



Astrodienst Ephemeris Tables for the year 2277

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 2277

geocentric

JANUARY 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 43 29	10°38'22	19°11'21	10°31'17	9°38'26	24°R54	27°11'37	1°11'23	27°R14	16°12'12	11°00'00	16°R46	17°11'36	14°Y 9	11°R37	M 1
T 2	6 47 26	11°39'31	3°17'30	11°53'10	10°42'24	24°S31	27°39'39	1°27'27	27°B13	16°12'16	11°02'16	16°11'38	17°32'32	14°16'16	11°B36	T 2
W 3	6 51 22	12°40'40	17°32'13	13°29'11	11°57'24	24°08'27	27°40'40	1°31'27	27°11'16	16°13'11	11°03'16	16°28'17	17°29'29	14°23'14	11°35'14	W 3
T 4	6 55 19	13°41'49	1°32'25	15°06'13	13°13'23	23°45'27	27°42'42	1°34'27	27°09'16	16°13'11	11°05'16	16°17'17	17°26'26	14°29'29	11°34'29	T 4
F 5	6 59 15	14°42'59	15°03'16	16°42'14	14°28'23	22°22'27	27°44'44	1°38'27	27°08'16	16°14'11	11°07'16	16°06'17	17°23'23	14°36'36	11°33'36	F 5
S 6	7 3 12	15°44'08	28°24'18	18°20'15	15°44'22	22°58'27	27°45'45	1°42'27	27°07'16	16°14'11	11°08'15	15°56'17	17°20'20	14°43'43	11°32'32	S 6
S 7	7 7 8	16°45'18	11°25'25	19°57'16	16°59'22	22°35'27	27°46'46	1°45'27	27°05'16	16°15'11	11°10'15	15°49'17	17°17'17	14°49'49	11°31'31	S 7
M 8	7 11 5	17°46'27	24°06'21	21°35'18	18°15'22	22°11'27	27°47'47	1°49'27	27°04'16	16°15'11	11°12'15	15°44'17	17°13'13	14°56'56	11°30'30	M 8
T 9	7 15 2	18°47'37	6°12'29	23°13'19	19°30'21	21°47'27	27°47'47	1°52'27	27°03'16	16°15'11	11°14'15	15°41'17	17°10'10	15°02'02	11°29'29	T 9
W10	7 18 58	19°48'46	18°36'24	24°51'20	20°46'21	21°23'27	27°48'48	1°55'27	27°01'16	16°15'11	11°15'15	15°D41	17°07'07	15°09'09	11°29'29	W10
T 11	7 22 55	20°49'54	0°13'32	26°30'22	22°01'20	20°59'27	27°48'48	1°58'27	27°00'16	16°16'11	11°17'15	15°42'17	17°04'04	15°16'16	11°28'28	T 11
F 12	7 26 51	21°51'02	12°22'28	28°09'23	23°17'20	20°35'27	27°R48	2°01'26	26°59'16	16°16'11	11°19'15	15°43'17	17°01'01	15°22'22	11°28'28	F 12
S 13	7 30 48	22°52'10	24°10'29	29°49'24	24°32'20	20°11'27	27°48'48	2°04'26	26°58'16	16°16'11	11°21'15	15°R43	16°58'58	15°29'29	11°27'27	S 13
S 14	7 34 44	23°53'18	6°18'3	1°28'25	25°48'19	19°47'27	27°48'48	2°07'26	26°57'16	16°16'11	11°23'15	15°42'17	16°54'54	15°36'36	11°27'27	S 14
M15	7 38 41	24°54'25	18°06'3	3°08'27	3°08'27	19°24'27	27°47'47	2°10'26	26°56'16	16°16'11	11°24'15	15°39'17	16°51'51	15°42'42	11°26'26	M15
T 16	7 42 37	25°55'31	0°12'22	4°48'28	28°19'19	19°01'27	27°47'47	2°13'26	26°55'16	16°16'11	11°26'15	15°34'17	16°48'48	15°49'49	11°26'26	T 16
W17	7 46 34	26°56'37	12°57'6	29°34'18	38°18'27	24°29'27	27°46'46	2°15'26	26°54'16	16°R16	11°28'15	15°27'17	16°45'45	15°56'56	11°26'26	W17
T 18	7 50 31	27°57'43	25°51'8	8°09'0	0°55'18	18°16'27	27°45'45	2°18'26	26°53'16	16°16'11	11°30'15	15°19'17	16°42'42	16°02'02	11°26'26	T 18
F 19	7 54 27	28°58'48	9°27'7	9°49'2	2°05'17	17°54'27	27°44'44	2°20'26	26°52'16	16°16'11	11°32'15	15°10'17	16°38'38	16°09'09	11°25'25	F 19
S 20	7 58 24	29°59'52	22°43'11	3°21'17	3°21'17	17°32'27	27°42'42	2°22'26	26°51'16	16°16'11	11°33'15	15°02'17	16°35'35	16°16'16	11°25'25	S 20
S 21	8 2 20	1°05'56	6°12'36	13°10'4	4°36'17	17°11'27	27°40'40	2°24'26	26°51'16	16°16'11	11°35'15	14°56'17	16°32'32	16°22'22	11°25'25	S 21
M22	8 6 17	2°00'20	20°42'14	5°51'16	16°50'27	27°39'39	27°39'39	2°27'26	26°50'16	16°16'11	11°37'15	14°51'17	16°29'29	16°29'29	11°25'25	M22
T 23	8 10 13	3°03'02	4°11'57	16°29'7	7°07'16	16°30'27	27°37'37	2°28'26	26°49'16	16°16'11	11°39'15	14°49'17	16°26'26	16°36'36	11°26'26	T 23
W24	8 14 10	4°05'19	19°16'18	7°08'2	8°22'16	16°11'27	27°34'34	2°30'26	26°49'16	16°15'11	11°41'15	14°D49	16°23'23	16°42'42	11°26'26	W24
T 25	8 18 6	5°07'3	3°13'35	19°45'9	9°38'15	15°52'27	27°32'32	2°32'26	26°48'16	16°15'11	11°43'15	14°50'17	16°19'19	16°49'49	11°26'26	T 25
F 26	8 22 3	6°09'17	17°51'21	21°21'10	10°53'15	15°33'27	27°30'30	2°34'26	26°48'16	16°15'11	11°45'15	14°51'17	16°16'16	16°56'56	11°26'26	F 26
S 27	8 26 0	7°10'2	2°11'2	22°56'12	8°15'15	15°16'27	27°27'27	2°35'26	26°47'16	16°15'11	11°47'15	14°R52	16°13'13	17°02'02	11°27'27	S 27
S 28	8 29 56	8°11'16	16°05'24	24°29'13	13°24'14	14°59'27	27°24'24	2°37'26	26°47'16	16°14'11	11°48'15	14°52'17	16°10'10	17°09'09	11°27'27	S 28
M29	8 33 53	9°12'0	0°12'1	25°59'14	14°39'14	14°42'27	27°21'21	2°38'26	26°47'16	16°14'11	11°50'15	14°50'17	16°07'07	17°16'16	11°28'28	M29
T 30	8 37 49	10°10'12	13°48'1	27°26'15	15°55'14	14°27'27	27°17'17	2°39'26	26°47'16	16°13'11	11°52'15	14°47'17	16°04'04	17°22'22	11°28'28	T 30
W31	8 41 46	11°11'12	27°12'24	28°50'17	17°10'14	14°12'27	27°14'14	2°40'26	26°46'16	16°13'11	11°54'15	14°42'17	16°00'00	17°Y29	11°B29	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22s58	13s12	4n30	24s40	1s40	23s32	0s28	24n54	3n51	2n 5	1n14	9s41	2n24	19n18	0s13	4s59
T 2	22 53	15 59	4 55	24 36	1 44	23 28	0 30	25 0	3 52	2 4	1 14	9 42	2 24	19 17	0 13	4 59
W 3	22 48	17 47	5 3	24 30	1 48	23 24	0 32	25 6	3 54	2 4	1 14	9 43	2 25	19 17	0 13	4 59
T 4	22 42	18 31	4 53	24 23	1 51	23 19	0 34	25 11	3 56	2 3	1 15	9 44	2 25	19 17	0 13	4 59
F 5	22 35	18 9	4 26	24 15	1 54	23 13	0 37	25 17	3 58	2 3	1 15	9 45	2 25	19 16	0 13	4 59
S 6	22 28	16 47	3 45	24 5	1 57	23 7	0 39	25 23	3 59	2 3	1 15	9 46	2 25	19 16	0 13	4 59
S 7	22 21	14 34	2 53	23 54	2 0	23 0	0 41	25 28	4 1	2 2	1 15	9 47	2 26	19 16	0 13	4 59
M 8	22 13	11 41	1 53	23 41	2 2	22 52	0 43	25 33	4 2	2 2	1 16	9 48	2 26	19 15	0 13	4 59
T 9	22 5	8 21	0 49	23 27	2 4	22 44	0 45	25 39	4 3	2 2	1 16	9 49	2 26	19 15	0 13	4 59
W10	21 56	4 45	0s16	23 11	2 5	22 35	0 47	25 44	4 4	2 2	1 16	9 50	2 26	19 15	0 13	4 59
T 11	21 47	1 0	1 19	22 53	2 7	22 25	0 49	25 48	4 5	2 3	1 16	9 51	2 27	19 14	0 13	4 59
F 12	21 38	2n45	2 19	22 35	2 7	22 14	0 51	25 53	4 6	2 3	1 17	9 52	2 27	19 14	0 13	4 59
S 13	21 28	6 23	3 12	22 14	2 8	22 3	0 53	25 58	4 7	2 3	1 17	9 52	2 27	19 14	0 13	4 59
S 14	21 18	9 47	3 58	21 52	2 8	21 51	0 55	26 2	4 8	2 3	1 17	9 53	2 27	19 14	0 13	4 59
M15	21 7	12 49	4 33	21 29	2 7	21 38	0 57	26 6	4 8	2 4	1 18	9 54	2 28	19 14	0 13	4 59
T 16	20 56	15 21	4 57	21 4	2 6	21 25	0 59	26 10	4 9	2 4	1 18	9 54	2 28	19 13	0 13	4 59
W17	20 44	17 14	5 7	20 38	2 4	21 11	1 0	26 13	4 9	2 5	1 18	9 55	2 28	19 13	0 13	4 59
T 18	20 32	18 18	5 3	20 10	2 2	20 57	1 2	26 17	4 10	2 6	1 18	9 56	2 28	19 13	0 13	4 59
F 19	20 20	18 24	4 42	19 41	2 0	20 42	1 4	26 20	4 10	2 6	1 19	9 56	2 29	19 13	0 13	4 59
S 20	20 7	17 28	4 4	19 10	1 57	20 26	1 5	26 23	4 10	2 7	1 19	9 57	2 29	19 13	0 13	4 59
S 21	19 54	15 30	3 12	18 38	1 53	20 10	1 7	26 26	4 10	2 8	1 19	9 57	2 29	19 13	0 13	4 59
M22	19 41	12 34	2 7	18 5	1 48	19 53	1 8	26 28	4 10	2 9	1 19	9 58	2 29	19 12	0 13	4 59
T 23	19 27	8 51	0 53	17 31	1 43	19 35	1 10	26 30	4 9	2 10	1 20	9 58	2 30	19 12	0 13	4 59
W24	19 12	4 37	0n24	16 55	1 37	19 17	1 11	26 33	4 9	2 11	1 20	9 59	2 30	19 12	0 13	4 59
T 25	18 58	0 7	1 40	16 18	1 31	18 59	1 13	26 34	4 9	2 12	1 20	9 59	2 30	19 12	0 13	4 59
F 26	18 43	4s22	2 50	15 41	1 24	18 40	1 14	26 36	4 8	2 14	1 21	9 59	2 30	19 12	0 13	4 58
S 27	18 28	8 34	3 49	15 2	1 15	18 20	1 15	26 38	4 8	2 15	1 21	9 59	2 31	19 12	0 13	4 58
S 28	18 12	12 15	4 33	14 23	1 7	18 0	1 17	26 39	4 7	2 16	1 21	10 0	2 31	19 12	0 13	4 58
M29	17 56	15 12	5 1	13 44	0 57	17 39	1 18	26 40	4 6	2 18	1 21	10 0	2 31	19 12	0 13	4 58
T 30	17 40	17 16	5 12	13 4	0 46	17 18	1 19	26 41	4 5	2 19	1 22	10 0	2 31	19 12	0 13	4 58
W31	17s23	18s18	5n 4	12s24	0s35	16s56	1s20	26n42	4n 5	2n21	1n22	10s 0	2n32	19n12	0s13	4s57

Julian Day Number = 2552717.5, Delta T = 259.21 sec
 Ecliptic obliquity = 23°24'02, Nutation = - 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°36'43, Lahiri = 27°43'44

ASTRODIENST EPHEMERIS for the year 2277

geocentric

FEBRUARY 2277

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 45 42	12°11'11"	10°34'49"	0°10'10"	18°25'25"	13°R58	27°R10	2°11'41"	26°R46	16°R12	11°55'56"	14°R36	15°11'57"	17°Y36	11°8'30"	T 1
F 2	8 49 39	13°13'10"	24° 1'	1°25'	19°41'	13°54'5	27°11'6"	2°42'	26°8'46"	16°12'	11°58'	14°11'31"	15°54'	17°42'	11°30'	F 2
S 3	8 53 35	14°14'07"	6°58'	2°34'	20°56'	13°32'	27° 2'	2°43'	26°D46	16°11'	12° 0'	14°26'	15°51'	17°49'	11°31'	S 3
S 4	8 57 32	15°15'04"	19°42'	3°37'	22°11'	13°20'	26°58'	2°44'	26°46'	16°11'	12° 2'	14°22'	15°48'	17°56'	11°32'	S 4
M 5	9 1 29	16°15'59"	2°10'10"	4°34'	23°27'	13° 9'	26°54'	2°45'	26°46'	16°10'	12° 3'	14°20'	15°44'	18° 2'	11°33'	M 5
T 6	9 5 25	17°16'54"	14°26'	5°22'	24°42'	12°59'	26°49'	2°45'	26°46'	16°10'	12° 5'	14°D19	15°41'	18° 9'	11°34'	T 6
W 7	9 9 22	18°17'47"	26°29'	6° 1'	25°57'	12°50'	26°45'	2°45'	26°46'	16° 9'	12° 7'	14°20'	15°38'	18°16'	11°35'	W 7
T 8	9 13 18	19°18'39"	8°12'24"	6°31'	27°12'	12°41'	26°40'	2°46'	26°47'	16° 8'	12° 9'	14°22'	15°35'	18°22'	11°36'	T 8
F 9	9 17 15	20°19'30"	20°14'	6°51'	28°28'	12°34'	26°35'	2°46'	26°47'	16° 7'	12°11'	14°23'	15°32'	18°29'	11°37'	F 9
S 10	9 21 11	21°20'19"	2° 2'	7°R 0'	29°43'	12°27'	26°30'	2°R46	26°47'	16° 7'	12°13'	14°25'	15°29'	18°36'	11°39'	S 10
S 11	9 25 8	22°21'07"	13°55'	6°58'	0°10'58"	12°21'	26°24'	2°46'	26°48'	16° 6'	12°15'	14°26'	15°25'	18°42'	11°40'	S 11
M12	9 29 4	23°21'53"	25°56'	6°46'	2°13'	12°15'	26°19'	2°46'	26°48'	16° 5'	12°16'	14°R26	15°22'	18°49'	11°41'	M12
T 13	9 33 1	24°22'38"	8°11'10"	6°22'	3°28'	12°11'	26°13'	2°45'	26°49'	16° 4'	12°18'	14°26'	15°19'	18°56'	11°43'	T 13
W14	9 36 58	25°23'22"	20°43'	5°48'	4°44'	12° 7'	26° 7'	2°45'	26°49'	16° 3'	12°20'	14°24'	15°16'	19° 2'	11°44'	W14
T 15	9 40 54	26°24'04"	3°33'37"	5° 5'	5°59'	12° 4'	26° 1'	2°45'	26°50'	16° 2'	12°22'	14°22'	15°13'	19° 9'	11°46'	T 15
F 16	9 44 51	27°24'45"	16°56'	4°14'	7°14'	12° 2'	25°55'	2°44'	26°50'	16° 1'	12°24'	14°19'	15°10'	19°16'	11°47'	F 16
S 17	9 48 47	28°25'23"	0°12'39"	3°15'	8°29'	12° 1'	25°49'	2°43'	26°51'	16° 0'	12°26'	14°17'	15° 6'	19°22'	11°49'	S 17
S 18	9 52 44	29°26'01"	14°46'	2°11'	9°44'	12°D 0'	25°43'	2°43'	26°52'	15°59'	12°28'	14°15'	15° 3'	19°29'	11°51'	S 18
M19	9 56 40	0°12'37"	29°12'	1° 4'	10°59'	12° 0'	25°37'	2°42'	26°53'	15°58'	12°29'	14°14'	15° 0'	19°36'	11°52'	M19
T 20	10 0 37	1°27'11"	13°11'52"	29°55'	12°14'	12° 1'	25°30'	2°41'	26°53'	15°57'	12°31'	14°D14	14°57'	19°42'	11°54'	T 20
W21	10 4 33	2°27'44"	28°39'	28°46'	13°29'	12° 3'	25°23'	2°40'	26°54'	15°56'	12°33'	14°14'	14°54'	19°49'	11°56'	W21
T 22	10 8 30	3°28'16"	13°12'26"	27°39'	14°44'	12° 5'	25°17'	2°39'	26°55'	15°55'	12°35'	14°15'	14°50'	19°56'	11°58'	T 22
F 23	10 12 26	4°28'46"	28° 7'	26°35'	15°59'	12° 8'	25°10'	2°37'	26°56'	15°54'	12°36'	14°16'	14°47'	20° 2'	12° 0'	F 23
S 24	10 16 23	5°29'15"	12°13'35"	25°37'	17°14'	12°12'	25° 3'	2°36'	26°57'	15°53'	12°38'	14°16'	14°44'	20° 9'	12° 2'	S 24
S 25	10 20 20	6°29'43"	26°48'	24°44'	18°29'	12°17'	24°56'	2°34'	26°58'	15°52'	12°40'	14°17'	14°41'	20°16'	12° 4'	S 25
M26	10 24 16	7°30'10"	10°12'43"	23°57'	19°44'	12°22'	24°49'	2°33'	27° 0'	15°51'	12°42'	14°R17	14°38'	20°22'	12° 6'	M26
T 27	10 28 13	8°30'35"	24°21'	23°17'	20°59'	12°27'	24°42'	2°31'	27° 1'	15°49'	12°43'	14°17'	14°35'	20°29'	12° 8'	T 27
W28	10 32 9	9°13'05"	7°34'11"	22°45'	22°14'	12°34'	24°11'34"	2°11'29"	27°2'	15°48'	12°44'5"	14°11'16"	14°11'31"	20°Y36	12°8'11"	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	decl	lat
T 1	17s 7	18s19	4n40	11s45	0s23	16s34	1s21	26n42	4n 4	2n23	1n22	10s 0	2n32	19n12	0s13	4s57	1n32	22s14	5s16	6n 3	5n32	4n24	13n23	1s58					
F 2	16 49	17 19	4 1	11 6	0 9	16 11	1 22	26 43	4 3	2 25	1 22	10 0	2 32	19 12	0 13	4 57	1 32	22 14	5 16	6 5	5 33	4 26	13 23	1 58					
S 3	16 32	15 25	3 11	10 28	0n 4	15 48	1 23	26 43	4 2	2 26	1 23	10 0	2 33	19 12	0 13	4 57	1 32	22 13	5 16	6 7	5 34	4 27	13 24	1 58					
S 4	16 14	12 49	2 11	9 52	0 19	15 24	1 23	26 43	4 0	2 28	1 23	10 0	2 33	19 12	0 13	4 56	1 32	22 13	5 16	6 9	5 36	4 29	13 24	1 58					
M 5	15 56	9 39	1 6	9 17	0 34	15 0	1 24	26 43	3 59	2 30	1 23	10 0	2 33	19 12	0 13	4 56	1 32	22 12	5 16	6 9	5 37	4 31	13 24	1 58					
T 6	15 38	6 8	0s 1	8 45	0 50	14 36	1 25	26 43	3 58	2 32	1 23	10 0	2 33	19 12	0 13	4 56	1 32	22 12	5 16	6 10	5 38	4 33	13 25	1 58					
W 7	15 19	2 25	1 6	8 15	1 7	14 11	1 25	26 43	3 57	2 34	1 24	10 0	2 34	19 12	0 13	4 56	1 32	22 11	5 16	6 9	5 39	4 35	13 25	1 58					
T 8	15 0	1n21	2 9	7 49	1 24	13 46	1 26	26 42	3 55	2 36	1 24	10 0	2 34	19 12	0 13	4 55	1 32	22 11	5 16	6 9	5 41	4 36	13 25	1 58					
F 9	14 41	5 2	3 5	7 26	1 41	13 21	1 27	26 42	3 54	2 39	1 24	10 0	2 34	19 12	0 13	4 55	1 32	22 11	5 17	6 8	5 42	4 38	13 26	1 58					
S 10	14 22	8 30	3 54	7 7	1 57	12 55	1 27	26 41	3 53	2 41	1 24	10 0	2 34	19 12	0 13	4 55	1 32	22 10	5 17	6 7	5 43	4 40	13 26	1 58					
S 11	14 2	11 39	4 32	6 52	2 14	12 28	1 27	26 40	3 51	2 43	1 24	9 59	2 35	19 12	0 13	4 54	1 32	22 10	5 17	6 7	5 44	4 42	13 27	1 58					
M12	13 43	14 21	5 0	6 42	2 30	12 2	1 28	26 39	3 50	2 46	1 25	9 59	2 35	19 12	0 13	4 54	1 32	22 9	5 17	6 7	5 45	4 44	13 27	1 58					
T 13	13 23	16 28	5 14	6 36	2 45	11 35	1 28	26 38	3 48	2 48	1 25	9 59	2 35	19 12	0 13	4 53	1 32	22 9	5 17	6 7	5 47	4 46	13 28	1 58					
W14	13 2	17 51	5 14	6 36	2 59	11 8	1 28	26 37	3 47	2 50	1 25	9 58	2 35	19 13	0 13	4 53	1 32	22 8	5 17	6 8	5 48	4 47	13 28	1 57					
T 15	12 42	18 23	4 58	6 40	3 11	10 40	1 28	26 36	3 45	2 53	1 25	9 58	2 36	19 13	0 13	4 53	1 32	22 8	5 17	6 9	5 49	4 49	13 28	1 57					
F 16	12 21	17 55	4 26	6 49	3 22	10 12	1 28	26 34	3 44	2 55	1 25	9 57	2 36	19 13	0 13	4 52	1 32	22 8	5 17	6 10	5 50	4 51	13 29	1 57					
S 17	12 0	16 25	3 39	7 2	3 30	9 44	1 28	26 33	3 42	2 58	1 26	9 57	2 36	19 13	0 13	4 52	1 33	22 7	5 17	6 11	5 52	4 53	13 30	1 57					
S 18	11 39	13 53	2 36	7 18	3 37	9 16	1 28	26 31	3 41	3 1	1 26	9 57	2 36	19 13	0 13	4 51	1 33	22 7	5 18	6 11	5 53	4 55	13 30	1 57					
M19	11 18	10 27	1 22	7 38	3 41	8 47	1 28	26 30	3 39	3 3	1 26	9 56	2 37	19 14	0 12	4 51	1 33	22 6	5 18	6 12	5 54	4 57	13 31	1 57					
T 20	10 56	6 18	0 2	8 1	3 42	8 19	1 28	26 28	3 37	3 6	1 26	9 55	2 37	19 14	0 12	4 51	1 33	22 6	5 18	6 12	5 55	4 58	13 31	1 57					
W21	10 35	1 45	1n19	8 25	3 42	7 50	1 27	26 26	3 36	3 9	1 26	9 55	2 37	19 14	0 12	4 50	1 33	22 5	5 18	6 12	5 56	5 0	13 32	1 57					
T 22	10 13	2s55	2 35	8 51	3 39	7 20	1 27	26 24	3 34	3 12	1 27	9 54	2 37	19 14	0 12	4 50	1 33	22 5	5 18	6 11	5 58	5 2	13 32	1 57					
F 23	9 51	7 21	3 40	9 17	3 34	6 51	1 27	26 23	3 33	3 15	1 27	9 54	2 38	19 14	0 12	4 49	1 33	22 5	5 18	6 11	5 59	5 4	13 33	1 57					
S 24	9 29	11 17	4 30	9 43	3 27	6 21	1 26	26 21	3 31	3 18	1 27	9 53	2 38	19 15	0 12	4 49	1 33	22 4	5 18	6 11	6 0	5 6	13 34	1 57					
S 25	9 7	14 30	5 3	10 8	3 18	5 52	1 26	26 19	3 29	3 21	1 27	9 52	2 38	19 15	0 12	4 48	1 33	22 4	5 18	6 11	6 1	5 8	13 34	1 57					
M26	8 44	16 47	5 17	10 33	3 8	5 22	1 25	26 16	3 28	3 23	1 27	9 51	2 39	19 15	0 12	4 48	1 33	22 4	5 19	6 11	6 3	5 9	13 35	1 57					
T 27	8 22	18 4	5 13	10 56	2 57	4 52	1 24	26 14	3 26	3 26	1 27	9 51	2 39	19 16	0 12	4 47	1 33	22 3	5 19	6 11	6 4	5 11	13 36	1 57					
W28	7s59	18s20	4n52	11s18	2n45	4s21	1s24	26n12	3n24	3n29	1n27	9s50	2n39	19n16	0s12	4s47	1n33	22s 3	5s19	6n11	6n 5	5n13	13n36	1s57					

Julian Day Number = 2552748.5, Delta T = 259.34 sec

Ecliptic obliquity = 23°24'03", Nutation = - 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°36'47", Lahiri = 27°43'48"

ASTRODIENST EPHEMERIS for the year 2277
geocentric

MARCH 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 36 6	10°31'22	20°34'5	22°R20	23°H29	12°S41	24°R27	2°R27	27°B 3	15°R47	12°S47	14°R16	14°M28	20°Y42	12°B13	T 1
F 2	10 40 2	11°31'43	3°33'4	22°33	24°44	12°49	24°M20	2°M25	27° 5	15°S46	12°49	14°M15	14°25	20°49	12°15	F 2
S 3	10 43 59	12°32'03	16° 9	21°52	25°59	12°57	24°12	2°23	27° 6	15°44	12°50	14°15	14°22	20°56	12°18	S 3
S 4	10 47 55	13°32'21	28°33	21°D49	27°13	13° 6	24° 4	2°21	27° 8	15°43	12°52	14°15	14°19	21° 3	12°20	S 4
M 5	10 51 52	14°32'38	10°H47	21°52	28°28	13°15	23°57	2°19	27° 9	15°42	12°54	14°15	14°15	21° 9	12°23	M 5
T 6	10 55 49	15°32'52	22°51	22° 2	29°43	13°26	23°49	2°17	27°11	15°40	12°55	14°15	14°12	21°16	12°25	T 6
W 7	10 59 45	16°33'05	4°Y48	22°17	0°Y58	13°36	23°41	2°14	27°12	15°39	12°57	14°15	14° 9	21°23	12°28	W 7
T 8	11 3 42	17°33'16	16°40	22°38	2°12	13°47	23°34	2°12	27°14	15°38	12°58	14°14	14° 6	21°29	12°30	T 8
F 9	11 7 38	18°33'25	28°29	23° 4	3°27	13°59	23°26	2° 9	27°16	15°36	13° 0	14°14	14° 3	21°36	12°33	F 9
S 10	11 11 35	19°33'33	10°B18	23°35	4°42	14°12	23°18	2° 6	27°17	15°35	13° 2	14°13	14° 0	21°43	12°36	S 10
S 11	11 15 31	20°33'38	22°11	24°10	5°56	14°24	23°10	2° 3	27°19	15°33	13° 3	14°13	13°56	21°49	12°39	S 11
M12	11 19 28	21°33'41	4°II11	24°50	7°11	14°38	23° 3	2° 1	27°21	15°32	13° 5	14°12	13°53	21°56	12°41	M12
T 13	11 23 24	22°33'42	16°23	25°34	8°26	14°52	22°55	1°58	27°23	15°30	13° 6	14°11	13°50	22° 3	12°44	T 13
W14	11 27 21	23°33'41	28°51	26°21	9°40	15° 6	22°47	1°55	27°25	15°29	13° 8	14°D11	13°47	22° 9	12°47	W14
T 15	11 31 18	24°33'38	11°S40	27°12	10°55	15°21	22°39	1°52	27°27	15°27	13° 9	14°12	13°44	22°16	12°50	T 15
F 16	11 35 14	25°33'32	24°52	28° 5	12° 9	15°36	22°31	1°48	27°29	15°26	13°11	14°13	13°41	22°23	12°53	F 16
S 17	11 39 11	26°33'25	8°Q31	29° 2	13°24	15°52	22°23	1°45	27°31	15°24	13°12	14°14	13°37	22°29	12°56	S 17
S 18	11 43 7	27°33'15	22°37	0°H 2	14°38	16° 8	22°16	1°42	27°33	15°23	13°14	14°15	13°34	22°36	12°59	S 18
M19	11 47 4	28°33'03	7°M 8	1° 4	15°52	16°25	22° 8	1°38	27°35	15°21	13°15	14°R15	13°31	22°43	13° 2	M19
T 20	11 51 0	29°32'49	21°59	2° 9	17° 7	16°42	22° 0	1°35	27°37	15°20	13°17	14°15	13°28	22°49	13° 5	T 20
W21	11 54 57	0°Y32'33	7°S 5	3°16	18°21	17° 0	21°53	1°31	27°39	15°18	13°18	14°15	13°25	22°56	13° 8	W21
T 22	11 58 53	1°32'15	22°14	4°25	19°35	17°17	21°45	1°28	27°41	15°16	13°19	14°13	13°21	23° 3	13°12	T 22
F 23	12 2 50	2°31'55	7°M19	5°36	20°50	17°36	21°37	1°24	27°44	15°15	13°21	14°11	13°18	23° 9	13°15	F 23
S 24	12 6 46	3°31'33	22°10	6°50	22° 4	17°54	21°30	1°20	27°46	15°13	13°22	14° 8	13°15	23°16	13°18	S 24
S 25	12 10 43	4°31'10	6°A40	8° 5	23°18	18°13	21°22	1°16	27°48	15°12	13°23	14° 6	13°12	23°23	13°22	S 25
M26	12 14 40	5°30'45	20°47	9°22	24°32	18°33	21°15	1°13	27°51	15°10	13°25	14° 4	13° 9	23°29	13°25	M26
T 27	12 18 36	6°30'18	4°B28	10°41	25°46	18°53	21° 8	1° 9	27°53	15° 8	13°26	14°D 4	13° 6	23°36	13°28	T 27
W28	12 22 33	7°29'50	17°44	12° 2	27° 0	19°13	21° 0	1° 5	27°56	15° 7	13°27	14° 4	13° 2	23°43	13°32	W28
T 29	12 26 29	8°29'20	0°S39	13°24	28°15	19°33	20°53	1° 1	27°58	15° 5	13°28	14° 5	12°59	23°49	13°35	T 29
F 30	12 30 26	9°28'48	13°14	14°48	29°29	19°54	20°46	0°57	28° 1	15° 3	13°30	14° 7	12°56	23°56	13°39	F 30
S 31	12 34 22	10°Y28'14	25°S35	16°H13	0°B43	20°S15	20°M39	0°M52	28°B 3	15°S 2	13°S31	14°M 8	12°M53	24°Y 3	13°B42	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s37	17s35	4n16	11s38	2n33	3s51	1s23	26n10	3n23	3n32	1n28	9s49	2n39	19n16	0s12	4s46
F 2	7 14	15 58	3 27	11 56	2 20	3 21	1 22	26 7	3 21	3 36	1 28	9 48	2 39	19 17	0 12	4 46
S 3	6 51	13 35	2 30	12 12	2 6	2 50	1 21	26 5	3 19	3 39	1 28	9 47	2 40	19 17	0 12	4 45
S 4	6 28	10 37	1 26	12 26	1 53	2 20	1 20	26 2	3 18	3 42	1 28	9 46	2 40	19 17	0 12	4 45
M 5	6 5	7 13	0 19	12 38	1 39	1 49	1 19	26 0	3 16	3 45	1 28	9 45	2 40	19 18	0 12	4 44
T 6	5 41	3 34	0s48	12 48	1 12	1 18	1 18	25 57	3 15	3 48	1 28	9 44	2 40	19 18	0 12	4 43
W 7	5 18	0n12	1 52	12 55	1 26	0 47	1 17	25 54	3 13	3 51	1 28	9 43	2 40	19 18	0 12	4 43
T 8	4 55	3 55	2 51	13 1	0 59	0 17	1 15	25 52	3 11	3 54	1 28	9 42	2 41	19 19	0 12	4 42
F 9	4 31	7 27	3 42	13 5	0 46	0n14	1 14	25 49	3 10	3 57	1 28	9 41	2 41	19 19	0 12	4 42
S 10	4 8	10 42	4 24	13 7	0 33	0 45	1 13	25 46	3 8	4 1	1 28	9 40	2 41	19 20	0 12	4 41
S 11	3 44	13 32	4 54	13 7	0 21	1 16	1 11	25 43	3 7	4 4	1 28	9 39	2 41	19 20	0 12	4 41
M12	3 20	15 50	5 13	13 5	0 9	1 47	1 10	25 40	3 5	4 7	1 29	9 37	2 41	19 20	0 12	4 40
T 13	2 57	17 27	5 17	13 1	0s 2	2 17	1 8	25 37	3 3	4 10	1 29	9 36	2 42	19 21	0 12	4 39
W14	2 33	18 17	5 7	12 55	0 13	2 48	1 7	25 33	3 2	4 13	1 29	9 35	2 42	19 21	0 12	4 39
T 15	2 9	18 13	4 42	12 48	0 24	3 19	1 5	25 30	3 0	4 16	1 29	9 34	2 42	19 22	0 12	4 38
F 16	1 46	17 10	4 1	12 39	0 34	3 49	1 3	25 27	2 59	4 19	1 29	9 33	2 42	19 22	0 12	4 38
S 17	1 22	15 7	3 6	12 29	0 44	4 20	1 2	25 24	2 57	4 22	1 29	9 31	2 42	19 23	0 12	4 37
S 18	0 58	12 6	1 57	12 17	0 54	4 50	1 0	25 20	2 56	4 26	1 29	9 30	2 43	19 23	0 12	4 36
M19	0 35	8 16	0 39	12 3	1 2	5 21	0 58	25 17	2 54	4 29	1 29	9 29	2 43	19 24	0 12	4 36
T 20	0 11	3 50	0n43	11 48	1 11	5 51	0 56	25 13	2 53	4 32	1 29	9 27	2 43	19 24	0 12	4 35
W21	0n13	0s55	2 3	11 31	1 19	6 21	0 54	25 9	2 51	4 35	1 29	9 26	2 43	19 25	0 12	4 35
T 22	0 37	5 38	3 15	11 13	1 27	6 51	0 52	25 5	2 50	4 38	1 29	9 25	2 43	19 25	0 12	4 34
F 23	1 0	9 56	4 13	10 54	1 34	7 21	0 50	25 2	2 48	4 41	1 29	9 23	2 43	19 26	0 12	4 33
S 24	1 24	13 33	4 53	10 33	1 40	7 50	0 48	24 58	2 47	4 44	1 29	9 22	2 44	19 26	0 12	4 33
S 25	1 48	16 15	5 13	10 11	1 47	8 20	0 46	24 54	2 45	4 47	1 29	9 20	2 44	19 27	0 12	4 32
M26	2 11	17 52	5 14	9 47	1 53	8 49	0 44	24 50	2 44	4 49	1 29	9 19	2 44	19 27	0 12	4 31
T 27	2 35	18 24	4 56	9 22	1 58	9 18	0 41	24 45	2 43	4 52	1 29	9 17	2 44	19 28	0 12	4 31
W28	2 58	17 53	4 23	8 56	2 3	9 47	0 39	24 41	2 41	4 55	1 29	9 16	2 44	19 29	0 12	4 30
T 29	3 22	16 27	3 37	8 28	2 7	10 16	0 37	24 37	2 40	4 58	1 29	9 14	2 44	19 29	0 12	4 29
F 30	3 45	14 13	2 42	8 0	2 11	10 44	0 34	24 32	2 38	5 1	1 29	9 13	2 44	19 30	0 12	4 29
S 31	4n 8	11s24	1n40	7s30	2s15	11n12	0s32	24n28	2n37	5n 3	1n28	9s11	2n44	19n30	0s12	4s28

Julian Day Number = 2552776.5, Delta T = 259.46 sec
Ecliptic obliquity = 23°24'03, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°36'51, Lahiri = 27°43'52

ASTRODIENST EPHEMERIS for the year 2277

geocentric

MAY 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 36 35	10°53'55	10°34	12°31	8°37	3°20	18°R 6	28°R33	29°37	14°R12	13°55	12°R48	11°14	27°30	15°41	T 1
W 2	14 40 32	11°52'19	22°22	14°40	9°50	3°49	18°3	28°29	29°40	14°11	13°55	12°42	11°11	27°37	15°45	W 2
T 3	14 44 29	12°50'41	4°12	16°49	11° 3	4°18	18° 1	28°24	29°44	14°10	13°56	12°33	11° 8	27°43	15°49	T 3
F 4	14 48 25	13°49'01	16° 4	18°58	12°15	4°47	17°59	28°20	29°47	14° 8	13°56	12°22	11° 5	27°50	15°53	F 4
S 5	14 52 22	14°47'19	28° 2	21° 7	13°28	5°16	17°57	28°16	29°51	14° 7	13°56	12°10	11° 2	27°57	15°57	S 5
S 6	14 56 18	15°45'36	10°II 6	23°14	14°40	5°45	17°56	28°11	29°54	14° 6	13°57	11°59	10°58	28° 3	16° 1	S 6
M 7	15 0 15	16°43'51	22°18	25°21	15°53	6°14	17°54	28° 7	29°57	14° 4	13°57	11°48	10°55	28°10	16° 5	M 7
T 8	15 4 11	17°42'04	4°39	27°27	17° 5	6°44	17°53	28° 3	0°II 1	14° 3	13°57	11°39	10°52	28°17	16° 9	T 8
W 9	15 8 8	18°40'15	17°11	29°31	18°17	7°13	17°52	27°59	0° 4	14° 2	13°57	11°32	10°49	28°23	16°13	W 9
T 10	15 12 4	19°38'24	29°57	1°II33	19°30	7°43	17°51	27°55	0° 8	14° 0	13°57	11°28	10°46	28°30	16°17	T 10
F 11	15 16 1	20°36'32	13°0 0	3°32	20°42	8°13	17°50	27°50	0°11	13°59	13°58	11°26	10°43	28°37	16°21	F 11
S 12	15 19 58	21°34'37	26°23	5°30	21°54	8°43	17°50	27°46	0°15	13°58	13°58	11°D26	10°39	28°43	16°26	S 12
S 13	15 23 54	22°32'40	10°18 8	7°25	23° 6	9°14	17°50	27°43	0°18	13°57	13°58	11°R26	10°36	28°50	16°30	S 13
M14	15 27 51	23°30'42	24°17	9°17	24°18	9°44	17°D49	27°39	0°22	13°55	13°58	11°26	10°33	28°57	16°34	M14
T 15	15 31 47	24°28'41	8°49	11° 6	25°30	10°14	17°49	27°35	0°25	13°54	13°R58	11°24	10°30	29° 3	16°38	T 15
W16	15 35 44	25°26'39	23°42	12°52	26°42	10°45	17°50	27°31	0°29	13°53	13°58	11°19	10°27	29°10	16°42	W16
T 17	15 39 40	26°24'35	8°48	14°35	27°54	11°16	17°50	27°27	0°32	13°52	13°58	11°11	10°24	29°17	16°46	T 17
F 18	15 43 37	27°22'29	23°59	16°14	29° 6	11°47	17°51	27°24	0°36	13°51	13°58	11° 2	10°20	29°24	16°50	F 18
S 19	15 47 33	28°20'22	9°4 4	17°50	0°318	12°17	17°51	27°20	0°39	13°50	13°57	10°51	10°17	29°30	16°54	S 19
S 20	15 51 30	29°18'13	23°53	19°23	1°29	12°49	17°52	27°16	0°43	13°49	13°57	10°41	10°14	29°37	16°58	S 20
M21	15 55 27	0°II16'04	8°18	20°52	2°41	13°20	17°53	27°13	0°46	13°48	13°57	10°31	10°11	29°44	17° 2	M21
T 22	15 59 23	1°13'53	22°15	22°18	3°53	13°51	17°55	27° 9	0°50	13°47	13°57	10°24	10° 8	29°50	17° 6	T 22
W23	16 3 20	2°11'40	5°42	23°39	5° 4	14°22	17°56	27° 6	0°53	13°46	13°57	10°20	10° 4	29°57	17°10	W23
T 24	16 7 16	3° 9'27	18°42	24°58	6°15	14°54	17°58	27° 3	0°57	13°45	13°57	10°18	10° 1	0° 4	17°13	T 24
F 25	16 11 13	4° 7'12	1°17	26°12	7°27	15°26	18° 0	27° 0	1° 0	13°44	13°56	10°17	9°58	0°10	17°17	F 25
S 26	16 15 9	5° 4'57	13°32	27°23	8°38	15°57	18° 2	26°56	1° 3	13°43	13°56	10°17	9°55	0°17	17°21	S 26
S 27	16 19 6	6° 2'40	25°34	28°30	9°49	16°29	18° 4	26°53	1° 7	13°42	13°56	10°17	9°52	0°24	17°25	S 27
M28	16 23 2	7° 0'22	7°26	29°33	11° 1	17° 1	18° 6	26°50	1°10	13°41	13°55	10°14	9°49	0°30	17°29	M28
T 29	16 26 59	7°58'03	19°15	0°32	12°12	17°33	18° 9	26°48	1°14	13°40	13°55	10°10	9°45	0°37	17°33	T 29
W30	16 30 56	8°55'43	1° 4	1°27	13°23	18° 5	18°11	26°45	1°17	13°40	13°55	10° 3	9°42	0°44	17°37	W30
T 31	16 34 52	9°II53'22	12°56	2°18	14°34	18°38	18°14	26°42	1°II21	13°39	13°54	9°52	9°39	0°51	17°41	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n 4	1n59	2s23	15n28	0s 7	22n33	0n51	21n19	1n59	6n 0	1n24	8s22	2n45	19n51	0s11	4s 9
W 2	15 22	5 40	3 15	16 16	0n 4	22 47	0 54	21 11	1 58	6 0	1 24	8 21	2 45	19 52	0 11	4 9
T 3	15 40	9 9	3 59	17 4	0 14	23 0	0 57	21 3	1 57	6 1	1 24	8 19	2 45	19 53	0 11	4 8
F 4	15 58	12 16	4 32	17 50	0 25	23 12	0 59	20 55	1 56	6 2	1 24	8 18	2 45	19 53	0 11	4 8
S 5	16 15	14 55	4 54	18 35	0 36	23 24	1 2	20 47	1 55	6 2	1 24	8 16	2 45	19 54	0 11	4 7
S 6	16 32	16 56	5 3	19 18	0 46	23 35	1 4	20 39	1 54	6 3	1 23	8 15	2 45	19 55	0 11	4 7
M 7	16 49	18 13	4 58	19 59	0 56	23 46	1 7	20 31	1 53	6 3	1 23	8 13	2 45	19 56	0 11	4 6
T 8	17 5	18 40	4 39	20 38	1 6	23 55	1 9	20 22	1 52	6 3	1 23	8 12	2 44	19 56	0 11	4 6
W 9	17 21	18 13	4 7	21 15	1 16	24 5	1 12	20 14	1 51	6 4	1 23	8 11	2 44	19 57	0 11	4 5
T 10	17 37	16 50	3 22	21 49	1 25	24 13	1 14	20 5	1 50	6 4	1 23	8 9	2 44	19 58	0 11	4 5
F 11	17 52	14 34	2 25	22 22	1 34	24 21	1 17	19 56	1 49	6 4	1 22	8 8	2 44	19 58	0 11	4 4
S 12	18 8	11 28	1 19	22 51	1 42	24 28	1 19	19 47	1 48	6 4	1 22	8 7	2 44	19 59	0 11	4 4
S 13	18 23	7 39	0 7	23 18	1 49	24 34	1 21	19 38	1 47	6 4	1 22	8 5	2 44	20 0	0 11	4 3
M14	18 37	3 18	1n 8	23 43	1 56	24 40	1 24	19 29	1 46	6 4	1 22	8 4	2 44	20 1	0 11	4 3
T 15	18 52	1s21	2 20	24 5	2 2	24 45	1 26	19 20	1 45	6 3	1 22	8 3	2 44	20 1	0 11	4 3
W16	19 6	6 1	3 24	24 21	2 7	24 53	1 28	19 11	1 44	6 3	1 21	8 2	2 43	20 2	0 11	4 2
T 17	19 19	10 23	4 15	24 41	2 12	24 53	1 30	19 2	1 43	6 3	1 21	8 0	2 43	20 3	0 11	4 2
F 18	19 33	14 5	4 48	24 56	2 15	24 56	1 32	18 52	1 42	6 2	1 21	7 59	2 43	20 4	0 11	4 1
S 19	19 45	16 49	5 1	25 8	2 18	24 58	1 34	18 42	1 41	6 2	1 21	7 58	2 43	20 4	0 11	4 1
S 20	19 58	18 22	4 53	25 18	2 20	25 0	1 36	18 33	1 41	6 1	1 21	7 57	2 43	20 5	0 11	4 1
M21	20 10	18 42	4 27	25 26	2 21	25 1	1 38	18 23	1 40	6 1	1 20	7 56	2 43	20 6	0 11	4 0
T 22	20 22	17 52	3 45	25 32	2 22	25 1	1 40	18 13	1 39	6 0	1 20	7 55	2 43	20 7	0 11	4 0
W23	20 34	16 2	2 52	25 36	2 21	25 0	1 42	18 3	1 38	5 59	1 20	7 54	2 42	20 7	0 11	3 59
T 24	20 45	13 26	1 52	25 38	2 20	24 59	1 44	17 53	1 37	5 58	1 20	7 53	2 42	20 8	0 11	3 59
F 25	20 56	10 16	0 48	25 38	2 17	24 57	1 45	17 43	1 36	5 58	1 20	7 52	2 42	20 9	0 11	3 59
S 26	21 7	6 44	0s17	25 36	2 14	24 54	1 47	17 32	1 35	5 57	1 19	7 51	2 42	20 9	0 11	3 58
S 27	21 17	2 59	1 20	25 33	2 10	24 50	1 48	17 22	1 34	5 56	1 19	7 50	2 42	20 10	0 11	3 58
M28	21 27	0n50	2 18	25 29	2 5	24 46	1 50	17 11	1 33	5 54	1 19	7 49	2 41	20 11	0 11	3 58
T 29	21 36	4 35	3 10	25 23	1 59	24 41	1 51	17 1	1 32	5 53	1 19	7 48	2 41	20 12	0 11	3 58
W30	21 45	8 10	3 54	25 15	1 52	24 36	1 53	16 50	1 31	5 52	1 19	7 47	2 41	20 12	0 11	3 57
T 31	21n54	11n26	4s28	25n 7	1n44	24n30	1n54	16n39	1n31	5n51	1n18	7s47	2n41	20n13	0s11	3s57

Julian Day Number = 2552837.5, Delta T = 259.72 sec

Ecliptic obliquity = 23°24'03, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°37'00, Lahiri = 27°44'00

ASTRODIENST EPHEMERIS for the year 2277
geocentric

JUNE 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 38 49	10 ^{II} 51'00	24 [♂] 54	3 [♂] 4	15 [♂] 45	19 [♂] 10	18 [♂] 17	26 [♂] R39	1 ^{II} 24	13 [♂] R38	13 [♂] R54	9 [♂] R40	9 [♂] 36	0 [♂] 57	17 [♂] 44	F 1
S 2	16 42 45	11°48'37	7 ^{II} 1	3°47	16°56	19°42	18°21	26 [♂] 37	1°28	13 [♂] 37	13 [♂] 53	9 [♂] 27	9°33	1° 4	17°48	S 2
S 3	16 46 42	12°46'13	19°16	4°25	18° 6	20°15	18°24	26°34	1°31	13°37	13°53	9°13	9°29	1°11	17°52	S 3
M 4	16 50 38	13°43'48	1 [♂] 41	4°59	19°17	20°48	18°27	26°32	1°35	13°36	13°52	9° 0	9°26	1°17	17°56	M 4
T 5	16 54 35	14°41'22	14°16	5°28	20°28	21°20	18°31	26°30	1°38	13°35	13°52	8°50	9°23	1°24	18° 0	T 5
W 6	16 58 32	15°38'54	27° 2	5°53	21°38	21°53	18°35	26°27	1°42	13°35	13°51	8°42	9°20	1°31	18° 3	W 6
T 7	17 2 28	16°36'25	9 [♂] 59	6°13	22°49	22°26	18°39	26°25	1°45	13°34	13°51	8°37	9°17	1°37	18° 7	T 7
F 8	17 6 25	17°33'55	23°10	6°29	23°59	22°59	18°43	26°23	1°48	13°34	13°50	8°34	9°14	1°44	18°11	F 8
S 9	17 10 21	18°31'24	6 [♂] 35	6°40	25°10	23°32	18°48	26°21	1°52	13°33	13°49	8°D34	9°10	1°51	18°14	S 9
S 10	17 14 18	19°28'51	20°18	6°46	26°20	24° 5	18°52	26°19	1°55	13°33	13°49	8°R34	9° 7	1°57	18°18	S 10
M11	17 18 14	20°26'17	4 [♂] 18	6°R48	27°30	24°39	18°57	26°18	1°58	13°32	13°48	8°33	9° 4	2° 4	18°21	M11
T 12	17 22 11	21°23'42	18°35	6°45	28°40	25°12	19° 2	26°16	2° 2	13°32	13°47	8°31	9° 1	2°11	18°25	T 12
W13	17 26 7	22°21'06	3 [♂] 9	6°38	29°50	25°45	19° 7	26°14	2° 5	13°32	13°47	8°26	8°58	2°18	18°29	W13
T 14	17 30 4	23°18'29	17°55	6°26	1 [♂] 0	26°19	19°12	26°13	2° 8	13°31	13°46	8°19	8°55	2°24	18°32	T 14
F 15	17 34 0	24°15'51	2 [♂] 46	6°11	2°10	26°53	19°17	26°11	2°12	13°31	13°45	8°10	8°51	2°31	18°36	F 15
S 16	17 37 57	25°13'12	17°34	5°52	3°19	27°26	19°22	26°10	2°15	13°31	13°44	8° 0	8°48	2°38	18°39	S 16
S 17	17 41 54	26°10'32	2 [♂] 10	5°29	4°29	28° 0	19°28	26° 9	2°18	13°30	13°43	7°49	8°45	2°44	18°42	S 17
M18	17 45 50	27° 7'51	16°28	5° 3	5°38	28°34	19°34	26° 8	2°22	13°30	13°43	7°40	8°42	2°51	18°46	M18
T 19	17 49 47	28° 5'10	0 [♂] 21	4°35	6°48	29° 8	19°40	26° 7	2°25	13°30	13°42	7°33	8°39	2°58	18°49	T 19
W20	17 53 43	29° 2'29	13°48	4° 4	7°57	29°42	19°46	26° 6	2°28	13°30	13°41	7°29	8°35	3° 4	18°53	W20
T 21	17 57 40	29°59'47	26°49	3°31	9° 6	0 [♂] 16	19°52	26° 5	2°31	13°30	13°40	7°27	8°32	3°11	18°56	T 21
F 22	18 1 36	0 [♂] 57'04	9 [♂] 27	2°58	10°15	0°50	19°58	26° 4	2°34	13°30	13°39	7°D26	8°29	3°18	18°59	F 22
S 23	18 5 33	1°54'22	21°45	2°24	11°24	1°24	20° 4	26° 4	2°38	13°30	13°38	7°27	8°26	3°25	19° 2	S 23
S 24	18 9 30	2°51'39	3 [♂] 49	1°49	12°33	1°58	20°11	26° 3	2°41	13°D30	13°37	7°R27	8°23	3°31	19° 6	S 24
M25	18 13 26	3°48'55	15°44	1°16	13°42	2°33	20°18	26° 3	2°44	13°30	13°36	7°26	8°20	3°38	19° 9	M25
T 26	18 17 23	4°46'12	27°34	0°43	14°51	3° 7	20°25	26° 2	2°47	13°30	13°35	7°23	8°16	3°45	19°12	T 26
W27	18 21 19	5°43'29	9 [♂] 25	0°12	15°59	3°42	20°32	26° 2	2°50	13°30	13°34	7°19	8°13	3°51	19°15	W27
T 28	18 25 16	6°40'45	21°21	29 ^{II} 44	17° 8	4°16	20°39	26° 2	2°53	13°30	13°33	7°11	8°10	3°58	19°18	T 28
F 29	18 29 12	7°38'01	3 ^{II} 26	29°18	18°16	4°51	20°46	26°D 2	2°56	13°30	13°32	7° 2	8° 7	4° 5	19°21	F 29
S 30	18 33 9	8 [♂] 35'17	15 ^{II} 41	28 ^{II} 55	19 [♂] 24	5 [♂] 26	20 [♂] 53	26 [♂] 2	2 ^{II} 59	13 [♂] 30	13 [♂] 31	6 [♂] 52	8 [♂] 4	4 [♂] 11	19 [♂] 24	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 2	14n16	4s50	24n57	1n35	24n23	1n55	16n28	1n30	5n49	1n18	7s46	2n41	20n14	0s11	3s57	1n33	22s 1	5s38	7n56	7n58	8n 1	15n 9	2s 1			
S 2	22 10	16 31	5 0	24 47	1 26	24 15	1 56	16 17	1 29	5 48	1 18	7 45	2 40	20 14	0 11	3 57	1 33	22 1	5 38	8 1	7 59	8 3	15 10	2 2			
S 3	22 18	18 4	4 55	24 35	1 15	24 7	1 57	16 6	1 28	5 46	1 18	7 45	2 40	20 15	0 11	3 56	1 33	22 2	5 38	8 6	8 0	8 4	15 11	2 2			
M 4	22 25	18 46	4 37	24 23	1 4	23 58	1 58	15 55	1 27	5 45	1 17	7 44	2 40	20 16	0 11	3 56	1 33	22 2	5 39	8 11	8 1	8 6	15 12	2 2			
T 5	22 31	18 34	4 5	24 9	0 52	23 48	1 59	15 44	1 26	5 43	1 17	7 43	2 40	20 17	0 11	3 56	1 33	22 3	5 39	8 15	8 2	8 8	15 13	2 2			
W 6	22 38	17 26	3 21	23 56	0 39	23 38	2 0	15 32	1 25	5 41	1 17	7 43	2 39	20 17	0 11	3 56	1 33	22 3	5 39	8 18	8 3	8 10	15 14	2 2			
T 7	22 44	15 23	2 25	23 41	0 26	23 27	2 1	15 21	1 24	5 40	1 17	7 42	2 39	20 18	0 11	3 56	1 32	22 3	5 39	8 20	8 5	8 11	15 14	2 2			
F 8	22 49	12 30	1 21	23 26	0 11	23 16	2 1	15 9	1 24	5 38	1 17	7 42	2 39	20 19	0 11	3 55	1 32	22 4	5 40	8 21	8 6	8 13	15 15	2 2			
S 9	22 54	8 55	0 10	23 10	0s 4	23 4	2 2	14 57	1 23	5 36	1 16	7 41	2 39	20 19	0 11	3 55	1 32	22 4	5 40	8 21	8 7	8 15	15 16	2 3			
S 10	22 59	4 47	1n 2	22 55	0 19	22 51	2 2	14 46	1 22	5 34	1 16	7 41	2 39	20 20	0 11	3 55	1 32	22 4	5 40	8 21	8 8	8 17	15 17	2 3			
M11	23 3	0 19	2 12	22 39	0 35	22 38	2 3	14 34	1 21	5 32	1 16	7 40	2 38	20 21	0 11	3 55	1 32	22 5	5 40	8 21	8 9	8 18	15 18	2 3			
T 12	23 7	4s16	3 15	22 22	0 52	22 24	2 3	14 22	1 20	5 30	1 16	7 40	2 38	20 21	0 11	3 55	1 32	22 5	5 40	8 22	8 11	8 20	15 19	2 3			
W13	23 11	8 40	4 7	22 6	1 8	22 10	2 3	14 10	1 19	5 28	1 16	7 40	2 38	20 22	0 11	3 55	1 32	22 6	5 41	8 24	8 12	8 22	15 20	2 3			
T 14	23 14	12 37	4 43	21 49	1 25	21 54	2 3	13 57	1 19	5 26	1 15	7 39	2 38	20 23	0 11	3 55	1 32	22 6	5 41	8 26	8 13	8 24	15 20	2 3			
F 15	23 17	15 46	5 0	21 33	1 43	21 39	2 3	13 45	1 18	5 23	1 15	7 39	2 37	20 23	0 11	3 55	1 32	22 7	5 41	8 30	8 14	8 26	15 21	2 3			
S 16	23 19	17 53	4 57	21 17	2 0	21 23	2 3	13 33	1 17	5 21	1 15	7 39	2 37	20 24	0 11	3 55	1 32	22 7	5 41	8 33	8 15	8 27	15 22	2 4			
S 17	23 21	18 48	4 35	21 1	2 17	21 6	2 3	13 20	1 16	5 19	1 15	7 38	2 37	20 25	0 11	3 54	1 32	22 7	5 41	8 37	8 17	8 29	15 23	2 4			
M18	23 22	18 29	3 56	20 45	2 33	20 49	2 3	13 8	1 15	5 16	1 15	7 38	2 37	20 25	0 11	3 54	1 32	22 8	5 42	8 41	8 18	8 31	15 23	2 4			
T 19	23 23	17 3	3 4	20 30	2 49	20 31	2 2	12 55	1 15	5 14	1 15	7 38	2 36	20 26	0 11	3 54	1 32	22 8	5 42	8 43	8 19	8 33	15 24	2 4			
W20	23 24	14 42	2 2	20 15	3 5	20 13	2 2	12 43	1 14	5 11	1 14	7 38	2 36	20 27	0 11	3 54	1 32	22 9	5 42	8 45	8 20	8 34	15 25	2 4			
T 21	23 24	11 40	0 56	20 2	3 20	19 54	2 1	12 30	1 13	5 9	1 14	7 38	2 36	20 27	0 11	3 54	1 32	22 9	5 42	8 46	8 21	8 36	15 26	2 4			
F 22	23 24	8 11	0s11	19 49	3 34	19 35	2 1	12 17	1 12	5 6	1 14	7 38	2 36	20 28	0 11	3 54	1 32	22 10	5 42	8 46	8 22	8 38	15 26	2 5			
S 23	23 23	4 25	1 16	19 36	3 46	19 15	2 0	12 4	1 11	5 3	1 14	7 38	2 35	20 28	0 11	3 54	1 32	22 10	5 43	8 46	8 24	8 40	15 27	2 5			
S 24	23 22	0 34	2 16	19 25	3 58	18 55	1 59	11 51	1 11	5 1	1 14	7 38	2 35	20 29	0 11	3 54	1 32	22 10	5 43	8 46	8 25	8 41	15 28	2 5			
M25	23 21	3n16	3 9	19 15	4 8	18 34	1 58	11 38	1 10	4 58	1 13	7 38	2 35	20 30	0 11	3 54	1 32	22 11	5 43	8 46	8 26	8 43	15 29	2 5			
T 26	23 19	6 56	3 54	19 7	4 17	18 13	1 57	11 25	1 9	4 55	1 13	7 38	2 35	20 30	0 11	3 55	1 32	22 11	5 43	8 47	8 27	8 45	15 29	2 5			
W27	23 17	10 21	4 29	18 59	4 25	17 51	1 56	11 12	1 8	4 52	1 13	7 38	2 34	20 31	0 11	3 55	1 32	22 12	5 43	8 49	8 28	8 47	15 30	2 5			
T 28	23 14	13 21	4 53	18 53	4 31	17 29	1 54	10 59	1 7	4 49	1 13	7 39	2 34	20 31	0 11	3 55	1 32	22 12	5 43	8 51	8 30	8 48	15 31	2 6			
F 29	23 11	15 50	5 4	18 49	4 35	17 7	1 53	10 45	1 7	4 46	1 13	7 39	2 34	20 32	0 11	3 55	1 32	22 13	5 44	8 55	8 31	8 50	15 31	2 6			
S 30	23n 7	17n39	5s 1	18n45	4s38	16n44	1n51	10n32	1n 6	4n43	1n13	7s39	2n34	20n33	0s11	3s55	1n31	22s13	5s44	8n59	8n32	8n52	15n32	2s 6			

ASTRODIENST EPHEMERIS for the year 2277

geocentric

JULY 2277

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 37 5	9 ⁵² 32'33	28 ^{II} 8	28 ^R 36	20 ^Ω 32	6 [♈] 0	21 [♈] 1	26 [♈] 2	3 ^{II} 2	13 [♈] 30	13 ^R 30	6 ^R 42	8 [♈] 1	4 [♈] 18	19 ^R 27	S 1
M 2	18 41 2	10 ⁵² 29'48	10 [♈] 48	28 ^{II} 21	21 [°] 40	6 [°] 35	21 [°] 8	26 [°] 3	3 [°] 5	13 [°] 30	13 [°] 29	6 [°] 32	7 [°] 57	4 [°] 25	19 [°] 30	M 2
T 3	18 44 59	11 ⁵² 27'04	23 [°] 42	28 [°] 10	22 [°] 48	7 [°] 10	21 [°] 16	26 [°] 3	3 [°] 8	13 [°] 31	13 [°] 28	6 [°] 24	7 [°] 54	4 [°] 32	19 [°] 33	T 3
W 4	18 48 55	12 ⁵² 24'19	6 [♈] 47	28 [°] 3	23 [°] 56	7 [°] 45	21 [°] 24	26 [°] 3	3 [°] 11	13 [°] 31	13 [°] 27	6 [°] 18	7 [°] 51	4 [°] 38	19 [°] 35	W 4
T 5	18 52 52	13 ⁵² 21'33	20 [°] 4	28 ^D 1	25 [°] 4	8 [°] 20	21 [°] 32	26 [°] 4	3 [°] 14	13 [°] 31	13 [°] 25	6 [°] 15	7 [°] 48	4 [°] 45	19 [°] 38	T 5
F 6	18 56 48	14 ⁵² 18'48	3 [♈] 33	28 [°] 4	26 [°] 11	8 [°] 55	21 [°] 40	26 [°] 5	3 [°] 17	13 [°] 32	13 [°] 24	6 [°] D14	7 [°] 45	4 [°] 52	19 [°] 41	F 6
S 7	19 0 45	15 ⁵² 16'02	17 [°] 12	28 [°] 12	27 [°] 18	9 [°] 31	21 [°] 48	26 [°] 5	3 [°] 19	13 [°] 32	13 [°] 23	6 [°] 14	7 [°] 41	4 [°] 58	19 [°] 44	S 7
S 8	19 4 41	16 ⁵² 13'15	1 [♈] 2	28 [°] 25	28 [°] 25	10 [°] 6	21 [°] 56	26 [°] 6	3 [°] 22	13 [°] 33	13 [°] 22	6 [°] 15	7 [°] 38	5 [°] 5	19 [°] 46	S 8
M 9	19 8 38	17 ⁵² 10'29	15 [°] 3	28 [°] 42	29 [°] 32	10 [°] 41	22 [°] 5	26 [°] 7	3 [°] 25	13 [°] 33	13 [°] 21	6 [°] R16	7 [°] 35	5 [°] 12	19 [°] 49	M 9
T 10	19 12 34	18 ⁵² 7'42	29 [°] 13	29 [°] 5	0 [♈] 39	11 [°] 17	22 [°] 13	26 [°] 8	3 [°] 28	13 [°] 33	13 [°] 19	6 [°] 15	7 [°] 32	5 [°] 18	19 [°] 52	T 10
W11	19 16 31	19 ⁵² 4'54	13 [♈] 32	29 [°] 33	1 [°] 46	11 [°] 52	22 [°] 22	26 [°] 9	3 [°] 30	13 [°] 34	13 [°] 18	6 [°] 13	7 [°] 29	5 [°] 25	19 [°] 54	W11
T 12	19 20 28	20 ⁵² 2'07	27 [°] 57	0 [♈] 5	2 [°] 52	12 [°] 28	22 [°] 31	26 [°] 11	3 [°] 33	13 [°] 35	13 [°] 17	6 [°] 9	7 [°] 26	5 [°] 32	19 [°] 56	T 12
F 13	19 24 24	20 ⁵² 59'19	12 [♈] 22	0 [°] 43	3 [°] 59	13 [°] 3	22 [°] 40	26 [°] 12	3 [°] 36	13 [°] 35	13 [°] 16	6 [°] 3	7 [°] 22	5 [°] 39	19 [°] 59	F 13
S 14	19 28 21	21 ⁵² 56'32	26 [°] 44	1 [°] 25	5 [°] 5	13 [°] 39	22 [°] 49	26 [°] 14	3 [°] 38	13 [°] 36	13 [°] 15	5 [°] 56	7 [°] 19	5 [°] 45	20 [°] 1	S 14
S 15	19 32 17	22 ⁵² 53'44	10 [♈] 56	2 [°] 13	6 [°] 11	14 [°] 15	22 [°] 58	26 [°] 15	3 [°] 41	13 [°] 36	13 [°] 13	5 [°] 50	7 [°] 16	5 [°] 52	20 [°] 4	S 15
M16	19 36 14	23 ⁵² 50'56	24 [°] 54	3 [°] 5	7 [°] 17	14 [°] 50	23 [°] 7	26 [°] 17	3 [°] 43	13 [°] 37	13 [°] 12	5 [°] 44	7 [°] 13	5 [°] 59	20 [°] 6	M16
T 17	19 40 10	24 ⁵² 48'09	8 [♈] 32	4 [°] 2	8 [°] 22	15 [°] 26	23 [°] 16	26 [°] 18	3 [°] 46	13 [°] 38	13 [°] 11	5 [°] 39	7 [°] 10	6 [°] 5	20 [°] 8	T 17
W18	19 44 7	25 ⁵² 45'22	21 [°] 50	5 [°] 4	9 [°] 28	16 [°] 2	23 [°] 25	26 [°] 20	3 [°] 48	13 [°] 38	13 [°] 9	5 [°] 37	7 [°] 7	6 [°] 12	20 [°] 10	W18
T 19	19 48 3	26 ⁵² 42'35	4 [♈] 46	6 [°] 10	10 [°] 33	16 [°] 38	23 [°] 35	26 [°] 22	3 [°] 51	13 [°] 39	13 [°] 8	5 [°] D36	7 [°] 3	6 [°] 19	20 [°] 12	T 19
F 20	19 52 0	27 ⁵² 39'49	17 [°] 22	7 [°] 21	11 [°] 38	17 [°] 14	23 [°] 44	26 [°] 24	3 [°] 53	13 [°] 40	13 [°] 7	5 [°] 36	7 [°] 0	6 [°] 25	20 [°] 15	F 20
S 21	19 55 57	28 ⁵² 37'03	29 [°] 41	8 [°] 37	12 [°] 43	17 [°] 50	23 [°] 54	26 [°] 26	3 [°] 55	13 [°] 41	13 [°] 5	5 [°] 38	6 [°] 57	6 [°] 32	20 [°] 17	S 21
S 22	19 59 53	29 ⁵² 34'18	11 [♈] 46	9 [°] 57	13 [°] 48	18 [°] 26	24 [°] 4	26 [°] 29	3 [°] 58	13 [°] 42	13 [°] 4	5 [°] 39	6 [°] 54	6 [°] 39	20 [°] 19	S 22
M23	20 3 50	0 [♈] 31'33	23 [°] 42	11 [°] 21	14 [°] 52	19 [°] 2	24 [°] 14	26 [°] 31	4 [°] 0	13 [°] 43	13 [°] 3	5 [°] 41	6 [°] 51	6 [°] 46	20 [°] 21	M23
T 24	20 7 46	1 ⁵² 28'49	5 [♈] 34	12 [°] 50	15 [°] 56	19 [°] 39	24 [°] 24	26 [°] 33	4 [°] 2	13 [°] 44	13 [°] 1	5 [°] R41	6 [°] 47	6 [°] 52	20 [°] 22	T 24
W25	20 11 43	2 ⁵² 26'06	17 [°] 27	14 [°] 23	17 [°] 0	20 [°] 15	24 [°] 34	26 [°] 36	4 [°] 4	13 [°] 45	13 [°] 0	5 [°] 40	6 [°] 44	6 [°] 59	20 [°] 24	W25
T 26	20 15 39	3 ⁵² 23'24	29 [°] 26	15 [°] 59	18 [°] 4	20 [°] 51	24 [°] 44	26 [°] 38	4 [°] 7	13 [°] 45	12 [°] 59	5 [°] 37	6 [°] 41	7 [°] 6	20 [°] 26	T 26
F 27	20 19 36	4 ⁵² 20'43	11 [♈] 34	17 [°] 40	19 [°] 8	21 [°] 28	24 [°] 54	26 [°] 41	4 [°] 9	13 [°] 46	12 [°] 57	5 [°] 33	6 [°] 38	7 [°] 12	20 [°] 28	F 27
S 28	20 23 32	5 ⁵² 18'02	23 [°] 56	19 [°] 24	20 [°] 11	22 [°] 4	25 [°] 4	26 [°] 44	4 [°] 11	13 [°] 48	12 [°] 56	5 [°] 29	6 [°] 35	7 [°] 19	20 [°] 29	S 28
S 29	20 27 29	6 ⁵² 15'22	6 [♈] 32	21 [°] 11	21 [°] 14	22 [°] 41	25 [°] 15	26 [°] 47	4 [°] 13	13 [°] 49	12 [°] 55	5 [°] 24	6 [°] 32	7 [°] 26	20 [°] 31	S 29
M30	20 31 26	7 ⁵² 12'43	19 [°] 26	23 [°] 2	22 [°] 17	23 [°] 18	25 [°] 25	26 [°] 50	4 [°] 15	13 [°] 50	12 [°] 53	5 [°] 19	6 [°] 28	7 [°] 33	20 [°] 33	M30
T 31	20 35 22	8 ⁵² 10'04	2 [♈] 37	24 [°] 56	23 [°] 20	23 [°] 54	25 [°] 36	26 [°] 53	4 [°] 17	13 [°] 51	12 [°] 52	5 [°] 16	6 [°] 25	7 [°] 39	20 [°] 34	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	18n40	4s44	18n44	4s40	16n21	1n50	10n18	1n 5	4n40	1n12	7s39	2n33	20n33	0s11	3s55	1n31	22s14	5s44	9n 2	8n33	8n54	15n32	2s 6							
M 2	22 59	18 46	4 12	18 43	4 40	15 58	1 48	10 5	1 4	4 37	1 12	7 40	2 33	20 34	0 11	3 55	1 31	22 14	5 44	9 6	8 34	8 56	15 33	2 6							
T 3	22 54	17 55	3 28	18 44	4 39	15 34	1 46	9 51	1 4	4 34	1 12	7 40	2 33	20 34	0 11	3 55	1 31	22 15	5 44	9 9	8 36	8 57	15 34	2 6							
W 4	22 49	16 6	2 31	18 47	4 37	15 10	1 44	9 37	1 3	4 30	1 12	7 41	2 32	20 35	0 11	3 55	1 31	22 15	5 44	9 11	8 37	8 59	15 34	2 6							
T 5	22 44	13 25	1 26	18 50	4 33	14 45	1 42	9 23	1 2	4 27	1 12	7 41	2 32	20 35	0 11	3 56	1 31	22 16	5 45	9 12	8 38	9 1	15 35	2 7							
F 6	22 38	9 58	0 14	18 56	4 28	14 20	1 40	9 10	1 1	4 24	1 12	7 42	2 32	20 36	0 11	3 56	1 31	22 16	5 45	9 13	8 39	9 3	15 35	2 7							
S 7	22 32	5 57	0n59	19 2	4 22	13 55	1 38	8 56	1 1	4 20	1 11	7 42	2 32	20 37	0 11	3 56	1 31	22 17	5 45	9 13	8 40	9 4	15 36	2 7							
S 8	22 25	1 34	2 10	19 9	4 14	13 30	1 35	8 42	1 0	4 17	1 11	7 43	2 31	20 37	0 11	3 56	1 31	22 17	5 45	9 12	8 41	9 6	15 36	2 7							
M 9	22 18	2s56	3 14	19 17	4 6	13 4	1 33	8 28	0 59	4 14	1 11	7 43	2 31	20 38	0 11	3 56	1 31	22 18	5 45	9 12	8 43	9 8	15 37	2 8							
T 10	22 11	7 20	4 6	19 26	3 57	12 38	1 30	8 14	0 58	4 10	1 11	7 44	2 31	20 38	0 11	3 57	1 31	22 18	5 45	9 12	8 44	9 10	15 37	2 8							
W11	22 3	11 21	4 45	19 36	3 48	12 12	1 28	7 59	0 58	4 7	1 11	7 45	2 31	20 39	0 11	3 57	1 31	22 19	5 46	9 13	8 45	9 11	15 38	2 8							
T 12	21 55	14 43	5 5	19 47	3 37	11 45	1 25	7 45	0 57	4 3	1 11	7 45	2 30	20 39	0 11	3 57	1 31	22 19	5 46	9 15	8 46	9 13	15 38	2 8							
F 13	21 46	17 11	5 6	19 58	3 26	11 18	1 22	7 31	0 56	3 59	1 11	7 46	2 30	20 40	0 11	3 57	1 31	22 20	5 46	9 17	8 47	9 15	15 39	2 8							
S 14	21 37	18 33	4 48	20 9	3 14	10 51	1 19	7 16	0 55	3 56	1 10	7 47	2 30	20 40	0 11	3 58	1 31	22 20	5 46	9 19	8 49	9 17	15 39	2 8							
S 15	21 28	18 45	4 13	20 21	3 2	10 24	1 16	7 2	0 55	3 52	1 10	7 48	2 30	20 41	0 11	3 58	1 31	22 21	5 46	9 22	8 50	9 18	15 40	2 9							
M16	21 18	17 48	3 22	20 33	2 49	9 57	1 12	6 48	0 54	3 48	1 10	7 48	2 29	20 41	0 11	3 58	1 31	22 21	5 46	9 24	8 51	9 20	15 40	2 9							
T 17	21 8	15 49	2 21	20 44	2 36	9 29	1 9	6 33	0 53	3 44	1 10	7 49	2 29	20 42	0 11	3 59	1 31	22 22	5 46	9 25	8 52	9 22	15 40	2 9							
W18	20 58	13 2	1 14	20 55	2 23	9 1	1 5	6 18	0 53	3 41	1 10	7 50	2 29	20 42	0 11	3 59	1 31	22 22	5 46	9 26	8 53	9 23	15 41	2 9							
T 19	20 47	9 41	0 5	21 6	2 10	8 33	1 2	6 4	0 52	3 37	1 10	7 51	2 29	20 42	0 11	3 59	1 31	22 23	5 47	9 27	8 54	9 25	15 41	2 10							
F 20	20 36	5 58	1s 4	21 16	1 56	8 5	0 58	5 49	0 51	3 33	1 10	7 52	2 28	20 43	0 11	4 0	1 31	22 23	5 47	9 26	8 56	9 27	15 42	2 10							
S 21	20 24	2 5	2 7	21 26	1 42	7 37	0 54	5 34	0 50	3 29	1 9	7 53	2 28	20 43	0 11	4 0	1 31	22 24	5 47	9 26	8 57	9 29	15 42	2 10							
S 22	20 12	1n49	3 4	21 34	1 28	7 8	0 50	5 20	0 50	3 25	1 9	7 54	2 28	20 44	0 11	4 0	1 31	22 24	5 47	9 25	8 58	9 30	15 42	2 10							
M23	20 0	5 35	3 52	21 41	1 14	6 40	0 46	5 5	0 49	3 21	1 9	7 55	2 27	20 44	0 11	4 1	1 30	22 25	5 47	9 25	8 59	9 32	15 43	2 10							
T 24	19 48	9 6	4 30	21 47	1 0	6 11	0 42	4 50	0 48	3 17	1 9	7 56	2 27	20 45	0 11	4 1	1 30	22 25	5 47	9 25	9 0	9 34	15 43	2 11							
W25	19 35	12 16	4 57	21 51	0 47	5 42	0 38	4 35	0 48	3 13	1 9	7 57	2 27	20 45	0 11	4 1	1 30	22 26	5 47	9 25	9 1	9 36	15 43	2 11							
T 26	19 22	14 56	5 10	21 53	0 34	5 13	0 33	4 20	0 47	3 9	1 9	7 59	2 27	20 45	0 11	4 2	1 30	22 26	5 47	9 26	9 3	9 37	15 43	2 11							
F 27	19 9	17 0	5 11	21 54	0 20	4 44	0 29	4 5	0 46	3 4	1 9	8 0	2 26	20 46	0 11	4 2	1 30	22 27	5 48	9 28	9 4	9 39	15 44	2 11							
S 28	18 55	18 20	4 56	21 52	0 8	4 15	0 24	3 50	0 45	3 0	1 9	8 1	2 26	20 46	0 11	4 3	1 30	22 27	5 48	9 29	9 5	9 41	15 44	2 11							
S 29	18 41	18 47	4 28	21 49	0n 5	3 46	0 20	3 35	0 45	2 56	1 8	8 2	2 26	20 47	0 11	4 3	1 30	22 28	5 48	9 31	9 6	9 43	15 44	2 12							
M30	18 26	18 17	3 45	21 42	0 16	3 17	0 15	3 20	0 44	2 52	1 8	8 4	2 26	20 47	0 11	4 4	1 30	22 28	5 48	9 33	9 7	9 44	15 44	2 12							
T 31	18n12	16n48	2s49	21n34	0n28	2n48	0n10	3n 5	0n43	2n48	1n 8	8s 5	2n25	20n47	0s11	4s 4	1n30	22s29	5s48	9n34	9n 8	9n46	15n44	2s12							

ASTRODIENST EPHEMERIS for the year 2277

geocentric

AUGUST 2277

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 39 19	9♌ 7'27	16♌ 4	26♌52	24♍22	24♍31	25♍46	26♌56	4♎19	13♌52	12♌R50	5♌R13	6♍22	7♌46	20♌36	W 1
T 2	20 43 15	10° 4'49	29°45	28°51	25°24	25° 8	25°57	26°59	4°21	13°53	12♌A49	5°D12	6°19	7°53	20°37	T 2
F 3	20 47 12	11° 2'13	13♍39	0♌51	26°26	25°45	26° 8	27° 2	4°22	13°54	12°48	5♍12	6°16	7°59	20°38	F 3
S 4	20 51 8	11°59'37	27°41	2°53	27°27	26°22	26°18	27° 6	4°24	13°56	12°46	5°13	6°13	8° 6	20°40	S 4
S 5	20 55 5	12°57'02	11♌50	4°57	28°28	26°59	26°29	27° 9	4°26	13°57	12°45	5°15	6° 9	8°13	20°41	S 5
M 6	20 59 1	13°54'27	26° 2	7° 1	29°29	27°36	26°40	27°13	4°28	13°58	12°44	5°16	6° 6	8°19	20°42	M 6
T 7	21 2 58	14°51'52	10♌16	9° 6	0♌30	28°13	26°51	27°16	4°29	13°59	12°42	5°R17	6° 3	8°26	20°43	T 7
W 8	21 6 55	15°49'19	24°29	11°11	1°30	28°50	27° 2	27°20	4°31	14° 1	12°41	5°16	6° 0	8°33	20°44	W 8
T 9	21 10 51	16°46'46	8♌39	13°16	2°30	29°27	27°14	27°24	4°33	14° 2	12°39	5°15	5°57	8°40	20°45	T 9
F 10	21 14 48	17°44'14	22°42	15°21	3°29	0♌ 5	27°25	27°28	4°34	14° 4	12°38	5°14	5°53	8°46	20°46	F 10
S 11	21 18 44	18°41'42	6♌38	17°26	4°28	0°42	27°36	27°32	4°36	14° 5	12°37	5°12	5°50	8°53	20°47	S 11
S 12	21 22 41	19°39'11	20°22	19°30	5°27	1°19	27°48	27°36	4°37	14° 6	12°35	5° 9	5°47	9° 0	20°48	S 12
M13	21 26 37	20°36'41	3♌53	21°33	6°26	1°57	27°59	27°40	4°38	14° 8	12°34	5° 8	5°44	9° 6	20°49	M13
T 14	21 30 34	21°34'12	17°10	23°35	7°24	2°34	28°11	27°44	4°40	14° 9	12°33	5° 6	5°41	9°13	20°49	T 14
W15	21 34 30	22°31'44	0♌10	25°36	8°21	3°12	28°22	27°48	4°41	14°11	12°31	5°D 6	5°38	9°20	20°50	W15
T 16	21 38 27	23°29'17	12°54	27°36	9°18	3°50	28°34	27°53	4°42	14°12	12°30	5° 6	5°34	9°27	20°51	T 16
F 17	21 42 24	24°26'52	25°23	29°34	10°15	4°27	28°45	27°57	4°44	14°14	12°28	5° 6	5°31	9°33	20°51	F 17
S 18	21 46 20	25°24'27	7♌37	1♍31	11°11	5° 5	28°57	28° 2	4°45	14°16	12°27	5° 7	5°28	9°40	20°52	S 18
S 19	21 50 17	26°22'04	19°41	3°27	12° 7	5°43	29° 9	28° 6	4°46	14°17	12°26	5° 8	5°25	9°47	20°52	S 19
M20	21 54 13	27°19'43	1♌37	5°21	13° 2	6°21	29°21	28°11	4°47	14°19	12°24	5° 9	5°22	9°53	20°52	M20
T 21	21 58 10	28°17'23	13°30	7°14	13°57	6°59	29°33	28°16	4°48	14°21	12°23	5°10	5°19	10° 0	20°53	T 21
W22	22 2 6	29°15'04	25°23	9° 6	14°51	7°37	29°45	28°20	4°49	14°22	12°22	5°R10	5°15	10° 7	20°53	W22
T 23	22 6 3	0♍12'48	7♎22	10°56	15°45	8°15	29°57	28°25	4°50	14°24	12°20	5°10	5°12	10°13	20°53	T 23
F 24	22 9 59	1°10'32	19°30	12°45	16°38	8°53	0♌ 9	28°30	4°51	14°26	12°19	5°10	5° 9	10°20	20°53	F 24
S 25	22 13 56	2° 8'19	1♌53	14°32	17°31	9°31	0°21	28°35	4°51	14°27	12°18	5° 9	5° 6	10°27	20°R53	S 25
S 26	22 17 53	3° 6'06	14°33	16°18	18°23	10° 9	0°33	28°40	4°52	14°29	12°17	5° 9	5° 3	10°34	20°53	S 26
M27	22 21 49	4° 3'56	27°34	18° 2	19°14	10°47	0°45	28°45	4°53	14°31	12°15	5° 9	4°59	10°40	20°53	M27
T 28	22 25 46	5° 1'47	10♌56	19°45	20° 5	11°26	0°57	28°50	4°54	14°33	12°14	5°D 9	4°56	10°47	20°53	T 28
W29	22 29 42	5°59'40	24°41	21°27	20°55	12° 4	1° 9	28°56	4°54	14°35	12°13	5° 9	4°53	10°54	20°53	W29
T 30	22 33 39	6°57'34	8♍44	23° 8	21°44	12°43	1°22	29° 1	4°55	14°36	12°12	5°R 9	4°50	11° 0	20°53	T 30
F 31	22 37 35	7♍55'29	23♍ 3	24♍47	22♌33	13♌21	1♌34	29♌ 6	4♎55	14♌38	12♌A10	5♍19	4♍47	11♌ 7	20♌52	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n57	14n21	1s43	21n22	0n38	2n19	0n 5	2n50	0n43	2n43	1n 8	8s 6	2n25	20n48	0s11	4s 5
T 2	17 41	11 4	0 30	21 9	0 48	1 49	0s 0	2 34	0 42	2 39	1 8	8 8	2 25	20 48	0 11	4 5
F 3	17 26	7 8	0n46	20 52	0 57	1 20	0 6	2 19	0 41	2 35	1 8	8 9	2 25	20 48	0 11	4 6
S 4	17 10	2 46	2 1	20 33	1 6	0 51	0 11	2 4	0 40	2 30	1 8	8 10	2 25	20 49	0 11	4 6
S 5	16 54	1s47	3 8	20 11	1 13	0 21	0 16	1 48	0 40	2 26	1 8	8 12	2 24	20 49	0 11	4 7
M 6	16 38	6 14	4 4	19 47	1 20	0s 8	0 22	1 33	0 39	2 21	1 8	8 13	2 24	20 49	0 11	4 7
T 7	16 21	10 21	4 46	19 20	1 26	0 37	0 28	1 18	0 38	2 17	1 7	8 15	2 24	20 50	0 11	4 8
W 8	16 4	13 51	5 10	18 51	1 31	1 6	0 33	1 2	0 38	2 12	1 7	8 16	2 24	20 50	0 11	4 8
T 9	15 47	16 32	5 15	18 20	1 36	1 35	0 39	0 47	0 37	2 8	1 7	8 18	2 23	20 50	0 11	4 9
F 10	15 30	18 12	5 1	17 47	1 39	2 5	0 45	0 32	0 36	2 3	1 7	8 20	2 23	20 50	0 11	4 9
S 11	15 12	18 45	4 29	17 12	1 42	2 34	0 51	0 16	0 36	1 59	1 7	8 21	2 23	20 51	0 11	4 10
S 12	14 54	18 11	3 43	16 36	1 44	3 2	0 57	0 1	0 35	1 54	1 7	8 23	2 23	20 51	0 11	4 11
M13	14 36	16 35	2 44	15 57	1 45	3 31	1 4	0s15	0 34	1 49	1 7	8 25	2 22	20 51	0 11	4 11
T 14	14 18	14 7	1 38	15 18	1 46	4 0	1 10	0 30	0 34	1 45	1 7	8 26	2 22	20 52	0 11	4 12
W15	13 59	10 58	0 27	14 37	1 45	4 29	1 16	0 46	0 33	1 40	1 7	8 28	2 22	20 52	0 11	4 12
T 16	13 40	7 22	0s43	13 56	1 45	4 57	1 23	1 1	0 32	1 35	1 7	8 30	2 22	20 52	0 11	4 13
F 17	13 21	3 31	1 50	13 13	1 43	5 26	1 30	1 17	0 32	1 31	1 7	8 31	2 22	20 52	0 11	4 14
S 18	13 2	0n24	2 51	12 29	1 41	5 54	1 36	1 33	0 31	1 26	1 6	8 33	2 21	20 52	0 11	4 14
S 19	12 42	4 15	3 43	11 45	1 39	6 22	1 43	1 48	0 30	1 21	1 6	8 35	2 21	20 53	0 11	4 15
M20	12 23	7 53	4 25	11 1	1 35	6 50	1 50	2 4	0 30	1 16	1 6	8 37	2 21	20 53	0 11	4 16
T 21	12 3	11 10	4 55	10 16	1 32	7 17	1 57	2 19	0 29	1 12	1 6	8 39	2 21	20 53	0 11	4 16
W22	11 43	14 1	5 12	9 30	1 28	7 45	2 4	2 35	0 28	1 7	1 6	8 41	2 21	20 53	0 11	4 17
T 23	11 23	16 18	5 17	8 44	1 23	8 12	2 11	2 51	0 28	1 2	1 6	8 43	2 20	20 53	0 11	4 18
F 24	11 2	17 53	5 7	7 58	1 18	8 39	2 18	3 6	0 27	0 57	1 6	8 44	2 20	20 53	0 11	4 18
S 25	10 42	18 40	4 43	7 12	1 13	9 6	2 26	3 22	0 26	0 52	1 6	8 46	2 20	20 54	0 11	4 19
S 26	10 21	18 33	4 5	6 26	1 8	9 33	2 33	3 37	0 26	0 47	1 6	8 48	2 20	20 54	0 11	4 20
M27	10 0	17 27	3 14	5 40	1 2	9 59	2 40	3 53	0 25	0 43	1 6	8 50	2 20	20 54	0 11	4 20
T 28	9 39	15 22	2 10	4 54	0 56	10 26	2 48	4 8	0 24	0 38	1 6	8 52	2 19	20 54	0 11	4 21
W29	9 18	12 22	0 58	4 8	0 49	10 51	2 55	4 24	0 24	0 33	1 6	8 54	2 19	20 54	0 11	4 22
T 30	8 57	8 35	0n20	3 22	0 42	11 17	3 3	4 40	0 23	0 28	1 6	8 56	2 19	20 54	0 11	4 23
F 31	8n35	4n15	1n38	2n37	0n35	11s42	3s11	4s55	0n22	0n23	1n 6	8s58	2n19	20n54	0s11	4s23

Julian Day Number = 2552929.5, Delta T = 260.11 sec
 Ecliptic obliquity = 23°24'03, Nutation = - 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°37'12, Lahiri = 27°44'13

ASTRODIENST EPHEMERIS for the year 2277

geocentric

SEPTEMBER 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 32	8♈53'26	7♊33	26♈24	23♊21	14♊0	1♊47	29♊12	4♈56	14♊40	12°R 9	5°R 8	4♈44	11♈14	20°R52	S 1
S 2	22 45 28	9°51'25	22° 8	28° 1	24° 8	14°38	1°59	29°17	4°56	14°42	12° 8	5° 8	4°40	11°21	20°51	S 2
M 3	22 49 25	10°49'24	6♈42	29°36	24°54	15°17	2°11	29°23	4°57	14°44	12° 7	5° 7	4°37	11°27	20°51	M 3
T 4	22 53 21	11°47'26	21°10	1♊10	25°40	15°56	2°24	29°29	4°57	14°46	12° 6	5° 7	4°34	11°34	20°50	T 4
W 5	22 57 18	12°45'28	5♈28	2°42	26°24	16°35	2°36	29°34	4°57	14°48	12° 4	5° 7	4°31	11°41	20°50	W 5
T 6	23 1 15	13°43'32	19°32	4°14	27° 8	17°13	2°49	29°40	4°57	14°50	12° 3	5°D 7	4°28	11°47	20°49	T 6
F 7	23 5 11	14°41'37	3♈23	5°43	27°51	17°52	3° 2	29°46	4°58	14°52	12° 2	5° 7	4°24	11°54	20°48	F 7
S 8	23 9 8	15°39'43	16°58	7°12	28°33	18°31	3°14	29°52	4°58	14°54	12° 1	5° 8	4°21	12° 1	20°48	S 8
S 9	23 13 4	16°37'51	0♈19	8°39	29°13	19°10	3°27	29°57	4°58	14°56	12° 0	5° 9	4°18	12° 8	20°47	S 9
M10	23 17 1	17°36'00	13°25	10° 5	29°53	19°49	3°40	0♈ 3	4°R58	14°58	11°59	5°10	4°15	12°14	20°46	M10
T 11	23 20 57	18°34'11	26°18	11°30	0♈32	20°29	3°52	0° 9	4°58	15° 0	11°58	5°10	4°12	12°21	20°45	T 11
W12	23 24 54	19°32'24	8♈58	12°53	1° 9	21° 8	4° 5	0°15	4°58	15° 2	11°57	5°R10	4° 9	12°28	20°44	W12
T 13	23 28 50	20°30'38	21°27	14°15	1°45	21°47	4°18	0°22	4°57	15° 4	11°56	5°10	4° 5	12°34	20°43	T 13
F 14	23 32 47	21°28'53	3♈44	15°36	2°20	22°26	4°30	0°28	4°57	15° 6	11°55	5° 8	4° 2	12°41	20°42	F 14
S 15	23 36 44	22°27'11	15°52	16°55	2°54	23° 6	4°43	0°34	4°57	15° 8	11°54	5° 6	3°59	12°48	20°40	S 15
S 16	23 40 40	23°25'31	27°52	18°12	3°26	23°45	4°56	0°40	4°57	15°10	11°53	5° 3	3°56	12°55	20°39	S 16
M17	23 44 37	24°23'52	9♈46	19°28	3°57	24°25	5° 9	0°46	4°56	15°12	11°52	5° 0	3°53	13° 1	20°38	M17
T 18	23 48 33	25°22'16	21°38	20°42	4°27	25° 4	5°22	0°53	4°56	15°14	11°51	4°58	3°50	13° 8	20°37	T 18
W19	23 52 30	26°20'41	3♈30	21°55	4°54	25°44	5°35	0°59	4°56	15°16	11°50	4°55	3°46	13°15	20°35	W19
T 20	23 56 26	27°19'09	15°27	23° 6	5°21	26°23	5°48	1° 6	4°55	15°19	11°49	4°54	3°43	13°21	20°34	T 20
F 21	0 0 23	28°17'39	27°33	24°15	5°46	27° 3	6° 0	1°12	4°55	15°21	11°48	4°D53	3°40	13°28	20°32	F 21
S 22	0 4 19	29°16'11	9♈53	25°22	6° 9	27°43	6°13	1°18	4°54	15°23	11°47	4°53	3°37	13°35	20°31	S 22
S 23	0 8 16	0♈14'45	22°30	26°26	6°30	28°23	6°26	1°25	4°53	15°25	11°47	4°55	3°34	13°42	20°29	S 23
M24	0 12 13	1°13'21	5♈30	27°29	6°50	29° 3	6°39	1°32	4°53	15°27	11°46	4°56	3°30	13°48	20°27	M24
T 25	0 16 9	2°12'00	18°54	28°29	7° 8	29°43	6°52	1°38	4°52	15°29	11°45	4°58	3°27	13°55	20°25	T 25
W26	0 20 6	3°10'41	2♈45	29°27	7°24	0♈23	7° 5	1°45	4°51	15°32	11°44	4°R58	3°24	14° 2	20°24	W26
T 27	0 24 2	4° 9'23	17° 1	0♈22	7°37	1° 3	7°18	1°52	4°50	15°34	11°44	4°58	3°21	14° 8	20°22	T 27
F 28	0 27 59	5° 8'08	1♈39	1°13	7°49	1°43	7°31	1°58	4°49	15°36	11°43	4°56	3°18	14°15	20°20	F 28
S 29	0 31 55	6° 6'54	16°33	2° 2	7°59	2°23	7°44	2° 5	4°48	15°38	11°42	4°53	3°15	14°22	20°18	S 29
S 30	0 35 52	7♈54'3	1♈34	2♈47	8♈ 7	3♈ 3	7♈57	2♈12	4♈47	15°40	11°42	4♈48	3♈11	14°29	20°16	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	decl lat	decl lat
S 1	8n13	0s23	2n50	1n52	0n28	12s 7	3s18	5s11	0n22	0n18	1n 6	9s 1	2n19	20n54	0s11	4s24
S 2	7 52	5 1	3 52	1 7	0 21	12 32	3 26	5 26	0 21	0 13	1 6	9 3	2 18	20 55	0 11	4 25
M 3	7 30	9 20	4 39	0 22	0 13	12 57	3 34	5 42	0 20	0 8	1 6	9 5	2 18	20 55	0 11	4 26
T 4	7 8	13 4	5 8	0s22	0 6	13 21	3 42	5 57	0 20	0 3	1 5	9 7	2 18	20 55	0 11	4 26
W 5	6 46	15 59	5 17	1 6	0s 2	13 44	3 50	6 13	0 19	0s 2	1 5	9 9	2 18	20 55	0 11	4 27
T 6	6 23	17 53	5 7	1 50	0 10	14 8	3 58	6 28	0 18	0 7	1 5	9 11	2 18	20 55	0 11	4 28
F 7	6 1	18 42	4 39	2 33	0 18	14 31	4 6	6 44	0 18	0 12	1 5	9 13	2 18	20 55	0 11	4 29
S 8	5 39	18 25	3 56	3 15	0 26	14 53	4 14	6 59	0 17	0 17	1 5	9 16	2 17	20 55	0 11	4 29
S 9	5 16	17 6	3 1	3 57	0 34	15 16	4 22	7 14	0 16	0 22	1 5	9 18	2 17	20 55	0 11	4 30
M10	4 54	14 53	1 58	4 39	0 43	15 37	4 30	7 30	0 16	0 27	1 5	9 20	2 17	20 55	0 11	4 31
T 11	4 31	11 58	0 49	5 19	0 51	15 59	4 38	7 45	0 15	0 32	1 5	9 22	2 17	20 55	0 11	4 32
W12	4 8	8 31	0s21	6 0	0 59	16 19	4 46	8 0	0 14	0 37	1 5	9 24	2 17	20 55	0 11	4 33
T 13	3 45	4 45	1 29	6 39	1 8	16 40	4 54	8 16	0 14	0 42	1 5	9 27	2 17	20 55	0 11	4 34
F 14	3 22	0 50	2 31	7 18	1 16	17 0	5 2	8 31	0 13	0 48	1 5	9 29	2 17	20 55	0 11	4 35
S 15	2 59	3n 4	3 26	7 56	1 24	17 19	5 10	8 46	0 12	0 53	1 5	9 31	2 16	20 55	0 11	4 36
S 16	2 36	6 47	4 11	8 33	1 33	17 38	5 19	9 1	0 12	0 58	1 5	9 34	2 16	20 55	0 11	4 36
M17	2 13	10 13	4 45	9 10	1 41	17 56	5 27	9 16	0 11	1 3	1 5	9 36	2 16	20 55	0 11	4 37
T 18	1 50	13 13	5 6	9 45	1 49	18 13	5 34	9 31	0 11	1 8	1 5	9 38	2 16	20 54	0 11	4 38
W19	1 27	15 40	5 14	10 20	1 57	18 30	5 42	9 46	0 10	1 13	1 5	9 40	2 16	20 54	0 11	4 38
T 20	1 4	17 29	5 9	10 54	2 5	18 47	5 50	10 1	0 9	1 18	1 5	9 43	2 16	20 54	0 11	4 39
F 21	0 41	18 32	4 50	11 27	2 13	19 2	5 58	10 16	0 9	1 23	1 5	9 45	2 16	20 54	0 11	4 40
S 22	0 17	18 45	4 18	11 59	2 21	19 17	6 6	10 31	0 8	1 28	1 5	9 47	2 15	20 54	0 11	4 41
S 23	0s 6	18 2	3 32	12 30	2 28	19 32	6 13	10 46	0 7	1 33	1 5	9 50	2 15	20 54	0 11	4 42
M24	0 29	16 22	2 35	12 59	2 36	19 45	6 20	11 1	0 7	1 39	1 5	9 52	2 15	20 54	0 11	4 43
T 25	0 52	13 45	1 27	13 27	2 43	19 58	6 28	11 15	0 6	1 44	1 5	9 55	2 15	20 54	0 11	4 43
W26	1 16	10 17	0 12	13 54	2 50	20 10	6 35	11 30	0 5	1 49	1 5	9 57	2 15	20 54	0 11	4 44
T 27	1 39	6 7	1n 6	14 20	2 57	20 21	6 42	11 45	0 5	1 54	1 5	9 59	2 15	20 53	0 11	4 45
F 28	2 2	1 30	2 21	14 44	3 3	20 31	6 48	11 59	0 4	1 59	1 5	10 2	2 15	20 53	0 11	4 46
S 29	2 25	3s18	3 28	15 7	3 9	20 41	6 55	12 13	0 4	2 4	1 5	10 4	2 15	20 53	0 11	4 47
S 30	2s49	7s55	4n21	15s28	3s14	20s49	7s 1	12s28	0n 3	2s 9	1n 5	10s 7	2n15	20n53	0s11	4s48

Julian Day Number = 2552960.5, Delta T = 260.24 sec
 Ecliptic obliquity = 23°24'04, Nutation = - 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°37'17, Lahiri = 27°44'17

ASTRODIENST EPHEMERIS for the year 2277

geocentric

OCTOBER 2277

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 39 48	8♂ 4'33	16♂33	3♂29	8♂12	3♂44	8♂10	2♂19	4°R46	15♂43	11°R41	4°R43	3♂ 8	14♂35	20°R14	M 1
T 2	0 43 45	9° 3'26	1♂21	4° 6	8°15	4°24	8°23	2°26	4♂45	15°45	11°♂40	4♂39	3° 5	14°42	20♂12	T 2
W 3	0 47 41	10° 2'20	15°35	4°39	8°R16	5° 4	8°36	2°32	4°44	15°47	11°40	4°35	3° 2	14°49	20°10	W 3
T 4	0 51 38	11° 1'16	0♂ 4	5° 7	8°15	5°45	8°49	2°39	4°43	15°49	11°39	4°33	2°59	14°55	20° 8	T 4
F 5	0 55 35	12° 0'13	13°52	5°29	8°11	6°25	9° 2	2°46	4°42	15°51	11°39	4°D33	2°55	15° 2	20° 5	F 5
S 6	0 59 31	12°59'12	27°18	5°46	8° 5	7° 6	9°15	2°53	4°41	15°54	11°38	4°34	2°52	15° 9	20° 3	S 6
S 7	1 3 28	13°58'13	10♂24	5°57	7°56	7°47	9°28	3° 0	4°39	15°56	11°38	4°35	2°49	15°16	20° 1	S 7
M 8	1 7 24	14°57'15	23°13	6°R 2	7°45	8°27	9°41	3° 7	4°38	15°58	11°37	4°36	2°46	15°22	19°58	M 8
T 9	1 11 21	15°56'20	5♂48	5°59	7°31	9° 8	9°54	3°14	4°37	16° 0	11°37	4°R37	2°43	15°29	19°56	T 9
W10	1 15 17	16°55'26	18°10	5°50	7°15	9°49	10° 7	3°21	4°35	16° 3	11°36	4°36	2°40	15°36	19°54	W10
T 11	1 19 14	17°54'34	0♂24	5°32	6°57	10°30	10°20	3°28	4°34	16° 5	11°36	4°33	2°36	15°42	19°51	T 11
F 12	1 23 10	18°53'44	12°29	5° 7	6°37	11°11	10°33	3°35	4°32	16° 7	11°35	4°28	2°33	15°49	19°49	F 12
S 13	1 27 7	19°52'56	24°29	4°33	6°14	11°52	10°45	3°43	4°31	16° 9	11°35	4°21	2°30	15°56	19°46	S 13
S 14	1 31 4	20°52'10	6♂25	3°52	5°49	12°33	10°58	3°50	4°29	16°12	11°35	4°12	2°27	16° 3	19°44	S 14
M15	1 35 0	21°51'26	18°17	3° 2	5°22	13°14	11°11	3°57	4°27	16°14	11°35	4° 3	2°24	16° 9	19°41	M15
T 16	1 38 57	22°50'44	0♂ 9	2° 6	4°54	13°55	11°24	4° 4	4°26	16°16	11°34	3°54	2°21	16°16	19°38	T 16
W17	1 42 53	23°50'05	12° 2	1° 3	4°23	14°36	11°37	4°11	4°24	16°18	11°34	3°45	2°17	16°23	19°36	W17
T 18	1 46 50	24°49'27	23°58	29♂55	3°51	15°18	11°50	4°18	4°22	16°20	11°34	3°39	2°14	16°29	19°33	T 18
F 19	1 50 46	25°48'52	6♂ 3	28°44	3°18	15°59	12° 3	4°26	4°21	16°23	11°34	3°34	2°11	16°36	19°30	F 19
S 20	1 54 43	26°48'20	18°19	27°31	2°44	16°41	12°15	4°33	4°19	16°25	11°34	3°32	2° 8	16°43	19°27	S 20
S 21	1 58 39	27°47'49	0♂51	26°18	2° 8	17°22	12°28	4°40	4°17	16°27	11°33	3°D32	2° 5	16°50	19°25	S 21
M22	2 2 36	28°47'21	13°44	25° 8	1°32	18° 4	12°41	4°47	4°15	16°29	11°33	3°33	2° 1	16°56	19°22	M22
T 23	2 6 33	29°46'55	27° 2	24° 2	0°56	18°45	12°54	4°55	4°13	16°31	11°33	3°R33	1°58	17° 3	19°19	T 23
W24	2 10 29	0♂46'31	10♂48	23° 3	0°19	19°27	13° 6	5° 2	4°11	16°34	11°33	3°33	1°55	17°10	19°16	W24
T 25	2 14 26	1°46'10	25° 2	22°11	29♂43	20° 9	13°19	5° 9	4° 9	16°36	11°D33	3°31	1°52	17°16	19°13	T 25
F 26	2 18 22	2°45'50	9♂44	21°30	29° 6	20°50	13°32	5°16	4° 7	16°38	11°33	3°27	1°49	17°23	19°10	F 26
S 27	2 22 19	3°45'33	24°48	20°59	28°30	21°32	13°44	5°24	4° 5	16°40	11°33	3°20	1°46	17°30	19° 7	S 27
S 28	2 26 15	4°45'18	10♂ 4	20°39	27°55	22°14	13°57	5°31	4° 3	16°42	11°33	3°12	1°42	17°37	19° 4	S 28
M29	2 30 12	5°45'05	25°22	20°D30	27°21	22°56	14° 9	5°38	4° 1	16°44	11°33	3° 2	1°39	17°43	19° 1	M29
T 30	2 34 8	6°44'54	10♂30	20°33	26°48	23°38	14°22	5°45	3°59	16°47	11°34	2°53	1°36	17°50	18°58	T 30
W31	2 38 5	7♂44'44	25♂19	20♂46	26♂17	24♂20	14♂34	5♂53	3♂57	16♂49	11°♂34	2♂45	1♂33	17♂57	18♂55	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	3s12	12s 1	4n56	15s47	3s19	20s56	7s 7	12s42	0n 2	2s14	1n 5	10s 9	2n15	20n53	0s11	4s48
T 2	3 35	15 19	5 11	16 4	3 24	21 2	7 12	12 56	0 2	2 19	1 5	10 11	2 14	20 53	0 11	4 49
W 3	3 58	17 35	5 6	16 19	3 28	21 8	7 17	13 10	0 1	2 24	1 5	10 14	2 14	20 52	0 11	4 50
T 4	4 21	18 43	4 41	16 31	3 31	21 12	7 22	13 25	0 0	2 30	1 5	10 16	2 14	20 52	0 11	4 51
F 5	4 44	18 41	4 1	16 41	3 34	21 14	7 26	13 39	0s 0	2 35	1 5	10 19	2 14	20 52	0 11	4 52
S 6	5 7	17 35	3 9	16 49	3 35	21 16	7 30	13 52	0 1	2 40	1 5	10 21	2 14	20 52	0 11	4 53
S 7	5 30	15 33	2 8	16 53	3 36	21 16	7 34	14 6	0 1	2 45	1 5	10 24	2 14	20 51	0 11	4 54
M 8	5 53	12 47	1 2	16 54	3 36	21 15	7 37	14 20	0 2	2 50	1 5	10 26	2 14	20 51	0 11	4 54
T 9	6 16	9 28	0s 6	16 52	3 34	21 13	7 39	14 34	0 3	2 55	1 5	10 28	2 14	20 51	0 11	4 55
W10	6 38	5 47	1 13	16 46	3 32	21 9	7 40	14 47	0 3	3 0	1 5	10 31	2 14	20 51	0 11	4 56
T 11	7 1	1 54	2 15	16 36	3 27	21 4	7 41	15 1	0 4	3 5	1 5	10 33	2 14	20 50	0 11	4 57
F 12	7 23	2n 0	3 10	16 22	3 22	20 57	7 42	15 14	0 4	3 10	1 5	10 36	2 14	20 50	0 11	4 58
S 13	7 46	5 48	3 56	16 4	3 14	20 49	7 41	15 27	0 5	3 15	1 5	10 38	2 14	20 50	0 11	4 59
S 14	8 8	9 21	4 32	15 41	3 5	20 40	7 40	15 40	0 6	3 20	1 5	10 41	2 14	20 50	0 11	5 0
M15	8 30	12 31	4 55	15 14	2 54	20 29	7 38	15 53	0 6	3 25	1 5	10 43	2 14	20 49	0 11	5 0
T 16	8 52	15 10	5 6	14 42	2 41	20 16	7 35	16 6	0 7	3 30	1 5	10 46	2 13	20 49	0 11	5 1
W17	9 14	17 11	5 3	14 7	2 27	20 2	7 32	16 19	0 8	3 35	1 5	10 48	2 13	20 49	0 11	5 2
T 18	9 36	18 28	4 48	13 28	2 10	19 47	7 27	16 32	0 8	3 40	1 5	10 50	2 13	20 48	0 11	5 3
F 19	9 58	18 57	4 19	12 46	1 53	19 30	7 22	16 44	0 9	3 45	1 6	10 53	2 13	20 48	0 11	5 4
S 20	10 19	18 33	3 38	12 2	1 33	19 13	7 16	16 57	0 9	3 50	1 6	10 55	2 13	20 48	0 11	5 5
S 21	10 40	17 14	2 46	11 17	1 13	18 54	7 9	17 9	0 10	3 55	1 6	10 58	2 13	20 47	0 11	5 5
M22	11 2	15 1	1 44	10 32	0 53	18 34	7 1	17 21	0 11	4 0	1 6	11 0	2 13	20 47	0 11	5 6
T 23	11 23	11 56	0 35	9 48	0 32	18 13	6 52	17 33	0 11	4 4	1 6	11 3	2 13	20 47	0 11	5 7
W24	11 44	8 6	0n39	9 8	0 12	17 51	6 43	17 45	0 12	4 9	1 6	11 5	2 13	20 46	0 11	5 8
T 25	12 4	3 41	1 52	8 30	0n 8	17 28	6 33	17 57	0 12	4 14	1 6	11 7	2 13	20 46	0 11	5 9
F 26	12 25	1s 5	3 1	7 57	0 27	17 5	6 22	18 9	0 13	4 19	1 6	11 10	2 13	20 46	0 11	5 9
S 27	12 45	5 53	3 58	7 29	0 44	16 41	6 10	18 20	0 14	4 24	1 6	11 12	2 13	20 45	0 11	5 10
S 28	13 5	10 23	4 39	7 7	1 0	16 17	5 58	18 32	0 14	4 29	1 6	11 15	2 13	20 45	0 11	5 11
M29	13 25	14 12	5 1	6 51	1 15	15 53	5 45	18 43	0 15	4 33	1 6	11 17	2 13	20 44	0 11	5 12
T 30	13 45	17 1	5 1	6 40	1 27	15 28	5 32	18 54	0 15	4 38	1 6	11 20	2 13	20 44	0 11	5 13
W31	14s 4	18s39	4n40	6s35	1n38	15s 4	5s18	19s 5	0s16	4s43	1n 6	11s22	2n13	20n44	0s11	5s13

Julian Day Number = 2552990.5, Delta T = 260.37 sec
 Ecliptic obliquity = 23°24'04, Nutation = - 0°00'09, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°37'21, Lahiri = 27°44'21

ASTRODIENST EPHEMERIS for the year 2277

geocentric

NOVEMBER 2277

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 42 2	8♉44'37	9♊43	21♈10	25♈47	25♉2	14♈47	6♉0	3♈54	16♈51	11♈34	2♈39	1♈30	18♈3	18♈52	T 1
F 2	2 45 58	9♈44'31	23°39	21°43	25♈19	25°44	14°59	6°7	3♈52	16°53	11°34	2♈36	1°27	18°10	18♈49	F 2
S 3	2 49 55	10°44'26	7♈7	22°26	24°53	26°27	15°11	6°14	3°50	16°55	11°34	2°D35	1°23	18°17	18°46	S 3
S 4	2 53 51	11°44'23	20°10	23°16	24°28	27°9	15°24	6°22	3°48	16°57	11°35	2°35	1°20	18°24	18°43	S 4
M 5	2 57 48	12°44'22	2♈51	24°13	24°6	27°51	15°36	6°29	3°45	16°59	11°35	2°R35	1°17	18°30	18°40	M 5
T 6	3 1 44	13°44'22	15°16	25°16	23°46	28°34	15°48	6°36	3°43	17°1	11°35	2°34	1°14	18°37	18°37	T 6
W 7	3 5 41	14°44'24	27°27	26°25	23°29	29°16	16°0	6°43	3°41	17°3	11°36	2°32	1°11	18°44	18°34	W 7
T 8	3 9 37	15°44'27	9♈30	27°39	23°14	29°59	16°12	6°50	3°38	17°5	11°36	2°26	1°7	18°51	18°31	T 8
F 9	3 13 34	16°44'32	21°28	28°56	23°1	0♈41	16°24	6°58	3°36	17°7	11°36	2°18	1°4	18°57	18°28	F 9
S 10	3 17 30	17°44'39	3♈22	0♉17	22°51	1°24	16°36	7°5	3°34	17°9	11°37	2°7	1°1	19°4	18°25	S 10
S 11	3 21 27	18°44'47	15°14	1°41	22°43	2°7	16°48	7°12	3°31	17°11	11°37	1°53	0°58	19°11	18°21	S 11
M12	3 25 24	19°44'58	27°7	3°7	22°37	2°50	17°0	7°19	3°29	17°13	11°38	1°39	0°55	19°17	18°18	M12
T 13	3 29 20	20°45'10	9♈0	4°35	22°35	3°32	17°12	7°26	3°26	17°15	11°38	1°25	0°52	19°24	18°15	T 13
W14	3 33 17	21°45'24	20°57	6°5	22°D34	4°15	17°24	7°33	3°24	17°17	11°39	1°12	0°48	19°31	18°12	W14
T 15	3 37 13	22°45'40	2♈58	7°37	22°36	4°58	17°36	7°41	3°22	17°19	11°40	1°1	0°45	19°38	18°9	T 15
F 16	3 41 10	23°45'58	15°6	9°9	22°41	5°41	17°47	7°48	3°19	17°21	11°40	0°53	0°42	19°44	18°6	F 16
S 17	3 45 6	24°46'17	27°23	10°42	22°47	6°24	17°59	7°55	3°17	17°23	11°41	0°48	0°39	19°51	18°3	S 17
S 18	3 49 3	25°46'39	9♈54	12°16	22°57	7°7	18°11	8°2	3°14	17°25	11°41	0°45	0°36	19°58	18°0	S 18
M19	3 52 59	26°47'02	22°42	13°50	23°8	7°50	18°22	8°9	3°12	17°26	11°42	0°44	0°32	20°4	17°57	M19
T 20	3 56 56	27°47'28	5♈52	15°25	23°21	8°34	18°33	8°16	3°9	17°28	11°43	0°44	0°29	20°11	17°54	T 20
W21	4 0 53	28°47'55	19°27	17°0	23°37	9°17	18°45	8°23	3°7	17°30	11°44	0°44	0°26	20°18	17°51	W21
T 22	4 4 49	29°48'24	3♈30	18°35	23°55	10°0	18°56	8°30	3°4	17°32	11°44	0°41	0°23	20°25	17°48	T 22
F 23	4 8 46	0♈48'55	18°1	20°11	24°14	10°44	19°7	8°37	3°2	17°34	11°45	0°36	0°20	20°31	17°45	F 23
S 24	4 12 42	1°49'28	2♉56	21°46	24°36	11°27	19°19	8°44	2°59	17°35	11°46	0°28	0°17	20°38	17°42	S 24
S 25	4 16 39	2°50'02	18°9	23°21	24°59	12°11	19°30	8°50	2°57	17°37	11°47	0°17	0°13	20°45	17°39	S 25
M26	4 20 35	3°50'38	3♈29	24°57	25°25	12°54	19°41	8°57	2°54	17°39	11°48	0°6	0°10	20°52	17°36	M26
T 27	4 24 32	4°51'16	18°44	26°32	25°52	13°38	19°52	9°4	2°52	17°40	11°49	29♈54	0°7	20°58	17°33	T 27
W28	4 28 28	5°51'55	3♈44	28°7	26°20	14°22	20°2	9°11	2°49	17°42	11°50	29°44	0°4	21°5	17°30	W28
T 29	4 32 25	6°52'35	18°20	29°42	26°50	15°5	20°13	9°18	2°47	17°44	11°51	29°37	0°1	21°12	17°27	T 29
F 30	4 36 22	7♈53'16	2♈26	1♈18	27♈22	15♈49	20♈24	9♉24	2♈44	17♈45	11♈52	29♈32	29♈58	21♈18	17♈24	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	decl	lat	decl	lat
T 1	14s24	19s 1	4n 3	6s35	1n47	14s40	5s 4	19s16	0s17	4s48	1n 6	11s24	2n13	20n43	0s11	5s14	1n29	22s49	5s46	10n31	10n56	12n22	14n59	2s31					
F 2	14 43	18 11	3 11	6 40	1 55	14 16	4 50	19 26	0 17	4 52	1 6	11 27	2 13	20 43	0 11	5 15	1 29	22 49	5 46	10 32	10 57	12 24	14 58	2 31					
S 3	15 1	16 21	2 11	6 50	2 1	13 53	4 35	19 37	0 18	4 57	1 6	11 29	2 13	20 42	0 11	5 16	1 29	22 49	5 46	10 32	10 58	12 25	14 57	2 31					
S 4	15 20	13 42	1 6	7 5	2 6	13 30	4 20	19 47	0 18	5 2	1 7	11 31	2 13	20 42	0 11	5 17	1 29	22 49	5 46	10 32	10 59	12 27	14 56	2 31					
M 5	15 38	10 28	0s 1	7 23	2 9	13 8	4 5	19 57	0 19	5 6	1 7	11 34	2 13	20 42	0 11	5 17	1 29	22 49	5 46	10 32	11 0	12 29	14 56	2 31					
T 6	15 56	6 50	1 7	7 44	2 11	12 46	3 50	20 7	0 19	5 11	1 7	11 36	2 13	20 41	0 11	5 18	1 29	22 48	5 45	10 32	11 1	12 30	14 55	2 31					
W 7	16 14	2 58	2 8	8 8	2 12	12 26	3 35	20 17	0 20	5 16	1 7	11 38	2 13	20 41	0 11	5 19	1 29	22 48	5 45	10 33	11 2	12 32	14 54	2 32					
T 8	16 32	0n58	3 2	8 34	2 11	12 6	3 20	20 27	0 21	5 20	1 7	11 41	2 13	20 40	0 11	5 20	1 29	22 48	5 45	10 35	11 3	12 34	14 53	2 32					
F 9	16 49	4 50	3 48	9 3	2 10	11 48	3 5	20 36	0 21	5 25	1 7	11 43	2 13	20 40	0 11	5 20	1 29	22 48	5 45	10 38	11 5	12 35	14 52	2 32					
S 10	17 6	8 29	4 24	9 33	2 8	11 30	2 50	20 46	0 22	5 29	1 7	11 45	2 13	20 39	0 11	5 21	1 29	22 48	5 45	10 42	11 6	12 37	14 51	2 32					
S 11	17 22	11 47	4 48	10 4	2 6	11 14	2 36	20 55	0 22	5 34	1 7	11 48	2 13	20 39	0 11	5 22	1 29	22 47	5 45	10 47	11 7	12 38	14 50	2 32					
M12	17 39	14 38	4 59	10 37	2 2	10 58	2 21	21 4	0 23	5 38	1 7	11 50	2 13	20 39	0 11	5 22	1 29	22 47	5 45	10 52	11 8	12 40	14 49	2 32					
T 13	17 55	16 52	4 57	11 10	1 58	10 44	2 7	21 13	0 24	5 42	1 7	11 52	2 13	20 38	0 11	5 23	1 29	22 47	5 45	10 57	11 9	12 42	14 48	2 32					
W14	18 11	18 24	4 43	11 44	1 54	10 31	1 53	21 21	0 24	5 47	1 7	11 54	2 13	20 38	0 11	5 24	1 29	22 47	5 45	11 2	11 10	12 43	14 47	2 32					
T 15	18 26	19 7	4 15	12 18	1 49	10 19	1 39	21 30	0 25	5 51	1 8	11 57	2 13	20 37	0 11	5 25	1 30	22 46	5 45	11 6	11 11	12 45	14 46	2 32					
F 16	18 41	18 58	3 36	12 53	1 44	10 8	1 26	21 38	0 25	5 56	1 8	11 59	2 13	20 37	0 11	5 25	1 30	22 46	5 45	11 9	11 12	12 46	14 45	2 32					
S 17	18 56	17 56	2 46	13 27	1 38	9 58	1 13	21 46	0 26	6 0	1 8	12 1	2 13	20 36	0 11	5 26	1 30	22 46	5 45	11 10	11 14	12 48	14 44	2 32					
S 18	19 10	16 1	1 48	14 1	1 32	9 50	1 0	21 54	0 26	6 4	1 8	12 3	2 14	20 36	0 11	5 27	1 30	22 46	5 44	11 11	11 15	12 50	14 43	2 32					
M19	19 24	13 15	0 42	14 36	1 26	9 42	0 47	22 1	0 27	6 8	1 8	12 6	2 14	20 35	0 11	5 27	1 30	22 45	5 44	11 12	11 16	12 51	14 43	2 33					
T 20	19 38	9 46	0n27	15 9	1 20	9 36	0 35	22 9	0 27	6 13	1 8	12 8	2 14	20 35	0 11	5 28	1 30	22 45	5 44	11 12	11 17	12 53	14 42	2 33					
W21	19 52	5 39	1 37	15 43	1 14	9 31	0 23	22 16	0 28	6 17	1 8	12 10	2 14	20 34	0 11	5 29	1 30	22 45	5 44	11 12	11 18	12 54	14 41	2 33					
T 22	20 5	1 7	2 44	16 15	1 7	9 27	0 12	22 23	0 29	6 21	1 8	12 12	2 14	20 34	0 11	5 29	1 30	22 45	5 44	11 13	11 19	12 56	14 40	2 33					
F 23	20 17	3s38	3 42	16 48	1 0	9 24	0 1	22 30	0 29	6 25	1 8	12 14	2 14	20 33	0 11	5 30	1 30	22 44	5 44	11 15	11 20	12 58	14 39	2 33					
S 24	20 30	8 17	4 27	17 19	0 53	9 22	0n10	22 37	0 30	6 29	1 9	12 16	2 14	20 33	0 11	5 30	1 30	22 44	5 44	11 17	11 21	12 59	14 38	2 33					
S 25	20 42	12 30	4 53	17 50	0 47	9 20	0 20	22 43	0 30	6 33	1 9	12 18	2 14	20 32	0 11	5 31	1 30	22 44	5 44	11 21	11 23	13 1	14 37	2 33					
M26	20 53	15 55	5 0	18 20	0 40	9 20	0 31	22 49	0 31	6 37	1 9	12 20	2 14	20 32	0 11	5 32	1 30	22 43	5 44	11 25	11 24	13 2	14 36	2 33					
T 27	21 4	18 12	4 44	18 49	0 33	9 21	0 40	22 55	0 31	6 41	1 9	12 23	2 14	20 32	0 11	5 32	1 30	22 43	5 44	11 29	11 25	13 4	14 35	2 33					
W28	21 15	19 11	4 9	19 18	0 26	9 23	0 50	23 1	0 32	6 45	1 9	12 25	2 14	20 31	0 11	5 33	1 30	22 43	5 44	11 33	11 26	13 5	14 35	2 33					
T 29	21 25	18 52	3 19	19 45	0 19	9 25	0 59	23 6	0 32	6 49	1 9	12 27	2 14	20 31	0 11	5 33	1 30	22 42	5 44	11 35	11 27	13 7	14 34	2 33					
F 30	21s35	17s21	2n18	20s12	0n12	9s28	1n 7	23s12	0s33	6s53	1n 9	12s29	2n14	20n30	0s10	5s34	1n30	22s42	5s44	11n37	11n28	13n 9	14n33	2s33					

ASTRODIENST EPHEMERIS for the year 2277

geocentric

DECEMBER 2277

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 40 18	8♂53'58	16♂ 3	2♂52	27♂56	16♂33	20♂34	9♂31	2°R42	17♂47	11♂53	29°R30	29♂54	21♂25	17°R21	S 1
S 2	4 44 15	9°54'42	29°11	4°27	28°30	17°17	20°45	9°38	2♂39	17°48	11°54	29°D29	29°51	21°32	17♂18	S 2
M 3	4 48 11	10°55'26	11♂54	6° 2	29° 6	18° 1	20°55	9°44	2°37	17°50	11°55	29°R29	29°48	21°39	17°16	M 3
T 4	4 52 8	11°56'11	24°18	7°37	29°44	18°45	21° 6	9°51	2°34	17°51	11°56	29♂29	29°45	21°45	17°13	T 4
W 5	4 56 4	12°56'57	6♂27	9°11	0♂24	19°29	21°16	9°57	2°32	17°53	11°57	29°26	29°42	21°52	17°10	W 5
T 6	5 0 1	13°57'44	18°26	10°45	1° 3	20°13	21°26	10° 4	2°29	17°54	11°58	29°21	29°38	21°59	17° 7	T 6
F 7	5 3 58	14°58'32	0♂19	12°20	1°44	20°57	21°36	10°10	2°27	17°56	11°59	29°14	29°35	22° 5	17° 5	F 7
S 8	5 7 54	15°59'22	12°10	13°54	2°26	21°41	21°46	10°16	2°24	17°57	12° 0	29° 3	29°32	22°12	17° 2	S 8
S 9	5 11 51	17° 0'12	24° 2	15°28	3° 9	22°26	21°56	10°23	2°22	17°58	12° 1	28°50	29°29	22°19	17° 0	S 9
M10	5 15 47	18° 1'03	5♂57	17° 3	3°54	23°10	22° 6	10°29	2°20	18° 0	12° 3	28°37	29°26	22°26	16°57	M10
T 11	5 19 44	19° 1'55	17°56	18°37	4°39	23°54	22°15	10°35	2°17	18° 1	12° 4	28°23	29°23	22°32	16°54	T 11
W12	5 23 40	20° 2'48	0♂ 0	20°11	5°26	24°39	22°25	10°41	2°15	18° 2	12° 5	28°10	29°19	22°39	16°52	W12
T 13	5 27 37	21° 3'42	12°11	21°45	6°13	25°23	22°34	10°48	2°12	18° 4	12° 6	28° 0	29°16	22°46	16°50	T 13
F 14	5 31 33	22° 4'37	24°29	23°19	7° 2	26° 8	22°44	10°54	2°10	18° 5	12° 8	27°52	29°13	22°53	16°47	F 14
S 15	5 35 30	23° 5'33	6♂57	24°54	7°51	26°52	22°53	11° 0	2° 8	18° 6	12° 9	27°48	29°10	22°59	16°45	S 15
S 16	5 39 27	24° 6'31	19°35	26°28	8°41	27°37	23° 2	11° 6	2° 6	18° 7	12°10	27°45	29° 7	23° 6	16°42	S 16
M17	5 43 23	25° 7'29	2♂28	28° 3	9°32	28°22	23°11	11°12	2° 3	18° 8	12°12	27°D45	29° 4	23°13	16°40	M17
T 18	5 47 20	26° 8'29	15°38	29°37	10°23	29° 6	23°20	11°17	2° 1	18° 9	12°13	27°46	29° 0	23°19	16°38	T 18
W19	5 51 16	27° 9'29	29° 7	1♂12	11°16	29°51	23°29	11°23	1°59	18°10	12°14	27°R46	28°57	23°26	16°36	W19
T 20	5 55 13	28°10'30	12♂58	2°46	12° 9	0♂36	23°37	11°29	1°57	18°11	12°16	27°45	28°54	23°33	16°34	T 20
F 21	5 59 9	29°11'33	27°13	4°21	13° 3	1°21	23°46	11°35	1°54	18°12	12°17	27°42	28°51	23°40	16°32	F 21
S 22	6 3 6	0♂12'36	11♂49	5°56	13°57	2° 6	23°54	11°40	1°52	18°13	12°19	27°36	28°48	23°46	16°30	S 22
S 23	6 7 2	1°13'41	26°41	7°31	14°53	2°51	24° 3	11°46	1°50	18°14	12°20	27°29	28°44	23°53	16°28	S 23
M24	6 10 59	2°14'46	11♂44	9° 7	15°48	3°36	24°11	11°51	1°48	18°15	12°22	27°20	28°41	24° 0	16°26	M24
T 25	6 14 56	3°15'52	26°46	10°42	16°45	4°21	24°19	11°57	1°46	18°16	12°23	27°11	28°38	24° 6	16°24	T 25
W26	6 18 52	4°16'59	11♂39	12°18	17°42	5° 6	24°27	12° 2	1°44	18°17	12°25	27° 3	28°35	24°13	16°22	W26
T 27	6 22 49	5°18'06	26°14	13°53	18°39	5°51	24°35	12° 7	1°42	18°18	12°26	26°57	28°32	24°20	16°20	T 27
F 28	6 26 45	6°19'13	10♂24	15°29	19°37	6°36	24°42	12°13	1°40	18°19	12°28	26°54	28°29	24°27	16°18	F 28
S 29	6 30 42	7°20'21	24° 7	17° 5	20°36	7°22	24°50	12°18	1°38	18°19	12°29	26°D52	28°25	24°33	16°17	S 29
S 30	6 34 38	8°21'28	7♂22	18°41	21°34	8° 7	24°57	12°23	1°36	18°20	12°31	26°53	28°22	24°40	16°15	S 30
M31	6 38 35	9♂22'36	20♂12	20♂17	22♂34	8♂52	25♂ 4	12♂28	1♂34	18♂21	12♂33	26♂54	28♂19	24♂47	16♂14	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s45	14s53	1n10	20s37	0n 5	9s33	1n16	23s17	0s33	6s57	1n10	12s31	2n14	20n30	0s10	5s35
S 2	21 54	11 43	0 2	21 2	0s 2	9 37	1 24	23 21	0 34	7 1	1 10	12 33	2 15	20 29	0 10	5 35
M 3	22 3	8 5	1s 5	21 25	0 9	9 43	1 31	23 26	0 35	7 4	1 10	12 35	2 15	20 29	0 10	5 36
T 4	22 11	4 13	2 7	21 48	0 16	9 49	1 39	23 30	0 35	7 8	1 10	12 37	2 15	20 28	0 10	5 36
W 5	22 19	0 14	3 2	22 9	0 22	9 56	1 46	23 35	0 36	7 12	1 10	12 38	2 15	20 28	0 10	5 37
T 6	22 26	3n41	3 48	22 30	0 29	10 3	1 53	23 38	0 36	7 15	1 10	12 40	2 15	20 27	0 10	5 37
F 7	22 33	7 26	4 24	22 49	0 35	10 12	1 59	23 42	0 37	7 19	1 10	12 42	2 15	20 27	0 10	5 38
S 8	22 40	10 53	4 48	23 7	0 41	10 20	2 5	23 45	0 37	7 23	1 11	12 44	2 15	20 26	0 10	5 38
S 9	22 46	13 54	5 0	23 24	0 48	10 29	2 11	23 49	0 38	7 26	1 11	12 46	2 15	20 26	0 10	5 39
M10	22 52	16 22	4 58	23 40	0 54	10 39	2 17	23 52	0 38	7 30	1 11	12 48	2 15	20 25	0 10	5 39
T 11	22 57	18 8	4 44	23 54	1 0	10 49	2 22	23 54	0 39	7 33	1 11	12 50	2 16	20 25	0 10	5 40
W12	23 2	19 8	4 17	24 8	1 5	11 0	2 27	23 57	0 39	7 36	1 11	12 51	2 16	20 24	0 10	5 40
T 13	23 6	19 14	3 37	24 20	1 11	11 11	2 32	23 59	0 40	7 40	1 11	12 53	2 16	20 24	0 10	5 40
F 14	23 10	18 27	2 47	24 30	1 17	11 22	2 36	24 1	0 40	7 43	1 12	12 55	2 16	20 24	0 10	5 41
S 15	23 13	16 45	1 48	24 40	1 22	11 34	2 41	24 2	0 41	7 46	1 12	12 57	2 16	20 23	0 10	5 41
S 16	23 16	14 14	0 43	24 48	1 27	11 46	2 45	24 4	0 41	7 50	1 12	12 58	2 16	20 23	0 10	5 42
M17	23 19	10 58	0n25	24 55	1 32	11 59	2 48	24 5	0 42	7 53	1 12	13 0	2 16	20 22	0 10	5 42
T 18	23 21	7 6	1 34	25 0	1 36	12 11	2 52	24 6	0 42	7 56	1 12	13 2	2 16	20 22	0 10	5 42
W19	23 22	2 47	2 39	25 4	1 41	12 24	2 55	24 7	0 43	7 59	1 12	13 3	2 17	20 21	0 10	5 43
T 20	23 23	1s47	3 37	25 7	1 45	12 38	2 58	24 7	0 43	8 2	1 13	13 5	2 17	20 21	0 10	5 43
F 21	23 24	6 22	4 23	25 9	1 49	12 51	3 1	24 7	0 44	8 5	1 13	13 7	2 17	20 21	0 10	5 43
S 22	23 24	10 41	4 54	25 8	1 53	13 5	3 4	24 7	0 44	8 8	1 13	13 8	2 17	20 20	0 10	5 44
S 23	23 24	14 26	5 5	25 7	1 56	13 18	3 6	24 7	0 45	8 11	1 13	13 10	2 17	20 20	0 10	5 44
M24	23 23	17 16	4 56	25 4	1 59	13 32	3 8	24 6	0 45	8 13	1 13	13 11	2 17	20 19	0 10	5 44
T 25	23 22	18 56	4 26	25 0	2 2	13 46	3 10	24 5	0 45	8 16	1 14	13 13	2 18	20 19	0 10	5 45
W26	23 20	19 16	3 38	24 54	2 4	14 0	3 12	24 4	0 46	8 19	1 14	13 14	2 18	20 19	0 10	5 45
T 27	23 18	18 18	2 37	24 46	2 6	14 14	3 14	24 3	0 46	8 22	1 14	13 16	2 18	20 18	0 10	5 45
F 28	23 15	16 12	1 27	24 38	2 8	14 29	3 15	24 1	0 47	8 24	1 14	13 17	2 18	20 18	0 10	5 45
S 29	23 12	13 14	0 15	24 27	2 10	14 43	3 16	23 59	0 47	8 27	1 14	13 18	2 18	20 17	0 10	5 46
S 30	23 8	9 40	0s56	24 15	2 11	14 57	3 17	23 57	0 48	8 29	1 15	13 20	2 18	20 17	0 10	5 46
M31	23s 4	5s45	2s 3	24s 2	2s11	15s11	3n18	23s54	0s48	8s32	1n15	13s21	2n19	20n17	0s10	5s46

Julian Day Number = 2553051.5, Delta T = 260.62 sec

Ecliptic obliquity = 23°24'03, Nutation = - 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°37'29, Lahiri = 27°44'30