0 41 17 17	0 1 8 16	16 47 23 16	23 16 14 36	16 42 3 43					
M26	2 24 8 38	5 0 6 30 0 20	3 10 1 15 24 53	1 46 23 25	0 9 0 45	2 9 14 3	0 42 17 17	0 1 8 15	16 47 23 16	23 16 14 34	16 43 3 43					
T 27	2 47 13 55	4 45 6 38 0 6	3 41 1 13 24 55	1 46 23 24	0 9 0 48	2 9 14 2	0 42 17 17	0 1 8 15	16 47 23 17	23 16 14 31	16 43 3 43					
W28	3 11 18 20	4 14 6 43 0s 7	4 11 1 12 24 57	1 45 23 24	0 9 0 51	2 9 14 1	0 42 17 18	0 1 8 14	16 47 23 17	23 16 14 29	16 44 3 43					
T 29	3 34 21 38	3 30 6 45 0 20	4 41 1 11 24 59	1 45 23 24	0 9 0 54	2 9 14 0	0 42 17 18	0 1 8 14	16 47 23 18	23 16 14 26	16 45 3 42					
F 30	3 58 23 40	2 35 6 46 0 32	5 11 1 9 25 0	1 45 23 24	0 9 0 57	2 9 13 59	0 42 17 18	0 1 8 13	16 47 23 18	23 17 14 23	16 45 3 42					
S 31	4n21 24n26	1n34 6s44 0s44	5n41 1s 8 25n 2	1n45 23n24	0n 9 1n 0	2s 9 13s58	0s42 17n18	0n 1 8s13	16s47 23s18	23s17 14n21	16n46 3s42					

Julian Day Number = 2482650.5, Delta T = 86.75 sec
Ecliptic obliquity = 23°25'43, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°55'49, Lahiri = 25°02'49

ASTRODIENST EPHEMERIS for the year 2085
geocentric

APRIL 2085

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	12 40 18	11°58'45	0°3 3	15°13	18°17	24°21	7°5 7	7°36	24°38	11°37	18°43	5°49	6°15	11°57	1°17	S 1
M 2	12 44 14	12°57'59	12° 7	15°54	19°36	24°55	7°12	7°43	24°41	11°37	18°45	5°49	6°12	12° 4	1°20	M 2
T 3	12 48 11	13°57'11	24° 0	16°38	20°51	25°28	7°18	7°51	24°43	11°36	18°46	5°49	6° 9	12°11	1°24	T 3
W 4	12 52 7	14°56'20	5°0 9	17°26	22° 5	26° 2	7°24	7°58	24°46	11°36	18°47	5°47	6° 6	12°17	1°27	W 4
T 5	12 56 4	15°55'27	17°38	18°18	23°20	26°36	7°31	8° 6	24°48	11°35	18°49	5°43	6° 3	12°24	1°30	T 5
F 6	13 0 0	16°54'31	29°32	19°12	24°34	27°10	7°37	8°13	24°51	11°34	18°50	5°37	5°59	12°31	1°34	F 6
S 7	13 3 57	17°53'34	11°35	20° 9	25°48	27°44	7°44	8°21	24°53	11°34	18°52	5°28	5°56	12°37	1°37	S 7
S 8	13 7 54	18°52'34	23°50	21°10	27° 3	28°18	7°50	8°28	24°55	11°34	18°53	5°16	5°53	12°44	1°41	S 8
M 9	13 11 50	19°51'32	6°18	22°13	28°17	28°52	7°57	8°36	24°58	11°33	18°55	5° 4	5°50	12°51	1°44	M 9
T 10	13 15 47	20°50'28	19° 1	23°18	29°31	29°26	8° 4	8°43	25° 0	11°33	18°56	4°51	5°47	12°57	1°48	T 10
W 11	13 19 43	21°49'22	1°57	24°26	0°45	0°5 0	8°11	8°50	25° 2	11°32	18°57	4°39	5°44	13° 4	1°52	W 11
T 12	13 23 40	22°48'14	15° 5	25°36	2° 0	0°35	8°19	8°58	25° 5	11°32	18°59	4°29	5°40	13°11	1°55	T 12
F 13	13 27 36	23°47'04	28°26	26°49	3°14	1° 9	8°26	9° 5	25° 7	11°32	19° 0	4°22	5°37	13°17	1°59	F 13
S 14	13 31 33	24°45'52	11°56	28° 4	4°28	1°43	8°34	9°12	25° 9	11°31	19° 2	4°17	5°34	13°24	2° 3	S 14
S 15	13 35 29	25°44'39	25°36	29°21	5°42	2°18	8°41	9°20	25°11	11°31	19° 3	4°15	5°31	13°31	2° 7	S 15
M 16	13 39 26	26°43'24	9°25	0°40	6°56	2°52	8°49	9°27	25°13	11°31	19° 5	4°D15	5°28	13°37	2°10	M 16
T 17	13 43 23	27°42'07	23°23	2° 1	8°10	3°27	8°57	9°34	25°15	11°31	19° 6	4°R16	5°25	13°44	2°14	T 17
W 18	13 47 19	28°40'49	7°29	3°23	9°25	4° 1	9° 5	9°41	25°17	11°31	19° 7	4°15	5°21	13°51	2°18	W 18
T 19	13 51 16	29°39'29	21°43	4°48	10°39	4°36	9°13	9°49	25°19	11°31	19° 9	4°13	5°18	13°58	2°22	T 19
F 20	13 55 12	0°38'07	6°3 3	6°15	11°53	5°11	9°22	9°56	25°21	11°31	19°10	4° 9	5°15	14° 4	2°26	F 20
S 21	13 59 9	1°36'43	20°25	7°43	13° 7	5°45	9°30	10° 3	25°23	11°D31	19°12	4° 2	5°12	14°11	2°30	S 21
S 22	14 3 5	2°35'18	4°45	9°14	14°21	6°20	9°39	10°10	25°25	11°31	19°13	3°54	5° 9	14°18	2°34	S 22
M 23	14 7 2	3°33'51	18°57	10°46	15°35	6°55	9°48	10°17	25°27	11°31	19°14	3°44	5° 5	14°24	2°38	M 23
T 24	14 10 58	4°32'23	2°56	12°19	16°49	7°29	9°56	10°24	25°28	11°31	19°16	3°34	5° 2	14°31	2°42	T 24
W 25	14 14 55	5°30'52	16°37	13°55	18° 3	8° 4	10° 5	10°31	25°30	11°31	19°17	3°26	4°59	14°38	2°46	W 25
T 26	14 18 52	6°29'20	29°57	15°32	19°17	8°39	10°14	10°39	25°32	11°31	19°19	3°19	4°56	14°44	2°50	T 26
F 27	14 22 48	7°27'46	12°56	17°11	20°31	9°14	10°24	10°46	25°33	11°31	19°20	3°15	4°53	14°51	2°55	F 27
S 28	14 26 45	8°26'09	25°34	18°52	21°44	9°49	10°33	10°52	25°35	11°31	19°21	3°13	4°50	14°58	2°59	S 28
S 29	14 30 41	9°24'31	7°53	20°35	22°58	10°24	10°42	10°59	25°36	11°32	19°23	3°D12	4°46	15° 4	3° 3	S 29
M 30	14 34 38	10°22'51	19°58	22°19	24°12	10°59	10°52	11°11	25°38	11°32	19°24	3°313	4°343	15°11	3°II 7	M 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n44	23n56	0n31	6s40	0s55	6n10	1s 6	25n 3	1n44	23n23	0n 9	1n 2	2s 9	13s58	0s42	17n18	0n 1	8s12	16s46	23s18	23s17	14n18	16n47	3s42									
M 2	5 7	22 19	0s33	6 34	1 6	6 40	1 5	25 4	1 44	23 23	0 9	1 5	2 9	13 57	0 42	17 19	0 1	8 11	16 46	23 18	23 17	14 16	16 48	3 42									
T 3	5 30	19 45	1 35	6 26	1 16	7 9	1 3	25 5	1 44	23 23	0 9	1 8	2 9	13 56	0 42	17 19	0 1	8 11	16 46	23 18	23 17	14 13	16 48	3 42									
W 4	5 53	16 21	2 32	6 16	1 26	7 39	1 2	25 6	1 44	23 23	0 9	1 11	2 9	13 55	0 42	17 19	0 1	8 10	16 46	23 18	23 17	14 11	16 49	3 42									
T 5	6 16	12 20	3 22	6 5	1 34	8 8	1 0	25 6	1 43	23 22	0 10	1 14	2 9	13 54	0 42	17 19	0 1	8 10	16 46	23 18	23 17	14 8	16 50	3 42									
F 6	6 38	7 49	4 4	5 51	1 43	8 37	0 58	25 7	1 43	23 22	0 10	1 17	2 9	13 54	0 42	17 19	0 1	8 9	16 46	23 19	23 18	14 6	16 51	3 42									
S 7	7 1	2 58	4 36	5 36	1 51	9 5	0 57	25 7	1 43	23 22	0 10	1 20	2 9	13 53	0 42	17 19	0 1	8 9	16 46	23 19	23 18	14 3	16 51	3 42									
S 8	7 23	2s 4	4 55	5 18	1 58	9 34	0 55	25 8	1 43	23 22	0 10	1 23	2 9	13 52	0 42	17 20	0 1	8 8	16 46	23 19	23 18	14 1	16 52	3 42									
M 9	7 46	7 6	5 1	5 0	2 4	10 2	0 53	25 8	1 42	23 21	0 10	1 26	2 9	13 51	0 42	17 20	0 1	8 8	16 46	23 20	23 18	13 58	16 53	3 41									
T 10	8 8	11 56	4 52	4 39	2 11	10 30	0 51	25 8	1 42	23 21	0 10	1 28	2 9	13 50	0 42	17 20	0 1	8 7	16 46	23 20	23 18	13 56	16 54	3 41									
W 11	8 30	16 20	4 28	4 17	2 16	10 58	0 49	25 7	1 42	23 21	0 10	1 31	2 9	13 50	0 42	17 20	0 1	8 7	16 46	23 21	23 18	13 53	16 55	3 41									
T 12	8 52	20 1	3 50	3 54	2 21	11 26	0 47	25 7	1 41	23 20	0 10	1 34	2 9	13 49	0 42	17 20	0 1	8 6	16 46	23 21	23 18	13 51	16 55	3 41									
F 13	9 14	22 41	2 58	3 29	2 25	11 53	0 45	25 7	1 41	23 20	0 10	1 37	2 9	13 48	0 42	17 20	0 1	8 6	16 46	23 21	23 19	13 48	16 56	3 41									
S 14	9 35	24 7	1 56	3 3	2 29	12 20	0 43	25 6	1 41	23 19	0 10	1 40	2 10	13 48	0 42	17 20	0 1	8 5	16 46	23 22	23 19	13 46	16 57	3 41									
S 15	9 57	24 7	0 46	2 35	2 32	12 47	0 41	25 5	1 41	23 19	0 10	1 43	2 10	13 47	0 42	17 20	0 1	8 5	16 46	23 22	23 19	13 43	16 58	3 41									
M 16	10 18	22 38	0n27	2 7	2 35	13 13	0 39	25 4	1 40	23 19	0 10	1 45	2 10	13 46	0 42	17 20	0 1	8 4	16 46	23 22	23 19	13 40	16 59	3 41									
T 17	10 39	19 46	1 40	1 36	2 37	13 39	0 36	25 3	1 40	23 18	0 11	1 48	2 10	13 46	0 42	17 20	0 1	8 4	16 46	23 22	23 19	13 38	16 59	3 41									
W 18	11 0	15 42	2 47	1 5	2 39	14 5	0 34	25 2	1 40	23 18	0 11	1 51	2 10	13 45	0 42	17 20	0 1	8 3	16 47	23 22	23 19	13 35	17 0	3 41									
T 19	11 21	10 43	3 45	0 32	2 40	14 30	0 32	25 0	1 39	23 17	0 11	1 54	2 10	13 44	0 42	17 20	0 1	8 3	16 47	23 22	23 19	13 33	17 1	3 41									
F 20	11 41	5 8	4 28	0n 1	2 40	14 55	0 30	24 59	1 39	23 17	0 11	1 56	2 10	13 44	0 42	17 20	0 1	8 2	16 47	23 22	23 19	13 30	17 2	3 41									
S 21	12 2	0n44	4 55	0 36	2 40	15 20	0 27	24 57	1 39	23 16	0 11	1 59	2 10	13 43	0 42	17 21	0 1	8 2	16 47	23 22	23 20	13 28	17 3	3 41									
S 22	12 22	6 32	5 4	1 12	2 40	15 44	0 25	24 55	1 39	23 16	0 11	2 2	2 10	13 43	0 42	17 21	0 1	8 1	16 47	23 22	23 20	13 25	17 3	3 41									
M 23	12 42	11 56	4 53	1 49	2 39	16 8	0 23	24 53	1 38	23 15	0 11	2 4	2 10	13 42	0 42	17 21	0 1	8 1	16 47	23 23	23 20	13 23	17 4	3 41									
T 24	13 2	16 38	4 25	2 27	2 37	16 32	0 20	24 51	1 38	23 14	0 11	2 7	2 10	13 41	0 42	17 21	0 1	8 1	16 47	23 23	23 20	13 20	17 5	3 41									
W 25	13 21	20 21	3 43	3 6	2 35	16 55	0 18	24 48	1 38	23 14	0 11	2 10	2 11	13 41	0 42	17 20	0 1	8 0	16 47	23 23	23 20	13 17	17 6	3 41									
T 26	13 41	22 52	2 48	3 46	2 32	17 17	0 16	24 46	1 37	23 13	0 11	2 12	2 11	13 40	0 42	17 20	0 1	8 0	16 47	23 23	23 20	13 15	17 7	3 41									
F 27	14 0	24 6	1 47	4 27	2 29	17 39	0 13	24 43	1 37	23 13	0 11	2 15	2 11	13 40	0 43	17 20	0 1	7 59	16 47	23 23	23 20	13 12	17 7	3 41									
S 28	14 19	24 2	0 41	5 9	2 26	18 1	0 11	24 40	1 37	23 12	0 11	2 18	2 11	13 39	0 43	17 20	0 1	7 59	16 47	23 23	23 20	13 10	17 8	3 41									
S 29	14 37	22 47	0s25	5 51	2 21	18 22	0 8	24 37	1 36	23 11	0 11	2 20	2 11	13 39	0 43	17 20	0 1	7 59	16 47	23 23	23 21	13 7	17 9	3 40									
M 30	14n56	20n29	1s29	6n34	2s17	18n43	0s 6	24n34	1n36	23n11	0n12	2n23	2s11	13s38	0s43	17n20	0n 1	7s58	16s48	23s23	23s21	13n 5	17n10	3s40									

ASTRODIENST EPHEMERIS for the year 2085
geocentric

MAY 2085

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 38 34	11°8'21"08	1°8'53	24°5'5	25°8'26	11°33'4	11°33'1	11°13'13	25°33'39	11°12'32	19°12'25	3°3'14	4°3'40	15°12'18	3°11'11	T 1
W 2	14 42 31	12°19'24	13°44	25°53	26°40	12°9	11°11	11°20	25°41	11°32	19°27	3°15	4°37	15°24	3°16	W 2
T 3	14 46 27	13°17'37	25°35	27°43	27°53	12°45	11°21	11°27	25°42	11°33	19°28	3°14	4°34	15°31	3°20	T 3
F 4	14 50 24	14°15'49	7°32	29°34	29°7	13°20	11°31	11°33	25°43	11°33	19°29	3°11	4°30	15°38	3°24	F 4
S 5	14 54 21	15°13'58	19°38	1°8'28	0°11'21	13°55	11°41	11°40	25°45	11°34	19°31	3°6	4°27	15°44	3°29	S 5
S 6	14 58 17	16°12'06	1°59	3°23	1°35	14°30	11°51	11°47	25°46	11°34	19°32	3°0	4°24	15°51	3°33	S 6
M 7	15 2 14	17°10'11	14°36	5°19	2°48	15°6	12°1	11°53	25°47	11°35	19°33	2°52	4°21	15°58	3°37	M 7
T 8	15 6 10	18°8'15	27°31	7°18	4°2	15°41	12°11	12°0	25°48	11°35	19°35	2°44	4°18	16°4	3°42	T 8
W 9	15 10 7	19°6'17	10°44	9°18	5°15	16°16	12°22	12°7	25°49	11°36	19°36	2°37	4°15	16°11	3°46	W 9
T 10	15 14 3	20°4'18	24°14	11°20	6°29	16°52	12°32	12°13	25°50	11°36	19°37	2°31	4°11	16°18	3°50	T 10
F 11	15 18 0	21°2'17	7°58	13°24	7°43	17°27	12°43	12°19	25°51	11°37	19°38	2°27	4°8	16°24	3°55	F 11
S 12	15 21 56	22°0'14	21°54	15°29	8°56	18°2	12°54	12°26	25°52	11°38	19°40	2°25	4°5	16°31	3°59	S 12
S 13	15 25 53	22°58'11	5°35	17°35	10°10	18°38	13°4	12°32	25°53	11°38	19°41	2°D24	4°2	16°38	4°4	S 13
M14	15 29 50	23°56'05	20°7	19°43	11°23	19°13	13°15	12°38	25°54	11°39	19°42	2°25	3°59	16°44	4°8	M14
T 15	15 33 46	24°53'59	4°19	21°52	12°36	19°49	13°26	12°45	25°54	11°40	19°43	2°26	3°56	16°51	4°13	T 15
W16	15 37 43	25°51'51	18°31	24°1	13°50	20°24	13°37	12°51	25°55	11°41	19°45	2°28	3°52	16°58	4°17	W16
T 17	15 41 39	26°49'42	2°42	26°12	15°3	21°0	13°48	12°57	25°56	11°41	19°46	2°R28	3°49	17°5	4°22	T 17
F 18	15 45 36	27°47'32	16°50	28°23	16°17	21°36	13°59	13°3	25°56	11°42	19°47	2°26	3°46	17°11	4°26	F 18
S 19	15 49 32	28°45'21	0°52	0°11'34	17°30	22°11	14°10	13°9	25°57	11°43	19°48	2°23	3°43	17°18	4°31	S 19
S 20	15 53 29	29°43'09	14°46	2°46	18°43	22°47	14°22	13°15	25°58	11°44	19°49	2°19	3°40	17°25	4°35	S 20
M21	15 57 25	0°11'40'55	28°31	4°57	19°57	23°23	14°33	13°21	25°58	11°45	19°50	2°14	3°36	17°31	4°40	M21
T 22	16 1 22	1°38'41	12°3	7°7	21°10	23°58	14°45	13°27	25°58	11°46	19°52	2°10	3°33	17°38	4°44	T 22
W23	16 5 19	2°36'25	25°20	9°17	22°23	24°34	14°56	13°33	25°59	11°47	19°53	2°5	3°30	17°45	4°49	W23
T 24	16 9 15	3°34'08	8°11'21	11°26	23°37	25°10	15°8	13°38	25°59	11°48	19°54	2°2	3°27	17°51	4°53	T 24
F 25	16 13 12	4°31'49	21°6	13°33	24°50	25°46	15°19	13°44	25°59	11°49	19°55	2°0	3°24	17°58	4°58	F 25
S 26	16 17 8	5°29'30	3°35	15°39	26°3	26°22	15°31	13°50	26°0	11°50	19°56	2°D0	3°21	18°5	5°2	S 26
S 27	16 21 5	6°27'09	15°49	17°42	27°16	26°58	15°43	13°55	26°0	11°51	19°57	2°1	3°17	18°11	5°7	S 27
M28	16 25 1	7°24'46	27°52	19°44	28°29	27°33	15°55	14°1	26°0	11°52	19°58	2°2	3°14	18°18	5°11	M28
T 29	16 28 58	8°22'22	9°14	21°44	29°42	28°9	16°7	14°6	26°0	11°54	19°59	2°4	3°11	18°25	5°16	T 29
W30	16 32 54	9°19'57	21°38	23°41	0°56	28°45	16°19	14°11	26°R0	11°55	20°0	2°5	3°8	18°31	5°20	W30
T 31	16 36 51	10°11'7'31	3°30	25°11'36	2°9	29°21	16°31	14°17	26°0	11°56	20°1	2°3	3°5	18°38	5°25	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	15n14	17n19	2s28	7n18	2s11	19n 3	0s 3	24n31	1n36	23n10	0n12	2n25	2s11	13s38	0s43	17n20	0n 1	7s58	16s48	23s23	23s21	13n 2	17n11	3s40			
W 2	15 32	13 30	3 21	8 3	2 6	19 23	0 1	24 27	1 35	23 9	0 12	2 28	2 11	13 38	0 43	17 20	0 1	7 57	16 48	23 23	23 21	12 59	17 11	3 40			
T 3	15 49	9 9	4 4	8 48	1 59	19 42	0n 2	24 24	1 35	23 8	0 12	2 30	2 11	13 37	0 43	17 20	0 1	7 57	16 48	23 23	23 21	12 57	17 12	3 40			
F 4	16 7	4 26	4 38	9 34	1 53	20 1	0 4	24 20	1 35	23 8	0 12	2 33	2 12	13 37	0 43	17 20	0 1	7 57	16 48	23 23	23 21	12 54	17 13	3 40			
S 5	16 24	0s30	5 0	10 20	1 45	20 19	0 7	24 16	1 34	23 7	0 12	2 35	2 12	13 36	0 43	17 20	0 1	7 56	16 48	23 24	23 21	12 52	17 14	3 40			
S 6	16 41	5 30	5 8	11 6	1 38	20 37	0 9	24 12	1 34	23 6	0 12	2 38	2 12	13 36	0 43	17 20	0 1	7 56	16 48	23 24	23 21	12 49	17 15	3 40			
M 7	16 57	10 23	5 2	11 53	1 30	20 54	0 12	24 8	1 34	23 5	0 12	2 40	2 12	13 36	0 43	17 20	0 1	7 56	16 49	23 24	23 21	12 47	17 15	3 41			
T 8	17 13	14 56	4 40	12 40	1 21	21 11	0 14	24 3	1 33	23 4	0 12	2 43	2 12	13 35	0 43	17 19	0 1	7 55	16 49	23 24	23 22	12 44	17 16	3 41			
W 9	17 29	18 53	4 3	13 27	1 12	21 27	0 17	23 59	1 33	23 3	0 12	2 45	2 12	13 35	0 43	17 19	0 1	7 55	16 49	23 24	23 22	12 41	17 17	3 41			
T 10	17 45	21 55	3 12	14 14	1 3	21 42	0 19	23 54	1 33	23 2	0 12	2 48	2 12	13 35	0 43	17 19	0 1	7 55	16 49	23 24	23 22	12 39	17 18	3 41			
F 11	18 1	23 45	2 9	15 0	0 53	21 57	0 22	23 49	1 32	23 2	0 12	2 50	2 13	13 34	0 43	17 19	0 1	7 54	16 49	23 24	23 22	12 36	17 19	3 41			
S 12	18 16	24 8	0 57	15 46	0 44	22 11	0 24	23 44	1 32	23 1	0 12	2 52	2 13	13 34	0 43	17 19	0 1	7 54	16 49	23 24	23 22	12 34	17 19	3 41			
S 13	18 30	22 58	0n19	16 32	0 33	22 24	0 27	23 39	1 32	23 0	0 12	2 55	2 13	13 34	0 43	17 19	0 1	7 54	16 50	23 24	23 22	12 31	17 20	3 41			
M14	18 45	20 21	1 35	17 17	0 23	22 37	0 29	23 34	1 32	22 59	0 13	2 57	2 13	13 34	0 43	17 18	0 1	7 54	16 50	23 24	23 22	12 28	17 21	3 41			
T 15	18 59	16 30	2 45	18 1	0 13	22 49	0 32	23 28	1 31	22 58	0 13	2 59	2 13	13 33	0 43	17 18	0 1	7 53	16 50	23 24	23 22	12 26	17 22	3 41			
W16	19 13	11 42	3 45	18 44	0 2	23 1	0 34	23 23	1 30	22 57	0 13	3 1	2 13	13 33	0 43	17 18	0 1	7 53	16 50	23 24	23 22	12 23	17 22	3 41			
T 17	19 26	6 18	4 31	19 26	0n 8	23 12	0 37	23 17	1 30	22 56	0 13	3 4	2 14	13 33	0 43	17 18	0 2	7 53	16 50	23 24	23 22	12 21	17 23	3 41			
F 18	19 40	0 35	5 0	20 6	0 19	23 22	0 39	23 11	1 30	22 54	0 13	3 6	2 14	13 33	0 43	17 18	0 2	7 53	16 51	23 24	23 22	12 18	17 24	3 41			
S 19	19 52	5n 6	5 12	20 44	0 29	23 32	0 42	23 5	1 30	22 53	0 13	3 8	2 14	13 33	0 43	17 17	0 2	7 52	16 51	23 24	23 23	12 15	17 25	3 41			
S 20	20 5	10 30	5 4	21 21	0 39	23 41	0 44	22 59	1 29	22 52	0 13	3 10	2 14	13 32	0 43	17 17	0 2	7 52	16 51	23 24	23 23	12 13	17 25	3 41			
M21	20 17	15 18	4 40	21 55	0 49	23 49	0 46	22 52	1 29	22 51	0 13	3 12	2 14	13 32	0 43	17 17	0 2	7 52	16 51	23 25	23 23	12 10	17 26	3 41			
T 22	20 29	19 15	4 0	22 27	0 59	23 57	0 49	22 46	1 29	22 50	0 13	3 14	2 14	13 32	0 44	17 17	0 2	7 52	16 51	23 25	23 23	12 8	17 27	3 41			
W23	20 40	22 7	3 7	22 57	1 8	24 3	0 51	22 39	1 28	22 49	0 13	3 16	2 15	13 32	0 44	17 16	0 2	7 52	16 52	23 25	23 23	12 5	17 28	3 41			
T 24	20 51	23 46	2 6	23 24	1 17	24 10	0 53	22 32	1 28	22 47	0 13	3 19	2 15	13 32	0 44	17 16	0 2	7 51	16 52	23 25	23 23	12 2	17 28	3 41			
F 25	21 2	24 7	0 59	23 49	1 25	24 15	0 55	22 25	1 28	22 46	0 13	3 21	2 15	13 32	0 44	17 16	0 2	7 51	16 52	23 25	23 23	12 0	17 29	3 41			
S 26	21 13	23 14	0s 9	24 11	1 32	24 20	0 58	22 18	1 27	22 45	0 13	3 23	2 15	13 32	0 44	17 15	0 2	7 51	16 52	23 25	23 23	11 57	17 30	3 41			
S 27	21 23	21 15	1 15	24 30	1 39	24 24	1 0	22 11	1 27	22 44	0 13	3 25	2 15	13 32	0 44	17 15	0 2	7 51	16 53	23 25	23 23	11 54	17 31	3 41			
M28	21 32	18 20	2 18	24 47	1 45	24 27	1 2	22 3	1 27	22 42	0 14	3 26	2 16	13 32	0 44	17 15	0 2	7 51	16 53	23 25	23 23	11 52	17 31	3 42			
T 29	21 41	14 41	3 13	25 1	1 51	24 30	1 4	21 56	1 26	22 41	0 14	3 28	2 16	13 32	0 44	17 14	0 2	7 51	16 53	23 25	23 23	11 49	17 32	3 42			
W30	21 50	10 29	4 0	25 12	1 56	24 32	1 6	21 48	1 26	22 40	0 14	3 30	2 16	13 32	0 44	17 14	0 2	7 51	16 53	23 25	23 23	11 47	17 33	3 42			
T 31	21n59	5n55	4s37	25n21	2n 0	24n33	1n 8	21n40	1n26	22n38	0n14	3n32	2s16	13s32	0s44	17n14	0n 2	7s51	16s54	23s25	23s24	11n44	17n33	3s42			

ASTRODIENST EPHEMERIS for the year 2085

geocentric

JUNE 2085

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 40 48	11 ^{II} 15'02	15 ^{III} 27	27 ^{II} 29	3 ^{III} 22	29 ^{III} 57	16 ^{III} 43	14 ^{III} 22	26 ^R 0	11 ^{II} 57	20 ^{III} 2	2 ^R 6	3 ^{III} 2	18 ^{II} 45	5 ^{III} 29	F 1
S 2	16 44 44	12°12'33	27°34	29°19	4°35	0 ^{II} 33	16°55	14°27	26 ^{III} 0	11°59	20° 3	2 ^{III} 5	2°58	18°51	5°34	S 2
S 3	16 48 41	13°10'02	9 ^{III} 56	1 ^{III} 6	5°48	1° 9	17° 7	14°32	26° 0	12° 0	20° 4	2° 4	2°55	18°58	5°38	S 3
M 4	16 52 37	14° 7'31	22°36	2°50	7° 1	1°45	17°19	14°37	25°59	12° 1	20° 5	2° 2	2°52	19° 5	5°43	M 4
T 5	16 56 34	15° 4'58	5 ^{III} 37	4°32	8°14	2°22	17°32	14°42	25°59	12° 3	20° 6	1°59	2°49	19°12	5°47	T 5
W 6	17 0 30	16° 2'23	19° 0	6°11	9°26	2°58	17°44	14°47	25°59	12° 4	20° 7	1°57	2°46	19°18	5°52	W 6
T 7	17 4 27	16°59'48	2 ^{III} 45	7°47	10°39	3°34	17°57	14°52	25°59	12° 5	20° 8	1°55	2°42	19°25	5°56	T 7
F 8	17 8 23	17°57'12	16°49	9°21	11°52	4°10	18° 9	14°57	25°58	12° 7	20° 8	1°54	2°39	19°32	6° 1	F 8
S 9	17 12 20	18°54'35	1 ^{III} 9	10°52	13° 5	4°46	18°21	15° 1	25°58	12° 8	20° 9	1°D54	2°36	19°38	6° 5	S 9
S 10	17 16 17	19°51'58	15°40	12°19	14°18	5°22	18°34	15° 6	25°57	12°10	20°10	1°54	2°33	19°45	6°10	S 10
M 11	17 20 13	20°49'19	0 ^{III} 15	13°44	15°30	5°59	18°47	15°10	25°57	12°11	20°11	1°55	2°30	19°52	6°14	M 11
T 12	17 24 10	21°46'40	14°50	15° 6	16°43	6°35	18°59	15°15	25°56	12°13	20°12	1°56	2°27	19°58	6°19	T 12
W 13	17 28 6	22°44'01	29°18	16°25	17°56	7°11	19°12	15°19	25°55	12°14	20°12	1°56	2°23	20° 5	6°23	W 13
T 14	17 32 3	23°41'21	13 ^{III} 37	17°41	19° 8	7°47	19°25	15°23	25°55	12°16	20°13	1°57	2°20	20°12	6°27	T 14
F 15	17 35 59	24°38'40	27°44	18°54	20°21	8°24	19°37	15°27	25°54	12°18	20°14	1°R57	2°17	20°18	6°32	F 15
S 16	17 39 56	25°36'00	11 ^{III} 36	20° 4	21°34	9° 0	19°50	15°32	25°53	12°19	20°15	1°57	2°14	20°25	6°36	S 16
S 17	17 43 52	26°33'19	25°14	21°10	22°46	9°36	20° 3	15°36	25°52	12°21	20°15	1°56	2°11	20°32	6°40	S 17
M 18	17 47 49	27°30'37	8 ^{III} 36	22°14	23°59	10°13	20°16	15°39	25°52	12°23	20°16	1°56	2° 8	20°38	6°45	M 18
T 19	17 51 46	28°27'56	21°44	23°14	25°11	10°49	20°29	15°43	25°51	12°24	20°17	1°55	2° 4	20°45	6°49	T 19
W 20	17 55 42	29°25'14	4 ^{III} 38	24°10	26°24	11°26	20°42	15°47	25°50	12°26	20°17	1°55	2° 1	20°52	6°53	W 20
T 21	17 59 39	0 ^{III} 22'31	17°18	25° 4	27°36	12° 2	20°55	15°51	25°49	12°28	20°18	1°55	1°58	20°59	6°58	T 21
F 22	18 3 35	1°19'49	29°45	25°53	28°49	12°39	21° 8	15°54	25°48	12°29	20°19	1°D55	1°55	21° 5	7° 2	F 22
S 23	18 7 32	2°17'05	12 ^{III} 1	26°39	0 ^{II} 1	13°15	21°21	15°58	25°47	12°31	20°19	1°R55	1°52	21°12	7° 6	S 23
S 24	18 11 28	3°14'22	24° 7	27°21	1°13	13°52	21°34	16° 1	25°45	12°33	20°20	1°55	1°48	21°19	7°10	S 24
M 25	18 15 25	4°11'38	6 ^{II} 5	27°59	2°26	14°28	21°47	16° 5	25°44	12°35	20°20	1°55	1°45	21°25	7°15	M 25
T 26	18 19 22	5° 8'53	17°58	28°33	3°38	15° 5	22° 0	16° 8	25°43	12°37	20°21	1°54	1°42	21°32	7°19	T 26
W 27	18 23 18	6° 6'08	29°48	29° 3	4°50	15°42	22°13	16°11	25°42	12°39	20°21	1°54	1°39	21°39	7°23	W 27
T 28	18 27 15	7° 3'22	11 ^{III} 40	29°29	6° 2	16°18	22°26	16°14	25°41	12°40	20°22	1°53	1°36	21°45	7°27	T 28
F 29	18 31 11	8° 0'36	23°36	29°51	7°15	16°55	22°40	16°17	25°39	12°42	20°22	1°53	1°33	21°52	7°31	F 29
S 30	18 35 8	8 ^{III} 57'49	5 ^{III} 42	0 ^{II} 7	8 ^{II} 27	17 ^{II} 32	22 ^{III} 53	16 ^{III} 20	25 ^{III} 38	12 ^{II} 44	20 ^{III} 23	1°D53	1 ^{III} 29	21 ^{II} 59	7 ^{III} 35	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	22n 7	1n 5	5s 2	25n27	2n 3	24n33	1n10	21n32	1n25	22n37	0n14	3n34	2s16	13s32	0s44	17n14
S 2	22 15	3s51	5 14	25 31	2 5	24 33	1 12	21 24	1 25	22 35	0 14	3 36	2 17	13 32	0 44	17 13
S 3	22 22	8 43	5 12	25 33	2 7	24 32	1 14	21 16	1 25	22 34	0 14	3 37	2 17	13 32	0 44	17 13
M 4	22 29	13 21	4 55	25 32	2 8	24 31	1 16	21 8	1 24	22 32	0 14	3 39	2 17	13 32	0 44	17 12
T 5	22 36	17 31	4 23	25 29	2 8	24 28	1 18	20 59	1 24	22 31	0 14	3 41	2 17	13 32	0 44	17 12
W 6	22 42	20 55	3 35	25 24	2 8	24 25	1 20	20 51	1 23	22 29	0 14	3 43	2 17	13 33	0 44	17 12
T 7	22 48	23 13	2 34	25 18	2 6	24 21	1 21	20 42	1 23	22 28	0 14	3 44	2 18	13 33	0 44	17 11
F 8	22 53	24 9	1 22	25 10	2 4	24 17	1 23	20 33	1 23	22 26	0 14	3 46	2 18	13 33	0 44	17 11
S 9	22 58	23 30	0 4	25 0	2 1	24 11	1 25	20 24	1 22	22 25	0 14	3 47	2 18	13 33	0 44	17 11
S 10	23 2	21 16	1n16	24 48	1 57	24 6	1 26	20 15	1 22	22 23	0 15	3 49	2 18	13 33	0 44	17 10
M 11	23 7	17 38	2 31	24 35	1 53	23 59	1 28	20 5	1 22	22 21	0 15	3 50	2 19	13 34	0 44	17 10
T 12	23 10	12 56	3 36	24 21	1 48	23 52	1 29	19 56	1 21	22 20	0 15	3 52	2 19	13 34	0 44	17 9
W 13	23 14	7 32	4 27	24 6	1 42	23 44	1 31	19 46	1 21	22 18	0 15	3 53	2 19	13 34	0 44	17 9
T 14	23 17	1 48	5 1	23 50	1 35	23 35	1 32	19 37	1 21	22 16	0 15	3 55	2 19	13 34	0 44	17 8
F 15	23 19	3n56	5 16	23 33	1 28	23 25	1 33	19 27	1 20	22 14	0 15	3 56	2 20	13 35	0 44	17 8
S 16	23 21	9 23	5 13	23 15	1 20	23 15	1 34	19 17	1 20	22 13	0 15	3 58	2 20	13 35	0 44	17 8
S 17	23 23	14 16	4 51	22 56	1 11	23 5	1 36	19 7	1 19	22 11	0 15	3 59	2 20	13 35	0 45	17 7
M 18	23 24	18 23	4 15	22 37	1 2	22 53	1 37	18 57	1 19	22 9	0 15	4 0	2 20	13 36	0 45	17 7
T 19	23 25	21 29	3 25	22 17	0 52	22 41	1 38	18 46	1 19	22 7	0 15	4 1	2 20	13 36	0 45	17 6
W 20	23 26	23 26	2 26	21 57	0 41	22 29	1 39	18 36	1 18	22 5	0 15	4 3	2 21	13 36	0 45	17 6
T 21	23 26	24 9	1 20	21 36	0 30	22 15	1 40	18 25	1 18	22 3	0 15	4 4	2 21	13 37	0 45	17 5
F 22	23 25	23 38	0 12	21 15	0 18	22 2	1 40	18 15	1 18	22 1	0 15	4 5	2 21	13 37	0 45	17 5
S 23	23 24	21 58	0s56	20 54	0 6	21 47	1 41	18 4	1 17	21 59	0 16	4 6	2 21	13 37	0 45	17 4
S 24	23 23	19 18	2 0	20 34	0s 7	21 32	1 42	17 53	1 17	21 57	0 16	4 7	2 22	13 38	0 45	17 4
M 25	23 22	15 51	2 59	20 13	0 21	21 16	1 42	17 42	1 16	21 56	0 16	4 8	2 22	13 38	0 45	17 3
T 26	23 20	11 48	3 49	19 53	0 35	21 0	1 43	17 31	1 16	21 53	0 16	4 9	2 22	13 39	0 45	17 3
W 27	23 17	7 20	4 29	19 32	0 49	20 43	1 43	17 20	1 16	21 51	0 16	4 10	2 23	13 39	0 45	17 2
T 28	23 14	2 36	4 58	19 13	1 4	20 26	1 44	17 8	1 15	21 49	0 16	4 11	2 23	13 40	0 45	17 2
F 29	23 11	2s16	5 14	18 54	1 19	20 8	1 44	16 57	1 15	21 47	0 16	4 12	2 23	13 40	0 45	17 1
S 30	23n 8	7s 6	5s16	18n35	1s34	19n49	1n44	16n45	1n15	21n45	0n16	4n13	2s23	13s41	0s45	17n 1

Julian Day Number = 2482742.5, Delta T = 86.85 sec

Ecliptic obliquity = 23°25'42, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°56'01, Lahiri = 25°03'02

ASTRODIENST EPHEMERIS for the year 2085
geocentric

JULY 2085

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 39 4	95°55'02	18°2	0°20	9°239	18°8	23°6	16°23	25°R36	12°46	20°23	1°53	1°23	22°12	7°43	S 1
M 2	18 43 1	10°52'15	0°40	0°28	10°51	18°45	23°19	16°25	25°35	12°48	20°23	1°53	1°23	22°12	7°43	M 2
T 3	18 46 57	11°49'27	13°39	0°R31	12° 3	19°22	23°33	16°28	25°33	12°50	20°24	1°54	1°20	22°19	7°47	T 3
W 4	18 50 54	12°46'39	27° 3	0°29	13°15	19°59	23°46	16°30	25°32	12°52	20°24	1°55	1°17	22°26	7°51	W 4
T 5	18 54 51	13°43'51	10°53	0°23	14°27	20°36	23°59	16°33	25°30	12°54	20°24	1°56	1°14	22°32	7°55	T 5
F 6	18 58 47	14°41'02	25° 7	0°12	15°39	21°12	24°13	16°35	25°29	12°56	20°25	1°R56	1°10	22°39	7°59	F 6
S 7	19 2 44	15°38'14	9°43	29°57	16°50	21°49	24°26	16°37	25°27	12°58	20°25	1°56	1° 7	22°46	8° 3	S 7
S 8	19 6 40	16°35'25	24°34	29°38	18° 2	22°26	24°39	16°40	25°26	13° 0	20°25	1°55	1° 4	22°52	8° 7	S 8
M 9	19 10 37	17°32'37	9°34	29°14	19°14	23° 3	24°53	16°42	25°24	13° 2	20°26	1°54	1° 1	22°59	8°10	M 9
T 10	19 14 33	18°29'48	24°33	28°47	20°26	23°40	25° 6	16°43	25°22	13° 4	20°26	1°52	0°58	23° 6	8°14	T 10
W 11	19 18 30	19°27'00	9°23	28°17	21°37	24°17	25°19	16°45	25°20	13° 6	20°26	1°50	0°54	23°12	8°18	W 11
T 12	19 22 26	20°24'13	23°57	27°43	22°49	24°54	25°33	16°47	25°19	13° 8	20°26	1°48	0°51	23°19	8°21	T 12
F 13	19 26 23	21°21'25	8°V12	27° 7	24° 1	25°31	25°46	16°49	25°17	13°10	20°26	1°47	0°48	23°26	8°25	F 13
S 14	19 30 20	22°18'39	22° 5	26°29	25°12	26° 8	26° 0	16°50	25°15	13°12	20°26	1°D46	0°45	23°32	8°29	S 14
S 15	19 34 16	23°15'53	5°36	25°50	26°24	26°45	26°13	16°52	25°13	13°15	20°27	1°47	0°42	23°39	8°32	S 15
M 16	19 38 13	24°13'07	18°46	25°11	27°35	27°22	26°26	16°53	25°11	13°17	20°27	1°48	0°39	23°46	8°36	M 16
T 17	19 42 9	25°10'23	1°37	24°31	28°46	27°59	26°40	16°54	25° 9	13°19	20°27	1°49	0°35	23°53	8°39	T 17
W 18	19 46 6	26° 7'39	14°13	23°53	29°58	28°36	26°53	16°55	25° 7	13°21	20°27	1°51	0°32	23°59	8°43	W 18
T 19	19 50 2	27° 4'55	26°35	23°15	1°9 9	29°13	27° 7	16°56	25° 5	13°23	20°27	1°R52	0°29	24° 6	8°46	T 19
F 20	19 53 59	28° 2'12	8°47	22°40	2°20	29°51	27°20	16°57	25° 3	13°25	20°R27	1°52	0°26	24°13	8°50	F 20
S 21	19 57 55	28°59'30	20°51	22° 8	3°31	0°28	27°33	16°58	25° 1	13°27	20°27	1°50	0°23	24°19	8°53	S 21
S 22	20 1 52	29°56'48	2°49	21°39	4°43	1° 5	27°47	16°59	24°59	13°30	20°27	1°48	0°20	24°26	8°56	S 22
M 23	20 5 49	0°54'06	14°42	21°14	5°54	1°42	28° 0	16°59	24°57	13°32	20°27	1°44	0°16	24°33	8°59	M 23
T 24	20 9 45	1°51'25	26°33	20°53	7° 5	2°20	28°14	17° 0	24°55	13°34	20°27	1°39	0°13	24°39	9° 3	T 24
W 25	20 13 42	2°48'44	8°23	20°37	8°16	2°57	28°27	17° 0	24°53	13°36	20°27	1°33	0°10	24°46	9° 6	W 25
T 26	20 17 38	3°46'04	20°15	20°26	9°27	3°34	28°40	17° 1	24°50	13°38	20°26	1°28	0° 7	24°53	9° 9	T 26
F 27	20 21 35	4°43'25	2°12	20°D21	10°37	4°12	28°54	17° 1	24°48	13°40	20°26	1°23	0° 4	25° 0	9°12	F 27
S 28	20 25 31	5°40'45	14°18	20°22	11°48	4°49	29° 7	17°R 1	24°46	13°43	20°26	1°20	0° 0	25° 6	9°15	S 28
S 29	20 29 28	6°38'07	26°35	20°29	12°59	5°27	29°20	17° 1	24°44	13°45	20°26	1°18	29°57	25°13	9°18	S 29
M 30	20 33 24	7°35'28	9°18	20°41	14°10	6° 4	29°34	17° 1	24°42	13°47	20°26	1°D17	29°54	25°20	9°21	M 30
T 31	20 37 21	8°32'51	22°18	21°50	15°20	6°42	29°47	17°V 1	24°39	13°49	20°V26	1°38	29°51	25°26	9°24	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 3	11s45	5s 5	18n17	1s50	19n30	1n44	16n34	1n14	21n43	0n16	4n14	2s24	13s41	0s45	17n 0
M 2	22 59	16 2	4 38	18 0	2 5	19 11	1 44	16 22	1 14	21 41	0 16	4 14	2 24	13 42	0 45	17 0
T 3	22 54	19 41	3 57	17 44	2 21	18 51	1 44	16 10	1 13	21 39	0 16	4 15	2 24	13 42	0 45	16 59
W 4	22 49	22 26	3 1	17 29	2 36	18 30	1 44	15 58	1 13	21 37	0 16	4 16	2 24	13 43	0 45	16 58
T 5	22 43	23 57	1 54	17 16	2 52	18 9	1 44	15 46	1 13	21 34	0 17	4 17	2 25	13 43	0 45	16 58
F 6	22 37	23 58	0 38	17 3	3 7	17 47	1 44	15 34	1 12	21 32	0 17	4 16	2 25	13 44	0 45	16 57
S 7	22 31	22 22	0n43	16 52	3 22	17 25	1 43	15 22	1 12	21 30	0 17	4 18	2 25	13 44	0 45	16 57
S 8	22 24	19 12	2 2	16 42	3 36	17 3	1 43	15 9	1 11	21 28	0 17	4 18	2 25	13 45	0 45	16 56
M 9	22 17	14 45	3 13	16 33	3 49	16 40	1 43	14 57	1 11	21 25	0 17	4 19	2 26	13 46	0 45	16 56
T 10	22 9	9 23	4 11	16 27	4 2	16 17	1 42	14 44	1 11	21 23	0 17	4 19	2 26	13 46	0 45	16 55
W 11	22 1	3 32	4 52	16 21	4 14	15 53	1 41	14 32	1 10	21 21	0 17	4 20	2 26	13 47	0 45	16 55
T 12	21 53	2n23	5 13	16 17	4 24	15 29	1 40	14 19	1 10	21 18	0 17	4 20	2 27	13 47	0 45	16 54
F 13	21 44	8 3	5 14	16 15	4 34	15 5	1 40	14 6	1 9	21 16	0 17	4 20	2 27	13 48	0 45	16 53
S 14	21 35	13 10	4 56	16 14	4 41	14 40	1 39	13 53	1 9	21 13	0 17	4 21	2 27	13 49	0 45	16 53
S 15	21 25	17 30	4 22	16 15	4 48	14 15	1 38	13 40	1 9	21 11	0 17	4 21	2 27	13 49	0 45	16 52
M 16	21 16	20 51	3 36	16 17	4 53	13 49	1 37	13 27	1 8	21 8	0 17	4 21	2 28	13 50	0 45	16 52
T 17	21 5	23 4	2 39	16 21	4 56	13 23	1 35	13 14	1 8	21 6	0 18	4 22	2 28	13 51	0 45	16 51
W 18	20 55	24 5	1 36	16 26	4 57	12 57	1 34	13 0	1 7	21 4	0 18	4 22	2 28	13 51	0 45	16 50
T 19	20 44	23 52	0 29	16 33	4 57	12 30	1 33	12 47	1 7	21 1	0 18	4 22	2 29	13 52	0 45	16 50
F 20	20 33	22 30	0s38	16 40	4 55	12 4	1 31	12 34	1 7	20 59	0 18	4 22	2 29	13 53	0 45	16 49
S 21	20 21	20 7	1 42	16 49	4 52	11 36	1 30	12 20	1 6	20 56	0 18	4 22	2 29	13 53	0 46	16 49
S 22	20 9	16 54	2 42	16 58	4 46	11 9	1 28	12 6	1 6	20 53	0 18	4 22	2 29	13 54	0 46	16 48
M 23	19 57	13 1	3 33	17 9	4 40	10 41	1 27	11 53	1 5	20 51	0 18	4 22	2 30	13 55	0 46	16 47
T 24	19 44	8 39	4 16	17 20	4 32	10 13	1 25	11 39	1 5	20 48	0 18	4 22	2 30	13 56	0 46	16 47
W 25	19 31	3 59	4 47	17 32	4 22	9 45	1 23	11 25	1 5	20 46	0 18	4 22	2 30	13 56	0 46	16 46
T 26	19 18	0s50	5 6	17 44	4 12	9 17	1 21	11 11	1 4	20 43	0 18	4 22	2 30	13 57	0 46	16 46
F 27	19 4	5 38	5 12	17 56	4 0	8 48	1 19	10 57	1 4	20 40	0 18	4 21	2 31	13 58	0 46	16 45
S 28	18 51	10 18	5 4	18 8	3 47	8 19	1 17	10 43	1 3	20 38	0 19	4 21	2 31	13 59	0 46	16 44
S 29	18 36	14 38	4 42	18 21	3 34	7 50	1 15	10 29	1 3	20 35	0 19	4 21	2 31	13 59	0 46	16 44
M 30	18 22	18 26	4 6	18 33	3 20	7 21	1 12	10 15	1 2	20 32	0 19	4 21	2 32	14 0	0 46	16 43
T 31	18n 7	21s27	3s17	18n44	3s 5	6n51	1n10	10n 1	1n 2	20n30	0n19	4n20	2s32	14s 1	0s46	16n42

Julian Day Number = 2482772.5, Delta T = 86.89 sec
Ecliptic obliquity = 23°25'41", Nutation = 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°56'05", Lahiri = 25°03'06"

ASTRODIENST EPHEMERIS for the year 2085
geocentric

AUGUST 2085

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 41 18	9♌30°13	5♊22	21♌25	16♏31	7♏19	0♌0	17°R 0	24°R37	13♌52	20°R25	1♌19	29♊48	25♌33	9♏27	W 1
T 2	20 45 14	10°27'37	19° 7	21°57	17°41	7°57	0°14	17°Y 0	24°≈35	13°54	20°Y25	1°21	29°45	25°40	9°29	T 2
F 3	20 49 11	11°25'01	3♌19	22°34	18°52	8°34	0°27	16°59	24°32	13°56	20°25	1°R21	29°41	25°46	9°32	F 3
S 4	20 53 7	12°22'26	17°57	23°18	20° 2	9°12	0°40	16°59	24°30	13°58	20°24	1°20	29°38	25°53	9°35	S 4
S 5	20 57 4	13°19'51	2♌57	24° 8	21°12	9°49	0°53	16°58	24°28	14° 0	20°24	1°17	29°35	26° 0	9°37	S 5
M 6	21 1 0	14°17'17	18° 9	25° 4	22°22	10°27	1° 7	16°57	24°25	14° 3	20°24	1°13	29°32	26° 7	9°40	M 6
T 7	21 4 57	15°14'45	3♏25	26° 6	23°32	11° 5	1°20	16°56	24°23	14° 5	20°23	1° 7	29°29	26°13	9°42	T 7
W 8	21 8 53	16°12'13	18°34	27°13	24°42	11°42	1°33	16°55	24°21	14° 7	20°23	1° 0	29°26	26°20	9°45	W 8
T 9	21 12 50	17° 9'42	3♏25	28°27	25°52	12°20	1°46	16°54	24°18	14° 9	20°23	0°54	29°22	26°27	9°47	T 9
F 10	21 16 47	18° 7'13	17°53	29°45	27° 2	12°58	1°59	16°53	24°16	14°12	20°22	0°49	29°19	26°33	9°50	F 10
S 11	21 20 43	19° 4'45	1♌53	1♌9	28°12	13°36	2°12	16°51	24°14	14°14	20°22	0°46	29°16	26°40	9°52	S 11
S 12	21 24 40	20° 2'19	15°26	2°38	29°22	14°13	2°25	16°50	24°11	14°16	20°21	0°D44	29°13	26°47	9°54	S 12
M13	21 28 36	20°59'54	28°32	4°11	0♌31	14°51	2°38	16°49	24° 9	14°18	20°21	0°44	29°10	26°53	9°56	M13
T 14	21 32 33	21°57'30	11♏16	5°49	1°41	15°29	2°51	16°47	24° 6	14°20	20°20	0°45	29° 6	27° 0	9°59	T 14
W15	21 36 29	22°55'08	23°42	7°31	2°51	16° 7	3° 4	16°45	24° 4	14°23	20°20	0°46	29° 3	27° 7	10° 1	W15
T 16	21 40 26	23°52'48	5♌54	9°16	4° 0	16°45	3°17	16°43	24° 2	14°25	20°19	0°R46	29° 0	27°14	10° 3	T 16
F 17	21 44 22	24°50'29	17°56	11° 5	5° 9	17°23	3°30	16°41	23°59	14°27	20°19	0°45	28°57	27°20	10° 5	F 17
S 18	21 48 19	25°48'11	29°52	12°56	6°19	18° 1	3°43	16°39	23°57	14°29	20°18	0°41	28°54	27°27	10° 6	S 18
S 19	21 52 16	26°45'55	11♌43	14°50	7°28	18°39	3°56	16°37	23°54	14°31	20°17	0°35	28°51	27°34	10° 8	S 19
M20	21 56 12	27°43'40	23°34	16°45	8°37	19°17	4° 9	16°35	23°52	14°34	20°17	0°26	28°47	27°40	10°10	M20
T 21	22 0 9	28°41'26	5♏24	18°43	9°46	19°55	4°22	16°33	23°50	14°36	20°16	0°16	28°44	27°47	10°12	T 21
W22	22 4 5	29°39'13	17°17	20°41	10°55	20°33	4°34	16°31	23°47	14°38	20°16	0° 4	28°41	27°54	10°13	W22
T 23	22 8 2	0♏37'02	29°14	22°41	12° 3	21°12	4°47	16°28	23°45	14°40	20°15	29♊53	28°38	28° 0	10°15	T 23
F 24	22 11 58	1°34'53	11♌15	24°40	13°12	21°50	5° 0	16°25	23°43	14°42	20°14	29°43	28°35	28° 7	10°17	F 24
S 25	22 15 55	2°32'44	23°25	26°40	14°21	22°28	5°12	16°23	23°40	14°44	20°14	29°35	28°31	28°14	10°18	S 25
S 26	22 19 51	3°30'37	5♏45	28°41	15°29	23° 6	5°25	16°20	23°38	14°47	20°13	29°29	28°28	28°21	10°19	S 26
M27	22 23 48	4°28'31	18°18	0♏40	16°38	23°44	5°37	16°17	23°35	14°49	20°12	29°25	28°25	28°27	10°21	M27
T 28	22 27 45	5°26'26	1♊8	2°40	17°46	24°23	5°50	16°14	23°33	14°51	20°11	29°D24	28°22	28°34	10°22	T 28
W29	22 31 41	6°24'23	14°20	4°38	18°54	25° 1	6° 2	16°11	23°31	14°53	20°11	29°24	28°19	28°41	10°23	W29
T 30	22 35 38	7°22'21	27°56	6°36	20° 2	25°40	6°14	16° 8	23°29	14°55	20°10	29°R25	28°16	28°47	10°24	T 30
F 31	22 39 34	8♏20'20	11♌58	8♏33	21♌10	26♏18	6♌27	16°Y 5	23°≈26	14♌57	20°Y 9	29♊24	28♊12	28♌54	10♏25	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n52	23s26	2s17	18n56	2s50	6n22	1n 8	9n46	1n 2	20n27	0n19	4n20	2s32	14s 2	0s46	16n42
T 2	17 37	24 5	1 6	19 6	2 34	5 52	1 5	9 32	1 1	20 24	0 19	4 20	2 32	14 2	0 46	16 41
F 3	17 21	23 13	0n11	19 16	2 19	5 22	1 2	9 17	1 1	20 21	0 19	4 19	2 33	14 3	0 46	16 41
S 4	17 5	20 45	1 29	19 24	2 3	4 52	1 0	9 3	1 0	20 19	0 19	4 19	2 33	14 4	0 46	16 40
S 5	16 49	16 51	2 43	19 31	1 47	4 22	0 57	8 48	1 0	20 16	0 19	4 18	2 33	14 5	0 46	16 39
M 6	16 32	11 48	3 46	19 37	1 31	3 51	0 54	8 34	0 59	20 13	0 19	4 18	2 34	14 6	0 46	16 39
T 7	16 15	6 0	4 33	19 41	1 15	3 21	0 51	8 19	0 59	20 10	0 20	4 17	2 34	14 6	0 46	16 38
W 8	15 58	0n 6	5 1	19 44	1 0	2 51	0 48	8 4	0 59	20 8	0 20	4 16	2 34	14 7	0 46	16 37
T 9	15 41	6 4	5 8	19 44	0 45	2 20	0 45	7 50	0 58	20 5	0 20	4 16	2 34	14 8	0 46	16 37
F 10	15 24	11 33	4 55	19 42	0 30	1 49	0 42	7 35	0 58	20 2	0 20	4 15	2 35	14 9	0 46	16 36
S 11	15 6	16 15	4 24	19 38	0 16	1 19	0 39	7 20	0 57	19 59	0 20	4 14	2 35	14 10	0 46	16 35
S 12	14 48	19 57	3 40	19 32	0 2	0 48	0 36	7 5	0 57	19 56	0 20	4 13	2 35	14 10	0 46	16 35
M13	14 29	22 30	2 45	19 23	0n11	0 17	0 32	6 50	0 56	19 53	0 20	4 13	2 35	14 11	0 46	16 34
T 14	14 11	23 49	1 43	19 11	0 23	0s14	0 29	6 35	0 56	19 50	0 20	4 12	2 36	14 12	0 46	16 34
W15	13 52	23 55	0 38	18 56	0 35	0 44	0 26	6 20	0 56	19 48	0 20	4 11	2 36	14 13	0 46	16 33
T 16	13 34	22 50	0s28	18 39	0 45	1 15	0 22	6 4	0 55	19 45	0 20	4 10	2 36	14 14	0 46	16 32
F 17	13 13	20 43	1 31	18 20	0 55	1 46	0 18	5 49	0 55	19 42	0 21	4 9	2 36	14 14	0 46	16 32
S 18	12 55	17 44	2 29	17 57	1 4	2 17	0 15	5 34	0 54	19 39	0 21	4 8	2 37	14 15	0 46	16 31
S 19	12 35	14 2	3 21	17 32	1 12	2 47	0 11	5 19	0 54	19 36	0 21	4 7	2 37	14 16	0 46	16 30
M20	12 15	9 49	4 4	17 4	1 20	3 18	0 7	5 3	0 53	19 33	0 21	4 6	2 37	14 17	0 46	16 30
T 21	11 55	5 15	4 36	16 34	1 26	3 49	0 3	4 48	0 53	19 30	0 21	4 5	2 37	14 18	0 46	16 29
W22	11 35	0 28	4 56	16 2	1 31	4 19	0s 0	4 33	0 52	19 27	0 21	4 4	2 38	14 18	0 46	16 29
T 23	11 15	4s20	5 3	15 28	1 36	4 50	0 4	4 17	0 52	19 24	0 21	4 2	2 38	14 19	0 46	16 28
F 24	10 54	9 1	4 57	14 51	1 40	5 20	0 8	4 2	0 52	19 21	0 21	4 1	2 38	14 20	0 46	16 27
S 25	10 34	13 23	4 38	14 13	1 42	5 51	0 12	3 46	0 51	19 18	0 21	4 0	2 38	14 21	0 46	16 27
S 26	10 13	17 17	4 5	13 34	1 44	6 21	0 17	3 31	0 51	19 15	0 22	3 59	2 39	14 21	0 46	16 26
M27	9 52	20 29	3 20	12 53	1 46	6 51	0 21	3 15	0 50	19 12	0 22	3 58	2 39	14 22	0 46	16 25
T 28	9 31	22 44	2 24	12 10	1 46	7 21	0 25	3 0	0 50	19 10	0 22	3 56	2 39	14 23	0 46	16 25
W29	9 9	23 49	1 19	11 27	1 46	7 51	0 29	2 44	0 49	19 7	0 22	3 55	2 39	14 24	0 46	16 24
T 30	8 48	23 33	0 8	10 43	1 45	8 21	0 33	2 28	0 49	19 4	0 22	3 54	2 39	14 25	0 46	16 24
F 31	8n26	21s47	1n 6	9n57	1n44	8s50	0s38	2n13	0n48	19n 1	0n22	3n52	2s40	14s25	0s46	16n23

Julian Day Number = 2482803.5, Delta T = 86.92 sec
Ecliptic obliquity = 23°25'41", Nutation = 0°00'18", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°56'10", Lahiri = 25°03'10"

ASTRODIENST EPHEMERIS for the year 2085
geocentric

SEPTEMBER 2085

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 43 31	9 ¹⁸ 18'21	26 ²³ 27	10 ¹⁸ 30	22 ²¹ 18	26 ¹⁸ 56	6 ¹² 39	16°R 2	23°R24	14 ¹² 59	20°R 8	29°R22	28 ²⁷ 9	29 ¹² 1	10 ¹¹ 26	S 1
S 2	22 47 27	10°16'23	11 ²² 20	12°25	23°25	27°35	6°51	15°59	23 ²² 22	15° 1	20°V 7	29 ²⁷ 17	28° 6	29° 7	10°27	S 2
M 3	22 51 24	11°14'26	26°29	14°18	24°33	28°13	7° 3	15°55	23°19	15° 3	20° 6	29° 9	28° 3	29°14	10°28	M 3
T 4	22 55 20	12°12'31	11 ¹⁸ 47	16°11	25°40	28°52	7°15	15°52	23°17	15° 5	20° 6	29° 0	28° 0	29°21	10°29	T 4
W 5	22 59 17	13°10'37	27° 2	18° 3	26°48	29°31	7°27	15°48	23°15	15° 7	20° 5	28°49	27°57	29°28	10°30	W 5
T 6	23 3 14	14° 8'46	12°V 2	19°53	27°55	0 ¹² 9	7°39	15°45	23°13	15° 9	20° 4	28°39	27°53	29°34	10°31	T 6
F 7	23 7 10	15° 6'56	26°40	21°43	29° 2	0°48	7°51	15°41	23°11	15°11	20° 3	28°31	27°50	29°41	10°31	F 7
S 8	23 11 7	16° 5'08	10 ¹⁸ 49	23°31	0 ¹⁸ 9	1°26	8° 3	15°37	23° 9	15°13	20° 2	28°24	27°47	29°48	10°32	S 8
S 9	23 15 3	17° 3'22	24°28	25°18	1°15	2° 5	8°15	15°34	23° 6	15°15	20° 1	28°20	27°44	29°54	10°32	S 9
M10	23 19 0	18° 1'38	7 ¹¹ 38	27° 4	2°22	2°44	8°26	15°30	23° 4	15°17	20° 0	28°19	27°41	0 ¹⁸ 1	10°33	M10
T 11	23 22 56	18°59'56	20°23	28°48	3°28	3°23	8°38	15°26	23° 2	15°19	19°59	28°D18	27°37	0° 8	10°33	T 11
W12	23 26 53	19°58'17	2 ¹² 47	0 ¹² 32	4°34	4° 1	8°50	15°22	23° 0	15°21	19°58	28°R18	27°34	0°15	10°33	W12
T 13	23 30 49	20°56'39	14°55	2°14	5°41	4°40	9° 1	15°18	22°58	15°23	19°57	28°17	27°31	0°21	10°33	T 13
F 14	23 34 46	21°55'04	26°53	3°55	6°47	5°19	9°13	15°14	22°56	15°25	19°56	28°15	27°28	0°28	10°34	F 14
S 15	23 38 43	22°53'30	8 ¹² 45	5°35	7°52	5°58	9°24	15°10	22°54	15°27	19°55	28° 9	27°25	0°35	10°34	S 15
S 16	23 42 39	23°51'59	20°34	7°14	8°58	6°37	9°35	15° 5	22°52	15°28	19°54	28° 1	27°22	0°41	10°34	S 16
M17	23 46 36	24°50'29	2 ¹⁸ 24	8°52	10° 3	7°16	9°46	15° 1	22°50	15°30	19°53	27°50	27°18	0°48	10°34	M17
T 18	23 50 32	25°49'02	14°18	10°29	11° 9	7°55	9°58	14°57	22°48	15°32	19°52	27°37	27°15	0°55	10°34	T 18
W19	23 54 29	26°47'36	26°16	12° 5	12°14	8°34	10° 9	14°53	22°46	15°34	19°51	27°23	27°12	1° 1	10°33	W19
T 20	23 58 25	27°46'12	8 ¹² 21	13°40	13°19	9°13	10°20	14°48	22°45	15°36	19°50	27° 9	27° 9	1° 8	10°33	T 20
F 21	0 2 22	28°44'51	20°32	15°14	14°23	9°53	10°30	14°44	22°43	15°37	19°49	26°56	27° 6	1°15	10°33	F 21
S 22	0 6 18	29°43'31	2 ¹⁸ 52	16°47	15°28	10°32	10°41	14°39	22°41	15°39	19°48	26°45	27° 3	1°22	10°32	S 22
S 23	0 10 15	0 ¹² 42'13	15°21	18°19	16°32	11°11	10°52	14°35	22°39	15°41	19°47	26°37	26°59	1°28	10°32	S 23
M24	0 14 11	1°40'56	28° 1	19°50	17°36	11°50	11° 3	14°30	22°38	15°42	19°46	26°32	26°56	1°35	10°31	M24
T 25	0 18 8	2°39'42	10 ¹⁸ 56	21°20	18°40	12°30	11°13	14°26	22°36	15°44	19°45	26°30	26°53	1°42	10°31	T 25
W26	0 22 5	3°38'29	24° 7	22°48	19°44	13° 9	11°24	14°21	22°34	15°46	19°44	26°D29	26°50	1°48	10°30	W26
T 27	0 26 1	4°37'18	7 ¹² 37	24°16	20°47	13°48	11°34	14°17	22°33	15°47	19°42	26°R29	26°47	1°55	10°29	T 27
F 28	0 29 58	5°36'08	21°29	25°43	21°50	14°28	11°44	14°12	22°31	15°49	19°41	26°28	26°43	2° 2	10°29	F 28
S 29	0 33 54	6°35'00	5 ¹² 43	27° 9	22°53	15° 7	11°54	14° 7	22°30	15°51	19°40	26°26	26°40	2° 9	10°28	S 29
S 30	0 37 51	7 ¹² 33'54	20 ¹⁸ 19	28 ¹² 34	23 ¹⁸ 55	15 ¹² 47	12 ¹² 4	14°V 3	22 ²² 28	15 ¹² 52	19°V39	26 ²⁷ 21	26 ²⁷ 37	2 ¹⁸ 15	10 ¹¹ 27	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	8n 5	18s35	2n18	9n12	1n42	9s20	0s42	1n57	0n48	18n58	0n22	3n51	2s40	14s26	0s46	16n22	0n 3	8s16	17s24	23s26	23s25	7n36	17n57	4s 5	4s 5
S 2	7 43	14 7	3 23	8 25	1 39	9 49	0 47	1 41	0 47	18 55	0 22	3 49	2 40	14 27	0 46	16 22	0 3	8 16	17 24	23 26	23 25	7 33	17 57	4 6	4 6
M 3	7 21	8 41	4 14	7 39	1 36	10 18	0 51	1 25	0 47	18 52	0 23	3 48	2 40	14 27	0 46	16 21	0 3	8 17	17 24	23 26	23 25	7 30	17 57	4 7	4 7
T 4	6 59	2 42	4 48	6 52	1 32	10 47	0 55	1 10	0 46	18 49	0 23	3 46	2 40	14 28	0 46	16 21	0 3	8 17	17 25	23 25	23 25	7 27	17 56	4 7	4 7
W 5	6 36	3n26	5 1	6 5	1 28	11 15	1 0	0 54	0 46	18 46	0 23	3 45	2 41	14 29	0 46	16 20	0 3	8 18	17 25	23 25	23 25	7 25	17 56	4 7	4 7
T 6	6 14	9 15	4 53	5 17	1 24	11 44	1 4	0 38	0 46	18 43	0 23	3 43	2 41	14 30	0 46	16 20	0 3	8 19	17 25	23 25	23 25	7 22	17 56	4 7	4 7
F 7	5 52	14 25	4 26	4 30	1 19	12 12	1 9	0 22	0 45	18 40	0 23	3 42	2 41	14 30	0 46	16 19	0 3	8 19	17 25	23 25	23 25	7 19	17 56	4 8	4 8
S 8	5 29	18 36	3 43	3 42	1 14	12 40	1 14	0 7	0 45	18 37	0 23	3 40	2 41	14 31	0 46	16 18	0 3	8 20	17 25	23 25	23 25	7 17	17 55	4 8	4 8
S 9	5 7	21 36	2 49	2 55	1 9	13 8	1 18	0s 9	0 44	18 34	0 23	3 39	2 41	14 32	0 46	16 18	0 3	8 20	17 26	23 25	23 25	7 14	17 55	4 8	4 8
M10	4 44	23 20	1 47	2 8	1 3	13 35	1 23	0 25	0 44	18 31	0 23	3 37	2 41	14 32	0 46	16 17	0 3	8 21	17 26	23 25	23 24	7 11	17 55	4 9	4 9
T 11	4 21	23 47	0 42	1 21	0 57	14 2	1 27	0 41	0 43	18 28	0 24	3 35	2 42	14 33	0 46	16 17	0 3	8 21	17 26	23 25	23 24	7 9	17 54	4 9	4 9
W12	3 58	23 0	0s24	0 34	0 51	14 29	1 32	0 57	0 43	18 26	0 24	3 34	2 42	14 34	0 46	16 16	0 3	8 22	17 26	23 25	23 24	7 6	17 54	4 10	4 10
T 13	3 35	21 9	1 27	0s12	0 45	14 56	1 37	1 13	0 42	18 23	0 24	3 32	2 42	14 34	0 46	16 16	0 3	8 22	17 26	23 25	23 24	7 3	17 54	4 10	4 10
F 14	3 12	18 24	2 25	0 59	0 38	15 22	1 41	1 28	0 42	18 20	0 24	3 30	2 42	14 35	0 46	16 15	0 3	8 23	17 27	23 25	23 24	7 0	17 53	4 10	4 10
S 15	2 49	14 54	3 16	1 44	0 31	15 48	1 46	1 44	0 41	18 17	0 24	3 28	2 42	14 36	0 46	16 15	0 3	8 23	17 27	23 25	23 24	6 58	17 53	4 11	4 11
S 16	2 26	10 51	3 59	2 30	0 24	16 14	1 51	2 0	0 41	18 14	0 24	3 27	2 42	14 36	0 46	16 14	0 3	8 24	17 27	23 25	23 24	6 55	17 53	4 11	4 11
M17	2 3	6 24	4 31	3 15	0 17	16 39	1 55	2 16	0 40	18 11	0 24	3 25	2 42	14 37	0 46	16 13	0 3	8 24	17 27	23 25	23 24	6 52	17 52	4 11	4 11
T 18	1 40	1 41	4 52	4 0	0 10	17 4	2 0	2 32	0 40	18 8	0 25	3 23	2 43	14 37	0 46	16 13	0 3	8 25	17 27	23 24	23 24	6 50	17 52	4 12	4 12
W19	1 16	3s 6	4 59	4 44	0 3	17 29	2 5	2 48	0 39	18 5	0 25	3 21	2 43	14 38	0 46	16 12	0 3	8 25	17 27	23 24	23 24	6 47	17 51	4 12	4 12
T 20	0 53	7 48	4 54	5 27	0s 4	17 53	2 9	3 4	0 39	18 3	0 25	3 20	2 43	14 39	0 46	16 12	0 3	8 26	17 28	23 24	23 24	6 44	17 51	4 13	4 13
F 21	0 30	12 16	4 35	6 11	0 12	18 17	2 14	3 19	0 38	18 0	0 25	3 18	2 43	14 39	0 45	16 11	0 3	8 26	17 28	23 24	23 24	6 41	17 51	4 13	4 13
S 22	0 7	16 16	4 3	6 53	0 19	18 40	2 19	3 35	0 38	17 57	0 25	3 16	2 43	14 40	0 45	16 11	0 3	8 27	17 28	23 23	23 24	6 39	17 50	4 13	4 13
S 23	0s17	19 36	3 19	7 35	0 27	19 3	2 23	3 51	0 37	17 54	0 25	3 14	2 43	14 40	0 45	16 10	0 3	8 27	17 28	23 23	23 24	6 36	17 50	4 14	4 14
M24	0 40	22 3	2 24	8 17	0 34	19 26	2 28	4 7	0 37	17 51	0 25	3 12	2 43	14 41	0 45	16 10	0 3	8 28	17 28	23 23	23 24	6 33	17 49	4 14	4 14
T 25	1 3	23 25	1 21	8 57	0 42	19 48	2 32	4 23	0 36	17 49	0 26	3 11	2 43	14 41	0 45	16 9	0 3	8 28	17 28	23 23	23 23	6 31	17 49	4 14	4 14
W26	1 27	23 30	0 13	9 38	0 49	20 10	2 37	4 38	0 36	17 46	0 26	3 9	2 43	14 42	0 45	16 9	0 3	8 29	17 28	23 23	23 23	6 28	17 48	4 15	4 15
T 27	1 50	22 14	0n59	10 17	0 57	20 32	2 41	4 54	0 35	17 43	0 26	3 7	2 43	14 42	0 45	16 9	0 3	8 29	17 28	23 23	23 23	6 25	17 48	4 15	4 15
F 28	2 13	19 36	2 8	10 56	1 4	20 53	2 46	5 10	0 35	17 41	0 26	3 5	2 43	14 43	0 45	16 8	0 3	8 30	17 28	23 23	23 23	6 22	17 47	4 16	4 16
S 29	2 37	15 44	3 12	11 34	1 12	21 14	2 50	5 25	0 34	17 38	0 26	3 3	2 44	14 43	0 45	16 8	0 3	8 30	17 29	23 23	23 23	6 20	17 47	4 16	4 16
S 30	3s 0	10s51	4n 4	12s11	1s19	21s34	2s55	5s41	0n34	17n35	0n26	3n 1	2s44	14s44	0s45	16n 7	0n 3	8s31	17s29	23s23	23s23	6n17	17n47	4s16	4s16

ASTRODIENST EPHEMERIS for the year 2085
geocentric

OCTOBER 2085

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 41 47	8♂32'50	5♂12	29♂58	24♂58	16♂26	12♂14	13°R58	22°R27	15♂54	19°R38	26°R13	26♂34	2♂22	10°R26	M 1
T 2	0 45 44	9°31'47	20°15	1♂20	26° 0	17° 6	12°24	13°Y53	22°≈25	15°55	19°Y37	26♂4	26°31	2°29	10♂25	T 2
W 3	0 49 40	10°30'46	5°Y19	2°42	27° 2	17°45	12°34	13°49	22°24	15°57	19°36	25°53	26°28	2°35	10°24	W 3
T 4	0 53 37	11°29'48	20°13	4° 2	28° 3	18°25	12°44	13°44	22°23	15°58	19°35	25°42	26°24	2°42	10°22	T 4
F 5	0 57 34	12°28'51	4♂50	5°22	29° 4	19° 5	12°53	13°39	22°21	15°59	19°33	25°33	26°21	2°49	10°21	F 5
S 6	1 1 30	13°27'56	19° 1	6°39	0♂7 5	19°44	13° 3	13°34	22°20	16° 1	19°32	25°26	26°18	2°56	10°20	S 6
S 7	1 5 27	14°27'04	2♂44	7°56	1° 5	20°24	13°12	13°30	22°19	16° 2	19°31	25°21	26°15	3° 2	10°18	S 7
M 8	1 9 23	15°26'14	15°59	9°11	2° 5	21° 4	13°21	13°25	22°18	16° 3	19°30	25°19	26°12	3° 9	10°17	M 8
T 9	1 13 20	16°25'27	28°48	10°25	3° 5	21°44	13°30	13°20	22°17	16° 5	19°29	25°D19	26° 8	3°16	10°15	T 9
W10	1 17 16	17°24'41	11♂15	11°37	4° 4	22°23	13°39	13°15	22°16	16° 6	19°28	25°19	26° 5	3°22	10°14	W10
T 11	1 21 13	18°23'58	23°25	12°47	5° 4	23° 3	13°48	13°11	22°15	16° 7	19°27	25°R19	26° 2	3°29	10°12	T 11
F 12	1 25 9	19°23'18	5♂23	13°56	6° 2	23°43	13°57	13° 6	22°14	16° 8	19°25	25°18	25°59	3°36	10°11	F 12
S 13	1 29 6	20°22'39	17°15	15° 2	7° 0	24°23	14° 5	13° 1	22°13	16°10	19°24	25°14	25°56	3°43	10° 9	S 13
S 14	1 33 3	21°22'03	29° 5	16° 7	7°58	25° 3	14°14	12°57	22°12	16°11	19°23	25° 8	25°53	3°49	10° 7	S 14
M15	1 36 59	22°21'29	10♂57	17° 9	8°55	25°43	14°22	12°52	22°11	16°12	19°22	25° 0	25°49	3°56	10° 5	M15
T 16	1 40 56	23°20'57	22°55	18° 8	9°52	26°24	14°31	12°48	22°10	16°13	19°21	24°49	25°46	4° 3	10° 3	T 16
W17	1 44 52	24°20'27	5♂ 0	19° 5	10°49	27° 4	14°39	12°43	22°10	16°14	19°20	24°38	25°43	4° 9	10° 1	W17
T 18	1 48 49	25°20'00	17°15	19°58	11°45	27°44	14°47	12°38	22° 9	16°15	19°18	24°26	25°40	4°16	9°59	T 18
F 19	1 52 45	26°19'34	29°40	20°48	12°40	28°24	14°55	12°34	22° 8	16°16	19°17	24°16	25°37	4°23	9°57	F 19
S 20	1 56 42	27°19'10	12♂16	21°35	13°35	29° 5	15° 2	12°29	22° 8	16°17	19°16	24° 7	25°34	4°30	9°55	S 20
S 21	2 0 38	28°18'49	25° 2	22°17	14°30	29°45	15°10	12°25	22° 7	16°18	19°15	24° 1	25°30	4°36	9°53	S 21
M22	2 4 35	29°18'29	7♂59	22°55	15°23	0♂25	15°17	12°20	22° 7	16°19	19°14	23°57	25°27	4°43	9°50	M22
T 23	2 8 32	0♂18'12	21° 8	23°27	16°17	1° 6	15°25	12°16	22° 6	16°20	19°13	23°D56	25°24	4°50	9°48	T 23
W24	2 12 28	1°17'56	4♂29	23°54	17° 9	1°46	15°32	12°12	22° 6	16°21	19°12	23°56	25°21	4°56	9°46	W24
T 25	2 16 25	2°17'41	18° 4	24°15	18° 1	2°27	15°39	12° 7	22° 5	16°22	19°10	23°57	25°18	5° 3	9°43	T 25
F 26	2 20 21	3°17'29	1♂53	24°29	18°53	3° 7	15°46	12° 3	22° 5	16°22	19° 9	23°R58	25°14	5°10	9°41	F 26
S 27	2 24 18	4°17'18	15°58	24°R36	19°43	3°48	15°53	11°59	22° 5	16°23	19° 8	23°57	25°11	5°17	9°38	S 27
S 28	2 28 14	5°17'08	0♂17	24°35	20°33	4°28	15°59	11°55	22° 5	16°24	19° 7	23°55	25° 8	5°23	9°36	S 28
M29	2 32 11	6°17'00	14°47	24°26	21°22	5° 9	16° 6	11°51	22° 4	16°25	19° 6	23°50	25° 5	5°30	9°33	M29
T 30	2 36 7	7°16'54	29°25	24° 7	22°10	5°50	16°12	11°47	22° 4	16°25	19° 5	23°44	25° 2	5°37	9°31	T 30
W31	2 40 4	8♂16'49	14°Y 4	23♂40	22♂58	6♂30	16♂18	11°Y43	22°D 4	16♂26	19°Y 4	23♂37	24♂59	5♂43	9♂28	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	3s23	5s14	4n41	12s48	1s26	21s53	2s59	5s57	0n33	17n33	0n26	3n 0	2s44	14s44	0s45	16n 7
T 2	3 46	0n44	5 0	13 24	1 33	22 13	3 3	6 12	0 33	17 30	0 27	2 58	2 44	14 45	0 45	16 6
W 3	4 10	6 39	4 57	13 59	1 41	22 31	3 7	6 28	0 32	17 27	0 27	2 56	2 44	14 45	0 45	16 6
T 4	4 33	12 8	4 34	14 33	1 48	22 50	3 12	6 43	0 32	17 25	0 27	2 54	2 44	14 46	0 45	16 5
F 5	4 56	16 48	3 54	15 6	1 55	23 7	3 16	6 59	0 31	17 22	0 27	2 52	2 44	14 46	0 45	16 5
S 6	5 19	20 21	3 0	15 38	2 1	23 25	3 20	7 14	0 31	17 20	0 27	2 50	2 44	14 46	0 45	16 5
S 7	5 42	22 36	1 57	16 10	2 8	23 42	3 24	7 30	0 30	17 17	0 27	2 48	2 44	14 47	0 45	16 4
M 8	6 5	23 31	0 49	16 40	2 14	23 58	3 28	7 45	0 30	17 15	0 28	2 47	2 44	14 47	0 45	16 4
T 9	6 27	23 7	0s19	17 10	2 20	24 14	3 32	8 1	0 29	17 12	0 28	2 45	2 44	14 47	0 45	16 4
W10	6 50	21 34	1 24	17 38	2 26	24 29	3 36	8 16	0 29	17 10	0 28	2 43	2 44	14 48	0 45	16 3
T 11	7 13	19 2	2 24	18 5	2 32	24 44	3 39	8 31	0 28	17 7	0 28	2 41	2 44	14 48	0 45	16 3
F 12	7 35	15 44	3 16	18 31	2 38	24 58	3 43	8 47	0 28	17 5	0 28	2 39	2 44	14 48	0 45	16 2
S 13	7 57	11 51	4 0	18 56	2 43	25 11	3 46	9 2	0 27	17 3	0 28	2 38	2 44	14 48	0 45	16 2
S 14	8 20	7 31	4 33	19 19	2 47	25 24	3 50	9 17	0 27	17 0	0 29	2 36	2 44	14 49	0 45	16 2
M15	8 42	2 55	4 54	19 42	2 52	25 37	3 53	9 32	0 26	16 58	0 29	2 34	2 44	14 49	0 45	16 1
T 16	9 4	1s50	5 3	20 2	2 56	25 49	3 56	9 47	0 26	16 56	0 29	2 32	2 44	14 49	0 45	16 1
W17	9 26	6 33	4 58	20 22	2 59	26 1	4 0	10 2	0 25	16 54	0 29	2 31	2 44	14 49	0 45	16 1
T 18	9 48	11 5	4 40	20 39	3 2	26 11	4 3	10 17	0 25	16 52	0 29	2 29	2 43	14 50	0 45	16 1
F 19	10 9	15 13	4 8	20 55	3 5	26 22	4 6	10 32	0 24	16 49	0 29	2 27	2 43	14 50	0 45	16 0
S 20	10 31	18 44	3 24	21 9	3 7	26 32	4 8	10 46	0 23	16 47	0 30	2 25	2 43	14 50	0 45	16 0
S 21	10 52	21 25	2 28	21 22	3 8	26 41	4 11	11 1	0 23	16 45	0 30	2 24	2 43	14 50	0 45	16 0
M22	11 13	23 1	1 25	21 32	3 8	26 50	4 14	11 16	0 22	16 43	0 30	2 22	2 43	14 50	0 45	15 59
T 23	11 34	23 23	0 15	21 40	3 8	26 58	4 16	11 30	0 22	16 41	0 30	2 21	2 43	14 50	0 45	15 59
W24	11 55	22 25	0n56	21 45	3 7	27 5	4 18	11 45	0 21	16 39	0 30	2 19	2 43	14 50	0 45	15 59
T 25	12 16	20 8	2 6	21 48	3 4	27 12	4 20	11 59	0 21	16 37	0 31	2 17	2 43	14 51	0 45	15 59
F 26	12 36	16 39	3 10	21 48	3 1	27 19	4 22	12 14	0 20	16 36	0 31	2 16	2 43	14 51	0 44	15 58
S 27	12 57	12 10	4 3	21 45	2 56	27 25	4 24	12 28	0 20	16 34	0 31	2 14	2 43	14 51	0 44	15 58
S 28	13 17	6 58	4 42	21 39	2 50	27 30	4 26	12 42	0 19	16 32	0 31	2 13	2 43	14 51	0 44	15 58
M29	13 37	1 19	5 4	21 29	2 42	27 35	4 27	12 56	0 19	16 30	0 31	2 11	2 43	14 51	0 44	15 58
T 30	13 56	4n27	5 6	21 16	2 33	27 40	4 28	13 10	0 18	16 28	0 31	2 10	2 42	14 51	0 44	15 58
W31	14s16	9n59	4n49	20s59	2s22	27s43	4s29	13s24	0n17	16n27	0n32	2n 8	2s42	14s51	0s44	15n57

Julian Day Number = 2482864.5, Delta T = 86.99 sec
Ecliptic obliquity = 23°25'41", Nutation = 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°56'18, Lahiri = 25°03'18

ASTRODIENST EPHEMERIS for the year 2085

geocentric

NOVEMBER 2085

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 44 0	9♉16'47	28♊37	23°R 3	23♊44	7♉11	16♊24	11°R39	22≈ 4	16♊27	19°R 3	23°R29	24♊55	5♉50	9°R25	T 1	
F 2	2 47 57	10°16'46	12♋57	22♉16	24°30	7°52	16°30	11°Y35	22° 4	16°27	19°Y 2	23♊23	24°52	5°57	9♉22	F 2	
S 3	2 51 54	11°16'47	26°57	21°21	25°15	8°33	16°36	11°31	22° 4	16°28	19° 1	23°18	24°49	6° 4	9°20	S 3	
S 4	2 55 50	12°16'50	10♈35	20°18	25°59	9°14	16°41	11°28	22° 5	16°28	19° 0	23°16	24°46	6°10	9°17	S 4	
M 5	2 59 47	13°16'55	23°49	19° 8	26°42	9°55	16°46	11°24	22° 5	16°29	18°59	23°D15	24°43	6°17	9°14	M 5	
T 6	3 3 43	14°17'02	6♌40	17°53	27°23	10°36	16°52	11°20	22° 5	16°29	18°58	23°16	24°40	6°24	9°11	T 6	
W 7	3 7 40	15°17'11	19°10	16°34	28° 4	11°17	16°57	11°17	22° 5	16°29	18°56	23°17	24°36	6°30	9° 8	W 7	
T 8	3 11 36	16°17'22	1♍24	15°15	28°43	11°58	17° 1	11°13	22° 6	16°30	18°55	23°19	24°33	6°37	9° 5	T 8	
F 9	3 15 33	17°17'35	13°25	13°58	29°22	12°39	17° 6	11°10	22° 6	16°30	18°54	23°R20	24°30	6°44	9° 2	F 9	
S 10	3 19 30	18°17'50	25°18	12°45	29°59	13°20	17°11	11° 7	22° 7	16°30	18°53	23°20	24°27	6°51	8°59	S 10	
S 11	3 23 26	19°18'07	7♎10	11°39	0♏35	14° 1	17°15	11° 4	22° 7	16°31	18°52	23°18	24°24	6°57	8°56	S 11	
M12	3 27 23	20°18'26	19° 4	10°41	1° 9	14°43	17°19	11° 0	22° 8	16°31	18°52	23°15	24°20	7° 4	8°53	M12	
T 13	3 31 19	21°18'47	1♌ 4	9°54	1°42	15°24	17°23	10°57	22° 8	16°31	18°51	23°10	24°17	7°11	8°49	T 13	
W14	3 35 16	22°19'10	13°15	9°17	2°14	16° 5	17°27	10°54	22° 9	16°31	18°50	23° 5	24°14	7°17	8°46	W14	
T 15	3 39 12	23°19'35	25°39	8°53	2°44	16°47	17°31	10°52	22°10	16°31	18°49	22°59	24°11	7°24	8°43	T 15	
F 16	3 43 9	24°20'01	8♉16	8°39	3°13	17°28	17°34	10°49	22°10	16°31	18°48	22°54	24° 8	7°31	8°40	F 16	
S 17	3 47 5	25°20'29	21° 9	8°D38	3°40	18°10	17°37	10°46	22°11	16°32	18°47	22°50	24° 5	7°38	8°37	S 17	
S 18	3 51 2	26°20'59	4♊16	8°47	4° 6	18°51	17°40	10°44	22°12	16°R32	18°46	22°48	24° 1	7°44	8°33	S 18	
M19	3 54 59	27°21'30	17°37	9° 6	4°29	19°33	17°43	10°41	22°13	16°32	18°45	22°D47	23°58	7°51	8°30	M19	
T 20	3 58 55	28°22'03	1♊10	9°35	4°51	20°14	17°46	10°39	22°14	16°31	18°44	22°47	23°55	7°58	8°27	T 20	
W21	4 2 52	29°22'37	14°54	10°12	5°11	20°56	17°49	10°36	22°15	16°31	18°43	22°48	23°52	8° 4	8°23	W21	
T 22	4 6 48	0♊23'13	28°47	10°57	5°29	21°38	17°51	10°34	22°16	16°31	18°43	22°49	23°49	8°11	8°20	T 22	
F 23	4 10 45	1°23'50	12♋47	11°48	5°45	22°19	17°53	10°32	22°17	16°31	18°42	22°51	23°46	8°18	8°17	F 23	
S 24	4 14 41	2°24'27	26°54	12°45	5°59	23° 1	17°55	10°30	22°18	16°31	18°41	22°R51	23°42	8°25	8°13	S 24	
S 25	4 18 38	3°25'06	11♋ 5	13°48	6°11	23°43	17°57	10°28	22°20	16°31	18°40	22°51	23°39	8°31	8°10	S 25	
M26	4 22 34	4°25'46	25°18	14°54	6°20	24°25	17°58	10°26	22°21	16°30	18°39	22°50	23°36	8°38	8° 7	M26	
T 27	4 26 31	5°26'26	9♊32	16° 5	6°27	25° 7	18° 0	10°25	22°22	16°30	18°39	22°49	23°33	8°45	8° 3	T 27	
W28	4 30 28	6°27'08	23°42	17°19	6°32	25°49	18° 1	10°23	22°24	16°30	18°38	22°46	23°30	8°51	8° 0	W28	
T 29	4 34 24	7°27'51	7♋44	18°35	6°35	26°31	18° 2	10°21	22°25	16°30	18°37	22°44	23°26	8°58	7°56	T 29	
F 30	4 38 21	8♊28'36	21♋37	19♉55	6°R35	27♉13	18♊ 3	10°Y20	22≈26	16♊29	18°Y37	22♊42	23♊23	9♉ 5	7♉53	F 30	

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s35	14n54	4n12	20s37	2s10	27s47	4s30	13s38	0n17	16n25	0n32	2n 7	2s42	14s51	0s44	15n57	0n 3
F 2	14 54	18 54	3 21	20 12	1 56	27 49	4 31	13 52	0 16	16 24	0 32	2 6	2 42	14 51	0 44	15 57	0 3
S 3	15 12	21 42	2 18	19 42	1 40	27 52	4 31	14 6	0 16	16 22	0 32	2 4	2 42	14 51	0 44	15 57	0 3
S 4	15 31	23 9	1 8	19 8	1 23	27 53	4 32	14 19	0 15	16 21	0 32	2 3	2 42	14 50	0 44	15 57	0 3
M 5	15 49	23 14	0s 3	18 31	1 4	27 55	4 32	14 33	0 15	16 19	0 33	2 2	2 42	14 50	0 44	15 57	0 3
T 6	16 7	22 3	1 12	17 51	0 44	27 55	4 31	14 46	0 14	16 18	0 33	2 0	2 41	14 50	0 44	15 57	0 3
W 7	16 25	19 48	2 16	17 10	0 24	27 56	4 31	15 0	0 14	16 17	0 33	1 59	2 41	14 50	0 44	15 56	0 3
T 8	16 42	16 42	3 13	16 27	0 3	27 55	4 30	15 13	0 13	16 15	0 33	1 58	2 41	14 50	0 44	15 56	0 3
F 9	16 59	12 58	4 0	15 45	0n18	27 55	4 29	15 26	0 12	16 14	0 33	1 57	2 41	14 50	0 44	15 56	0 3
S 10	17 16	8 45	4 36	15 4	0 37	27 54	4 28	15 39	0 12	16 13	0 34	1 56	2 41	14 50	0 44	15 56	0 3
S 11	17 33	4 14	5 0	14 26	0 56	27 52	4 26	15 52	0 11	16 12	0 34	1 55	2 41	14 49	0 44	15 56	0 3
M12	17 49	0s27	5 11	13 52	1 13	27 50	4 24	16 4	0 11	16 11	0 34	1 54	2 40	14 49	0 44	15 56	0 4
T 13	18 5	5 9	5 9	13 22	1 29	27 47	4 22	16 17	0 10	16 10	0 34	1 53	2 40	14 49	0 44	15 56	0 4
W14	18 20	9 43	4 53	12 58	1 43	27 44	4 20	16 29	0 10	16 9	0 35	1 52	2 40	14 49	0 44	15 56	0 4
T 15	18 36	13 59	4 23	12 39	1 54	27 41	4 17	16 42	0 9	16 8	0 35	1 51	2 40	14 48	0 44	15 56	0 4
F 16	18 51	17 43	3 40	12 25	2 4	27 37	4 14	16 54	0 8	16 7	0 35	1 50	2 40	14 48	0 44	15 56	0 4
S 17	19 5	20 41	2 45	12 17	2 12	27 33	4 10	17 6	0 8	16 6	0 35	1 49	2 39	14 48	0 44	15 56	0 4
S 18	19 20	22 37	1 40	12 15	2 18	27 28	4 6	17 18	0 7	16 5	0 35	1 48	2 39	14 48	0 44	15 56	0 4
M19	19 34	23 19	0 28	12 17	2 22	27 23	4 2	17 30	0 7	16 5	0 36	1 47	2 39	14 47	0 44	15 56	0 4
T 20	19 47	22 39	0n46	12 23	2 25	27 17	3 57	17 42	0 6	16 4	0 36	1 47	2 39	14 47	0 44	15 56	0 4
W21	20 0	20 38	1 59	12 34	2 26	27 11	3 52	17 54	0 5	16 3	0 36	1 46	2 39	14 46	0 44	15 56	0 4
T 22	20 13	17 22	3 5	12 47	2 26	27 5	3 47	18 5	0 5	16 3	0 36	1 45	2 38	14 46	0 44	15 56	0 4
F 23	20 26	13 6	4 2	13 4	2 25	26 59	3 41	18 16	0 4	16 3	0 36	1 45	2 38	14 46	0 44	15 56	0 4
S 24	20 38	8 6	4 44	13 23	2 23	26 51	3 34	18 28	0 4	16 2	0 37	1 44	2 38	14 45	0 43	15 56	0 4
S 25	20 50	2 39	5 9	13 45	2 20	26 44	3 27	18 39	0 3	16 2	0 37	1 43	2 38	14 45	0 43	15 56	0 4
M26	21 1	2n57	5 15	14 8	2 16	26 36	3 20	18 49	0 3	16 2	0 37	1 43	2 37	14 44	0 43	15 56	0 4
T 27	21 12	8 24	5 2	14 32	2 12	26 28	3 12	19 0	0 2	16 1	0 37	1 43	2 37	14 44	0 43	15 56	0 4
W28	21 23	13 23	4 31	14 58	2 7	26 20	3 4	19 11	0 1	16 1	0 38	1 42	2 37	14 43	0 43	15 57	0 4
T 29	21 33	17 36	3 43	15 24	2 2	26 11	2 55	19 21	0 1	16 1	0 38	1 42	2 37	14 43	0 43	15 57	0 4
F 30	21s42	20n47	2n43	15s51	1n56	26s 1	2s46	19s31	0n 0	16n 1	0n38	1n41	2s37	14s42	0s43	15n57	0n 4

Julian Day Number = 2482895.5, Delta T = 87.02 sec
 Ecliptic obliquity = 23°25'41, Nutation = 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°56'22, Lahiri = 25°03'23

ASTRODIENST EPHEMERIS for the year 2085
geocentric

DECEMBER 2085

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	4 42 17	9♉29'21	5♊15	21♋16	6°R33	27♌55	18♍3	10°R19	22♎28	16°R29	18°R36	22°R41	23♏20	9♐12	7°R50	S 1
S 2	4 46 14	10°30'08	18°36	22°39	6♋28	28°37	18° 4	10°Y18	22°30	16♌28	18°Y35	22°D40	23°17	9°18	7♊46	S 2
M 3	4 50 10	11°30'56	1♉40	24° 3	6°21	29°19	18° 4	10°17	22°31	16°28	18°35	22♎41	23°14	9°25	7°43	M 3
T 4	4 54 7	12°31'45	14°26	25°29	6°11	0♉1	18°R 4	10°16	22°33	16°27	18°34	22°41	23°11	9°32	7°40	T 4
W 5	4 58 3	13°32'35	26°55	26°56	5°59	0°44	18° 4	10°15	22°34	16°27	18°33	22°42	23° 7	9°39	7°36	W 5
T 6	5 2 0	14°33'27	9♌9	28°23	5°44	1°26	18° 4	10°14	22°36	16°26	18°33	22°43	23° 4	9°45	7°33	T 6
F 7	5 5 57	15°34'20	21°11	29°52	5°27	2° 8	18° 3	10°13	22°38	16°26	18°32	22°44	23° 1	9°52	7°29	F 7
S 8	5 9 53	16°35'14	3♐6	1♉21	5° 8	2°51	18° 2	10°13	22°40	16°25	18°32	22°44	22°58	9°59	7°26	S 8
S 9	5 13 50	17°36'09	14°59	2°50	4°46	3°33	18° 1	10°12	22°42	16°24	18°31	22°R45	22°55	10° 5	7°23	S 9
M10	5 17 46	18°37'05	26°52	4°20	4°23	4°16	18° 0	10°12	22°44	16°23	18°31	22°45	22°52	10°12	7°19	M10
T 11	5 21 43	19°38'03	8♉53	5°51	3°57	4°58	17°59	10°12	22°46	16°23	18°30	22°44	22°48	10°19	7°16	T 11
W12	5 25 39	20°39'02	21° 4	7°22	3°29	5°41	17°57	10°12	22°48	16°22	18°30	22°44	22°45	10°26	7°13	W12
T 13	5 29 36	21°40'02	3♋11	8°53	2°59	6°24	17°55	10°D12	22°50	16°21	18°29	22°44	22°42	10°32	7°10	T 13
F 14	5 33 32	22°41'03	16°15	10°24	2°28	7° 6	17°54	10°12	22°52	16°20	18°29	22°D44	22°39	10°39	7° 6	F 14
S 15	5 37 29	23°42'05	29°19	11°56	1°55	7°49	17°51	10°12	22°54	16°19	18°29	22°44	22°36	10°46	7° 3	S 15
S 16	5 41 26	24°43'08	12♎44	13°28	1°22	8°32	17°49	10°12	22°56	16°19	18°28	22°44	22°32	10°52	7° 0	S 16
M17	5 45 22	25°44'12	26°27	15° 0	0°47	9°15	17°47	10°13	22°58	16°18	18°28	22°R44	22°29	10°59	6°57	M17
T 18	5 49 19	26°45'17	10♋28	16°32	0°11	9°57	17°44	10°13	23° 0	16°17	18°27	22°44	22°26	11° 6	6°54	T 18
W19	5 53 15	27°46'22	24°41	18° 5	29♎35	10°40	17°41	10°14	23° 3	16°16	18°27	22°43	22°23	11°13	6°50	W19
T 20	5 57 12	28°47'27	9♉3	19°37	28°59	11°23	17°38	10°15	23° 5	16°15	18°27	22°43	22°20	11°19	6°47	T 20
F 21	6 1 8	29°48'33	23°27	21°10	28°22	12° 6	17°34	10°15	23° 7	16°14	18°27	22°42	22°17	11°26	6°44	F 21
S 22	6 5 5	0♉49'39	7♎50	22°43	27°46	12°49	17°31	10°16	23°10	16°13	18°26	22°41	22°13	11°33	6°41	S 22
S 23	6 9 1	1°50'45	22° 8	24°16	27°10	13°32	17°27	10°18	23°12	16°12	18°26	22°41	22°10	11°39	6°38	S 23
M24	6 12 58	2°51'52	6°Y17	25°50	26°35	14°15	17°23	10°19	23°15	16°11	18°26	22°D41	22° 7	11°46	6°35	M24
T 25	6 16 55	3°52'58	20°16	27°23	26° 1	14°59	17°19	10°20	23°17	16° 9	18°26	22°41	22° 4	11°53	6°32	T 25
W26	6 20 51	4°54'05	4♌4	28°57	25°28	15°42	17°15	10°22	23°20	16° 8	18°26	22°42	22° 1	12° 0	6°30	W26
T 27	6 24 48	5°55'12	17°40	0♉31	24°56	16°25	17°11	10°23	23°22	16° 7	18°25	22°43	21°58	12° 6	6°27	T 27
F 28	6 28 44	6°56'18	1♊4	2° 5	24°27	17° 8	17° 6	10°25	23°25	16° 6	18°25	22°44	21°54	12°13	6°24	F 28
S 29	6 32 41	7°57'26	14°15	3°40	23°58	17°52	17° 2	10°26	23°28	16° 5	18°25	22°45	21°51	12°20	6°21	S 29
S 30	6 36 37	8°58'33	27°14	5°15	23°32	18°35	16°57	10°28	23°30	16° 3	18°25	22°R45	21°48	12°27	6°18	S 30
M31	6 40 34	9♉59'40	10♉0	6♉50	23♎8	19♎18	16♌52	10°Y30	23♎33	16♌2	18°Y25	22♎44	21♎45	12♐33	6♊16	M31

Day	☉	☽		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s52	22n43	1n35	16s18	1n50	25s52	2s36	19s42	0s 0	16n 1	0n38	1n41	2s36	14s42	0s43	15n57	0n 4	8s47	17s21	23s14	23s16	3n29	17n 8	4s32	
S 2	22 1	23 19	0 22	16 45	1 43	25 41	2 25	19 52	0 1	16 1	0 38	1 41	2 36	14 41	0 43	15 57	0 4	8 47	17 21	23 14	23 15	3 27	17 7	4 32	
M 3	22 9	22 35	0s50	17 13	1 37	25 31	2 15	20 1	0 2	16 1	0 39	1 41	2 36	14 41	0 43	15 57	0 4	8 47	17 21	23 14	23 15	3 24	17 7	4 32	
T 4	22 17	20 42	1 58	17 40	1 30	25 20	2 3	20 11	0 2	16 1	0 39	1 41	2 36	14 40	0 43	15 57	0 4	8 47	17 20	23 14	23 15	3 21	17 6	4 32	
W 5	22 25	17 51	2 59	18 7	1 23	25 9	1 51	20 20	0 3	16 2	0 39	1 40	2 35	14 40	0 43	15 58	0 4	8 47	17 20	23 14	23 15	3 19	17 5	4 32	
T 6	22 32	14 16	3 50	18 34	1 16	24 57	1 39	20 30	0 3	16 2	0 39	1 40	2 35	14 39	0 43	15 58	0 4	8 46	17 20	23 14	23 15	3 16	17 5	4 32	
F 7	22 39	10 9	4 30	19 0	1 8	24 45	1 26	20 39	0 4	16 2	0 40	1 40	2 35	14 39	0 43	15 58	0 4	8 46	17 19	23 14	23 15	3 13	17 4	4 32	
S 8	22 45	5 43	4 59	19 25	1 1	24 32	1 13	20 48	0 5	16 3	0 40	1 40	2 35	14 38	0 43	15 58	0 4	8 46	17 19	23 14	23 14	3 11	17 4	4 32	
S 9	22 51	1 5	5 14	19 50	0 54	24 19	0 59	20 56	0 5	16 3	0 40	1 40	2 34	14 37	0 43	15 58	0 4	8 46	17 19	23 14	23 14	3 8	17 3	4 32	
M10	22 56	3s36	5 16	20 14	0 46	24 6	0 45	21 5	0 6	16 4	0 40	1 40	2 34	14 37	0 43	15 59	0 4	8 46	17 18	23 14	23 14	3 5	17 3	4 32	
T 11	23 1	8 11	5 5	20 38	0 39	23 52	0 30	21 13	0 7	16 5	0 40	1 41	2 34	14 36	0 43	15 59	0 4	8 46	17 18	23 14	23 14	3 3	17 2	4 32	
W12	23 6	12 32	4 39	21 0	0 32	23 38	0 15	21 22	0 7	16 5	0 41	1 41	2 34	14 35	0 43	15 59	0 4	8 46	17 18	23 14	23 14	3 0	17 2	4 32	
T 13	23 10	16 27	4 0	21 22	0 24	23 24	0 0	21 30	0 8	16 6	0 41	1 41	2 33	14 35	0 43	15 59	0 4	8 46	17 17	23 14	23 14	2 57	17 1	4 32	
F 14	23 14	19 42	3 9	21 43	0 17	23 9	0n15	21 37	0 8	16 7	0 41	1 41	2 33	14 34	0 43	16 0	0 4	8 45	17 17	23 14	23 13	2 54	17 0	4 32	
S 15	23 17	22 3	2 6	22 3	0 10	22 54	0 31	21 45	0 9	16 8	0 41	1 42	2 33	14 33	0 43	16 0	0 4	8 45	17 17	23 14	23 13	2 52	17 0	4 32	
S 16	23 19	23 14	0 55	22 22	0 3	22 39	0 46	21 52	0 10	16 9	0 42	1 42	2 32	14 32	0 43	16 0	0 4	8 45	17 16	23 14	23 13	2 49	16 59	4 32	
M17	23 22	23 2	0n21	22 39	0s 4	22 24	1 2	22 0	0 10	16 10	0 42	1 42	2 32	14 32	0 43	16 0	0 4	8 45	17 16	23 14	23 13	2 46	16 59	4 32	
T 18	23 23	21 24	1 37	22 56	0 11	22 8	1 18	22 7	0 11	16 11	0 42	1 43	2 32	14 31	0 43	16 1	0 4	8 45	17 16	23 14	23 13	2 44	16 58	4 32	
W19	23 25	18 25	2 48	23 12	0 18	21 52	1 33	22 14	0 12	16 12	0 42	1 43	2 32	14 30	0 43	16 1	0 4	8 45	17 15	23 14	23 13	2 41	16 58	4 32	
T 20	23 25	14 18	3 50	23 26	0 25	21 37	1 49	22 20	0 12	16 13	0 42	1 44	2 31	14 29	0 43	16 1	0 4	8 44	17 15	23 14	23 12	2 38	16 57	4 32	
F 21	23 26	9 20	4 37	23 39	0 31	21 21	2 4	22 27	0 13	16 14	0 43	1 45	2 31	14 28	0 43	16 2	0 4	8 44	17 15	23 14	23 12	2 36	16 57	4 32	
S 22	23 25	3 53	5 6	23 52	0 38	21 6	2 19	22 33	0 13	16 15	0 43	1 45	2 31	14 28	0 43	16 2	0 4	8 44	17 14	23 14	23 12	2 33	16 57	4 32	
S 23	23 25	1n44	5 17	24 2	0 44	20 51	2 33	22 39	0 14	16 17	0 43	1 46	2 31	14 27	0 43	16 2	0 4	8 44	17 14	23 14	23 12	2 30	16 56	4 32	
M24	23 24	7 12	5 8	24 12	0 50	20 36	2 48	22 45	0 15	16 18	0 43	1 47	2 30	14 26	0 43	16 3	0 4	8 43	17 14	23 14	23 12	2 28	16 56	4 32	
T 25	23 22	12 15	4 41	24 21	0 56	20 21	3 1	22 50	0 15	16 20	0 44	1 47	2 30	14 25	0 43	16 3	0 4	8 43	17 13	23 14	23 11	2 25	16 55	4 32	
W26	23 20	16 36	3 58	24 28	1 2	20 6	3 15	22 55	0 16	16 21	0 44	1 48	2 30	14 24	0 43	16 3	0 4	8 43	17 13	23 14	23 11	2 22	16 55	4 32	
T 27	23 18	20 0	3 2	24 34	1 8	19 53	3 27	23 1	0 17	16 23	0 44	1 49	2 30	14 23	0 43	16 4	0 4	8 43	17 12	23 14	23 11	2 20	16 54	4 32	
F 28	23 15	22 16	1 57	24 38	1 13	19 39	3 40	23 6	0 17	16 24	0 44	1 50	2 29	14 23	0 42	16 4	0 4	8 42	17 12	23 14	23 11	2 17	16 54	4 32	
S 29	23 11	23 16	0 47	24 41	1 19	19 16	3 51	23 10	0 18	16 26	0 44	1 51	2 29	14 22	0 42	16 5	0 4	8 42	17 12	23 14	23 11	2 14	16 54	4 32	
S 30	23 7	22 59	0s25	24 43	1 24	19 14	4 2	23 15	0 19	16 28	0 45	1 52	2 29	14 21	0 42	16 5	0 4	8 42	17 11	23 14	23 10	2 12	16 53	4 32	
M31	23s 3	21n30	1s34	24s43	1s29	19s 3	4n13	23s19	0s19	16n29	0n45	1n53	2s29	14s20	0s42	16n 5	0n 4	8s41	17s11	23s14	23s10	2n 9	16n53	4s32	