



Astrodienst Ephemeris Tables for the year 2279

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 2279
geocentric

JANUARY 2279

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 41 34	10♌ 8'38	3♏ 8	29♌49	15♌13	5♏59	20♏43	23♏20	5°R54	20♌31	14♌ 8	7°D29	8♏56	5♌40	21°R 2	W 1
T 2	6 45 30	11° 9'44	15° 3	0♌51	16°26	6° 3	20°54	23°26	5♏52	20°31	14° 9	7♏29	8°53	5°47	21♌ 0	T 2
F 3	6 49 27	12°10'52	27° 5	1°48	17°39	6° 5	21° 4	23°31	5°50	20°32	14°11	7°30	8°50	5°54	20°59	F 3
S 4	6 53 24	13°11'59	9♏18	2°38	18°53	6° 8	21°15	23°37	5°48	20°33	14°13	7°32	8°47	6° 0	20°57	S 4
S 5	6 57 20	14°13'07	21°44	3°21	20° 6	6° 9	21°25	23°42	5°46	20°33	14°14	7°33	8°43	6° 7	20°55	S 5
M 6	7 1 17	15°14'15	4♌28	3°56	21°19	6°R10	21°35	23°47	5°44	20°34	14°16	7°35	8°40	6°14	20°54	M 6
T 7	7 5 13	16°15'23	17°33	4°23	22°32	6° 9	21°45	23°53	5°42	20°34	14°18	7°R35	8°37	6°20	20°52	T 7
W 8	7 9 10	17°16'32	1♏ 3	4°39	23°45	6° 8	21°55	23°58	5°41	20°35	14°19	7°34	8°34	6°27	20°51	W 8
T 9	7 13 6	18°17'41	15° 0	4°R44	24°58	6° 7	22° 5	24° 3	5°39	20°35	14°21	7°33	8°31	6°34	20°50	T 9
F 10	7 17 3	19°18'51	29°22	4°38	26°11	6° 4	22°15	24° 8	5°37	20°36	14°23	7°31	8°28	6°40	20°48	F 10
S 11	7 20 59	20°20'01	14♌ 8	4°21	27°24	6° 1	22°24	24°13	5°36	20°36	14°24	7°28	8°24	6°47	20°47	S 11
S 12	7 24 56	21°21'11	29°11	3°52	28°37	5°57	22°34	24°18	5°34	20°36	14°26	7°26	8°21	6°54	20°46	S 12
M13	7 28 53	22°22'21	14♌22	3°11	29°50	5°52	22°44	24°23	5°33	20°37	14°28	7°24	8°18	7° 0	20°45	M13
T 14	7 32 49	23°23'30	29°33	2°19	1♌ 3	5°46	22°53	24°28	5°31	20°37	14°30	7°24	8°15	7° 7	20°44	T 14
W15	7 36 46	24°24'40	14♌34	1°17	2°15	5°39	23° 2	24°33	5°30	20°37	14°31	7°D24	8°12	7°14	20°43	W15
T 16	7 40 42	25°25'49	29°16	0° 8	3°28	5°32	23°11	24°37	5°28	20°38	14°33	7°24	8° 8	7°20	20°42	T 16
F 17	7 44 39	26°26'57	13♌33	28♌53	4°41	5°24	23°20	24°42	5°27	20°38	14°35	7°25	8° 5	7°27	20°41	F 17
S 18	7 48 35	27°28'05	27°24	27°34	5°53	5°15	23°29	24°46	5°26	20°38	14°37	7°26	8° 2	7°34	20°40	S 18
S 19	7 52 32	28°29'13	10♏47	26°15	7° 5	5° 5	23°38	24°51	5°25	20°38	14°38	7°27	7°59	7°40	20°40	S 19
M20	7 56 28	29°30'19	23°45	24°57	8°18	4°54	23°47	24°55	5°23	20°38	14°40	7°27	7°56	7°47	20°39	M20
T 21	8 0 25	0♌31'25	6♌22	23°43	9°30	4°43	23°55	25° 0	5°22	20°38	14°42	7°R27	7°53	7°54	20°38	T 21
W22	8 4 22	1°32'30	18°40	22°35	10°42	4°30	24° 4	25° 4	5°21	20°R38	14°44	7°27	7°49	8° 0	20°38	W22
T 23	8 8 18	2°33'35	0♏45	21°34	11°54	4°17	24°12	25° 8	5°20	20°38	14°46	7°26	7°46	8° 7	20°37	T 23
F 24	8 12 15	3°34'38	12°41	20°42	13° 6	4° 4	24°20	25°12	5°19	20°38	14°48	7°26	7°43	8°14	20°37	F 24
S 25	8 16 11	4°35'41	24°31	19°58	14°18	3°49	24°28	25°16	5°18	20°38	14°49	7°25	7°40	8°20	20°37	S 25
S 26	8 20 8	5°36'43	6♌20	19°24	15°30	3°34	24°36	25°20	5°17	20°38	14°51	7°25	7°37	8°27	20°36	S 26
M27	8 24 4	6°37'45	18° 9	18°59	16°42	3°18	24°44	25°24	5°16	20°38	14°53	7°25	7°34	8°34	20°36	M27
T 28	8 28 1	7°38'45	0♏ 2	18°43	17°53	3° 1	24°51	25°27	5°16	20°37	14°55	7°D25	7°30	8°40	20°36	T 28
W29	8 31 57	8°39'45	12° 0	18°D36	19° 5	2°44	24°59	25°31	5°15	20°37	14°57	7°R25	7°27	8°47	20°36	W29
T 30	8 35 54	9°40'44	24° 6	18°37	20°16	2°26	25° 6	25°34	5°14	20°37	14°59	7°25	7°24	8°54	20°D36	T 30
F 31	8 39 51	10♌41'42	6♏21	18♌46	21♌27	2♏ 7	25♏14	25♏38	5♏13	20♌37	15♌ 0	7♏25	7♏21	9♌ 0	20♌36	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23s 1	19n 2	0s24	21s31	1s24	18s 2	1s52	12n25	3n22	16s56	1n 1	16s30	2n 8	21n 9	0s 7	6s33
T 2	22 56	16 58	0n42	21 8	1 14	17 40	1 52	12 26	3 24	16 58	1 1	16 32	2 8	21 8	0 7	6 34
F 3	22 51	14 7	1 46	20 45	1 3	17 17	1 51	12 27	3 26	17 1	1 1	16 33	2 9	21 8	0 7	6 34
S 4	22 45	10 39	2 47	20 22	0 51	16 53	1 50	12 29	3 28	17 4	1 1	16 34	2 9	21 8	0 7	6 34
S 5	22 39	6 39	3 40	19 59	0 37	16 30	1 50	12 30	3 31	17 6	1 1	16 35	2 9	21 8	0 7	6 34
M 6	22 32	2 17	4 25	19 36	0 23	16 5	1 49	12 32	3 33	17 9	1 1	16 36	2 9	21 7	0 7	6 34
T 7	22 25	2s18	4 57	19 15	0 7	15 41	1 48	12 34	3 35	17 11	1 1	16 38	2 9	21 7	0 7	6 34
W 8	22 17	6 55	5 14	18 55	0n 9	15 16	1 47	12 37	3 37	17 14	1 1	16 39	2 9	21 7	0 7	6 35
T 9	22 9	11 19	5 13	18 37	0 27	14 50	1 46	12 39	3 40	17 16	1 1	16 40	2 9	21 6	0 7	6 35
F 10	22 1	15 12	4 53	18 20	0 45	14 24	1 44	12 42	3 42	17 19	1 1	16 41	2 10	21 6	0 6	6 35
S 11	21 52	18 15	4 14	18 6	1 4	13 58	1 43	12 46	3 44	17 21	1 2	16 42	2 10	21 6	0 6	6 35
S 12	21 43	20 8	3 16	17 54	1 23	13 31	1 42	12 49	3 46	17 23	1 2	16 43	2 10	21 6	0 6	6 35
M13	21 33	20 34	2 4	17 45	1 42	13 4	1 40	12 53	3 49	17 26	1 2	16 44	2 10	21 5	0 6	6 35
T 14	21 23	19 30	0 43	17 39	2 1	12 37	1 39	12 57	3 51	17 28	1 2	16 45	2 10	21 5	0 6	6 35
W15	21 12	17 4	0s40	17 35	2 18	12 10	1 37	13 2	3 53	17 30	1 2	16 46	2 10	21 5	0 6	6 35
T 16	21 1	13 34	1 58	17 34	2 35	11 42	1 35	13 7	3 55	17 32	1 2	16 47	2 10	21 5	0 6	6 35
F 17	20 50	9 21	3 8	17 35	2 49	11 14	1 33	13 12	3 57	17 34	1 2	16 48	2 11	21 4	0 6	6 35
S 18	20 38	4 45	4 3	17 39	3 2	10 45	1 31	13 17	3 59	17 37	1 2	16 49	2 11	21 4	0 6	6 35
S 19	20 26	0 6	4 44	17 44	3 12	10 16	1 29	13 23	4 1	17 39	1 2	16 50	2 11	21 4	0 6	6 35
M20	20 13	4n25	5 9	17 50	3 19	9 47	1 27	13 28	4 3	17 41	1 2	16 51	2 11	21 4	0 6	6 35
T 21	20 0	8 37	5 18	17 58	3 24	9 18	1 25	13 34	4 5	17 43	1 3	16 52	2 11	21 4	0 6	6 35
W22	19 47	12 21	5 12	18 7	3 27	8 49	1 22	13 41	4 7	17 45	1 3	16 52	2 11	21 3	0 6	6 35
T 23	19 33	15 31	4 52	18 16	3 27	8 19	1 20	13 47	4 9	17 47	1 3	16 53	2 12	21 3	0 6	6 35
F 24	19 19	17 59	4 20	18 26	3 25	7 49	1 18	13 54	4 11	17 48	1 3	16 54	2 12	21 3	0 6	6 35
S 25	19 5	19 41	3 37	18 36	3 21	7 19	1 15	14 1	4 13	17 50	1 3	16 55	2 12	21 3	0 6	6 35
S 26	18 50	20 31	2 44	18 46	3 16	6 49	1 12	14 8	4 15	17 52	1 3	16 56	2 12	21 3	0 6	6 35
M27	18 35	20 26	1 45	18 56	3 9	6 19	1 10	14 16	4 16	17 54	1 3	16 56	2 12	21 3	0 6	6 35
T 28	18 20	19 27	0 41	19 6	3 1	5 48	1 7	14 23	4 18	17 56	1 3	16 57	2 12	21 2	0 6	6 34
W29	18 4	17 34	0n25	19 16	2 52	5 18	1 4	14 31	4 19	17 57	1 4	16 58	2 13	21 2	0 6	6 34
T 30	17 48	14 54	1 31	19 26	2 43	4 47	1 1	14 39	4 21	17 59	1 4	16 58	2 13	21 2	0 6	6 34
F 31	17s32	11n33	2n34	19s34	2n32	4s16	0s58	14n47	4n22	18s 1	1n 4	16s59	2n13	21n 2	0s 6	6s34

Julian Day Number = 2553447.5, Delta T = 262.31 sec
Ecliptic obliquity = 23°24'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°38'24, Lahiri = 27°45'24

ASTRODIENST EPHEMERIS for the year 2279

geocentric

FEBRUARY 2279

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 47	11 ⁴² 40	18 ¹⁷ 47	19 ²⁸ 2	22 ²² 38	1 ⁰ R48	25 ¹¹ 21	25 ¹¹ 41	5 ⁰ R13	20 ⁰ R36	15 ⁴² 2	7 ⁰ R24	7 ⁰ Ω18	9 ⁰ ☾7	20 ⁰ ☾36	S 1
S 2	8 47 44	12 ⁰ 43'36	1 ⁴² 26	19 ⁰ 25	23 ⁰ 50	1 ¹⁷ 28	25 ⁰ 28	25 ⁰ 44	5 ¹¹ 12	20 ⁰ Ω36	15 ⁰ 4	7 ⁰ Ω24	7 ⁰ 14	9 ⁰ 14	20 ⁰ 36	S 2
M 3	8 51 40	13 ⁰ 44'33	14 ⁰ 19	19 ⁰ 53	25 ⁰ 1	1 ⁰ 8	25 ⁰ 34	25 ⁰ 48	5 ⁰ 12	20 ⁰ 36	15 ⁰ 6	7 ⁰ 23	7 ⁰ 11	9 ⁰ 20	20 ⁰ 37	M 3
T 4	8 55 37	14 ⁰ 45'28	27 ⁰ 28	20 ⁰ 27	26 ⁰ 11	0 ⁰ 47	25 ⁰ 41	25 ⁰ 51	5 ⁰ 11	20 ⁰ 35	15 ⁰ 8	7 ⁰ 22	7 ⁰ 8	9 ⁰ 27	20 ⁰ 37	T 4
W 5	8 59 33	15 ⁰ 46'23	10 ⁰ 11	21 ⁰ 6	27 ⁰ 22	0 ⁰ 25	25 ⁰ 48	25 ⁰ 54	5 ⁰ 11	20 ⁰ 35	15 ⁰ 10	7 ⁰ D22	7 ⁰ 5	9 ⁰ 34	20 ⁰ 37	W 5
T 6	9 3 30	16 ⁰ 47'17	24 ⁰ 42	21 ⁰ 49	28 ⁰ 33	0 ⁰ 3	25 ⁰ 54	25 ⁰ 57	5 ⁰ 10	20 ⁰ 34	15 ⁰ 12	7 ⁰ 22	7 ⁰ 2	9 ⁰ 40	20 ⁰ 38	T 6
F 7	9 7 26	17 ⁰ 48'10	8 ⁰ 48	22 ⁰ 37	29 ⁰ 43	29 ⁰ Ω41	26 ⁰ 0	25 ⁰ 59	5 ⁰ 10	20 ⁰ 34	15 ⁰ 13	7 ⁰ 22	6 ⁰ 59	9 ⁰ 47	20 ⁰ 38	F 7
S 8	9 11 23	18 ⁰ 49'03	23 ⁰ 12	23 ⁰ 28	0 ⁰ Y54	29 ⁰ 19	26 ⁰ 6	26 ⁰ 2	5 ⁰ 10	20 ⁰ 33	15 ⁰ 15	7 ⁰ 23	6 ⁰ 55	9 ⁰ 54	20 ⁰ 39	S 8
S 9	9 15 20	19 ⁰ 49'55	7 ⁰ 352	24 ⁰ 23	2 ⁰ 4	28 ⁰ 56	26 ⁰ 12	26 ⁰ 5	5 ⁰ 10	20 ⁰ 33	15 ⁰ 17	7 ⁰ 24	6 ⁰ 52	10 ⁰ 0	20 ⁰ 40	S 9
M10	9 19 16	20 ⁰ 50'46	22 ⁰ 42	25 ⁰ 21	3 ⁰ 14	28 ⁰ 32	26 ⁰ 18	26 ⁰ 7	5 ⁰ 10	20 ⁰ 32	15 ⁰ 19	7 ⁰ 25	6 ⁰ 49	10 ⁰ 7	20 ⁰ 40	M10
T 11	9 23 13	21 ⁰ 51'36	7 ⁰ 36	26 ⁰ 21	4 ⁰ 24	28 ⁰ 9	26 ⁰ 24	26 ⁰ 10	5 ⁰ 10	20 ⁰ 31	15 ⁰ 21	7 ⁰ R25	6 ⁰ 46	10 ⁰ 14	20 ⁰ 41	T 11
W12	9 27 9	22 ⁰ 52'25	22 ⁰ 26	27 ⁰ 25	5 ⁰ 34	27 ⁰ 45	26 ⁰ 29	26 ⁰ 12	5 ⁰ D 9	20 ⁰ 31	15 ⁰ 23	7 ⁰ 25	6 ⁰ 43	10 ⁰ 20	20 ⁰ 42	W12
T 13	9 31 6	23 ⁰ 53'12	7 ⁰ 4	28 ⁰ 30	6 ⁰ 43	27 ⁰ 21	26 ⁰ 34	26 ⁰ 14	5 ⁰ 10	20 ⁰ 30	15 ⁰ 24	7 ⁰ 24	6 ⁰ 40	10 ⁰ 27	20 ⁰ 43	T 13
F 14	9 35 2	24 ⁰ 53'58	21 ⁰ 24	29 ⁰ 38	7 ⁰ 53	26 ⁰ 57	26 ⁰ 39	26 ⁰ 16	5 ⁰ 10	20 ⁰ 29	15 ⁰ 26	7 ⁰ 22	6 ⁰ 36	10 ⁰ 34	20 ⁰ 44	F 14
S 15	9 38 59	25 ⁰ 54'43	5 ⁰ Y21	0 ⁰ 48	9 ⁰ 2	26 ⁰ 33	26 ⁰ 44	26 ⁰ 18	5 ⁰ 10	20 ⁰ 28	15 ⁰ 28	7 ⁰ 19	6 ⁰ 33	10 ⁰ 40	20 ⁰ 45	S 15
S 16	9 42 55	26 ⁰ 55'26	18 ⁰ 52	2 ⁰ 0	10 ⁰ 11	26 ⁰ 9	26 ⁰ 49	26 ⁰ 20	5 ⁰ 10	20 ⁰ 28	15 ⁰ 30	7 ⁰ 16	6 ⁰ 30	10 ⁰ 47	20 ⁰ 46	S 16
M17	9 46 52	27 ⁰ 56'08	1 ⁰ 58	3 ⁰ 13	11 ⁰ 21	25 ⁰ 45	26 ⁰ 54	26 ⁰ 22	5 ⁰ 10	20 ⁰ 27	15 ⁰ 32	7 ⁰ 14	6 ⁰ 27	10 ⁰ 54	20 ⁰ 47	M17
T 18	9 50 49	28 ⁰ 56'48	14 ⁰ 40	4 ⁰ 28	12 ⁰ 29	25 ⁰ 21	26 ⁰ 58	26 ⁰ 24	5 ⁰ 10	20 ⁰ 26	15 ⁰ 34	7 ⁰ 12	6 ⁰ 24	11 ⁰ 0	20 ⁰ 48	T 18
W19	9 54 45	29 ⁰ 57'26	27 ⁰ 2	5 ⁰ 45	13 ⁰ 38	24 ⁰ 58	27 ⁰ 3	26 ⁰ 25	5 ⁰ 11	20 ⁰ 25	15 ⁰ 35	7 ⁰ D11	6 ⁰ 20	11 ⁰ 7	20 ⁰ 50	W19
T 20	9 58 42	0 ⁰ 58'03	9 ⁰ II 8	7 ⁰ 4	14 ⁰ 47	24 ⁰ 34	27 ⁰ 7	26 ⁰ 27	5 ⁰ 11	20 ⁰ 24	15 ⁰ 37	7 ⁰ 11	6 ⁰ 17	11 ⁰ 14	20 ⁰ 51	T 20
F 21	10 2 38	1 ⁰ 58'38	21 ⁰ 4	8 ⁰ 23	15 ⁰ 55	24 ⁰ 11	27 ⁰ 11	26 ⁰ 28	5 ⁰ 12	20 ⁰ 23	15 ⁰ 39	7 ⁰ 13	6 ⁰ 14	11 ⁰ 20	20 ⁰ 52	F 21
S 22	10 6 35	2 ⁰ 59'12	2 ⁰ 53	9 ⁰ 44	17 ⁰ 3	23 ⁰ 48	27 ⁰ 14	26 ⁰ 30	5 ⁰ 12	20 ⁰ 22	15 ⁰ 41	7 ⁰ 14	6 ⁰ 11	11 ⁰ 27	20 ⁰ 54	S 22
S 23	10 10 31	3 ⁰ 59'43	14 ⁰ 41	11 ⁰ 6	18 ⁰ 11	23 ⁰ 25	27 ⁰ 18	26 ⁰ 31	5 ⁰ 13	20 ⁰ 21	15 ⁰ 43	7 ⁰ 16	6 ⁰ 8	11 ⁰ 34	20 ⁰ 56	S 23
M24	10 14 28	5 ⁰ 0'13	26 ⁰ 31	12 ⁰ 30	19 ⁰ 19	23 ⁰ 2	27 ⁰ 21	26 ⁰ 32	5 ⁰ 13	20 ⁰ 20	15 ⁰ 44	7 ⁰ 18	6 ⁰ 5	11 ⁰ 40	20 ⁰ 57	M24
T 25	10 18 24	6 ⁰ 0'42	8 ⁰ Ω29	13 ⁰ 55	20 ⁰ 27	22 ⁰ 40	27 ⁰ 25	26 ⁰ 33	5 ⁰ 14	20 ⁰ 19	15 ⁰ 46	7 ⁰ R18	6 ⁰ 1	11 ⁰ 47	20 ⁰ 59	T 25
W26	10 22 21	7 ⁰ 1'08	20 ⁰ 36	15 ⁰ 20	21 ⁰ 34	22 ⁰ 19	27 ⁰ 28	26 ⁰ 34	5 ⁰ 15	20 ⁰ 18	15 ⁰ 48	7 ⁰ 17	5 ⁰ 58	11 ⁰ 53	21 ⁰ 1	W26
T 27	10 26 18	8 ⁰ 1'33	2 ⁰ 11	16 ⁰ 47	22 ⁰ 41	21 ⁰ 58	27 ⁰ 31	26 ⁰ 35	5 ⁰ 15	20 ⁰ 17	15 ⁰ 50	7 ⁰ 15	5 ⁰ 55	12 ⁰ 0	21 ⁰ 2	T 27
F 28	10 30 14	9 ⁰ 1'56	15 ⁰ 11	18 ⁰ 15	23 ⁰ Y48	21 ⁰ Ω37	27 ⁰ 11	26 ⁰ 35	5 ⁰ 16	20 ⁰ 16	15 ⁰ 51	7 ⁰ Ω11	5 ⁰ Ω52	12 ⁰ ☾7	21 ⁰ ☾4	F 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
S 1	17s15	7n39	3n30	19s43	2n22	3s45	0s54	14n55	4n24	18s 2	1n 4	17s 0	2n13	21n 2	0s 6	S 1
S 2	16 58	3 22	4 17	19 50	2 11	3 14	0 51	15 4	4 25	18 4	1 4	17 0	2 13	21 2	0 6	S 2
M 3	16 40	1s 8	4 52	19 57	2 0	2 43	0 48	15 12	4 26	18 5	1 4	17 1	2 14	21 2	0 6	M 3
T 4	16 23	5 41	5 13	20 3	1 49	2 12	0 44	15 20	4 27	18 7	1 4	17 1	2 14	21 2	0 6	T 4
W 5	16 5	10 3	5 17	20 8	1 38	1 40	0 41	15 29	4 28	18 8	1 4	17 2	2 14	21 2	0 6	W 5
T 6	15 47	14 0	5 3	20 12	1 27	1 9	0 37	15 38	4 29	18 9	1 5	17 2	2 14	21 2	0 6	T 6
F 7	15 28	17 16	4 31	20 15	1 16	0 38	0 34	15 46	4 30	18 11	1 5	17 3	2 14	21 2	0 6	F 7
S 8	15 10	19 32	3 42	20 17	1 6	0 6	0 30	15 55	4 30	18 12	1 5	17 3	2 15	21 2	0 6	S 8
S 9	14 51	20 34	2 37	20 18	0 55	0n25	0 26	16 4	4 31	18 13	1 5	17 4	2 15	21 2	0 6	S 9
M10	14 31	20 10	1 21	20 18	0 45	0 56	0 22	16 12	4 32	18 14	1 5	17 4	2 15	21 2	0 6	M10
T 11	14 12	18 21	0s 1	20 17	0 34	1 28	0 18	16 21	4 32	18 16	1 5	17 4	2 15	21 2	0 6	T 11
W12	13 52	15 19	1 22	20 15	0 24	1 59	0 14	16 29	4 32	18 17	1 5	17 5	2 15	21 2	0 6	W12
T 13	13 32	11 20	2 37	20 11	0 15	2 30	0 10	16 38	4 32	18 18	1 6	17 5	2 15	21 2	0 6	T 13
F 14	13 12	6 46	3 40	20 7	0 5	3 2	0 6	16 46	4 32	18 19	1 6	17 5	2 16	21 2	0 6	F 14
S 15	12 52	1 59	4 28	20 1	0s 4	3 33	0 2	16 54	4 32	18 20	1 6	17 6	2 16	21 2	0 6	S 15
S 16	12 31	2n45	5 0	19 54	0 13	4 4	0n 2	17 3	4 32	18 21	1 6	17 6	2 16	21 2	0 6	S 16
M17	12 10	7 13	5 14	19 46	0 22	4 35	0 7	17 10	4 32	18 22	1 6	17 6	2 16	21 2	0 6	M17
T 18	11 49	11 13	5 13	19 36	0 30	5 6	0 11	17 18	4 31	18 23	1 6	17 6	2 16	21 2	0 6	T 18
W19	11 28	14 39	4 57	19 25	0 38	5 37	0 15	17 26	4 31	18 23	1 6	17 6	2 17	21 2	0 6	W19
T 20	11 7	17 22	4 28	19 13	0 46	6 7	0 20	17 33	4 30	18 24	1 7	17 7	2 17	21 2	0 6	T 20
F 21	10 45	19 19	3 48	19 0	0 54	6 38	0 24	17 41	4 29	18 25	1 7	17 7	2 17	21 2	0 6	F 21
S 22	10 24	20 24	2 58	18 46	1 1	7 8	0 29	17 47	4 29	18 26	1 7	17 7	2 17	21 2	0 6	S 22
S 23	10 2	20 35	2 1	18 30	1 8	7 38	0 34	17 54	4 28	18 26	1 7	17 7	2 17	21 2	0 6	S 23
M24	9 40	19 51	0 59	18 13	1 14	8 9	0 38	18 1	4 27	18 27	1 7	17 7	2 18	21 2	0 6	M24
T 25	9 18	18 13	0n 6	17 55	1 20	8 38	0 43	18 7	4 26	18 28	1 7	17 7	2 18	21 3	0 6	T 25
W26	8 55	15 45	1 12	17 35	1 26	9 8	0 48	18 13	4 24	18 28	1 7	17 7	2 18	21 3	0 6	W26
T 27	8 33	12 32	2 16	17 14	1 32	9 38	0 53	18 19	4 23	18 29	1 8	17 7	2 18	21 3	0 6	T 27
F 28	8s10	8n42	3n14	16s52	1s37	10n 7	0n58	18n24	4n22	18s29	1n 8	17s 7	2n18	21n 3	0s 6	F 28

Julian Day Number = 2553478.5, Delta T = 262.45 sec

Ecliptic obliquity = 23°24'05, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°38'28, Lahiri = 27°45'28

ASTRODIENST EPHEMERIS for the year 2279

geocentric

MARCH 2279

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	10 34 11	10♈ 2'17	28♏13	19♌45	24♋55	21♌17	27♏36	26♏36	5♏17	20♌15	15♌53	7♌6	5♏49	12♏13	21♌6	S 1
S 2	10 38 7	11° 2'37	11♏13	21°15	26° 1	20♏57	27°38	26°36	5°18	20♏14	15°55	7♏0	5°46	12°20	21° 8	S 2
M 3	10 42 4	12° 2'56	24°26	22°46	27° 7	20°38	27°40	26°37	5°19	20°12	15°56	6°54	5°42	12°27	21°10	M 3
T 4	10 46 0	13° 3'13	7♏31	24°18	28°13	20°20	27°42	26°37	5°20	20°11	15°58	6°49	5°39	12°33	21°12	T 4
W 5	10 49 57	14° 3'28	21°29	25°52	29°19	20° 2	27°44	26°37	5°21	20°10	16° 0	6°45	5°36	12°40	21°14	W 5
T 6	10 53 53	15° 3'42	5♏17	27°26	0♏25	19°45	27°46	26°R37	5°22	20° 9	16° 2	6°43	5°33	12°47	21°16	T 6
F 7	10 57 50	16° 3'55	19°16	29° 2	1°30	19°29	27°47	26°37	5°23	20° 7	16° 3	6°D43	5°30	12°53	21°19	F 7
S 8	11 1 47	17° 4'06	3♏25	0♈38	2°35	19°13	27°49	26°37	5°25	20° 6	16° 5	6°44	5°26	13° 0	21°21	S 8
S 9	11 5 43	18° 4'16	17°43	2°16	3°39	18°58	27°50	26°37	5°26	20° 5	16° 6	6°45	5°23	13° 7	21°23	S 9
M10	11 9 40	19° 4'24	2♏6	3°55	4°44	18°44	27°50	26°37	5°27	20° 3	16° 8	6°R46	5°20	13°13	21°26	M10
T 11	11 13 36	20° 4'31	16°33	5°34	5°48	18°30	27°51	26°36	5°29	20° 2	16°10	6°46	5°17	13°20	21°28	T 11
W12	11 17 33	21° 4'36	0♈59	7°15	6°52	18°17	27°52	26°36	5°30	20° 1	16°11	6°43	5°14	13°27	21°31	W12
T 13	11 21 29	22° 4'39	15°17	8°57	7°55	18° 5	27°52	26°35	5°31	19°59	16°13	6°39	5°11	13°33	21°33	T 13
F 14	11 25 26	23° 4'40	29°24	10°40	8°58	17°54	27°R52	26°34	5°33	19°58	16°14	6°32	5° 7	13°40	21°36	F 14
S 15	11 29 22	24° 4'39	13°Y13	12°24	10° 1	17°44	27°52	26°33	5°34	19°56	16°16	6°24	5° 4	13°47	21°38	S 15
S 16	11 33 19	25° 4'37	26°42	14°10	11° 4	17°34	27°52	26°32	5°36	19°55	16°17	6°16	5° 1	13°53	21°41	S 16
M17	11 37 15	26° 4'32	9♏48	15°56	12° 6	17°25	27°51	26°31	5°38	19°53	16°19	6° 8	4°58	14° 0	21°44	M17
T 18	11 41 12	27° 4'25	22°32	17°44	13° 8	17°17	27°51	26°30	5°39	19°52	16°20	6° 1	4°55	14° 7	21°47	T 18
W19	11 45 9	28° 4'16	4♏57	19°33	14° 9	17°10	27°50	26°29	5°41	19°50	16°22	5°56	4°51	14°13	21°50	W19
T 20	11 49 5	29° 4'05	17° 5	21°23	15°10	17° 3	27°49	26°28	5°43	19°49	16°23	5°53	4°48	14°20	21°52	T 20
F 21	11 53 2	0♋3'52	29° 1	23°14	16°11	16°58	27°48	26°26	5°45	19°47	16°25	5°D52	4°45	14°27	21°55	F 21
S 22	11 56 58	1° 3'36	10♏51	25° 6	17°11	16°53	27°46	26°25	5°47	19°46	16°26	5°52	4°42	14°33	21°58	S 22
S 23	12 0 55	2° 3'18	22°39	27° 0	18°11	16°49	27°45	26°23	5°49	19°44	16°28	5°53	4°39	14°40	22° 1	S 23
M24	12 4 51	3° 2'58	4♏32	28°54	19°10	16°45	27°43	26°21	5°51	19°43	16°29	5°R54	4°36	14°47	22° 5	M24
T 25	12 8 48	4° 2'36	16°33	0♋50	20° 9	16°43	27°41	26°20	5°53	19°41	16°30	5°53	4°32	14°53	22° 8	T 25
W26	12 12 44	5° 2'12	28°47	2°47	21° 7	16°41	27°39	26°18	5°55	19°40	16°32	5°51	4°29	15° 0	22°11	W26
T 27	12 16 41	6° 1'45	11♏17	4°45	22° 5	16°40	27°36	26°16	5°57	19°38	16°33	5°46	4°26	15° 6	22°14	T 27
F 28	12 20 38	7° 1'16	24° 5	6°44	23° 3	16°D40	27°34	26°14	5°59	19°37	16°34	5°38	4°23	15°13	22°17	F 28
S 29	12 24 34	8° 0'45	7♏12	8°44	24° 0	16°40	27°31	26°11	6° 1	19°35	16°36	5°29	4°20	15°20	22°21	S 29
S 30	12 28 31	9° 0'12	20°36	10°45	24°56	16°41	27°28	26° 9	6° 3	19°33	16°37	5°18	4°17	15°26	22°24	S 30
M31	12 32 27	9♋59'38	4♏15	12°Y46	25♏52	16♏43	27♏25	26♏ 7	6♏ 6	19♏32	16♏38	5♏ 7	4♏13	15♏33	22♏27	M31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	7s48	4n25	4n 3	16s29	1s42	10n36	1n 3	18n29	4n20	18s29	1n 8	17s 7	2n19	21n 3	0s 6	6s24	1n37	21s58	6s12	18n28	18n47	20n47	15n 5	3s 2
S 2	7 25	0s 7	4 41	16 5	1 47	11 5	1 7	18 34	4 19	18 30	1 8	17 7	2 19	21 3	0 6	6 24	1 37	21 57	6 12	18 30	18 48	20 47	15 5	3 2
M 3	7 2	4 44	5 4	15 39	1 51	11 33	1 12	18 39	4 17	18 30	1 8	17 7	2 19	21 4	0 6	6 23	1 37	21 57	6 13	18 31	18 49	20 48	15 6	3 2
T 4	6 39	9 12	5 11	15 12	1 55	12 2	1 17	18 43	4 15	18 31	1 8	17 7	2 19	21 4	0 6	6 23	1 37	21 57	6 13	18 32	18 50	20 48	15 7	3 2
W 5	6 16	13 15	5 1	14 44	1 58	12 30	1 22	18 47	4 14	18 31	1 8	17 6	2 20	21 4	0 6	6 22	1 37	21 56	6 13	18 33	18 50	20 48	15 7	3 2
T 6	5 53	16 39	4 34	14 15	2 1	12 58	1 27	18 51	4 12	18 31	1 9	17 6	2 20	21 4	0 6	6 22	1 37	21 56	6 13	18 34	18 51	20 48	15 8	3 1
F 7	5 29	19 9	3 50	13 44	2 4	13 25	1 33	18 54	4 10	18 31	1 9	17 6	2 20	21 4	0 6	6 21	1 37	21 56	6 13	18 34	18 52	20 48	15 8	3 1
S 8	5 6	20 30	2 51	13 12	2 6	13 53	1 38	18 58	4 8	18 31	1 9	17 6	2 20	21 5	0 6	6 21	1 37	21 55	6 13	18 34	18 53	20 48	15 9	3 1
S 9	4 43	20 33	1 42	12 39	2 8	14 20	1 43	19 0	4 6	18 31	1 9	17 6	2 20	21 5	0 6	6 20	1 37	21 55	6 13	18 33	18 54	20 49	15 10	3 1
M10	4 19	19 15	0 25	12 5	2 10	14 46	1 48	19 3	4 4	18 31	1 9	17 5	2 20	21 5	0 6	6 20	1 37	21 55	6 14	18 33	18 54	20 49	15 11	3 1
T 11	3 56	16 41	0s53	11 29	2 11	15 13	1 53	19 5	4 2	18 31	1 9	17 5	2 21	21 5	0 6	6 19	1 37	21 54	6 14	18 33	18 55	20 49	15 11	3 1
W12	3 32	13 6	2 7	10 52	2 12	15 39	1 58	19 7	4 0	18 31	1 9	17 5	2 21	21 6	0 6	6 19	1 37	21 54	6 14	18 34	18 56	20 49	15 12	3 1
T 13	3 8	8 45	3 13	10 14	2 12	16 4	2 3	19 9	3 58	18 31	1 10	17 4	2 21	21 6	0 6	6 18	1 37	21 54	6 14	18 35	18 57	20 49	15 13	3 1
F 14	2 45	4 0	4 6	9 35	2 12	16 30	2 8	19 10	3 55	18 31	1 10	17 4	2 21	21 6	0 6	6 18	1 37	21 53	6 14	18 37	18 57	20 49	15 13	3 1
S 15	2 21	0n52	4 43	8 55	2 11	16 55	2 14	19 11	3 53	18 31	1 10	17 4	2 21	21 7	0 6	6 17	1 37	21 53	6 14	18 39	18 58	20 50	15 14	3 1
S 16	1 57	5 34	5 3	8 14	2 10	17 19	2 19	19 12	3 51	18 31	1 10	17 3	2 22	21 7	0 6	6 17	1 37	21 53	6 15	18 41	18 59	20 50	15 15	3 1
M17	1 33	9 52	5 7	7 31	2 9	17 43	2 24	19 13	3 49	18 31	1 10	17 3	2 22	21 7	0 6	6 16	1 37	21 52	6 15	18 43	19 0	20 50	15 16	3 1
T 18	1 10	13 37	4 55	6 47	2 7	18 7	2 29	19 13	3 46	18 30	1 10	17 2	2 22	21 7	0 6	6 15	1 37	21 52	6 15	18 44	19 0	20 50	15 16	3 0
W19	0 46	16 40	4 29	6 2	2 4	18 31	2 34	19 13	3 44	18 30	1 10	17 2	2 22	21 8	0 6	6 15	1 37	21 52	6 15	18 46	19 1	20 50	15 17	3 0
T 20	0 22	18 56	3 52	5 16	2 1	18 54	2 39	19 13	3 42	18 30	1 11	17 1	2 22	21 8	0 6	6 14	1 37	21 52	6 15	18 46	19 2	20 50	15 18	3 0
F 21	0n 2	20 19	3 5	4 29	1 58	19 16	2 44	19 12	3 39	18 29	1 11	17 1	2 23	21 8	0 5	6 14	1 37	21 51	6 16	18 47	19 3	20 50	15 19	3 0
S 22	0 25	20 47	2 11	3 41	1 54	19 39	2 49	19 12	3 37	18 29	1 11	17 0	2 23	21 9	0 5	6 13	1 37	21 51	6 16	18 46	19 4	20 51	15 20	3 0
S 23	0 49	20 20	1 11	2 52	1 49	20 0	2 54	19 11	3 34	18 28	1 11	17 0	2 23	21 9	0 5	6 12	1 37	21 51	6 16	18 46	19 4	20 51	15 21	3 0
M24	1 13	18 59	0 7	2 2	1 44	20 22	2 59	19 9	3 32	18 28	1 11	16 59	2 23	21 9	0 5	6 12	1 37	21 51	6 16	18 46	19 5	20 51	15 21	3 0
T 25	1 36	16 45	0n57	1 11	1 39	20 43	3 4	19 8	3 30	18 27	1 11	16 59	2 23	21 10	0 5	6 11	1 37	21 50	6 16	18 46	19 6	20 51	15 22	3 0
W26	2 0	13 45	1 59	0 19	1 33	21 3	3 9	19 6	3 27	18 27	1 11	16 58	2 23	21 10	0 5	6 11	1 37	21 50	6 16	18 47	19 7	20 51	15 23	3 0
T 27	2 23	10 3	2 58	0n34	1 26	21 23	3 14	19 4	3 25	18 26	1 11	16 57	2 24	21 11	0 5	6 10	1 37	21 50	6 17	18 48	19 7	20 51	15 24	3 0
F 28	2 47	5 50	3 48	1 28	1 19	21 43	3 19	19 2	3 23	18 25	1 12	16 57	2 24	21 11	0 5	6 9	1 37	21 50	6 17	18 50	19 8	20 51	15 25	3 0
S 29	3 10	1 15	4 28	2 22	1 11	22 2	3 24	19 0	3 20	18 25	1 12	16 56	2 24	21 11	0 5	6 9	1 37	21 49	6 17	18 52	19 9	20 51	15 26	3 0
S 30	3 34	3s30	4 53	3 17	1 3	22 21	3 29	18 57	3 18	18 24	1 12	16 56	2 24	21 12	0 5	6 8	1 37	21 49	6 17	18 55	19 10	20 51	15 27	3 0
M31	3n57	8s 9	5n 3	4n12	0s54	22n39	3n33	18n54	3n16	18s23	1n12	16s55	2n24	21n12	0s 5	6s 7	1n37	21s49	6s18	18n58	19n10	20n51	15n27	3s 0

Julian Day Number = 2553506.5, Delta T = 262.57 sec
 Ecliptic obliquity = 23°24'06, Nutation = - 0°00'13, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°38'32, Lahiri = 27°45'32

ASTRODIENST EPHEMERIS for the year 2279

geocentric

APRIL 2279

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 24	10°59'01	18♌ 5	14°48	26♋47	16♌45	27°R22	26°R 4	6♊ 8	19°R30	16°39	4°R57	4♌10	15°40	22♋31	T 1
W 2	12 40 20	11°58'22	2♈ 4	16°51	27°42	16°49	27♌19	26♌ 2	6°10	19°28	16°41	4♌49	4° 7	15°46	22°34	W 2
T 3	12 44 17	12°57'42	16° 8	18°53	28°36	16°53	27°15	25°59	6°13	19°27	16°42	4°44	4° 4	15°53	22°38	T 3
F 4	12 48 13	13°57'00	0♈14	20°56	29°29	16°57	27°12	25°57	6°15	19°25	16°43	4°41	4° 1	16° 0	22°41	F 4
S 5	12 52 10	14°56'17	14°20	22°58	0♊22	17° 2	27° 8	25°54	6°17	19°24	16°44	4°D41	3°57	16° 6	22°45	S 5
S 6	12 56 7	15°55'31	28°27	25° 0	1°14	17° 8	27° 4	25°51	6°20	19°22	16°45	4°R41	3°54	16°13	22°48	S 6
M 7	13 0 3	16°54'44	12°32	27° 0	2° 5	17°15	26°59	25°48	6°22	19°20	16°46	4°41	3°51	16°20	22°52	M 7
T 8	13 4 0	17°53'55	26°35	29° 0	2°56	17°22	26°55	25°45	6°25	19°19	16°47	4°39	3°48	16°26	22°55	T 8
W 9	13 7 56	18°53'04	10♈33	0♈57	3°46	17°30	26°51	25°42	6°28	19°17	16°48	4°35	3°45	16°33	22°59	W 9
T 10	13 11 53	19°52'12	24°25	2°53	4°35	17°38	26°46	25°39	6°30	19°15	16°49	4°28	3°42	16°40	23° 3	T 10
F 11	13 15 49	20°51'17	8°Y 8	4°46	5°23	17°47	26°41	25°36	6°33	19°14	16°50	4°18	3°38	16°46	23° 7	F 11
S 12	13 19 46	21°50'21	21°37	6°37	6°11	17°57	26°36	25°32	6°36	19°12	16°51	4° 6	3°35	16°53	23°10	S 12
S 13	13 23 42	22°49'22	4♈51	8°24	6°57	18° 7	26°31	25°29	6°38	19°10	16°52	3°53	3°32	17° 0	23°14	S 13
M14	13 27 39	23°48'21	17°48	10° 8	7°43	18°18	26°26	25°25	6°41	19° 9	16°53	3°41	3°29	17° 6	23°18	M14
T 15	13 31 36	24°47'19	0♊27	11°48	8°28	18°29	26°20	25°22	6°44	19° 7	16°54	3°30	3°26	17°13	23°22	T 15
W16	13 35 32	25°46'14	12°48	13°24	9°12	18°41	26°15	25°18	6°47	19° 5	16°55	3°21	3°22	17°19	23°26	W16
T 17	13 39 29	26°45'07	24°55	14°56	9°54	18°53	26° 9	25°15	6°50	19° 4	16°56	3°15	3°19	17°26	23°30	T 17
F 18	13 43 25	27°43'58	6♈51	16°23	10°36	19° 6	26° 3	25°11	6°52	19° 2	16°57	3°12	3°16	17°33	23°33	F 18
S 19	13 47 22	28°42'47	18°40	17°45	11°17	19°19	25°57	25° 7	6°55	19° 1	16°57	3°10	3°13	17°39	23°37	S 19
S 20	13 51 18	29°41'33	0♌29	19° 2	11°56	19°33	25°51	25° 4	6°58	18°59	16°58	3°10	3°10	17°46	23°41	S 20
M21	13 55 15	0♈40'17	12°21	20°13	12°34	19°48	25°45	25° 0	7° 1	18°57	16°59	3°10	3° 7	17°53	23°45	M21
T 22	13 59 11	1°38'59	24°23	21°20	13°11	20° 3	25°38	24°56	7° 4	18°56	17° 0	3° 9	3° 3	17°59	23°49	T 22
W23	14 3 8	2°37'39	6♊41	22°21	13°47	20°18	25°32	24°52	7° 7	18°54	17° 0	3° 6	3° 0	18° 6	23°53	W23
T 24	14 7 5	3°36'16	19°17	23°16	14°21	20°34	25°25	24°48	7°10	18°53	17° 1	3° 0	2°57	18°13	23°57	T 24
F 25	14 11 1	4°34'52	2♌15	24° 6	14°54	20°50	25°19	24°44	7°13	18°51	17° 2	2°52	2°54	18°19	24° 2	F 25
S 26	14 14 58	5°33'25	15°37	24°50	15°26	21° 7	25°12	24°40	7°16	18°49	17° 2	2°41	2°51	18°26	24° 6	S 26
S 27	14 18 54	6°31'56	29°21	25°28	15°56	21°24	25° 5	24°35	7°20	18°48	17° 3	2°29	2°48	18°33	24°10	S 27
M28	14 22 51	7°30'26	13♌24	26° 0	16°25	21°41	24°58	24°31	7°23	18°46	17° 3	2°17	2°44	18°39	24°14	M28
T 29	14 26 47	8°28'53	27°41	26°26	16°51	21°59	24°51	24°27	7°26	18°45	17° 4	2° 6	2°41	18°46	24°18	T 29
W30	14 30 44	9♈27'19	12♈ 6	26♋47	17♊17	22♌17	24♌44	24♌23	7♊29	18°43	17° 5	1♌58	2♌38	18°53	24♋22	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	4n20	12s27	4n55	5n 8	0s45	22n56	3n38	18n51	3n13	18s22	1n12	16s54	2n24	21n13	0s 5	6s 7
W 2	4 44	16 8	4 30	6 4	0 36	23 14	3 43	18 48	3 11	18 21	1 12	16 53	2 25	21 13	0 5	6 6
T 3	5 7	18 54	3 48	6 59	0 26	23 30	3 47	18 45	3 9	18 21	1 12	16 53	2 25	21 13	0 5	6 6
F 4	5 30	20 32	2 52	7 55	0 15	23 47	3 52	18 41	3 6	18 20	1 12	16 52	2 25	21 14	0 5	6 5
S 5	5 53	20 53	1 46	8 51	0 4	24 2	3 56	18 37	3 4	18 19	1 12	16 51	2 25	21 14	0 5	6 4
S 6	6 15	19 54	0 33	9 46	0n 7	24 18	4 0	18 33	3 2	18 18	1 13	16 50	2 25	21 15	0 5	6 4
M 7	6 38	17 41	0s42	10 40	0 18	24 32	4 5	18 29	2 59	18 17	1 13	16 49	2 25	21 15	0 5	6 3
T 8	7 1	14 25	1 53	11 33	0 29	24 47	4 9	18 25	2 57	18 15	1 13	16 49	2 25	21 16	0 5	6 2
W 9	7 23	10 21	2 58	12 26	0 41	25 0	4 13	18 20	2 55	18 14	1 13	16 48	2 25	21 16	0 5	6 2
T 10	7 45	5 45	3 51	13 16	0 52	25 13	4 17	18 16	2 53	18 13	1 13	16 47	2 26	21 16	0 5	6 1
F 11	8 8	0 56	4 31	14 6	1 4	25 26	4 20	18 11	2 50	18 12	1 13	16 46	2 26	21 17	0 5	6 1
S 12	8 30	3n52	4 54	14 53	1 15	25 38	4 24	18 6	2 48	18 11	1 13	16 45	2 26	21 17	0 5	6 0
S 13	8 52	8 23	5 1	15 39	1 26	25 50	4 28	18 1	2 46	18 10	1 13	16 44	2 26	21 18	0 5	5 59
M14	9 14	12 26	4 52	16 22	1 37	26 1	4 31	17 55	2 44	18 8	1 13	16 43	2 26	21 18	0 5	5 59
T 15	9 35	15 50	4 29	17 3	1 47	26 12	4 34	17 50	2 42	18 7	1 13	16 42	2 26	21 19	0 5	5 58
W16	9 57	18 26	3 53	17 42	1 57	26 22	4 38	17 44	2 40	18 6	1 13	16 42	2 26	21 19	0 5	5 57
T 17	10 18	20 10	3 8	18 18	2 6	26 31	4 41	17 38	2 38	18 4	1 13	16 41	2 26	21 20	0 5	5 57
F 18	10 39	20 59	2 15	18 51	2 14	26 41	4 44	17 32	2 35	18 3	1 13	16 40	2 26	21 20	0 5	5 56
S 19	11 0	20 51	1 16	19 22	2 22	26 49	4 46	17 26	2 33	18 1	1 13	16 39	2 27	21 21	0 5	5 56
S 20	11 21	19 47	0 14	19 51	2 29	26 57	4 49	17 20	2 31	18 0	1 14	16 38	2 27	21 21	0 5	5 55
M21	11 41	17 51	0n49	20 16	2 35	27 5	4 51	17 13	2 29	17 58	1 14	16 37	2 27	21 22	0 5	5 54
T 22	12 2	15 6	1 50	20 39	2 41	27 12	4 53	17 6	2 27	17 57	1 14	16 36	2 27	21 22	0 5	5 54
W23	12 22	11 38	2 48	20 59	2 45	27 18	4 55	17 0	2 25	17 55	1 14	16 35	2 27	21 23	0 5	5 53
T 24	12 42	7 35	3 38	21 16	2 48	27 24	4 57	16 53	2 23	17 54	1 14	16 34	2 27	21 23	0 5	5 53
F 25	13 2	3 4	4 19	21 31	2 50	27 30	4 59	16 46	2 22	17 52	1 14	16 33	2 27	21 24	0 5	5 52
S 26	13 21	1s43	4 48	21 43	2 51	27 35	5 0	16 39	2 20	17 51	1 14	16 32	2 27	21 24	0 5	5 51
S 27	13 41	6 32	5 0	21 52	2 51	27 39	5 1	16 31	2 18	17 49	1 14	16 31	2 27	21 25	0 5	5 51
M28	14 0	11 8	4 55	21 59	2 50	27 43	5 2	16 24	2 16	17 47	1 14	16 29	2 27	21 25	0 5	5 50
T 29	14 19	15 12	4 32	22 3	2 48	27 46	5 2	16 16	2 14	17 46	1 14	16 28	2 27	21 26	0 5	5 50
W30	14n37	18s24	3n51	22n 4	2n44	27n49	5n 3	16n 9	2n12	17s44	1n14	16s27	2n27	21n27	0s 5	5s49

Julian Day Number = 2553537.5, Delta T = 262.70 sec

Ecliptic obliquity = 23°24'06, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°38'36, Lahiri = 27°45'37

ASTRODIENST EPHEMERIS for the year 2279

geocentric

MAY 2279

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 34 40	10♌25'43	26♊33	27♌2	17♏40	22♏36	24°R37	24°R19	7♏32	18°R42	17♏5	1°R51	2♏35	18♌59	24♌26	T 1
F 2	14 38 37	11°24'06	10♌57	27°11	18°2	22°55	24♏30	24♏14	7°35	18♌40	17°5	1♏48	2°32	19°6	24°30	F 2
S 3	14 42 33	12°22'27	25°15	27°R14	18°22	23°14	24°23	24°10	7°39	18°39	17°6	1°47	2°28	19°13	24°35	S 3
S 4	14 46 30	13°20'47	9♏24	27°12	18°40	23°34	24°15	24°6	7°42	18°37	17°6	1°47	2°25	19°19	24°39	S 4
M 5	14 50 27	14°19'05	23°23	27°5	18°56	23°54	24°8	24°1	7°45	18°36	17°7	1°47	2°22	19°26	24°43	M 5
T 6	14 54 23	15°17'21	7♏12	26°52	19°10	24°15	24°1	23°57	7°49	18°34	17°7	1°45	2°19	19°32	24°47	T 6
W 7	14 58 20	16°15'36	20°52	26°35	19°22	24°36	23°53	23°52	7°52	18°33	17°7	1°41	2°16	19°39	24°52	W 7
T 8	15 2 16	17°13'50	4♏20	26°14	19°32	24°57	23°45	23°48	7°55	18°32	17°8	1°35	2°13	19°46	24°56	T 8
F 9	15 6 13	18°12'02	17°39	25°49	19°39	25°19	23°38	23°43	7°59	18°30	17°8	1°25	2°9	19°52	25°0	F 9
S 10	15 10 9	19°10'12	0♌45	25°20	19°45	25°40	23°30	23°39	8°2	18°29	17°8	1°14	2°6	19°59	25°4	S 10
S 11	15 14 6	20°8'21	13°38	24°49	19°48	26°3	23°23	23°34	8°5	18°27	17°8	1°2	2°3	20°6	25°9	S 11
M12	15 18 2	21°6'29	26°18	24°15	19°R49	26°25	23°15	23°30	8°9	18°26	17°9	0°50	2°0	20°12	25°13	M12
T 13	15 21 59	22°4'34	8♏44	23°39	19°47	26°48	23°7	23°25	8°12	18°25	17°9	0°39	1°57	20°19	25°17	T 13
W14	15 25 56	23°2'38	20°57	23°3	19°43	27°11	23°0	23°21	8°15	18°23	17°9	0°31	1°54	20°26	25°21	W14
T 15	15 29 52	24°0'40	2♌59	22°26	19°37	27°34	22°52	23°16	8°19	18°22	17°9	0°25	1°50	20°32	25°26	T 15
F 16	15 33 49	24°58'41	14°52	21°50	19°28	27°58	22°44	23°12	8°22	18°21	17°9	0°21	1°47	20°39	25°30	F 16
S 17	15 37 45	25°56'40	26°40	21°15	19°16	28°22	22°37	23°7	8°26	18°20	17°9	0°D20	1°44	20°46	25°34	S 17
S 18	15 41 42	26°54'37	8♏27	20°41	19°3	28°46	22°29	23°3	8°29	18°18	17°R9	0°20	1°41	20°52	25°39	S 18
M19	15 45 38	27°52'32	20°19	20°9	18°47	29°11	22°22	22°58	8°33	18°17	17°9	0°21	1°38	20°59	25°43	M19
T 20	15 49 35	28°50'25	2♏21	19°40	18°28	29°36	22°14	22°54	8°36	18°16	17°9	0°R21	1°34	21°6	25°47	T 20
W21	15 53 31	29°48'17	14°38	19°13	18°7	0♏1	22°6	22°49	8°40	18°15	17°9	0°20	1°31	21°12	25°51	W21
T 22	15 57 28	0♏46'06	27°15	18°51	17°44	0°26	21°59	22°45	8°43	18°14	17°9	0°17	1°28	21°19	25°56	T 22
F 23	16 1 25	1°43'55	10♌16	18°31	17°19	0°52	21°52	22°41	8°47	18°13	17°9	0°11	1°25	21°25	26°0	F 23
S 24	16 5 21	2°41'41	23°43	18°16	16°52	1°17	21°44	22°36	8°50	18°12	17°9	0°4	1°22	21°32	26°4	S 24
S 25	16 9 18	3°39'26	7♏36	18°6	16°22	1°43	21°37	22°32	8°54	18°11	17°9	29♌56	1°19	21°39	26°8	S 25
M26	16 13 14	4°37'10	21°54	17°59	15°52	2°10	21°29	22°27	8°57	18°10	17°8	29°47	1°15	21°45	26°13	M26
T 27	16 17 11	5°34'52	6♏30	17°D57	15°19	2°36	21°22	22°23	9°1	18°9	17°8	29°39	1°12	21°52	26°17	T 27
W28	16 21 7	6°32'33	21°18	18°0	14°45	3°3	21°15	22°19	9°4	18°8	17°8	29°32	1°9	21°59	26°21	W28
T 29	16 25 4	7°30'12	6♌3	18°7	14°10	3°30	21°8	22°14	9°8	18°7	17°8	29°28	1°6	22°5	26°25	T 29
F 30	16 29 0	8°27'51	20°57	18°18	13°34	3°57	21°1	22°10	9°11	18°6	17°7	29°26	1°3	22°12	26°30	F 30
S 31	16 32 57	9♏25'28	5♏33	18♌34	12♏57	4♏24	20♏54	22♏6	9♏15	18♌5	17♏7	29°D26	1♏0	22♌19	26♌34	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n56	20s27	2n55	22n2	2n39	27n51	5n3	16n1	2n10	17s42	1n14	16s26	2n27	21n27	0s5	5s49
F 2	15 14 21	9 1 48	21 58	2 33	27 53	5 2	15 53	2 9	17 40	1 14	16 25	2 27	21 28	0 5	5 48	1 37
S 3	15 32 20	29 0 35	21 52	2 25	27 54	5 2	15 45	2 7	17 39	1 14	16 24	2 27	21 28	0 5	5 48	1 37
S 4	15 49 18	31 0s40	21 43	2 16	27 55	5 1	15 36	2 5	17 37	1 14	16 23	2 27	21 29	0 5	5 47	1 37
M 5	16 7 15	28 1 52	21 31	2 6	27 55	4 59	15 28	2 3	17 35	1 14	16 22	2 27	21 29	0 5	5 46	1 37
T 6	16 24 11	34 2 56	21 17	1 55	27 54	4 58	15 20	2 1	17 33	1 14	16 21	2 27	21 30	0 5	5 46	1 37
W 7	16 41 7	8 3 49	21 1	1 42	27 53	4 56	15 11	2 0	17 32	1 14	16 20	2 27	21 30	0 5	5 45	1 37
T 8	16 57 2	23 4 29	20 43	1 29	27 52	4 53	15 2	1 58	17 30	1 14	16 19	2 27	21 31	0 5	5 45	1 37
F 9	17 13 2n24	4 53 20	23	1 14	27 49	4 50	14 53	1 56	17 28	1 13	16 18	2 27	21 31	0 5	5 44	1 37
S 10	17 29 7	0 5 2	20 1	0 59	27 46	4 47	14 45	1 55	17 26	1 13	16 17	2 27	21 32	0 5	5 44	1 37
S 11	17 45 11	13 4 55	19 38	0 43	27 43	4 43	14 35	1 53	17 24	1 13	16 16	2 27	21 32	0 5	5 43	1 37
M12	18 0 14	52 4 33	19 14	0 26	27 39	4 39	14 26	1 51	17 22	1 13	16 14	2 27	21 33	0 5	5 43	1 37
T 13	18 15 17	48 3 59	18 48	0 9	27 34	4 34	14 17	1 50	17 21	1 13	16 13	2 27	21 34	0 5	5 42	1 37
W14	18 30 19	52 3 14	18 22	0s8	27 28	4 29	14 8	1 48	17 19	1 13	16 12	2 27	21 34	0 5	5 42	1 37
T 15	18 45 21	2 2 20	17 56	0 26	27 22	4 23	13 58	1 47	17 17	1 13	16 11	2 27	21 35	0 5	5 41	1 37
F 16	18 59 21	13 1 22	17 30	0 43	27 15	4 17	13 48	1 45	17 15	1 13	16 10	2 27	21 35	0 5	5 41	1 37
S 17	19 13 20	28 0 20	17 4	1 1	27 7	4 10	13 39	1 44	17 13	1 13	16 9	2 27	21 36	0 5	5 41	1 37
S 18	19 26 18	49 0n43	16 39	1 18	26 59	4 3	13 29	1 42	17 11	1 13	16 8	2 27	21 36	0 5	5 40	1 37
M19	19 39 16	21 1 45	16 15	1 34	26 49	3 55	13 19	1 41	17 10	1 13	16 7	2 27	21 37	0 5	5 40	1 37
T 20	19 52 13	9 2 43	15 52	1 50	26 39	3 46	13 9	1 39	17 8	1 13	16 6	2 27	21 37	0 5	5 39	1 37
W21	20 5 9	20 3 34	15 30	2 5	26 29	3 37	12 58	1 38	17 6	1 12	16 5	2 27	21 38	0 5	5 39	1 37
T 22	20 17 5	1 4 17	15 10	2 19	26 17	3 27	12 48	1 36	17 4	1 12	16 4	2 27	21 39	0 5	5 39	1 37
F 23	20 29 0	21 4 48	14 53	2 32	26 4	3 17	12 38	1 35	17 2	1 12	16 3	2 27	21 39	0 5	5 38	1 37
S 24	20 40 4s29	5 4 14	14 37	2 44	25 51	3 7	12 27	1 33	17 1	1 12	16 2	2 27	21 40	0 5	5 38	1 37
S 25	20 51 9	15 5 3	14 23	2 55	25 37	2 56	12 16	1 32	16 59	1 12	16 1	2 26	21 40	0 5	5 37	1 37
M26	21 2 13	39 4 44	14 12	3 5	25 22	2 44	12 6	1 30	16 57	1 12	16 0	2 26	21 41	0 5	5 37	1 37
T 27	21 12 17	20 4 5	14 2	3 14	25 6	2 32	11 55	1 29	16 55	1 12	15 59	2 26	21 41	0 5	5 37	1 37
W28	21 22 19	57 3 10	13 56	3 22	24 50	2 19	11 44	1 28	16 54	1 12	15 58	2 26	21 42	0 5	5 36	1 37
T 29	21 32 21	14 2 2	13 51	3 29	24 33	2 6	11 33	1 26	16 52	1 11	15 57	2 26	21 42	0 5	5 36	1 37
F 30	21 41 21	1 0 46	13 49	3 35	24 16	1 53	11 22	1 25	16 50	1 11	15 56	2 26	21 43	0 5	5 36	1 37
S 31	21n50	19s23	0s33	13n48	3s39	23n57	1n39	11n11	1n23	16s48	1n11	15s55	2n26	21n43	0s5	5s35

Julian Day Number = 2553567.5, Delta T = 262.83 sec
 Ecliptic obliquity = 23°24'06, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°38'40, Lahiri = 27°45'41

ASTRODIENST EPHEMERIS for the year 2279
geocentric

JUNE 2279

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 36 54	10 ¹¹ 23'05	19 ¹⁸ 56	18 ⁸ 55	12 ¹⁸ R19	4 ¹⁰ 52	20 ¹⁸ R47	22 ¹⁸ R 2	9 ¹¹ 18	18 ¹⁸ R 4	17 ¹⁸ R 7	29 ²⁸ 27	0 ⁰ 56	22 ²² 25	26 ²⁶ 38	S 1
M 2	16 40 50	11 ¹¹ 20'41	4 ¹⁸ 1	19 ¹⁸ 20	11 ¹¹ 42	5 ¹⁹	20 ¹⁸ M40	21 ¹⁸ M58	9 ²²	18 ¹⁸ 3	17 ¹⁸ 6	29 ²⁸ 28	0 ⁰ 53	22 ²² 32	26 ²⁶ 42	M 2
T 3	16 44 47	12 ¹¹ 18'15	17 ¹⁸ 49	19 ¹⁸ 49	11 ¹¹ 4	5 ⁴⁷	20 ¹⁸ 33	21 ¹⁸ 54	9 ²⁵	18 ¹⁸ 2	17 ¹⁸ 6	29 ²⁸ R28	0 ⁰ 50	22 ²² 39	26 ²⁶ 46	T 3
W 4	16 48 43	13 ¹¹ 15'49	1 ¹⁸ Y19	20 ¹⁸ 22	10 ¹⁸ 27	6 ¹⁶	20 ¹⁸ 27	21 ¹⁸ 50	9 ²⁹	18 ¹⁸ 1	17 ¹⁸ 6	29 ²⁸ 26	0 ⁰ 47	22 ²² 45	26 ²⁶ 51	W 4
T 5	16 52 40	14 ¹¹ 13'22	14 ¹⁸ 34	20 ¹⁸ 59	9 ¹⁸ 50	6 ⁴⁴	20 ¹⁸ 20	21 ¹⁸ 46	9 ³²	18 ¹⁸ 1	17 ¹⁸ 5	29 ²⁸ 23	0 ⁰ 44	22 ²² 52	26 ²⁶ 55	T 5
F 6	16 56 36	15 ¹¹ 10'55	27 ¹⁸ 34	21 ¹⁸ 40	9 ¹⁸ 13	7 ¹²	20 ¹⁸ 14	21 ¹⁸ 42	9 ³⁶	18 ¹⁸ 0	17 ¹⁸ 5	29 ²⁸ 17	0 ⁰ 40	22 ²² 59	26 ²⁶ 59	F 6
S 7	17 0 33	16 ¹¹ 8'26	10 ¹⁸ 821	22 ¹⁸ 25	8 ¹⁸ 38	7 ⁴¹	20 ¹⁸ 8	21 ¹⁸ 38	9 ³⁹	17 ¹⁸ 59	17 ¹⁸ 4	29 ²⁸ 11	0 ⁰ 37	23 ²³ 5	27 ²⁷ 3	S 7
S 8	17 4 29	17 ¹¹ 5'57	22 ¹⁸ 55	23 ¹⁸ 14	8 ¹⁸ 4	8 ¹⁰	20 ¹⁸ 2	21 ¹⁸ 34	9 ⁴³	17 ¹⁸ 59	17 ¹⁸ 4	29 ²⁸ 3	0 ⁰ 34	23 ²³ 12	27 ²⁷ 7	S 8
M 9	17 8 26	18 ¹¹ 3'26	5 ¹⁸ 117	24 ¹⁸ 7	7 ³¹	8 ³⁹	19 ¹⁸ 56	21 ¹⁸ 30	9 ⁴⁶	17 ¹⁸ 58	17 ¹⁸ 3	28 ²⁸ 56	0 ⁰ 31	23 ²³ 18	27 ²⁷ 11	M 9
T 10	17 12 23	19 ¹¹ 0'55	17 ¹⁸ 29	25 ¹⁸ 3	6 ⁵⁹	9 ⁸	19 ¹⁸ 50	21 ¹⁸ 26	9 ⁵⁰	17 ¹⁸ 57	17 ¹⁸ 3	28 ²⁸ 49	0 ⁰ 28	23 ²³ 25	27 ²⁷ 15	T 10
W11	17 16 19	19 ¹¹ 58'23	29 ¹⁸ 31	26 ¹⁸ 2	6 ²⁹	9 ³⁸	19 ¹⁸ 44	21 ¹⁸ 23	9 ⁵³	17 ¹⁸ 57	17 ¹⁸ 2	28 ²⁸ 44	0 ⁰ 25	23 ²³ 32	27 ²⁷ 19	W11
T 12	17 20 16	20 ¹¹ 55'50	11 ¹⁸ 26	27 ¹⁸ 5	6 ²	10 ⁸	19 ¹⁸ 38	21 ¹⁸ 19	9 ⁵⁷	17 ¹⁸ 56	17 ¹⁸ 1	28 ²⁸ 41	0 ⁰ 21	23 ²³ 38	27 ²⁷ 23	T 12
F 13	17 24 12	21 ¹¹ 53'17	23 ¹⁸ 15	28 ¹⁸ 11	5 ³⁶	10 ³⁷	19 ¹⁸ 33	21 ¹⁸ 15	10 ⁰ 0	17 ¹⁸ 56	17 ¹⁸ 1	28 ²⁸ D40	0 ⁰ 18	23 ²³ 45	27 ²⁷ 27	F 13
S 14	17 28 9	22 ¹¹ 50'42	5 ¹⁸ 2	29 ¹⁸ 20	5 ¹²	11 ⁷	19 ¹⁸ 27	21 ¹⁸ 12	10 ⁰ 4	17 ¹⁸ 55	17 ¹⁸ 0	28 ²⁸ 40	0 ⁰ 15	23 ²³ 52	27 ²⁷ 31	S 14
S 15	17 32 5	23 ¹¹ 48'06	16 ¹⁸ 49	0 ¹⁸ 33	4 ⁵⁰	11 ³⁸	19 ¹⁸ 22	21 ¹⁸ 9	10 ⁰ 7	17 ¹⁸ 55	16 ¹⁸ 59	28 ²⁸ 41	0 ⁰ 12	23 ²³ 58	27 ²⁷ 35	S 15
M16	17 36 2	24 ¹¹ 45'29	28 ¹⁸ 41	1 ¹⁸ 48	4 ³⁰	12 ⁸	19 ¹⁸ 17	21 ¹⁸ 5	10 ⁰ 11	17 ¹⁸ 54	16 ¹⁸ 59	28 ²⁸ 42	0 ⁰ 9	24 ²⁴ 5	27 ²⁷ 39	M16
T 17	17 39 59	25 ¹¹ 42'51	10 ¹⁸ 43	3 ¹⁸ 7	4 ¹³	12 ³⁸	19 ¹⁸ 12	21 ¹⁸ 2	10 ⁰ 14	17 ¹⁸ 54	16 ¹⁸ 58	28 ²⁸ 44	0 ⁰ 6	24 ²⁴ 12	27 ²⁷ 43	T 17
W18	17 43 55	26 ¹¹ 40'12	22 ¹⁸ 59	4 ²⁹	3 ⁵⁸	13 ⁹	19 ¹⁸ 7	20 ¹⁸ 59	10 ⁰ 17	17 ¹⁸ 53	16 ¹⁸ 57	28 ²⁸ R45	0 ⁰ 2	24 ²⁴ 18	27 ²⁷ 47	W18
T 19	17 47 52	27 ¹¹ 37'32	5 ¹⁸ 34	5 ⁵⁴	3 ⁴⁶	13 ⁴⁰	19 ¹⁸ 2	20 ¹⁸ 55	10 ⁰ 21	17 ¹⁸ 53	16 ¹⁸ 56	28 ²⁸ 45	29 ²⁹ 2959	24 ²⁴ 25	27 ²⁷ 51	T 19
F 20	17 51 48	28 ¹¹ 34'51	18 ¹⁸ 32	7 ²²	3 ³⁶	14 ¹¹	18 ¹⁸ 58	20 ¹⁸ 52	10 ⁰ 24	17 ¹⁸ 53	16 ¹⁸ 56	28 ²⁸ 43	29 ²⁹ 56	24 ²⁴ 32	27 ²⁷ 55	F 20
S 21	17 55 45	29 ¹¹ 32'09	1 ¹⁸ 56	8 ⁵³	3 ²⁸	14 ⁴²	18 ¹⁸ 53	20 ¹⁸ 49	10 ⁰ 28	17 ¹⁸ 53	16 ¹⁸ 55	28 ²⁸ 40	29 ²⁹ 53	24 ²⁴ 38	27 ²⁷ 59	S 21
S 22	17 59 41	0 ¹² 29'26	15 ¹⁸ 49	10 ²⁷	3 ²³	15 ¹³	18 ¹⁸ 49	20 ¹⁸ 46	10 ⁰ 31	17 ¹⁸ 52	16 ¹⁸ 54	28 ²⁸ 37	29 ²⁹ 50	24 ²⁴ 45	28 ²⁸ 3	S 22
M23	18 3 38	1 ¹² 26'43	0 ¹⁸ 8	12 ⁴	3 ²⁰	15 ⁴⁴	18 ¹⁸ 45	20 ¹⁸ 43	10 ⁰ 34	17 ¹⁸ 52	16 ¹⁸ 53	28 ²⁸ 33	29 ²⁹ 46	24 ²⁴ 52	28 ²⁸ 6	M23
T 24	18 7 34	2 ¹² 23'59	14 ¹⁸ 50	13 ⁴⁴	3 ¹⁸ D19	16 ¹⁶	18 ¹⁸ 41	20 ¹⁸ 41	10 ⁰ 38	17 ¹⁸ 52	16 ¹⁸ 52	28 ²⁸ 29	29 ²⁹ 43	24 ²⁴ 58	28 ²⁸ 10	T 24
W25	18 11 31	3 ¹² 21'15	29 ¹⁸ 49	15 ²⁶	3 ²¹	16 ⁴⁸	18 ¹⁸ 38	20 ¹⁸ 38	10 ⁰ 41	17 ¹⁸ 52	16 ¹⁸ 51	28 ²⁸ 27	29 ²⁹ 40	25 ²⁵ 5	28 ²⁸ 14	W25
T 26	18 15 28	4 ¹² 18'30	14 ¹⁸ 56	17 ¹²	3 ²⁵	17 ¹⁹	18 ¹⁸ 34	20 ¹⁸ 35	10 ⁰ 44	17 ¹⁸ 52	16 ¹⁸ 50	28 ²⁸ 25	29 ²⁹ 37	25 ²⁵ 11	28 ²⁸ 17	T 26
F 27	18 19 24	5 ¹² 15'44	0 ¹⁸ 2	19 ⁰	3 ³¹	17 ⁵¹	18 ¹⁸ 31	20 ¹⁸ 33	10 ⁰ 47	17 ¹⁸ 52	16 ¹⁸ 49	28 ²⁸ D25	29 ²⁹ 34	25 ²⁵ 18	28 ²⁸ 21	F 27
S 28	18 23 21	6 ¹² 12'58	14 ¹⁸ 58	20 ⁵¹	3 ³⁹	18 ²³	18 ¹⁸ 27	20 ¹⁸ 30	10 ⁰ 51	17 ¹⁸ 51	16 ¹⁸ 49	28 ²⁸ 25	29 ²⁹ 31	25 ²⁵ 25	28 ²⁸ 25	S 28
S 29	18 27 17	7 ¹² 10'12	29 ¹⁸ 38	22 ⁴⁵	3 ⁵⁰	18 ⁵⁶	18 ¹⁸ 24	20 ¹⁸ 28	10 ⁰ 54	17 ¹⁸ D51	16 ¹⁸ 48	28 ²⁸ 26	29 ²⁹ 27	25 ²⁵ 31	28 ²⁸ 28	S 29
M30	18 31 14	8 ¹² 7'26	13 ¹⁸ 56	24 ¹⁸ 41	4 ¹¹ 3	19 ¹⁸ 28	18 ¹⁸ M21	20 ¹⁸ M26	10 ⁰ 57	17 ¹⁸ 51	16 ¹⁸ 47	28 ²⁸ 28	29 ²⁹ 24	25 ²⁵ 38	28 ²⁸ 32	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21n58	16s32	1s48	13n50	3s43	23n39	1n25	10n59	1n22	16s47	1n11	15s54	2n26	21n44	0s 5	5s35	1n37	21s54	6s32	20n14	19n55	20n47	16n25	3s 2					
M 2	22 6	12 45	2 56	13 55	3 46	23 20	1 11	10 48	1 21	16 45	1 11	15 53	2 26	21 45	0 5	5 35	1 37	21 55	6 33	20 14	19 56	20 47	16 26	3 2					
T 3	22 14	8 22	3 51	14 1	3 47	23 1	0 57	10 36	1 20	16 44	1 11	15 52	2 25	21 45	0 5	5 35	1 37	21 55	6 33	20 14	19 56	20 47	16 27	3 2					
W 4	22 21	3 39	4 33	14 9	3 48	22 41	0 43	10 25	1 18	16 42	1 10	15 51	2 25	21 46	0 5	5 34	1 37	21 55	6 33	20 14	19 57	20 46	16 28	3 3					
T 5	22 28	1n 8	4 59	14 18	3 48	22 22	0 29	10 13	1 17	16 40	1 10	15 50	2 25	21 46	0 5	5 34	1 36	21 56	6 33	20 15	19 58	20 46	16 28	3 3					
F 6	22 35	5 47	5 9	14 30	3 47	22 2	0 14	10 1	1 16	16 39	1 10	15 49	2 25	21 47	0 5	5 34	1 36	21 56	6 34	20 16	19 58	20 46	16 29	3 3					
S 7	22 41	10 6	5 3	14 43	3 45	21 43	0 0	9 49	1 14	16 37	1 10	15 49	2 25	21 47	0 5	5 34	1 36	21 56	6 34	20 17	19 59	20 46	16 30	3 3					
S 8	22 47	13 54	4 43	14 58	3 42	21 24	0s14	9 37	1 13	16 36	1 10	15 48	2 25	21 48	0 5	5 33	1 36	21 57	6 34	20 19	20 0	20 46	16 31	3 3					
M 9	22 52	17 3	4 10	15 14	3 39	21 5	0 27	9 25	1 12	16 35	1 10	15 47	2 25	21 48	0 5	5 33	1 36	21 57	6 34	20 20	20 1	20 45	16 31	3 3					
T 10	22 57	19 25	3 25	15 31	3 35	20 46	0 41	9 13	1 11	16 33	1 9	15 46	2 24	21 49	0 5	5 33	1 36	21 58	6 35	20 22	20 1	20 45	16 32	3 3					
W11	23 1	20 52	2 32	15 50	3 30	20 28	0 54	9 1	1 9	16 32	1 9	15 45	2 24	21 49	0 5	5 33	1 36	21 58	6 35	20 23	20 2	20 45	16 33	3 4					
T 12	23 6	21 22	1 33	16 10	3 24	20 10	1 7	8 49	1 8	16 31	1 9	15 45	2 24	21 50	0 5	5 33	1 36	21 58	6 35	20 23	20 3	20 45	16 34	3 4					
F 13	23 9	20 55	0 29	16 30	3 18	19 54	1 20	8 36	1 7	16 29	1 9	15 44	2 24	21 50	0 5	5 32	1 36	21 59	6 35	20 24	20 3	20 44	16 34	3 4					
S 14	23 13	19 33	0n35	16 52	3 11	19 37	1 32	8 24	1 6	16 28	1 9	15 43	2 24	21 51	0 5	5 32	1 36	21 59	6 35	20 24	20 4	20 44	16 35	3 4					
S 15	23 15	17 19	1 38	17 14	3 4	19 22	1 44	8 11	1 5	16 27	1 8	15 42	2 24	21 51	0 5	5 32	1 36	22 0	6 36	20 24	20 5	20 44	16 36	3 4					
M16	23 18	14 22	2 37	17 37	2 56	19 7	1 55	7 59	1 3	16 26	1 8	15 42	2 23	21 52	0 5	5 32	1 36	22 0	6 36	20 23	20 5	20 43	16 37	3 4					
T 17	23 20	10 47	3 30	18 0	2 47	18 53	2 6	7 46	1 2	16 24	1 8	15 41	2 23	21 52	0 5	5 32	1 36	22 1	6 36	20 23	20 6	20 43	16 37	3 5					
W18	23 22	6 41	4 15	18 24	2 39	18 40	2 17	7 33	1 1	16 23	1 8	15 40	2 23	21 53	0 5	5 32	1 36	22 1	6 36	20 23	20 7	20 43	16 38	3 5					
T 19	23 23	2 13	4 49	18 48	2 29	18 28	2 27	7 20	1 0	16 22	1 7	15 40	2 23	21 53	0 5	5 32	1 36	22 1	6 37	20 23	20 7	20 43	16 39	3 5					
F 20	23 24	2s29	5 9	19 13	2 19	18 17	2 36	7 7	0 59	16 21	1 7	15 39	2 23	21 54	0 5	5 32	1 36	22 2	6 37	20 23	20 8	20 42	16 39	3 5					
S 21	23 24	7 13	5 13	19 37	2 9	18 7	2 45	6 54	0 58	16 20	1 7	15 38	2 22	21 54	0 5	5 32	1 36	22 2	6 37	20 24	20 9	20 42	16 40	3 5					
S 22	23 24	11 45	5 0	20 1	1 59	17 57	2 54	6 41	0 57	16 19	1 7	15 38	2 22	21 55	0 5	5 32	1 36	22 3	6 37	20 24	20 9	20 42	16 41	3 5					
M23	23 24	15 47	4 28	20 25	1 48	17 49	3 2	6 28	0 55	16 19	1 7	15 37	2 22	21 55	0 5	5 31	1 36	22 3	6 37	20 25	20 10	20 41	16 41	3 6					
T 24	23 23	18 57	3 37	20 49	1 37	17 41	3 9	6 15	0 54	16 18	1 6	15 37	2 22	21 56	0 5	5 31	1 36	22 4	6 38	20 26	20 11	20 41	16 42	3 6					
W25	23 22	20 53	2 31	21 11	1 25	17 34	3 17	6 1	0 53	16 17	1 6	15 36	2 22	21 56	0 5	5 31	1 36	22 4	6 38	20 26	20 11	20 41	16 43	3 6					
T 26	23 20	21 21	1 14	21 34	1 14	17 29	3 23	5 48	0 52	16 16	1 6	15 36	2 21	21 57	0 4	5 31	1 36	22 5	6 38	20 27	20 12	20 40	16 43	3 6					
F 27	23 18	20 15	0s 9	21 55	1 2	17 24	3 30	5 35	0 51	16 15	1 6	15 35	2 21	21 57	0 4	5 31	1 35	22 5	6 38	20 27	20 13	20 40	16 44	3 6					
S 28	23 15	17 45	1 30	22 15	0 51	17 19	3 35	5 21	0 50	16 15	1 5	15 35	2 21	21 58	0 4	5 31	1 35	22 6	6 38	20 27	20 13	20 40	16 44	3 7					
S 29	23 12	14 9	2 44	22 33	0 39	17 16	3 41	5 8	0 49	16 14	1 5	15 34	2 21	21 58	0 4	5 32	1 35	22 6	6 39	20 26	20 14	20 39	16 45	3 7					
M30	23n 9	9s47	3s46	22n50	0s27	17n13	3s46	4n54	0n48	16s14	1n 5	15s34	2n21	21n59	0s 4	5s32	1n35	22s 7	6s39	20n26	20n15	20n39	16n46	3s 7					

ASTRODIENST EPHEMERIS for the year 2279

geocentric

JULY 2279

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 10	9 ⁵⁵ 4'40	27 ¹¹ 52	26 ¹¹ 40	4 ¹¹ 17	20 ¹¹ 0	18 ¹⁸ 19	20 ¹⁸ 23	11 ¹¹ 0	17 ¹¹ 51	16 ¹⁸ 46	28 ²⁸ 29	29 ²⁸ 21	25 ²⁵ 45	28 ²⁸ 35	T 1
W 2	18 39 7	10 ⁵ 1'54	11 ¹¹ 24	28 ⁴ 41	4 ⁴ 34	20 ²⁰ 33	18 ¹⁸ 16	20 ¹⁸ 21	11 ¹¹ 4	17 ¹⁷ 52	16 ¹⁶ 45	28 ²⁸ 29	29 ²⁹ 18	25 ²⁵ 51	28 ²⁸ 39	W 2
T 3	18 43 3	10 ⁵ 59'07	24 ³ 35	0 ⁰ 44	4 ⁴ 52	21 ²¹ 6	18 ¹⁸ 14	20 ¹⁸ 19	11 ¹¹ 7	17 ¹⁷ 52	16 ¹⁶ 43	28 ²⁸ 28	29 ²⁹ 15	25 ²⁵ 58	28 ²⁸ 42	T 3
F 4	18 47 0	11 ⁵ 56'21	7 ⁷ 26	2 ² 48	5 ⁵ 13	21 ²¹ 38	18 ¹⁸ 12	20 ¹⁸ 17	11 ¹¹ 10	17 ¹⁷ 52	16 ¹⁶ 42	28 ²⁸ 27	29 ²⁹ 12	26 ²⁶ 5	28 ²⁸ 46	F 4
S 5	18 50 57	12 ⁵ 53'35	20 ²⁰ 0	4 ⁴ 55	5 ⁵ 35	22 ²² 11	18 ¹⁸ 10	20 ¹⁸ 15	11 ¹¹ 13	17 ¹⁷ 52	16 ¹⁶ 41	28 ²⁸ 25	29 ²⁹ 8	26 ²⁶ 11	28 ²⁸ 49	S 5
S 6	18 54 53	13 ⁵ 50'49	2 ² 20	7 ⁷ 3	5 ⁵ 59	22 ²² 45	18 ¹⁸ 8	20 ¹⁸ 14	11 ¹¹ 16	17 ¹⁷ 52	16 ¹⁶ 40	28 ²⁸ 23	29 ²⁹ 5	26 ²⁶ 18	28 ²⁸ 53	S 6
M 7	18 58 50	14 ⁵ 48'04	14 ¹⁴ 29	9 ⁹ 11	6 ⁶ 24	23 ²³ 18	18 ¹⁸ 6	20 ¹⁸ 12	11 ¹¹ 19	17 ¹⁷ 52	16 ¹⁶ 39	28 ²⁸ 21	29 ²⁹ 2	26 ²⁶ 25	28 ²⁸ 56	M 7
T 8	19 2 46	15 ⁵ 45'18	26 ²⁶ 29	11 ¹¹ 21	6 ⁶ 51	23 ²³ 51	18 ¹⁸ 5	20 ¹⁸ 10	11 ¹¹ 22	17 ¹⁷ 53	16 ¹⁶ 38	28 ²⁸ 20	29 ²⁹ 59	26 ²⁶ 31	28 ²⁸ 59	T 8
W 9	19 6 43	16 ⁵ 42'32	8 ⁸ 23	13 ¹³ 31	7 ⁷ 20	24 ²⁴ 25	18 ¹⁸ 3	20 ¹⁸ 9	11 ¹¹ 25	17 ¹⁷ 53	16 ¹⁶ 37	28 ²⁸ 18	29 ²⁹ 56	26 ²⁶ 38	29 ²⁹ 2	W 9
T 10	19 10 39	17 ⁵ 39'46	20 ²⁰ 12	15 ¹⁵ 42	7 ⁷ 50	24 ²⁴ 58	18 ¹⁸ 2	20 ¹⁸ 7	11 ¹¹ 28	17 ¹⁷ 53	16 ¹⁶ 36	28 ²⁸ 18	29 ²⁹ 52	26 ²⁶ 44	29 ²⁹ 6	T 10
F 11	19 14 36	18 ⁵ 37'00	1 ¹ 59	17 ¹⁷ 52	8 ⁸ 21	25 ²⁵ 32	18 ¹⁸ 1	20 ¹⁸ 6	11 ¹¹ 31	17 ¹⁷ 54	16 ¹⁶ 35	28 ²⁸ 18	29 ²⁹ 49	26 ²⁶ 51	29 ²⁹ 9	F 11
S 12	19 18 32	19 ⁵ 34'15	13 ¹³ 46	20 ²⁰ 2	8 ⁸ 54	26 ²⁶ 6	18 ¹⁸ 1	20 ¹⁸ 5	11 ¹¹ 34	17 ¹⁷ 54	16 ¹⁶ 33	28 ²⁸ 18	29 ²⁹ 46	26 ²⁶ 58	29 ²⁹ 12	S 12
S 13	19 22 29	20 ⁵ 31'29	25 ²⁵ 36	22 ²² 12	9 ⁹ 28	26 ²⁶ 40	18 ¹⁸ 0	20 ¹⁸ 4	11 ¹¹ 37	17 ¹⁷ 54	16 ¹⁶ 32	28 ²⁸ 19	29 ²⁹ 43	27 ²⁷ 4	29 ²⁹ 15	S 13
M14	19 26 26	21 ⁵ 28'43	7 ⁷ 13	24 ²⁴ 21	10 ¹⁰ 3	27 ²⁷ 14	18 ¹⁸ 0	20 ¹⁸ 3	11 ¹¹ 40	17 ¹⁷ 55	16 ¹⁶ 31	28 ²⁸ 19	29 ²⁹ 40	27 ²⁷ 11	29 ²⁹ 18	M14
T 15	19 30 22	22 ⁵ 25'56	19 ¹⁹ 37	26 ²⁶ 28	10 ¹⁰ 40	27 ²⁷ 48	18 ¹⁸ 0	20 ¹⁸ 2	11 ¹¹ 43	17 ¹⁷ 55	16 ¹⁶ 30	28 ²⁸ 20	29 ²⁹ 37	27 ²⁷ 18	29 ²⁹ 21	T 15
W16	19 34 19	23 ⁵ 23'10	1 ¹ 55	28 ²⁸ 35	11 ¹¹ 17	28 ²⁸ 22	17 ¹⁷ 0D59	20 ²⁰ 1	11 ¹¹ 46	17 ¹⁷ 56	16 ¹⁶ 29	28 ²⁸ 20	29 ²⁹ 33	27 ²⁷ 24	29 ²⁹ 24	W16
T 17	19 38 15	24 ⁵ 20'24	14 ¹⁴ 29	0 ⁰ 40	11 ¹¹ 56	28 ²⁸ 57	18 ¹⁸ 0	20 ¹⁸ 0	11 ¹¹ 49	17 ¹⁷ 56	16 ¹⁶ 27	28 ²⁸ 21	29 ²⁹ 30	27 ²⁷ 31	29 ²⁹ 27	T 17
F 18	19 42 12	25 ⁵ 17'38	27 ²⁷ 24	2 ² 44	12 ¹² 36	29 ²⁹ 31	18 ¹⁸ 0	19 ¹⁹ 59	11 ¹¹ 51	17 ¹⁷ 57	16 ¹⁶ 26	28 ²⁸ 21	29 ²⁹ 27	27 ²⁷ 38	29 ²⁹ 30	F 18
S 19	19 46 8	26 ⁵ 14'51	10 ¹⁰ 43	4 ⁴ 46	13 ¹³ 17	0 ⁰ 6	18 ¹⁸ 1	19 ¹⁹ 59	11 ¹¹ 54	17 ¹⁷ 58	16 ¹⁶ 25	28 ²⁸ 21	29 ²⁹ 24	27 ²⁷ 44	29 ²⁹ 32	S 19
S 20	19 50 5	27 ⁵ 12'05	24 ²⁴ 27	6 ⁶ 47	13 ¹³ 59	0 ⁰ 40	18 ¹⁸ 1	19 ¹⁹ 58	11 ¹¹ 57	17 ¹⁷ 58	16 ¹⁶ 24	28 ²⁸ 21	29 ²⁹ 21	27 ²⁷ 51	29 ²⁹ 35	S 20
M21	19 54 1	28 ⁵ 9'19	8 ⁸ 38	8 ⁸ 46	14 ¹⁴ 42	1 ¹ 15	18 ¹⁸ 2	19 ¹⁹ 58	12 ¹² 0	17 ¹⁷ 59	16 ¹⁶ 22	28 ²⁸ 20	29 ²⁹ 18	27 ²⁷ 58	29 ²⁹ 38	M21
T 22	19 57 58	29 ⁵ 6'33	23 ²³ 13	10 ¹⁰ 43	15 ¹⁵ 25	1 ¹ 50	18 ¹⁸ 3	19 ¹⁹ 58	12 ¹² 2	18 ¹⁸ 0	16 ¹⁶ 21	28 ²⁸ 21	29 ²⁹ 14	28 ²⁸ 4	29 ²⁹ 41	T 22
W23	20 1 55	0 ⁰ 3'47	8 ⁸ 3	12 ¹² 38	16 ¹⁶ 10	2 ² 25	18 ¹⁸ 4	19 ¹⁹ 58	12 ¹² 5	18 ¹⁸ 0	16 ¹⁶ 20	28 ²⁸ 21	29 ²⁹ 11	28 ²⁸ 11	29 ²⁹ 43	W23
T 24	20 5 51	1 ¹ 1'02	23 ²³ 16	14 ¹⁴ 32	16 ¹⁶ 56	3 ³ 0	18 ¹⁸ 6	19 ¹⁹ 57	12 ¹² 7	18 ¹⁸ 1	16 ¹⁶ 18	28 ²⁸ 21	29 ²⁹ 8	28 ²⁸ 18	29 ²⁹ 46	T 24
F 25	20 9 48	1 ¹ 58'17	8 ⁸ 28	16 ¹⁶ 24	17 ¹⁷ 42	3 ³ 35	18 ¹⁸ 7	19 ¹⁹ 57	12 ¹² 10	18 ¹⁸ 2	16 ¹⁶ 17	28 ²⁸ 21	29 ²⁹ 5	28 ²⁸ 24	29 ²⁹ 48	F 25
S 26	20 13 44	2 ² 55'32	23 ²³ 35	18 ¹⁸ 14	18 ¹⁸ 29	4 ⁴ 11	18 ¹⁸ 9	19 ¹⁹ 58	12 ¹² 12	18 ¹⁸ 3	16 ¹⁶ 16	28 ²⁸ 20	29 ²⁹ 2	28 ²⁸ 31	29 ²⁹ 51	S 26
S 27	20 17 41	3 ³ 52'48	8 ⁸ 28	20 ²⁰ 2	19 ¹⁹ 17	4 ⁴ 46	18 ¹⁸ 11	19 ¹⁹ 58	12 ¹² 15	18 ¹⁸ 4	16 ¹⁶ 14	28 ²⁸ 20	29 ²⁹ 58	28 ²⁸ 37	29 ²⁹ 53	S 27
M28	20 21 37	4 ⁴ 50'04	23 ²³ 0	21 ²¹ 49	20 ²⁰ 6	5 ⁵ 22	18 ¹⁸ 13	19 ¹⁹ 58	12 ¹² 17	18 ¹⁸ 5	16 ¹⁶ 13	28 ²⁸ 19	29 ²⁹ 55	28 ²⁸ 44	29 ²⁹ 56	M28
T 29	20 25 34	5 ⁵ 47'22	7 ⁷ 7	23 ²³ 34	20 ²⁰ 56	5 ⁵ 57	18 ¹⁸ 16	19 ¹⁹ 58	12 ¹² 20	18 ¹⁸ 6	16 ¹⁶ 12	28 ²⁸ 19	29 ²⁹ 52	28 ²⁸ 51	29 ²⁹ 58	T 29
W30	20 29 30	6 ⁶ 44'40	20 ²⁰ 7	25 ²⁵ 16	21 ²¹ 46	6 ⁶ 33	18 ¹⁸ 18	19 ¹⁹ 59	12 ¹² 22	18 ¹⁸ 6	16 ¹⁶ 10	28 ²⁸ 18	29 ²⁹ 49	28 ²⁸ 57	0 ⁰ 11	W30
T 31	20 33 27	7 ⁷ 41'59	4 ⁴ 8	26 ²⁶ 58	22 ²² 37	7 ⁷ 9	18 ¹⁸ 21	20 ²⁰ 11	12 ¹² 25	18 ¹⁸ 7	16 ¹⁶ 9	28 ²⁸ 18	29 ²⁹ 46	29 ²⁹ 54	0 ⁰ 11	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
T 1	23n 5	5s 1	4s32	23n 6	0s16	17n11	3s51	4n40	0n47	16s13	1n 5	15s34	2n20	21n59	0s 4	5s32	1n35	22s 7	6s39	20n26	20n15	20n39	16n46	3s 7					
W 2	23 1	0 8	5 2	23 19	0 4	17 10	3 55	4 27	0 46	16 13	1 4	15 33	2 20	22 0	0 4	5 32	1 35	22 8	6 39	20 26	20 16	20 38	16 47	3 7					
T 3	22 57	4n37	5 15	23 31	0n 7	17 10	3 59	4 13	0 45	16 12	1 4	15 33	2 20	22 0	0 4	5 32	1 35	22 8	6 39	20 26	20 17	20 38	16 47	3 8					
F 4	22 52	9 3	5 12	23 40	0 18	17 10	4 2	3 59	0 44	16 12	1 4	15 33	2 20	22 0	0 4	5 32	1 35	22 9	6 40	20 26	20 17	20 37	16 48	3 8					
S 5	22 47	12 59	4 54	23 47	0 28	17 11	4 5	3 45	0 43	16 12	1 4	15 33	2 19	22 1	0 4	5 32	1 35	22 9	6 40	20 27	20 18	20 37	16 48	3 8					
S 6	22 41	16 18	4 23	23 51	0 38	17 12	4 8	3 31	0 42	16 11	1 3	15 32	2 19	22 1	0 4	5 32	1 35	22 10	6 40	20 27	20 19	20 37	16 49	3 8					
M 7	22 35	18 52	3 40	23 53	0 48	17 14	4 11	3 17	0 41	16 11	1 3	15 32	2 19	22 2	0 4	5 32	1 35	22 10	6 40	20 27	20 19	20 36	16 49	3 9					
T 8	22 28	20 34	2 47	23 52	0 57	17 16	4 13	3 3	0 40	16 11	1 3	15 32	2 19	22 2	0 4	5 32	1 35	22 11	6 40	20 28	20 20	20 36	16 50	3 9					
W 9	22 22	21 20	1 48	23 48	1 5	17 19	4 15	2 49	0 39	16 11	1 3	15 32	2 18	22 3	0 4	5 33	1 35	22 11	6 40	20 28	20 21	20 36	16 50	3 9					
T 10	22 14	21 9	0 45	23 41	1 13	17 22	4 16	2 34	0 38	16 11	1 2	15 32	2 18	22 3	0 4	5 33	1 35	22 12	6 41	20 28	20 21	20 35	16 51	3 9					
F 11	22 7	20 1	0n20	23 32	1 20	17 25	4 18	2 20	0 37	16 11	1 2	15 31	2 18	22 3	0 4	5 33	1 35	22 12	6 41	20 28	20 22	20 35	16 51	3 9					
S 12	21 59	18 1	1 25	23 20	1 26	17 29	4 19	2 6	0 36	16 11	1 2	15 31	2 18	22 4	0 4	5 33	1 35	22 13	6 41	20 28	20 22	20 34	16 52	3 10					
S 13	21 50	15 15	2 26	23 5	1 32	17 33	4 19	1 52	0 35	16 11	1 2	15 31	2 17	22 4	0 4	5 33	1 35	22 13	6 41	20 28	20 23	20 34	16 52	3 10					
M14	21 41	11 51	3 21	22 48	1 36	17 38	4 20	1 37	0 34	16 11	1 1	15 31	2 17	22 5	0 4	5 33	1 35	22 14	6 41	20 28	20 24	20 34	16 52	3 10					
T 15	21 32	7 55	4 8	22 28	1 40	17 43	4 20	1 23	0 33	16 11	1 1	15 31	2 17	22 5	0 4	5 34	1 35	22 14	6 41	20 28	20 24	20 33	16 53	3 10					
W16	21 23	3 36	4 45	22 6	1 44	17 48	4 20	1 8	0 32	16 11	1 1	15 31	2 17	22 5	0 4	5 34	1 35	22 15	6 41	20 28	20 25	20 33	16 53	3 11					
T 17	21 13	0s57	5 9	21 42	1 46	17 53	4 20	0 54	0 31	16 12	1 1	15 31	2 16	22 6	0 4	5 34	1 35	22 15	6 42	20 28	20 26	20 32	16 54	3 11					
F 18	21 3	5 35	5 18	21 16	1 48	17 58	4 20	0 39	0 30	16 12	1 0	15 31	2 16	22 6	0 4	5 34	1 34	22 16	6 42	20 28	20 26	20 32	16 54	3 11					
S 19	20 52	10 5	5 11	20 48	1 49	18 4	4 19	0 25	0 29	16 13	1 0	15 31	2 16	22 7	0 4	5 35	1 34	22 16	6 42	20 28	20 27	20 31	16 54	3 11					
S 20	20 41	14 14	4 46	20 19	1 49	18 10	4 19	0 10	0 28	16 13	1 0	15 32	2 16	22 7	0 4	5 35	1 34	22 17	6 42	20 28	20 28	20 31	16 55	3 12					
M21	20 30	17 43	4 3	19 47	1 49	18 15	4 18	0s 5	0 27	16 13	1 0	15 32	2 15	22 7	0 4	5 35	1 34	22 17	6 42	20 28	20 28	20 30	16 55	3 12					
T 22	20 18	20 11	3 3	19 15	1 48	18 21	4 17	0 19	0 26	16 14	0 59	15 32	2 15	22 8	0 4	5 36	1 34	22 18	6 42	20 28	20 29	20 30	16 55	3 12					
W23	20 6	21 19	1 50	18 41	1 46	18 27	4 15	0 34	0 25	16 15	0 59	15 32	2 15	22 8	0 4	5 36	1 34	22 18	6 42	20 28	20 30	20 30	16 55	3 12					
T24	19 54	20 56	0 28	18 6	1 44	18 33	4 14	0 49	0 25	16 15	0 59	15 32	2 15	22 8	0 4	5 36	1 34	22 18	6 43	20 28	20 30	20 29	16 56	3 13					
F 25	19 41	19 1	0s56	17 30	1 41	18 39	4 12	1 4	0 24	16 16	0 58	15 33	2 14	22 9	0 4	5 37	1 34	22 19	6 43	20 28	20 31	20 29	16 56	3 13					
S 26	19 28	15 46	2 16	16 53	1 38	18 45	4 10	1 19	0 23	16 17	0 58	15 33	2 14	22 9	0 4	5 37	1 34	22 20	6 43	20 28	20 31	20 28	16 56	3 13					
S 27	19 15	11 33	3 25	16 16	1 34	18 51	4 8	1 33	0 22	16 17	0 58	15 33	2 14	22 9	0 4	5 37	1 34	22 21	6 43	20 28	20 32	20 28	16 57	3 14					
M28	19 2	6 45	4 19	15 37	1 29	18 56	4 6	1 48	0 21	16 18	0 58	15 34	2 14	22 10	0 4	5 38	1 34	22 21	6 43	20 28	20 33	20 27	16 57	3 14					
T 29	18 48	1 43	4 56	14 58	1 24	19 2	4 4	2 3	0 20	16 19	0 57	15 34	2 13	22 10	0 4	5 38	1 34	22 22	6 43	20 28	20 33	20 27	16 57	3 14					
W30	18 33	3n14	5 15	14 19	1 19	19 7	4 2	2 18	0 19	16 20	0 57	15 34	2 13	22 10	0 4	5 39	1 34	22 22	6 43	20 28	20 34	20 26	16 57	3 14					
T 31	18n19	7n52	5s16	13n39	1n13	19n13	3s59	2s33	0n18	16s21	0n57	15s35	2n13	22n11	0s 4	5s39	1n34	22s23	6s43	20n28	20n35	20n26	16n57	3s15					

ASTRODIENST EPHEMERIS for the year 2279

geocentric

AUGUST 2279

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 37 24	8♌39°19	16♋50	28♏37	23♏28	7♏45	18♏24	20♏0	12♏27	18♏8	16♏R 8	28♏18	27♏43	29♏11	0♏5	F 1
S 2	20 41 20	9°36'41	29°20	0♏15	24°20	8°21	18°27	20°1	12°29	18°9	16°6	28°18	27°39	29°17	0°7	S 2
S 3	20 45 17	10°34'03	11♏33	1°51	25°13	8°57	18°30	20°2	12°31	18°11	16°5	28°19	27°36	29°24	0°9	S 3
M 4	20 49 13	11°31'26	23°34	3°25	26°6	9°33	18°33	20°3	12°34	18°12	16°4	28°20	27°33	29°31	0°11	M 4
T 5	20 53 10	12°28'50	5♏27	4°57	27°0	10°9	18°37	20°4	12°36	18°13	16°2	28°22	27°30	29°37	0°13	T 5
W 6	20 57 6	13°26'15	17°15	6°28	27°55	10°46	18°40	20°5	12°38	18°14	16°1	28°23	27°27	29°44	0°15	W 6
T 7	21 1 3	14°23'41	29°2	7°56	28°50	11°22	18°44	20°7	12°40	18°15	16°0	28°R23	27°23	29°51	0°17	T 7
F 8	21 4 59	15°21'08	10♏49	9°23	29°45	11°59	18°48	20°8	12°42	18°16	15°58	28°22	27°20	29°57	0°18	F 8
S 9	21 8 56	16°18'36	22°41	10°48	0♏41	12°35	18°52	20°9	12°44	18°18	15°57	28°21	27°17	0♏4	0°20	S 9
S 10	21 12 53	17°16'05	4♏38	12°12	1°37	13°12	18°57	20°11	12°46	18°19	15°55	28°19	27°14	0°10	0°22	S 10
M 11	21 16 49	18°13'35	16°42	13°33	2°34	13°49	19°1	20°13	12°48	18°20	15°54	28°16	27°11	0°17	0°23	M 11
T 12	21 20 46	19°11'05	28°57	14°53	3°31	14°26	19°6	20°14	12°50	18°21	15°53	28°13	27°8	0°24	0°25	T 12
W 13	21 24 42	20°8'36	11♏23	16°10	4°29	15°3	19°11	20°16	12°51	18°23	15°51	28°10	27°4	0°30	0°26	W 13
T 14	21 28 39	21°6'08	24°3	17°26	5°27	15°40	19°16	20°18	12°53	18°24	15°50	28°7	27°1	0°37	0°28	T 14
F 15	21 32 35	22°3'41	7♏0	18°39	6°26	16°17	19°21	20°20	12°55	18°26	15°49	28°5	26°58	0°44	0°29	F 15
S 16	21 36 32	23°1'15	20°16	19°50	7°25	16°55	19°26	20°22	12°57	18°27	15°47	28°D 4	26°55	0°50	0°31	S 16
S 17	21 40 28	23°58'50	3♏52	20°59	8°24	17°32	19°31	20°25	12°58	18°28	15°46	28°5	26°52	0°57	0°32	S 17
M 18	21 44 25	24°56'26	17°50	22°6	9°24	18°9	19°37	20°27	13°0	18°30	15°45	28°6	26°49	1°4	0°33	M 18
T 19	21 48 22	25°54'02	2♏10	23°11	10°24	18°47	19°43	20°29	13°1	18°31	15°43	28°7	26°45	1°10	0°34	T 19
W 20	21 52 18	26°51'40	16°50	24°12	11°24	19°25	19°49	20°32	13°3	18°33	15°42	28°8	26°42	1°17	0°35	W 20
T 21	21 56 15	27°49'18	1♏45	25°12	12°25	20°2	19°55	20°34	13°4	18°34	15°40	28°R 9	26°39	1°24	0°36	T 21
F 22	22 0 11	28°46'58	16°48	26°8	13°26	20°40	20°1	20°37	13°6	18°36	15°39	28°7	26°36	1°30	0°37	F 22
S 23	22 4 8	29°44'38	1♏51	27°2	14°27	21°18	20°7	20°40	13°7	18°38	15°38	28°5	26°33	1°37	0°38	S 23
S 24	22 8 4	0♏42'20	16°46	27°52	15°29	21°56	20°14	20°43	13°9	18°39	15°37	28°1	26°29	1°43	0°39	S 24
M 25	22 12 1	1°40'04	1♏23	28°39	16°31	22°34	20°20	20°46	13°10	18°41	15°35	27°56	26°26	1°50	0°40	M 25
T 26	22 15 57	2°37'49	15°37	29°23	17°33	23°12	20°27	20°49	13°11	18°42	15°34	27°51	26°23	1°57	0°40	T 26
W 27	22 19 54	3°35'35	29°23	0♏3	18°36	23°51	20°34	20°52	13°12	18°44	15°33	27°47	26°20	2°3	0°41	W 27
T 28	22 23 51	4°33'23	12♏42	0°40	19°39	24°29	20°41	20°55	13°13	18°46	15°31	27°43	26°17	2°10	0°42	T 28
F 29	22 27 47	5°31'13	25°35	1°12	20°42	25°7	20°48	20°58	13°14	18°48	15°30	27°41	26°14	2°17	0°42	F 29
S 30	22 31 44	6°29'05	8♏5	1°40	21°46	25°46	20°55	21°2	13°15	18°49	15°29	27°D41	26°10	2°23	0°43	S 30
S 31	22 35 40	7♏26'58	20♏17	2♏4	22♏49	26♏24	21♏3	21♏5	13♏16	18♏51	15°28	27♏41	26♏7	2♏30	0♏43	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18n 4	12n 1	5s 1	12n59	1n 7	19n18	3s57	2s48	0n18	16s22	0n57	15s35	2n13	22n11	0s 4	F 1
S 2	17 49	15 32	4 32	12 18	1 0	19 23	3 54	3 3	0 17	16 23	0 56	15 36	2 12	22 11	0 4	S 2
S 3	17 34	18 18	3 52	11 38	0 53	19 28	3 51	3 18	0 16	16 24	0 56	15 36	2 12	22 12	0 4	S 3
M 4	17 18	20 14	3 1	10 57	0 46	19 33	3 48	3 33	0 15	16 25	0 56	15 37	2 12	22 12	0 4	M 4
T 5	17 2	21 14	2 4	10 16	0 38	19 37	3 45	3 48	0 14	16 27	0 56	15 37	2 11	22 12	0 4	T 5
W 6	16 46	21 17	1 1	9 36	0 30	19 41	3 42	4 3	0 13	16 28	0 55	15 38	2 11	22 12	0 4	W 6
T 7	16 29	20 23	0n 4	8 55	0 22	19 45	3 39	4 18	0 12	16 29	0 55	15 38	2 11	22 13	0 4	T 7
F 8	16 12	18 35	1 8	8 15	0 13	19 49	3 35	4 33	0 12	16 30	0 55	15 39	2 11	22 13	0 4	F 8
S 9	15 55	15 59	2 10	7 34	0 4	19 52	3 32	4 48	0 11	16 32	0 55	15 40	2 10	22 13	0 4	S 9
S 10	15 38	12 42	3 7	6 54	0s 5	19 55	3 29	5 3	0 10	16 33	0 55	15 40	2 10	22 13	0 4	S 10
M 11	15 21	8 52	3 56	6 15	0 14	19 58	3 25	5 18	0 9	16 35	0 54	15 41	2 10	22 14	0 4	M 11
T 12	15 3	4 37	4 35	5 35	0 23	20 0	3 21	5 33	0 8	16 36	0 54	15 42	2 10	22 14	0 4	T 12
W 13	14 45	0 8	5 2	4 56	0 33	20 2	3 18	5 48	0 8	16 38	0 54	15 42	2 9	22 14	0 4	W 13
T 14	14 27	4s27	5 14	4 18	0 43	20 4	3 14	6 3	0 7	16 39	0 54	15 43	2 9	22 14	0 4	T 14
F 15	14 8	8 55	5 11	3 40	0 53	20 5	3 10	6 18	0 6	16 41	0 53	15 44	2 9	22 15	0 4	F 15
S 16	13 49	13 6	4 52	3 3	1 3	20 6	3 6	6 33	0 5	16 42	0 53	15 45	2 9	22 15	0 4	S 16
S 17	13 30	16 42	4 16	2 26	1 13	20 7	3 2	6 48	0 4	16 44	0 53	15 46	2 8	22 15	0 4	S 17
M 18	13 11	19 28	3 24	1 51	1 24	20 7	2 58	7 3	0 4	16 46	0 53	15 46	2 8	22 15	0 4	M 18
T 19	12 52	21 5	2 18	1 16	1 34	20 6	2 54	7 18	0 3	16 48	0 52	15 47	2 8	22 15	0 4	T 19
W 20	12 32	21 19	1 2	0 42	1 45	20 6	2 50	7 33	0 2	16 49	0 52	15 48	2 8	22 16	0 4	W 20
T 21	12 13	20 4	0s20	0 9	1 55	20 5	2 46	7 48	0 1	16 51	0 52	15 49	2 7	22 16	0 4	T 21
F 22	11 53	17 22	1 41	0s23	2 6	20 3	2 41	8 3	0 1	16 53	0 52	15 50	2 7	22 16	0 4	F 22
S 23	11 33	13 31	2 54	0 54	2 16	20 1	2 37	8 18	0s 0	16 55	0 52	15 51	2 7	22 16	0 4	S 23
S 24	11 12	8 50	3 55	1 54	2 27	19 59	2 33	8 33	0 1	16 57	0 51	15 52	2 7	22 16	0 4	S 24
M 25	10 52	3 43	4 39	1 52	2 37	19 56	2 28	8 48	0 2	16 59	0 51	15 53	2 6	22 17	0 4	M 25
T 26	10 31	1n27	5 5	2 19	2 47	19 52	2 24	9 3	0 3	17 1	0 51	15 54	2 6	22 17	0 4	T 26
W 27	10 10	6 22	5 12	2 44	2 57	19 48	2 20	9 17	0 3	17 3	0 51	15 55	2 6	22 17	0 4	W 27
T 28	9 49	10 50	5 1	3 8	3 7	19 44	2 15	9 32	0 4	17 5	0 50	15 56	2 6	22 17	0 4	T 28
F 29	9 28	14 39	4 36	3 29	3 17	19 39	2 11	9 47	0 5	17 7	0 50	15 57	2 5	22 17	0 4	F 29
S 30	9 7	17 42	3 58	3 49	3 26	19 34	2 6	10 2	0 5	17 9	0 50	15 58	2 5	22 17	0 4	S 30
S 31	8n46	19n53	3s10	4s 7	3s35	19n28	2s 2	10s16	0s 6	17s11	0n50	15s59	2n 5	22n17	0s 4	S 31

Julian Day Number = 2553659.5, Delta T = 263.22 sec
 Ecliptic obliquity = 23°24'06, Nutation = - 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°38'53, Lahiri = 27°45'53

ASTRODIENST EPHEMERIS for the year 2279

geocentric

SEPTEMBER 2279

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 39 37	8 ^h 24 ^m 54 ^s	2 ^h 16 ^m	2 ^h 22 ^m	23 ^h 53 ^m	27 ^h 2 ^m 3	21 ^h 10 ^m	21 ^h 10 ^m 9	13 ^h 11 ^m 17	18 ^h 53 ^m	15 ^h R26	27 ^h 43 ^m	26 ^h 4 ^m	2 ^h 13 ^m 37	0 ^h 11 ^m 43	M 1
T 2	22 43 33	9 ^h 22 ^m 51 ^s	14 ^h 6	2 ^h 36 ^m	24 ^h 58 ^m	27 ^h 42 ^m	21 ^h 18 ^m	21 ^h 12 ^m	13 ^h 18 ^m	18 ^h 55 ^m	15 ^h R25	27 ^h 44 ^m	26 ^h 1	2 ^h 43 ^m	0 ^h 44 ^m	T 2
W 3	22 47 30	10 ^h 20 ^m 49 ^s	25 ^h 53 ^m	2 ^h 44 ^m	26 ^h 2	28 ^h 20 ^m	21 ^h 26 ^m	21 ^h 16 ^m	13 ^h 19 ^m	18 ^h 56 ^m	15 ^h 24 ^m	27 ^h R45	25 ^h 58 ^m	2 ^h 50 ^m	0 ^h 44 ^m	W 3
T 4	22 51 26	11 ^h 18 ^m 50 ^s	7 ^h 10 ^m 40	2 ^h R47	27 ^h 7	28 ^h 59 ^m	21 ^h 34 ^m	21 ^h 20 ^m	13 ^h 20 ^m	18 ^h 58 ^m	15 ^h 23 ^m	27 ^h 45 ^m	25 ^h 55 ^m	2 ^h 57 ^m	0 ^h 44 ^m	T 4
F 5	22 55 23	12 ^h 16 ^m 52 ^s	19 ^h 32 ^m	2 ^h 44 ^m	28 ^h 12 ^m	29 ^h 38 ^m	21 ^h 42 ^m	21 ^h 24 ^m	13 ^h 21 ^m	19 ^h 0	15 ^h 21 ^m	27 ^h 42 ^m	25 ^h 51 ^m	3 ^h 3	0 ^h 44 ^m	F 5
S 6	22 59 20	13 ^h 14 ^m 56 ^s	1 ^h 10 ^m 30	2 ^h 35 ^m	29 ^h 17 ^m	0 ^h 11 ^m 17	21 ^h 50 ^m	21 ^h 27 ^m	13 ^h 21 ^m	19 ^h 2	15 ^h 20 ^m	27 ^h 38 ^m	25 ^h 48 ^m	3 ^h 10 ^m	0 ^h R44	S 6
S 7	23 3 16	14 ^h 13 ^m 02 ^s	13 ^h 38 ^m	2 ^h 20 ^m	0 ^h 12 ^m 23	0 ^h 57 ^m	21 ^h 58 ^m	21 ^h 31 ^m	13 ^h 22 ^m	19 ^h 4	15 ^h 19 ^m	27 ^h 31 ^m	25 ^h 45 ^m	3 ^h 17 ^m	0 ^h 44 ^m	S 7
M 8	23 7 13	15 ^h 11 ^m 09 ^s	25 ^h 56 ^m	1 ^h 58 ^m	1 ^h 28 ^m	1 ^h 36 ^m	22 ^h 7	21 ^h 36 ^m	13 ^h 23 ^m	19 ^h 6	15 ^h 18 ^m	27 ^h 23 ^m	25 ^h 42 ^m	3 ^h 23 ^m	0 ^h 44 ^m	M 8
T 9	23 11 9	16 ^h 9 ^m 17 ^s	8 ^h 26 ^m	1 ^h 30 ^m	2 ^h 34 ^m	2 ^h 15 ^m	22 ^h 15 ^m	21 ^h 40 ^m	13 ^h 23 ^m	19 ^h 8	15 ^h 17 ^m	27 ^h 14 ^m	25 ^h 39 ^m	3 ^h 30 ^m	0 ^h 44 ^m	T 9
W10	23 15 6	17 ^h 7 ^m 28 ^s	21 ^h 8	0 ^h 56 ^m	3 ^h 40 ^m	2 ^h 55 ^m	22 ^h 24 ^m	21 ^h 44 ^m	13 ^h 24 ^m	19 ^h 10 ^m	15 ^h 16 ^m	27 ^h 6	25 ^h 35 ^m	3 ^h 36 ^m	0 ^h 43 ^m	W10
T 11	23 19 2	18 ^h 5 ^m 40 ^s	4 ^h 11 ^m 2	0 ^h 17 ^m	4 ^h 46 ^m	3 ^h 34 ^m	22 ^h 32 ^m	21 ^h 48 ^m	13 ^h 24 ^m	19 ^h 12 ^m	15 ^h 15 ^m	26 ^h 58 ^m	25 ^h 32 ^m	3 ^h 43 ^m	0 ^h 43 ^m	T 11
F 12	23 22 59	19 ^h 3 ^m 53 ^s	17 ^h 9	29 ^h 10 ^m 31	5 ^h 53 ^m	4 ^h 14 ^m	22 ^h 41 ^m	21 ^h 53 ^m	13 ^h 24 ^m	19 ^h 14 ^m	15 ^h 13 ^m	26 ^h 52 ^m	25 ^h 29 ^m	3 ^h 50 ^m	0 ^h 43 ^m	F 12
S 13	23 26 55	20 ^h 2 ^m 08 ^s	0 ^h 17 ^m 30	28 ^h 41 ^m	7 ^h 0	4 ^h 53 ^m	22 ^h 50 ^m	21 ^h 57 ^m	13 ^h 25 ^m	19 ^h 16 ^m	15 ^h 12 ^m	26 ^h 48 ^m	25 ^h 26 ^m	3 ^h 56 ^m	0 ^h 42 ^m	S 13
S 14	23 30 52	21 ^h 0 ^m 25 ^s	14 ^h 5	27 ^h 46 ^m	8 ^h 6	5 ^h 33 ^m	22 ^h 59 ^m	22 ^h 2	13 ^h 25 ^m	19 ^h 18 ^m	15 ^h 11 ^m	26 ^h 46 ^m	25 ^h 23 ^m	4 ^h 3	0 ^h 42 ^m	S 14
M15	23 34 48	21 ^h 58 ^m 43 ^s	27 ^h 55 ^m	26 ^h 48 ^m	9 ^h 13 ^m	6 ^h 13 ^m	23 ^h 9	22 ^h 6	13 ^h 25 ^m	19 ^h 20 ^m	15 ^h 10 ^m	26 ^h D46	25 ^h 20 ^m	4 ^h 10 ^m	0 ^h 41 ^m	M15
T 16	23 38 45	22 ^h 57 ^m 02 ^s	12 ^h 3 ^m 1	25 ^h 48 ^m	10 ^h 21 ^m	6 ^h 53 ^m	23 ^h 18 ^m	22 ^h 11 ^m	13 ^h 25 ^m	19 ^h 22 ^m	15 ^h 9	26 ^h 47 ^m	25 ^h 16 ^m	4 ^h 16 ^m	0 ^h 41 ^m	T 16
W17	23 42 42	23 ^h 55 ^m 23 ^s	26 ^h 22 ^m	24 ^h 47 ^m	11 ^h 28 ^m	7 ^h 32 ^m	23 ^h 27 ^m	22 ^h 16 ^m	13 ^h 25 ^m	19 ^h 24 ^m	15 ^h 8	26 ^h R47	25 ^h 13 ^m	4 ^h 23 ^m	0 ^h 40 ^m	W17
T 18	23 46 38	24 ^h 53 ^m 46 ^s	10 ^h 36 ^m	23 ^h 46 ^m	12 ^h 36 ^m	8 ^h 13 ^m	23 ^h 37 ^m	22 ^h 21 ^m	13 ^h 26 ^m	19 ^h 26 ^m	15 ^h 7	26 ^h 46 ^m	25 ^h 10 ^m	4 ^h 30 ^m	0 ^h 39 ^m	T 18
F 19	23 50 35	25 ^h 52 ^m 10 ^s	25 ^h 39 ^m	22 ^h 47 ^m	13 ^h 43 ^m	8 ^h 53 ^m	23 ^h 47 ^m	22 ^h 26 ^m	13 ^h R26	19 ^h 28 ^m	15 ^h 6	26 ^h 43 ^m	25 ^h 7	4 ^h 36 ^m	0 ^h 38 ^m	F 19
S 20	23 54 31	26 ^h 50 ^m 36 ^s	10 ^h 18 ^m 24	21 ^h 52 ^m	14 ^h 51 ^m	9 ^h 33 ^m	23 ^h 56 ^m	22 ^h 30 ^m	13 ^h 26 ^m	19 ^h 30 ^m	15 ^h 5	26 ^h 38 ^m	25 ^h 4	4 ^h 43 ^m	0 ^h 38 ^m	S 20
S 21	23 58 28	27 ^h 49 ^m 03 ^s	25 ^h 5	21 ^h 1	15 ^h 59 ^m	10 ^h 13 ^m	24 ^h 6	22 ^h 36 ^m	13 ^h 25 ^m	19 ^h 32 ^m	15 ^h 4	26 ^h 30 ^m	25 ^h 0	4 ^h 50 ^m	0 ^h 37 ^m	S 21
M22	0 2 24	28 ^h 47 ^m 33 ^s	9 ^h 13 ^m 33	20 ^h 16 ^m	17 ^h 8	10 ^h 53 ^m	24 ^h 16 ^m	22 ^h 41 ^m	13 ^h 25 ^m	19 ^h 34 ^m	15 ^h 3	26 ^h 21 ^m	24 ^h 57 ^m	4 ^h 56 ^m	0 ^h 36 ^m	M22
T 23	0 6 21	29 ^h 46 ^m 04 ^s	23 ^h 43 ^m	19 ^h 38 ^m	18 ^h 16 ^m	11 ^h 34 ^m	24 ^h 26 ^m	22 ^h 46 ^m	13 ^h 25 ^m	19 ^h 36 ^m	15 ^h 3	26 ^h 11 ^m	24 ^h 54 ^m	5 ^h 3	0 ^h 35 ^m	T 23
W24	0 10 17	0 ^h 24 ^m 43 ^s	7 ^h 33 ^m	19 ^h 8	19 ^h 25 ^m	12 ^h 14 ^m	24 ^h 36 ^m	22 ^h 51 ^m	13 ^h 25 ^m	19 ^h 38 ^m	15 ^h 2	26 ^h 1	24 ^h 51 ^m	5 ^h 9	0 ^h 33 ^m	W24
T 25	0 14 14	1 ^h 43 ^m 13 ^s	20 ^h 50 ^m	18 ^h 47 ^m	20 ^h 33 ^m	12 ^h 55 ^m	24 ^h 47 ^m	22 ^h 56 ^m	13 ^h 25 ^m	19 ^h 41 ^m	15 ^h 1	25 ^h 53 ^m	24 ^h 48 ^m	5 ^h 16 ^m	0 ^h 32 ^m	T 25
F 26	0 18 11	2 ^h 41 ^m 50 ^s	3 ^h 11 ^m 45	18 ^h 36 ^m	21 ^h 42 ^m	13 ^h 35 ^m	24 ^h 57 ^m	23 ^h 2	13 ^h 24 ^m	19 ^h 43 ^m	15 ^h 0	25 ^h 47 ^m	24 ^h 45 ^m	5 ^h 23 ^m	0 ^h 31 ^m	F 26
S 27	0 22 7	3 ^h 40 ^m 30 ^s	16 ^h 18 ^m	18 ^h D34	22 ^h 51 ^m	14 ^h 16 ^m	25 ^h 7	23 ^h 7	13 ^h 24 ^m	19 ^h 45 ^m	14 ^h 59 ^m	25 ^h 43 ^m	24 ^h 41 ^m	5 ^h 29 ^m	0 ^h 30 ^m	S 27
S 28	0 26 4	4 ^h 39 ^m 12 ^s	28 ^h 31 ^m	18 ^h 42 ^m	24 ^h 1	14 ^h 57 ^m	25 ^h 18 ^m	23 ^h 12 ^m	13 ^h 23 ^m	19 ^h 47 ^m	14 ^h 58 ^m	25 ^h 42 ^m	24 ^h 38 ^m	5 ^h 36 ^m	0 ^h 28 ^m	S 28
M29	0 30 0	5 ^h 37 ^m 57 ^s	10 ^h 30 ^m	19 ^h 0	25 ^h 10 ^m	15 ^h 38 ^m	25 ^h 28 ^m	23 ^h 18 ^m	13 ^h 23 ^m	19 ^h 49 ^m	14 ^h 58 ^m	25 ^h D42	24 ^h 35 ^m	5 ^h 43 ^m	0 ^h 27 ^m	M29
T 30	0 33 57	6 ^h 36 ^m 43 ^s	22 ^h 20 ^m	19 ^h 17 ^m 27	26 ^h 19 ^m	16 ^h 11 ^m 19	25 ^h 11 ^m 39	23 ^h 11 ^m 24	13 ^h 11 ^m 22	19 ^h 51 ^m	14 ^h 57 ^m	25 ^h R42	24 ^h 32 ^m	5 ^h 14 ^m 49	0 ^h 11 ^m 25	T 30

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T 2	0 41 50	8°34'23	15°56	20°50	28°39	17°41	26° 1	23°35	13♂21	19°56	14°55	25♂40	24°26	6° 3	0♂22	T 2
F 3	0 45 46	9°33'16	27°52	21°43	29°49	18°22	26°12	23°41	13°21	19°58	14°55	25°36	24°22	6° 9	0°21	F 3
S 4	0 49 43	10°32'11	9♂58	22°45	0♂59	19° 3	26°23	23°46	13°20	20° 0	14°54	25°29	24°19	6°16	0°19	S 4
S 5	0 53 40	11°31'08	22°17	23°53	2° 9	19°44	26°34	23°52	13°19	20° 2	14°54	25°19	24°16	6°23	0°17	S 5
M 6	0 57 36	12°30'08	4♂51	25° 7	3°19	20°26	26°45	23°58	13°18	20° 5	14°53	25° 7	24°13	6°29	0°15	M 6
T 7	1 1 33	13°29'09	17°40	26°27	4°30	21° 7	26°56	24° 4	13°17	20° 7	14°52	24°55	24°10	6°36	0°13	T 7
W 8	1 5 29	14°28'13	0♂42	27°51	5°40	21°49	27° 7	24°10	13°16	20° 9	14°52	24°42	24° 6	6°43	0°11	W 8
T 9	1 9 26	15°27'18	13°58	29°20	6°51	22°30	27°19	24°16	13°15	20°11	14°51	24°30	24° 3	6°49	0° 9	T 9
F 10	1 13 22	16°26'26	27°25	0♂52	8° 2	23°12	27°30	24°22	13°14	20°14	14°51	24°20	24° 0	6°56	0° 7	F 10
S 11	1 17 19	17°25'35	11♂ 2	2°28	9°13	23°54	27°42	24°28	13°13	20°16	14°50	24°14	23°57	7° 2	0° 5	S 11
S 12	1 21 15	18°24'46	24°47	4° 5	10°24	24°36	27°53	24°35	13°12	20°18	14°50	24°10	23°54	7° 9	0° 3	S 12
M13	1 25 12	19°23'59	8♂40	5°45	11°35	25°18	28° 5	24°41	13°11	20°20	14°49	24° 9	23°51	7°16	0° 1	M13
T 14	1 29 9	20°23'14	22°41	7°26	12°46	26° 0	28°17	24°47	13°10	20°22	14°49	24° 8	23°47	7°22	29♂59	T 14
W15	1 33 5	21°22'30	6♂49	9° 8	13°57	26°42	28°29	24°54	13° 9	20°25	14°49	24° 8	23°44	7°29	29°56	W15
T 16	1 37 2	22°21'48	21° 3	10°51	15° 9	27°24	28°41	25° 0	13° 7	20°27	14°48	24° 7	23°41	7°36	29°54	T 16
F 17	1 40 58	23°21'08	5♂22	12°35	16°20	28° 6	28°53	25° 6	13° 6	20°29	14°48	24° 3	23°38	7°42	29°52	F 17
S 18	1 44 55	24°20'29	19°41	14°19	17°32	28°48	29° 5	25°13	13° 4	20°31	14°48	23°56	23°35	7°49	29°49	S 18
S 19	1 48 51	25°19'53	3♂58	16° 3	18°44	29°31	29°17	25°19	13° 3	20°34	14°47	23°46	23°32	7°56	29°47	S 19
M20	1 52 48	26°19'18	18° 5	17°48	19°56	0♂13	29°29	25°26	13° 2	20°36	14°47	23°34	23°28	8° 2	29°44	M20
T 21	1 56 44	27°18'45	1♂58	19°32	21° 8	0°55	29°41	25°32	13° 0	20°38	14°47	23°22	23°25	8° 9	29°42	T 21
W22	2 0 41	28°18'14	15°33	21°16	22°20	1°38	29°53	25°39	12°58	20°40	14°47	23°10	23°22	8°16	29°39	W22
T 23	2 4 37	29°17'46	28°47	23° 0	23°32	2°21	0♂ 5	25°46	12°57	20°43	14°46	22°59	23°19	8°22	29°37	T 23
F 24	2 8 34	0♂17'19	11♂38	24°43	24°44	3° 3	0°18	25°52	12°55	20°45	14°46	22°51	23°16	8°29	29°34	F 24
S 25	2 12 31	1°16'55	24° 9	26°26	25°56	3°46	0°30	25°59	12°54	20°47	14°46	22°45	23°12	8°36	29°31	S 25
S 26	2 16 27	2°16'33	6♂22	28° 9	27° 9	4°29	0°43	26° 6	12°52	20°49	14°46	22°43	23° 9	8°42	29°28	S 26
M27	2 20 24	3°16'13	18°22	29°51	28°21	5°12	0°55	26°12	12°50	20°51	14°46	22°D42	23° 6	8°49	29°26	M27
T 28	2 24 20	4°15'56	0♂13	1♂32	29°34	5°55	1° 8	26°19	12°48	20°54	14°46	22°R42	23° 3	8°56	29°23	T 28
W29	2 28 17	5°15'41	12° 1	3°13	0♂46	6°38	1°20	26°26	12°46	20°56	14°D46	22°42	23° 0	9° 2	29°20	W29
T 30	2 32 13	6°15'27	23°51	4°53	1°59	7°21	1°33	26°33	12°45	20°58	14°46	22°40	22°57	9° 9	29°17	T 30
F 31	2 36 10	7♂15'16	5♂50	6♂33	3♂12	8♂ 4	1♂46	26♂40	12♂43	21♂ 0	14°46	22♂37	22♂53	9♂15	29♂14	F 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
W 1	3s 0	19n55	0n45	4n33	0n41	12n30	0n11	17s19	0s27	18s28	0n44	16s42	1n59	22n18	0s 4	6s21
T 2	3 24	17 43	1 45	4 28	0 54	12 9	0 14	17 31	0 28	18 31	0 44	16 44	1 59	22 18	0 4	6 21
F 3	3 47	14 44	2 42	4 17	1 6	11 48	0 18	17 43	0 28	18 34	0 44	16 45	1 58	22 18	0 4	6 22
S 4	4 10	11 5	3 32	4 3	1 17	11 27	0 22	17 55	0 29	18 36	0 44	16 47	1 58	22 18	0 4	6 23
S 5	4 33	6 56	4 13	3 44	1 26	11 5	0 25	18 7	0 29	18 39	0 44	16 48	1 58	22 18	0 4	6 24
M 6	4 56	2 24	4 42	3 22	1 34	10 43	0 29	18 19	0 30	18 42	0 43	16 50	1 58	22 18	0 4	6 25
T 7	5 19	2s19	4 58	2 57	1 40	10 21	0 32	18 30	0 31	18 44	0 43	16 51	1 58	22 18	0 4	6 26
W 8	5 42	7 2	4 59	2 28	1 46	9 58	0 35	18 42	0 31	18 47	0 43	16 53	1 58	22 18	0 4	6 26
T 9	6 5	11 29	4 44	1 57	1 50	9 35	0 39	18 53	0 32	18 50	0 43	16 55	1 57	22 17	0 4	6 27
F 10	6 27	15 27	4 13	1 23	1 53	9 12	0 42	19 4	0 32	18 53	0 43	16 56	1 57	22 17	0 4	6 28
S 11	6 50	18 39	3 27	0 47	1 55	8 48	0 45	19 15	0 33	18 55	0 43	16 58	1 57	22 17	0 4	6 29
S 12	7 12	20 49	2 29	0 9	1 56	8 24	0 48	19 26	0 34	18 58	0 42	17 0	1 57	22 17	0 4	6 30
M13	7 35	21 46	1 21	0s30	1 57	8 0	0 51	19 37	0 34	19 1	0 42	17 1	1 57	22 17	0 4	6 31
T 14	7 57	21 22	0 8	1 10	1 56	7 35	0 54	19 47	0 35	19 4	0 42	17 3	1 57	22 17	0 4	6 31
W15	8 19	19 37	1s 7	1 51	1 55	7 11	0 57	19 57	0 35	19 6	0 42	17 5	1 57	22 17	0 4	6 32
T 16	8 42	16 37	2 17	2 34	1 53	6 46	1 0	20 8	0 36	19 9	0 42	17 6	1 56	22 17	0 4	6 33
F 17	9 3	12 37	3 19	3 16	1 50	6 20	1 2	20 18	0 36	19 12	0 42	17 8	1 56	22 16	0 4	6 34
S 18	9 25	7 54	4 9	3 59	1 47	5 55	1 5	20 28	0 37	19 15	0 42	17 9	1 56	22 16	0 4	6 35
S 19	9 47	2 45	4 43	4 43	1 44	5 29	1 7	20 37	0 37	19 17	0 42	17 11	1 56	22 16	0 4	6 36
M20	10 9	2n28	4 59	5 26	1 40	5 3	1 10	20 47	0 38	19 20	0 41	17 13	1 56	22 16	0 4	6 36
T 21	10 30	7 29	4 57	6 10	1 35	4 37	1 12	20 56	0 38	19 23	0 41	17 14	1 56	22 16	0 4	6 37
W22	10 51	12 2	4 38	6 53	1 30	4 11	1 15	21 6	0 39	19 25	0 41	17 16	1 56	22 15	0 4	6 38
T 23	11 12	15 53	4 5	7 36	1 25	3 45	1 17	21 15	0 40	19 28	0 41	17 18	1 56	22 15	0 4	6 39
F 24	11 33	18 51	3 19	8 19	1 20	3 18	1 19	21 23	0 40	19 31	0 41	17 19	1 55	22 15	0 4	6 40
S 25	11 54	20 51	2 25	9 2	1 14	2 51	1 21	21 32	0 41	19 34	0 41	17 21	1 55	22 15	0 4	6 41
S 26	12 15	21 50	1 25	9 44	1 8	2 24	1 23	21 41	0 41	19 36	0 41	17 23	1 55	22 15	0 4	6 41
M27	12 35	21 46	0 23	10 26	1 2	1 57	1 25	21 49	0 42	19 39	0 41	17 24	1 55	22 14	0 4	6 42
T 28	12 55	20 43	0n40	11 7	0 56	1 30	1 27	21 57	0 42	19 42	0 40	17 26	1 55	22 14	0 4	6 43
W29	13 15	18 47	1 41	11 47	0 50	1 3	1 29	22 5	0 43	19 44	0 40	17 28	1 55	22 14	0 4	6 44
T 30	13 35	16 1	2 37	12 27	0 43	0 35	1 30	22 13	0 43	19 47	0 40	17 29	1 55	22 14	0 4	6 45
F 31	13s55	12n35	3n28	13s 6	0n37	0n 8	1n32	22s20	0s44	19s50	0n40	17s31	1n55	22n14	0s 4	6s45

Julian Day Number = 2553720.5, Delta T = 263.48 sec
Ecliptic obliquity = 23°24'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°39'01, Lahiri = 27°46'02

ASTRODIENST EPHEMERIS for the year 2279
geocentric

NOVEMBER 2279

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	2 40 6	8♍15°08	18♎0	8♍13	4♌25	8♌47	1♌58	26♍47	12°R41	21♌2	14♌46	22°R31	22♌50	9♍22	29°R11	S 1
S 2	2 44 3	9°15'01	0♌27	9°52	5°38	9°30	2°11	26°53	12♍39	21° 4	14°46	22♌22	22°47	9°29	29♌8	S 2
M 3	2 48 0	10°14'56	13°12	11°30	6°51	10°14	2°24	27° 0	12°37	21° 7	14°46	22°11	22°44	9°35	29° 5	M 3
T 4	2 51 56	11°14'54	26°17	13° 8	8° 4	10°57	2°37	27° 7	12°35	21° 9	14°47	21°59	22°41	9°42	29° 2	T 4
W 5	2 55 53	12°14'53	9♍41	14°45	9°17	11°41	2°50	27°14	12°33	21°11	14°47	21°47	22°37	9°49	28°59	W 5
T 6	2 59 49	13°14'55	23°21	16°22	10°31	12°24	3° 3	27°21	12°31	21°13	14°47	21°36	22°34	9°55	28°56	T 6
F 7	3 3 46	14°14'58	7♌13	17°58	11°44	13° 8	3°16	27°28	12°29	21°15	14°47	21°27	22°31	10° 2	28°53	F 7
S 8	3 7 42	15°15'03	21°15	19°34	12°57	13°52	3°29	27°35	12°26	21°17	14°48	21°21	22°28	10° 9	28°50	S 8
S 9	3 11 39	16°15'10	5♌22	21° 9	14°11	14°35	3°42	27°42	12°24	21°19	14°48	21°18	22°25	10°15	28°47	S 9
M10	3 15 35	17°15'19	19°31	22°45	15°24	15°19	3°55	27°49	12°22	21°21	14°48	21°D17	22°22	10°22	28°44	M10
T 11	3 19 32	18°15'28	3♌40	24°19	16°38	16° 3	4° 8	27°57	12°20	21°23	14°49	21°17	22°18	10°29	28°40	T 11
W12	3 23 29	19°15'40	17°47	25°53	17°52	16°47	4°21	28° 4	12°18	21°25	14°49	21°R17	22°15	10°35	28°37	W12
T 13	3 27 25	20°15'52	1♌52	27°27	19° 5	17°31	4°34	28°11	12°15	21°27	14°49	21°17	22°12	10°42	28°34	T 13
F 14	3 31 22	21°16'07	15°53	29° 1	20°19	18°15	4°47	28°18	12°13	21°29	14°50	21°14	22° 9	10°49	28°31	F 14
S 15	3 35 18	22°16'22	29°49	0♌34	21°33	18°59	5° 0	28°25	12°11	21°31	14°50	21° 9	22° 6	10°55	28°28	S 15
S 16	3 39 15	23°16'39	13♌39	2° 7	22°47	19°43	5°14	28°32	12° 8	21°33	14°51	21° 2	22° 3	11° 2	28°24	S 16
M17	3 43 11	24°16'58	27°19	3°39	24° 1	20°28	5°27	28°39	12° 6	21°35	14°51	20°53	21°59	11° 9	28°21	M17
T 18	3 47 8	25°17'18	10♌47	5°12	25°15	21°12	5°40	28°46	12° 4	21°37	14°52	20°43	21°56	11°15	28°18	T 18
W19	3 51 4	26°17'39	24° 1	6°44	26°29	21°56	5°53	28°53	12° 1	21°39	14°52	20°33	21°53	11°22	28°15	W19
T 20	3 55 1	27°18'03	6♍58	8°15	27°43	22°41	6° 7	29° 1	11°59	21°41	14°53	20°24	21°50	11°28	28°11	T 20
F 21	3 58 58	28°18'28	19°39	9°47	28°57	23°25	6°20	29° 8	11°56	21°43	14°54	20°18	21°47	11°35	28° 8	F 21
S 22	4 2 54	29°18'55	2♌3	11°18	0♍11	24°10	6°33	29°15	11°54	21°45	14°54	20°14	21°43	11°42	28° 5	S 22
S 23	4 6 51	0♌19°23	14°13	12°49	1°25	24°55	6°47	29°22	11°51	21°47	14°55	20°12	21°40	11°48	28° 2	S 23
M24	4 10 47	1°19'53	26°11	14°19	2°39	25°39	7° 0	29°29	11°49	21°48	14°56	20°D12	21°37	11°55	27°58	M24
T 25	4 14 44	2°20'25	8♍2	15°49	3°54	26°24	7°13	29°36	11°46	21°50	14°56	20°13	21°34	12° 2	27°55	T 25
W26	4 18 40	3°20'59	19°49	17°19	5° 8	27° 9	7°27	29°43	11°44	21°52	14°57	20°14	21°31	12° 8	27°52	W26
T 27	4 22 37	4°21'34	1♎40	18°49	6°22	27°54	7°40	29°51	11°41	21°54	14°58	20°R15	21°28	12°15	27°49	T 27
F 28	4 26 33	5°22'11	13°37	20°18	7°37	28°39	7°54	29°58	11°39	21°56	14°59	20°15	21°24	12°22	27°45	F 28
S 29	4 30 30	6°22'50	25°48	21°47	8°51	29°24	8° 7	0♌5	11°36	21°57	15° 0	20°13	21°21	12°28	27°42	S 29
S 30	4 34 27	7♌23°30	8♌16	23♌15	10♍6	0♌9	8♌20	0♌12	11♍34	21♌59	15♌1	20♌9	21♌18	12♍35	27♌39	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	14s14	8n34	4n10	13s45	0n30	0s20	1n33	22s27	0s44	19s52	0n40	17s33	1n55	22n13	0s 4	6s46	1n32	22s45	6s41	21n32	21n28	19n18	16n21	3s41							
S 2	14 33	4 7	4 41	14 23	0 23	0 47	1 35	22 35	0 45	19 55	0 40	17 34	1 55	22 13	0 4	6 47	1 32	22 45	6 40	21 33	21 29	19 17	16 20	3 41							
M 3	14 52	0s37	4 58	15 0	0 17	1 15	1 36	22 41	0 45	19 58	0 40	17 36	1 54	22 13	0 4	6 48	1 32	22 45	6 40	21 35	21 29	19 16	16 19	3 41							
T 4	15 11	5 27	5 1	15 36	0 10	1 42	1 37	22 48	0 45	20 0	0 40	17 38	1 54	22 13	0 4	6 48	1 32	22 45	6 40	21 37	21 30	19 15	16 18	3 41							
W 5	15 29	10 8	4 48	16 11	0 3	2 10	1 38	22 55	0 46	20 3	0 40	17 39	1 54	22 12	0 4	6 49	1 33	22 45	6 40	21 39	21 30	19 14	16 18	3 42							
T 6	15 47	14 25	4 18	16 46	0s 4	2 38	1 39	23 1	0 46	20 5	0 39	17 41	1 54	22 12	0 4	6 50	1 33	22 44	6 40	21 40	21 31	19 13	16 17	3 42							
F 7	16 5	18 0	3 32	17 19	0 10	3 6	1 40	23 7	0 47	20 8	0 39	17 43	1 54	22 12	0 4	6 51	1 33	22 44	6 40	21 42	21 31	19 12	16 16	3 42							
S 8	16 23	20 34	2 33	17 52	0 17	3 33	1 41	23 13	0 47	20 10	0 39	17 44	1 54	22 11	0 4	6 51	1 33	22 44	6 40	21 43	21 32	19 11	16 15	3 42							
S 9	16 40	21 54	1 24	18 24	0 24	4 1	1 42	23 18	0 48	20 13	0 39	17 46	1 54	22 11	0 4	6 52	1 33	22 44	6 40	21 43	21 32	19 10	16 14	3 42							
M10	16 58	21 50	0 9	18 55	0 30	4 29	1 43	23 24	0 48	20 16	0 39	17 48	1 54	22 11	0 4	6 53	1 33	22 44	6 39	21 43	21 33	19 9	16 14	3 42							
T 11	17 14	20 22	1s 6	19 25	0 37	4 56	1 43	23 29	0 49	20 18	0 39	17 49	1 54	22 11	0 4	6 54	1 33	22 43	6 39	21 43	21 34	19 8	16 13	3 43							
W12	17 31	17 39	2 17	19 54	0 43	5 24	1 44	23 34	0 49	20 21	0 39	17 51	1 54	22 10	0 4	6 54	1 33	22 43	6 39	21 43	21 34	19 7	16 12	3 43							
T 13	17 47	13 54	3 19	20 22	0 50	5 51	1 44	23 38	0 50	20 23	0 39	17 53	1 54	22 10	0 4	6 55	1 33	22 43	6 39	21 43	21 35	19 6	16 11	3 43							
F 14	18 3	9 23	4 9	20 49	0 56	6 18	1 45	23 43	0 50	20 26	0 39	17 54	1 54	22 10	0 4	6 56	1 33	22 43	6 39	21 44	21 35	19 5	16 10	3 43							
S 15	18 19	4 25	4 44	21 15	1 2	6 46	1 45	23 47	0 50	20 28	0 39	17 56	1 54	22 9	0 4	6 57	1 33	22 42	6 39	21 44	21 36	19 4	16 9	3 43							
S 16	18 34	0n44	5 3	21 40	1 8	7 13	1 45	23 51	0 51	20 31	0 38	17 57	1 53	22 9	0 4	6 57	1 33	22 42	6 39	21 46	21 36	19 3	16 9	3 43							
M17	18 49	5 47	5 3	22 4	1 14	7 40	1 45	23 55	0 51	20 33	0 38	17 59	1 53	22 9	0 4	6 58	1 33	22 42	6 39	21 47	21 37	19 2	16 8	3 43							
T 18	19 3	10 29	4 47	22 27	1 20	8 7	1 45	23 58	0 52	20 35	0 38	18 1	1 53	22 9	0 4	6 59	1 33	22 42	6 39	21 49	21 37	19 1	16 7	3 43							
W19	19 18	14 37	4 15	22 49	1 26	8 34	1 45	24 1	0 52	20 38	0 38	18 2	1 53	22 8	0 4	6 59	1 33	22 41	6 38	21 50	21 38	19 0	16 6	3 44							
T 20	19 32	17 58	3 31	23 9	1 31	9 0	1 45	24 4	0 52	20 40	0 38	18 4	1 53	22 8	0 4	7 0	1 33	22 41	6 38	21 51	21 38	18 59	16 5	3 44							
F 21	19 45	20 24	2 37	23 28	1 37	9 27	1 45	24 7	0 53	20 43	0 38	18 5	1 53	22 8	0 4	7 1	1 33	22 41	6 38	21 52	21 39	18 58	16 5	3 44							
S 22	19 58	21 47	1 36	23 47	1 42	9 53	1 45	24 10	0 53	20 45	0 38	18 7	1 53	22 7	0 3	7 1	1 33	22 40	6 38	21 53	21 39	18 57	16 4	3 44							
S 23	20 11	22 7	0 32	24 4	1 47	10 19	1 45	24 12	0 54	20 47	0 38	18 8	1 53	22 7	0 3	7 2	1 33	22 40	6 38	21 53	21 40	18 56	16 3	3 44							
M24	20 24	21 25	0n32	24 19	1 51	10 45	1 44	24 14	0 54	20 49	0 38	18 10	1 53	22 7	0 3	7 3	1 33	22 40	6 38	21 53	21 40	18 54	16 2	3 44							
T 25	20 36	19 46	1 35	24 34	1 56	11 10	1 44	24 15	0 54	20 52	0 38	18 12	1 53	22 6	0 3	7 3	1 33	22 39	6 38	21 53	21 41	18 53	16 1	3 44							
W26	20 48	17 16	2 33	24 47	2 0	11 36	1 43	24 17	0 55	20 54	0 38	18 13	1 53	22 6	0 3	7 4	1 33	22 39	6 38	21 53	21 41	18 52	16 1	3 44							
T 27	20 59	14 4	3 26	24 59	2 4	12 1	1 42	24 18	0 55	20 56	0 38	18 15	1 53	22 6	0 3	7 5	1 33	22 39	6 38	21 53	21 42	18 51	16 0	3 44							
F 28	21 10	10 16	4 9	25 10	2 8	12 26	1 42	24 19	0 55	20 59	0 37	18 16	1 53	22 5	0 3	7 5	1 33	22 38	6 38	21 53	21 42	18 50	15 59	3 44							
S 29	21 20	5 59	4 43	25 19	2 11	12 50	1 41	24 20	0 56	21 1	0 37	18 18	1 53	22 5	0 3	7 6	1 33	22 38	6 37	21 53	21 43	18 49	15 58	3 44							
S 30	21s31	1n23	5n 3	25s28	2s14	13s14	1n40	24s20	0s56	21s 3	0n37	18s19	1n53	22n 5	0s 3	7s 6	1n33	22s38	6s37	21n54	21n43	18n48	15n58	3s44							

ASTRODIENST EPHEMERIS for the year 2279
geocentric

DECEMBER 2279

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 38 23	8°24'12	21°15' 5	24°43' 43	11°11' 20	0°54' 54	8°34' 34	0°19' 19	11°R31	22°15' 1	15°15' 1	20°R 3	21°15' 15	12°12' 42	27°R36	M 1
T 2	4 42 20	9°24'56	4°11' 17	26°10' 12	12°35' 13	1°39' 39	8°47' 47	0°26' 26	11°II29	22°22' 2	15°22' 2	19°15' 56	21°21' 12	12°48' 48	27°R33	T 2
W 3	4 46 16	10°25'41	17°53' 27	27°37' 37	13°49' 49	2°24' 24	9°1' 1	0°33' 33	11°26' 26	22°22' 4	15°22' 4	19°49' 49	21°21' 9	12°55' 55	27°29' 29	W 3
T 4	4 50 13	11°26'27	1°17' 51	29°3' 3	15°4' 4	3°9' 9	9°14' 14	0°40' 40	11°24' 24	22°22' 6	15°22' 6	19°43' 43	21°21' 5	13°2' 2	27°26' 26	T 4
F 5	4 54 9	12°27'15	16°7' 7	0°32' 28	16°19' 19	3°55' 55	9°28' 28	0°47' 47	11°21' 21	22°22' 7	15°22' 7	19°38' 38	21°21' 2	13°8' 8	27°23' 23	F 5
S 6	4 58 6	13°28'04	0°33' 35	1°53' 53	17°33' 33	4°40' 40	9°41' 41	0°54' 54	11°19' 19	22°22' 9	15°22' 9	19°34' 34	20°59' 59	13°15' 15	27°20' 20	S 6
S 7	5 2 2	14°28'54	15°10' 10	3°16' 16	18°48' 48	5°25' 25	9°54' 54	1°1' 1	11°16' 16	22°22' 10	15°22' 10	19°D33	20°56' 56	13°22' 22	27°17' 17	S 7
M 8	5 5 59	15°29'45	29°44' 44	4°38' 38	20°3' 3	6°11' 11	10°8' 8	1°9' 9	11°14' 14	22°22' 12	15°22' 12	19°33' 33	20°53' 53	13°28' 28	27°14' 14	M 8
T 9	5 9 56	16°30'37	14°14' 14	5°58' 58	21°18' 18	6°56' 56	10°21' 21	1°16' 16	11°11' 11	22°22' 13	15°22' 13	19°35' 35	20°49' 49	13°35' 35	27°11' 11	T 9
W10	5 13 52	17°31'30	28°35' 35	7°17' 17	22°32' 32	7°42' 42	10°35' 35	1°22' 22	11°9' 9	22°22' 15	15°22' 15	19°36' 36	20°46' 46	13°42' 42	27°8' 8	W10
T 11	5 17 49	18°32'23	12°14' 45	8°34' 34	23°47' 47	8°28' 28	10°48' 48	1°29' 29	11°6' 6	22°22' 16	15°22' 16	19°R37	20°43' 43	13°48' 48	27°5' 5	T 11
F 12	5 21 45	19°33'17	26°41' 41	9°49' 49	25°2' 2	9°13' 13	11°1' 1	1°36' 36	11°4' 4	22°22' 18	15°22' 18	19°37' 37	20°40' 40	13°55' 55	27°2' 2	F 12
S 13	5 25 42	20°34'12	10°17' 25	11°2' 2	26°17' 17	9°59' 59	11°15' 15	1°43' 43	11°1' 1	22°22' 19	15°22' 19	19°36' 36	20°37' 37	14°2' 2	26°59' 59	S 13
S 14	5 29 38	21°35'07	23°54' 54	12°11' 11	27°32' 32	10°45' 45	11°28' 28	1°50' 50	10°59' 59	22°22' 20	15°22' 20	19°33' 33	20°34' 34	14°8' 8	26°56' 56	S 14
M15	5 33 35	22°36'04	7°11' 11	13°17' 17	28°47' 47	11°31' 31	11°41' 41	1°57' 57	10°56' 56	22°22' 22	15°22' 22	19°29' 29	20°30' 30	14°15' 15	26°53' 53	M15
T 16	5 37 32	23°37'01	20°14' 14	14°19' 19	0°17' 2	12°16' 16	11°55' 55	2°4' 4	10°54' 54	22°22' 23	15°22' 23	19°25' 25	20°27' 27	14°22' 22	26°50' 50	T 16
W17	5 41 28	24°37'58	3°11' 4	15°17' 17	1°17' 17	13°2' 2	12°8' 8	2°11' 11	10°51' 51	22°22' 24	15°22' 24	19°20' 20	20°24' 24	14°28' 28	26°48' 48	W17
T 18	5 45 25	25°38'57	15°41' 41	16°9' 9	2°32' 32	13°48' 48	12°21' 21	2°17' 17	10°49' 49	22°22' 26	15°22' 26	19°17' 17	20°21' 21	14°35' 35	26°45' 45	T 18
F 19	5 49 21	26°39'56	28°5' 5	16°56' 56	3°47' 47	14°34' 34	12°34' 34	2°24' 24	10°46' 46	22°22' 27	15°22' 27	19°14' 14	20°18' 18	14°42' 42	26°42' 42	F 19
S 20	5 53 18	27°40'56	10°18' 18	17°35' 35	5°2' 2	15°20' 20	12°48' 48	2°31' 31	10°44' 44	22°22' 28	15°22' 28	19°13' 13	20°15' 15	14°48' 48	26°39' 39	S 20
S 21	5 57 14	28°41'56	22°21' 21	18°8' 8	6°17' 17	16°6' 6	13°1' 1	2°38' 38	10°42' 42	22°22' 29	15°22' 29	19°D12	20°11' 11	14°55' 55	26°37' 37	S 21
M22	6 1 11	29°42'58	4°15' 15	18°31' 31	7°32' 32	16°53' 53	13°14' 14	2°44' 44	10°39' 39	22°22' 30	15°22' 30	19°13' 13	20°8' 8	15°2' 2	26°34' 34	M22
T 23	6 5 7	0°34'40	16°5' 5	18°46' 46	8°47' 47	17°39' 39	13°27' 27	2°51' 51	10°37' 37	22°22' 31	15°22' 31	19°14' 14	20°5' 5	15°8' 8	26°32' 32	T 23
W24	6 9 4	1°45'03	27°53' 53	18°R50	10°2' 2	18°25' 25	13°40' 40	2°57' 57	10°35' 35	22°22' 32	15°22' 32	19°16' 16	20°2' 2	15°15' 15	26°29' 29	W24
T 25	6 13 1	2°46'07	9°14' 43	18°44' 44	11°17' 17	19°11' 11	13°53' 53	3°4' 4	10°32' 32	22°22' 33	15°22' 33	19°18' 18	19°59' 59	15°21' 21	26°27' 27	T 25
F 26	6 16 57	3°47'11	21°39' 39	18°26' 26	12°32' 32	19°58' 58	14°6' 6	3°10' 10	10°30' 30	22°22' 34	15°22' 34	19°19' 19	19°55' 55	15°28' 28	26°24' 24	F 26
S 27	6 20 54	4°48'17	3°14' 47	17°56' 56	13°47' 47	20°44' 44	14°19' 19	3°17' 17	10°28' 28	22°22' 35	15°22' 35	19°R19	19°52' 52	15°35' 35	26°22' 22	S 27
S 28	6 24 50	5°49'23	16°11' 11	17°14' 14	15°2' 2	21°30' 30	14°32' 32	3°23' 23	10°26' 26	22°22' 36	15°22' 36	19°19' 19	19°49' 49	15°41' 41	26°19' 19	S 28
M29	6 28 47	6°50'29	28°56' 56	16°22' 22	16°17' 17	22°17' 17	14°45' 45	3°30' 30	10°23' 23	22°22' 37	15°22' 37	19°18' 18	19°46' 46	15°48' 48	26°17' 17	M29
T 30	6 32 43	7°51'37	12°11' 5	15°19' 19	17°32' 32	23°3' 3	14°58' 58	3°36' 36	10°21' 21	22°22' 38	15°22' 38	19°17' 17	19°43' 43	15°55' 55	26°15' 15	T 30
W31	6 36 40	8°52'45	25°11' 41	14°3' 3	18°48' 48	23°35' 35	15°11' 11	3°42' 42	10°19' 19	22°22' 39	15°22' 39	19°15' 15	19°40' 40	16°1' 1	26°13' 13	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	21s40	3s25	5n10	25s34	2s17	13s38	1n39	24s20	0s56	21s 5	0n37	18s21	1n53	22n 4	0s 3	7s 7
T 2	21 50	8 13	5 0	25 40	2 19	14 2	1 38	24 20	0 57	21 7	0 37	18 22	1 53	22 4	0 3	7 8
W 3	21 59	12 45	4 34	25 44	2 21	14 25	1 37	24 20	0 57	21 9	0 37	18 24	1 53	22 4	0 3	7 8
T 4	22 7	16 44	3 51	25 46	2 22	14 48	1 36	24 19	0 57	21 11	0 37	18 25	1 53	22 3	0 3	7 9
F 5	22 15	19 49	2 52	25 48	2 24	15 11	1 35	24 18	0 58	21 14	0 37	18 26	1 53	22 3	0 3	7 9
S 6	22 23	21 42	1 42	25 48	2 24	15 33	1 33	24 17	0 58	21 16	0 37	18 28	1 53	22 3	0 3	7 10
S 7	22 30	22 9	0 24	25 46	2 24	15 55	1 32	24 16	0 58	21 18	0 37	18 29	1 53	22 2	0 3	7 10
M 8	22 37	21 5	0s55	25 43	2 24	16 16	1 31	24 14	0 59	21 20	0 37	18 31	1 53	22 2	0 3	7 11
T 9	22 43	18 37	2 11	25 39	2 23	16 37	1 29	24 12	0 59	21 22	0 37	18 32	1 53	22 2	0 3	7 11
W10	22 49	15 2	3 18	25 33	2 21	16 58	1 28	24 10	0 59	21 24	0 37	18 34	1 53	22 1	0 3	7 12
T 11	22 55	10 38	4 11	25 26	2 19	17 18	1 26	24 7	0 59	21 26	0 37	18 35	1 53	22 1	0 3	7 12
F 12	23 0	5 44	4 49	25 18	2 16	17 38	1 24	24 4	1 0	21 28	0 36	18 36	1 53	22 1	0 3	7 13
S 13	23 4	0 38	5 10	25 8	2 12	17 57	1 23	24 1	1 0	21 29	0 36	18 38	1 53	22 0	0 3	7 13
S 14	23 8	4n25	5 13	24 58	2 8	18 16	1 21	23 58	1 0	21 31	0 36	18 39	1 53	22 0	0 3	7 14
M15	23 12	9 10	4 59	24 46	2 2	18 34	1 19	23 55	1 0	21 33	0 36	18 40	1 53	22 0	0 3	7 14
T 16	23 15	17 16	4 30	24 33	1 56	18 52	1 17	23 51	1 1	21 35	0 36	18 42	1 53	21 59	0 3	7 15
W17	23 18	17 1	3 47	24 19	1 48	19 9	1 15	23 47	1 1	21 37	0 36	18 43	1 53	21 59	0 3	7 15
T 18	23 20	19 45	2 54	24 4	1 40	19 26	1 13	23 42	1 1	21 39	0 36	18 44	1 53	21 59	0 3	7 15
F 19	23 22	21 29	1 54	23 49	1 30	19 42	1 11	23 37	1 1	21 40	0 36	18 46	1 53	21 58	0 3	7 16
S 20	23 23	22 11	0 49	23 33	1 19	19 58	1 9	23 33	1 2	21 42	0 36	18 47	1 53	21 58	0 3	7 16
S 21	23 24	21 50	0n17	23 17	1 7	20 13	1 7	23 27	1 2	21 44	0 36	18 48	1 53	21 58	0 3	7 17
M22	23 24	20 30	1 22	23 0	0 53	20 28	1 5	23 22	1 2	21 45	0 36	18 49	1 53	21 57	0 3	7 17
T 23	23 24	18 16	2 23	22 44	0 39	20 41	1 3	23 16	1 2	21 47	0 36	18 51	1 53	21 57	0 3	7 17
W24	23 23	15 17	3 18	22 27	0 23	20 55	1 1	23 10	1 2	21 49	0 36	18 52	1 53	21 57	0 3	7 18
T 25	23 22	11 41	4 5	22 11	0 6	21 8	0 59	23 4	1 3	21 50	0 36	18 53	1 53	21 56	0 3	7 18
F 26	23 21	7 37	4 41	21 56	0n13	21 20	0 56	22 57	1 3	21 52	0 36	18 54	1 53	21 56	0 3	7 18
S 27	23 19	3 10	5 6	21 41	0 32	21 31	0 54	22 51	1 3	21 54	0 36	18 55	1 54	21 56	0 3	7 19
S 28	23 16	1s29	5 17	21 27	0 51	21 42	0 52	22 44	1 3	21 55	0 36	18 56	1 54	21 55	0 3	7 19
M29	23 14	6 12	5 13	21 14	1 11	21 53	0 49	22 36	1 3	21 57	0 36	18 58	1 54	21 55	0 3	7 19
T 30	23 10	10 48	4 52	21 1	1 31	22 2	0 47	22 29	1 4	21 58	0 36	18 59	1 54	21 55	0 3	7 19
W31	23s 6	15s 1	4n16	20s50	1n50	22s11	0n45	22s21	1s 4	22s 0	0n36	19s 0	1n54	21n55	0s 3	7s20

Julian Day Number = 2553781.5, Delta T = 263.74 sec
Ecliptic obliquity = 23°24'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley =