



Astrodienst Ephemeris Tables for the year 2281

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 2281
geocentric

JANUARY 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 43 36	10 ³ 40'04	11 ⁸ 37	18 ⁷ 47	18°R45	1 [♂] 35	10 ³ 28	14 ⁷ 10	14°R41	24 [♂] 49	17 [♂] 14	0 [♂] 49	0 [♂] 14	26 [♂] 59	1°R39	S 1
S 2	6 47 32	11°41'11	25°24	19°31	18 ³ 11	1°56	10°42	14°17	14 ^{II} 38	24°50	17°15	0°50	0°10	27° 6	1 ^{II} 37	S 2
M 3	6 51 29	12°42'18	9 ^{II} 0	20°20	17°36	2°17	10°56	14°23	14°36	24°51	17°17	0°51	0° 7	27°13	1°35	M 3
T 4	6 55 25	13°43'25	22°25	21°14	17° 0	2°37	11°10	14°30	14°34	24°52	17°18	0°52	0° 4	27°19	1°32	T 4
W 5	6 59 22	14°44'33	5 [♂] 37	22°12	16°23	2°57	11°23	14°36	14°32	24°52	17°20	0°R52	0° 1	27°26	1°30	W 5
T 6	7 3 18	15°45'40	18°35	23°13	15°46	3°17	11°37	14°43	14°30	24°53	17°21	0°51	29 ^{II} 58	27°33	1°28	T 6
F 7	7 7 15	16°46'47	1 [♂] 19	24°18	15°10	3°36	11°51	14°49	14°28	24°54	17°23	0°49	29°54	27°40	1°26	F 7
S 8	7 11 12	17°47'55	13°49	25°25	14°33	3°54	12° 5	14°56	14°26	24°54	17°25	0°47	29°51	27°46	1°24	S 8
S 9	7 15 8	18°49'02	26° 6	26°34	13°57	4°13	12°19	15° 2	14°24	24°55	17°26	0°44	29°48	27°53	1°22	S 9
M10	7 19 5	19°50'10	8 [♂] 12	27°46	13°22	4°31	12°32	15° 8	14°22	24°56	17°28	0°41	29°45	28° 0	1°20	M10
T 11	7 23 1	20°51'18	20°10	29° 0	12°48	4°48	12°46	15°14	14°20	24°56	17°30	0°38	29°42	28° 6	1°18	T 11
W12	7 26 58	21°52'26	2 [♂] 3	0 ³ 15	12°15	5° 5	13° 0	15°21	14°18	24°57	17°31	0°36	29°39	28°13	1°16	W12
T 13	7 30 54	22°53'33	13°55	1°32	11°44	5°22	13°14	15°27	14°16	24°57	17°33	0°34	29°35	28°20	1°15	T 13
F 14	7 34 51	23°54'41	25°51	2°51	11°14	5°38	13°27	15°33	14°14	24°57	17°35	0°D34	29°32	28°27	1°13	F 14
S 15	7 38 47	24°55'50	7 [♂] 55	4°10	10°46	5°54	13°41	15°39	14°13	24°58	17°36	0°35	29°29	28°33	1°11	S 15
S 16	7 42 44	25°56'58	20°13	5°31	10°20	6° 9	13°55	15°45	14°11	24°58	17°38	0°36	29°26	28°40	1°10	S 16
M17	7 46 41	26°58'06	2 [♂] 49	6°53	9°57	6°23	14° 9	15°51	14° 9	24°58	17°40	0°38	29°23	28°47	1° 8	M17
T 18	7 50 37	27°59'14	15°46	8°16	9°35	6°38	14°22	15°57	14° 8	24°59	17°42	0°39	29°20	28°54	1° 7	T 18
W19	7 54 34	29° 0'22	29° 8	9°40	9°16	6°51	14°36	16° 3	14° 6	24°59	17°43	0°R40	29°16	29° 0	1° 5	W19
T 20	7 58 30	0 [♂] 1	12 ³ 53	11° 5	8°59	7° 4	14°50	16° 8	14° 4	24°59	17°45	0°40	29°13	29° 7	1° 4	T 20
F 21	8 2 27	1° 2'36	27° 2	12°31	8°44	7°17	15° 3	16°14	14° 3	24°59	17°47	0°38	29°10	29°14	1° 3	F 21
S 22	8 6 23	2° 3'43	11 [♂] 28	13°57	8°32	7°29	15°17	16°20	14° 1	25° 0	17°49	0°34	29° 7	29°20	1° 2	S 22
S 23	8 10 20	3° 4'49	26° 8	15°24	8°23	7°41	15°30	16°25	14° 0	25° 0	17°50	0°29	29° 4	29°27	1° 1	S 23
M24	8 14 17	4° 5'55	10 [♂] 53	16°52	8°16	7°52	15°44	16°31	13°59	25° 0	17°52	0°24	29° 0	29°34	0°59	M24
T 25	8 18 13	5° 6'59	25°35	18°21	8°11	8° 2	15°57	16°37	13°57	25° 0	17°54	0°19	28°57	29°41	0°59	T 25
W26	8 22 10	6° 8'03	10°Y 8	19°50	8°D 9	8°12	16°11	16°42	13°56	25°R 0	17°56	0°15	28°54	29°47	0°58	W26
T 27	8 26 6	7° 9'06	24°27	21°20	8° 9	8°21	16°24	16°47	13°55	25° 0	17°58	0°13	28°51	29°54	0°57	T 27
F 28	8 30 3	8°10'07	8 [♂] 31	22°50	8°12	8°30	16°38	16°53	13°54	25° 0	17°59	0°D12	28°48	0 [♂] 1	0°56	F 28
S 29	8 33 59	9°11'08	22°17	24°21	8°17	8°38	16°51	16°58	13°52	25° 0	18° 1	0°13	28°45	0° 8	0°55	S 29
S 30	8 37 56	10°12'08	5 ^{II} 46	25°53	8°24	8°45	17° 4	17° 3	13°51	24°59	18° 3	0°14	28°41	0°14	0°55	S 30
M31	8 41 52	11 [♂] 13'06	19 ^{II} 0	27 ³ 26	8 ³ 34	8 [♂] 52	17 ³ 18	17 [♂] 8	13 ^{II} 50	24 [♂] 59	18 [♂] 5	0 [♂] 15	28 ^{II} 38	0 [♂] 21	0 ^{II} 54	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22s58	11n29	4s 0	20s30	2n26	19s14	2n53	1n44	2n34	22s56	0n 3	20s53	1n36	22n32	0n 1	8s 6
S 2	22 53	16 6	3 4	20 41	2 19	19 3	3 9	1 36	2 35	22 55	0 3	20 54	1 36	22 32	0 1	8 6
M 3	22 48	19 49	1 58	20 53	2 11	18 52	3 24	1 29	2 37	22 54	0 3	20 54	1 36	22 31	0 1	8 7
T 4	22 42	22 25	0 47	21 4	2 3	18 42	3 39	1 22	2 38	22 53	0 3	20 55	1 36	22 31	0 1	8 7
W 5	22 35	23 43	0n26	21 16	1 54	18 32	3 53	1 16	2 39	22 52	0 3	20 56	1 36	22 31	0 1	8 7
T 6	22 28	23 42	1 36	21 28	1 45	18 22	4 8	1 9	2 40	22 51	0 3	20 56	1 36	22 31	0 1	8 7
F 7	22 21	22 27	2 40	21 40	1 37	18 13	4 21	1 3	2 41	22 50	0 3	20 57	1 36	22 31	0 1	8 7
S 8	22 13	20 5	3 35	21 52	1 28	18 4	4 34	0 56	2 43	22 49	0 3	20 58	1 36	22 30	0 1	8 8
S 9	22 5 16	52 4	19 22	2 1	1 19	17 55	4 47	0 50	2 44	22 47	0 3	20 58	1 36	22 30	0 1	8 8
M10	21 56	12 59	4 51	22 13	1 10	17 47	4 58	0 44	2 45	22 46	0 3	20 59	1 36	22 30	0 1	8 8
T 11	21 47	8 38	5 9	22 23	1 1	17 39	5 10	0 38	2 46	22 45	0 2	21 0	1 36	22 30	0 1	8 8
W12	21 38	4 0	5 15	22 31	0 53	17 32	5 20	0 33	2 48	22 44	0 2	21 0	1 36	22 29	0 1	8 8
T 13	21 28	0s46	5 6	22 40	0 44	17 25	5 30	0 27	2 49	22 43	0 2	21 1	1 36	22 29	0 1	8 8
F 14	21 17	5 33	4 45	22 47	0 35	17 18	5 39	0 22	2 50	22 41	0 2	21 2	1 36	22 29	0 1	8 8
S 15	21 7	10 11	4 10	22 53	0 27	17 12	5 47	0 17	2 51	22 40	0 2	21 2	1 36	22 29	0 1	8 8
S 16	20 55	14 30	3 24	22 59	0 19	17 7	5 54	0 12	2 53	22 39	0 2	21 3	1 36	22 29	0 1	8 9
M17	20 44	18 17	2 27	23 3	0 10	17 2	6 1	0 8	2 54	22 37	0 2	21 3	1 36	22 28	0 1	8 9
T 18	20 32	21 18	1 21	23 6	0 2	16 57	6 7	0 3	2 55	22 36	0 2	21 4	1 36	22 28	0 1	8 9
W19	20 20	23 16	0 8	23 8	0s 5	16 53	6 12	0s 1	2 57	22 35	0 2	21 5	1 36	22 28	0 1	8 9
T 20	20 7	23 53	1s 6	23 10	0 13	16 50	6 17	0 5	2 58	22 33	0 2	21 5	1 36	22 28	0 1	8 9
F 21	19 54	23 0	2 19	23 9	0 21	16 47	6 21	0 8	2 59	22 32	0 1	21 6	1 36	22 28	0 1	8 9
S 22	19 40	20 35	3 25	23 8	0 28	16 44	6 24	0 12	3 1	22 30	0 1	21 6	1 37	22 28	0 1	8 9
S 23	19 26	16 49	4 17	23 6	0 35	16 42	6 27	0 15	3 2	22 29	0 1	21 7	1 37	22 27	0 1	8 9
M24	19 12	12 0	4 53	23 2	0 42	16 41	6 29	0 18	3 3	22 27	0 1	21 7	1 37	22 27	0 1	8 9
T 25	18 58	6 30	5 10	22 57	0 49	16 40	6 30	0 21	3 5	22 26	0 1	21 8	1 37	22 27	0 1	8 9
W26	18 43	0 42	5 7	22 51	0 55	16 39	6 31	0 24	3 6	22 24	0 1	21 8	1 37	22 27	0 1	8 9
T 27	18 27	5n 4	4 44	22 44	1 1	16 39	6 31	0 26	3 7	22 23	0 1	21 9	1 37	22 27	0 1	8 9
F 28	18 12	10 27	4 4	22 35	1 7	16 39	6 31	0 28	3 9	22 21	0 1	21 9	1 37	22 27	0 1	8 8
S 29	17 56	15 13	3 12	22 25	1 13	16 39	6 30	0 30	3 10	22 20	0 1	21 9	1 37	22 27	0 1	8 8
S 30	17 40	19 7	2 9	22 14	1 19	16 40	6 29	0 32	3 11	22 18	0 1	21 10	1 37	22 26	0 1	8 8
M31	17s23	21n56	1s 1	22s 1	1s24	16s41	6n27	0s33	3n13	22s17	0n 1	21s10	1n37	22n26	0n 1	8s 8

Julian Day Number = 2554178.5, Delta T = 265.46 sec
Ecliptic obliquity = 23°24'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°40'04, Lahiri = 27°47'05

ASTRODIENST EPHEMERIS for the year 2281

geocentric

FEBRUARY 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 45 49	12 ²⁸ 14'04	2 ²⁸ 1	28 ³⁵ 59	8 ³⁸ 46	8 ⁴⁵ 58	17 ³¹ 31	17 ¹⁷ 13	13 ¹³ R49	24 ²⁴ R59	18 ¹⁸ 7	0 ⁰ R16	28 ²⁸ II35	0 ⁰ 28	0 ⁰ R54	T 1
W 2	8 49 46	13 ¹³ 15'00	14 ¹⁴ 49	0 ⁰ 33	9 ⁹ 0	9 ⁹ 3	17 ¹⁷ 44	17 ¹⁷ 18	13 ¹³ II48	24 ²⁴ 59	18 ¹⁸ 8	0 ⁰ 515	28 ²⁸ 32	0 ⁰ 34	0 ⁰ II53	W 2
T 3	8 53 42	14 ¹⁴ 15'56	27 ²⁷ 26	2 ² 7	9 ⁹ 16	9 ⁹ 8	17 ¹⁷ 57	17 ¹⁷ 23	13 ¹³ 47	24 ²⁴ 59	18 ¹⁸ 10	0 ⁰ 12	28 ²⁸ 29	0 ⁰ 41	0 ⁰ 53	T 3
F 4	8 57 39	15 ¹⁵ 16'50	9 ⁹ 53	3 ³ 42	9 ⁹ 34	9 ⁹ 12	18 ¹⁸ 10	17 ¹⁷ 28	13 ¹³ 46	24 ²⁴ 58	18 ¹⁸ 12	0 ⁰ 6	28 ²⁸ 26	0 ⁰ 48	0 ⁰ 53	F 4
S 5	9 1 35	16 ¹⁶ 17'43	22 ²² 11	5 ⁵ 18	9 ⁹ 54	9 ⁹ 16	18 ¹⁸ 23	17 ¹⁷ 33	13 ¹³ 46	24 ²⁴ 58	18 ¹⁸ 14	29 ²⁹ II58	28 ²⁸ 22	0 ⁰ 55	0 ⁰ 52	S 5
S 6	9 5 32	17 ¹⁷ 18'36	4 ⁴ 21	6 ⁶ 54	10 ¹⁰ 16	9 ⁹ 18	18 ¹⁸ 36	17 ¹⁷ 38	13 ¹³ 45	24 ²⁴ 58	18 ¹⁸ 16	29 ²⁹ 49	28 ²⁸ 19	1 ¹ 1	0 ⁰ 52	S 6
M 7	9 9 28	18 ¹⁸ 19'27	16 ¹⁶ 23	8 ⁸ 32	10 ¹⁰ 40	9 ⁹ 20	18 ¹⁸ 49	17 ¹⁷ 42	13 ¹³ 44	24 ²⁴ 57	18 ¹⁸ 18	29 ²⁹ 40	28 ²⁸ 16	1 ¹ 8	0 ⁰ 52	M 7
T 8	9 13 25	19 ¹⁹ 20'17	28 ²⁸ 19	10 ¹⁰ 9	11 ¹¹ 5	9 ⁹ 22	19 ¹⁹ 2	17 ¹⁷ 47	13 ¹³ 44	24 ²⁴ 57	18 ¹⁸ 19	29 ²⁹ 30	28 ²⁸ 13	1 ¹ 15	0 ⁰ D52	T 8
W 9	9 17 21	20 ²⁰ 21'07	10 ¹⁰ 11	11 ¹¹ 48	11 ¹¹ 33	9 ⁹ R22	19 ¹⁹ 15	17 ¹⁷ 51	13 ¹³ 43	24 ²⁴ 56	18 ¹⁸ 21	29 ²⁹ 22	28 ²⁸ 10	1 ¹ 21	0 ⁰ 52	W 9
T 10	9 21 18	21 ²¹ 21'55	22 ²² 2	13 ¹³ 27	12 ¹² 2	9 ⁹ 22	19 ¹⁹ 28	17 ¹⁷ 56	13 ¹³ 42	24 ²⁴ 56	18 ¹⁸ 23	29 ²⁹ 15	28 ²⁸ 6	1 ¹ 28	0 ⁰ 52	T 10
F 11	9 25 14	22 ²² 22'42	3 ³ 56	15 ¹⁵ 7	12 ¹² 32	9 ⁹ 21	19 ¹⁹ 41	18 ¹⁸ 0	13 ¹³ 42	24 ²⁴ 55	18 ¹⁸ 25	29 ²⁹ 11	28 ²⁸ 3	1 ¹ 35	0 ⁰ 53	F 11
S 12	9 29 11	23 ²³ 23'29	15 ¹⁵ 58	16 ¹⁶ 48	13 ¹³ 4	9 ⁹ 19	19 ¹⁹ 53	18 ¹⁸ 4	13 ¹³ 41	24 ²⁴ 55	18 ¹⁸ 27	29 ²⁹ 9	28 ²⁸ 0	1 ¹ 42	0 ⁰ 53	S 12
S 13	9 33 8	24 ²⁴ 24'15	28 ²⁸ 11	18 ¹⁸ 30	13 ¹³ 38	9 ⁹ 17	20 ²⁰ 6	18 ¹⁸ 8	13 ¹³ 41	24 ²⁴ 54	18 ¹⁸ 28	29 ²⁹ D 8	27 ²⁷ 57	1 ¹ 48	0 ⁰ 53	S 13
M14	9 37 4	25 ²⁵ 24'59	10 ¹⁰ 14	20 ²⁰ 13	14 ¹⁴ 13	9 ⁹ 14	20 ²⁰ 19	18 ¹⁸ 12	13 ¹³ 41	24 ²⁴ 53	18 ¹⁸ 30	29 ²⁹ 9	27 ²⁷ 54	1 ¹ 55	0 ⁰ 54	M14
T 15	9 41 1	26 ²⁶ 25'43	23 ²³ 35	21 ²¹ 56	14 ¹⁴ 49	9 ⁹ 10	20 ²⁰ 31	18 ¹⁸ 16	13 ¹³ 40	24 ²⁴ 53	18 ¹⁸ 32	29 ²⁹ R10	27 ²⁷ 51	2 ² 2	0 ⁰ 54	T 15
W16	9 44 57	27 ²⁷ 26'26	6 ⁶ 54	23 ²³ 40	15 ¹⁵ 26	9 ⁹ 5	20 ²⁰ 44	18 ¹⁸ 20	13 ¹³ 40	24 ²⁴ 52	18 ¹⁸ 34	29 ²⁹ 10	27 ²⁷ 47	2 ² 9	0 ⁰ 55	W16
T 17	9 48 54	28 ²⁸ 27'08	20 ²⁰ 41	25 ²⁵ 25	16 ¹⁶ 5	8 ⁸ 59	20 ²⁰ 56	18 ¹⁸ 24	13 ¹³ 40	24 ²⁴ 51	18 ¹⁸ 36	29 ²⁹ 8	27 ²⁷ 44	2 ² 15	0 ⁰ 55	T 17
F 18	9 52 50	29 ²⁹ 27'48	4 ⁴ 57	27 ²⁷ 11	16 ¹⁶ 45	8 ⁸ 53	21 ²¹ 9	18 ¹⁸ 28	13 ¹³ 40	24 ²⁴ 51	18 ¹⁸ 38	29 ²⁹ 3	27 ²⁷ 41	2 ² 22	0 ⁰ 56	F 18
S 19	9 56 47	0 ⁰ 28'27	19 ¹⁹ 38	28 ²⁸ 57	17 ¹⁷ 26	8 ⁸ 46	21 ²¹ 21	18 ¹⁸ 32	13 ¹³ 40	24 ²⁴ 50	18 ¹⁸ 39	28 ²⁸ 56	27 ²⁷ 38	2 ² 29	0 ⁰ 57	S 19
S 20	10 0 43	1 ¹ 29'05	4 ⁴ 38	0 ⁰ 45	18 ¹⁸ 9	8 ⁸ 38	21 ²¹ 33	18 ¹⁸ 35	13 ¹³ D40	24 ²⁴ 49	18 ¹⁸ 41	28 ²⁸ 47	27 ²⁷ 35	2 ² 35	0 ⁰ 58	S 20
M21	10 4 40	2 ² 29'41	19 ¹⁹ 47	2 ² 33	18 ¹⁸ 52	8 ⁸ 29	21 ²¹ 45	18 ¹⁸ 39	13 ¹³ 40	24 ²⁴ 48	18 ¹⁸ 43	28 ²⁸ 37	27 ²⁷ 32	2 ² 42	0 ⁰ 59	M21
T 22	10 8 37	3 ³ 30'15	4 ⁴ 55	4 ⁴ 22	19 ¹⁹ 36	8 ⁸ 19	21 ²¹ 57	18 ¹⁸ 42	13 ¹³ 40	24 ²⁴ 47	18 ¹⁸ 45	28 ²⁸ 27	27 ²⁷ 28	2 ² 49	1 ¹ 0	T 22
W23	10 12 33	4 ⁴ 30'48	19 ¹⁹ 52	6 ⁶ 12	20 ²⁰ 21	8 ⁸ 9	22 ²² 9	18 ¹⁸ 46	13 ¹³ 40	24 ²⁴ 46	18 ¹⁸ 47	28 ²⁸ 19	27 ²⁷ 25	2 ² 56	1 ¹ 1	W23
T 24	10 16 30	5 ⁵ 31'19	4 ⁴ 30	8 ⁸ 3	21 ²¹ 7	7 ⁷ 58	22 ²² 21	18 ¹⁸ 49	13 ¹³ 40	24 ²⁴ 46	18 ¹⁸ 48	28 ²⁸ 13	27 ²⁷ 22	3 ³ 2	1 ¹ 2	T 24
F 25	10 20 26	6 ⁶ 31'49	18 ¹⁸ 44	9 ⁹ 54	21 ²¹ 55	7 ⁷ 46	22 ²² 33	18 ¹⁸ 52	13 ¹³ 40	24 ²⁴ 45	18 ¹⁸ 50	28 ²⁸ 9	27 ²⁷ 19	3 ³ 9	1 ¹ 3	F 25
S 26	10 24 23	7 ⁷ 32'16	2 ² II34	11 ¹¹ 46	22 ²² 42	7 ⁷ 34	22 ²² 45	18 ¹⁸ 55	13 ¹³ 41	24 ²⁴ 44	18 ¹⁸ 52	28 ²⁸ D 8	27 ²⁷ 16	3 ³ 16	1 ¹ 4	S 26
S 27	10 28 19	8 ⁸ 32'42	16 ¹⁶ 0	13 ¹³ 39	23 ²³ 31	7 ⁷ 20	22 ²² 56	18 ¹⁸ 58	13 ¹³ 41	24 ²⁴ 43	18 ¹⁸ 54	28 ²⁸ 8	27 ²⁷ 12	3 ³ 23	1 ¹ 5	S 27
M28	10 32 16	9 ⁹ 33'06	29 ²⁹ II 4	15 ¹⁵ 32	24 ²⁴ 31	7 ⁷ 16	23 ²³ 8	19 ¹⁹ 1	13 ¹³ II41	24 ²⁴ 42	18 ¹⁸ 55	28 ²⁸ R 8	27 ²⁷ II 9	3 ³ 29	1 ¹ II 7	M28

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s 6	23n33	0n 9	21s47	1s29	16s42	6n25	0s35	3n14	22s15	0n 0	21s11	1n37	22n26	0n 1	8s 8	1n38	22s 2	7s 1	23n24	23n24	4n32	16n 8	4s16			
W 2	16 49	23 52	1 18	21 32	1 34	16 44	6 23	0 36	3 15	22 13	0 0	21 11	1 37	22 26	0 1	8 8	1 38	22 2	7 1	23 24	23 24	4 29	16 8	4 16			
T 3	16 31	22 57	2 22	21 15	1 38	16 45	6 20	0 36	3 16	22 12	0 0	21 11	1 37	22 26	0 1	8 8	1 38	22 1	7 1	23 24	23 24	4 27	16 8	4 15			
F 4	16 14	20 55	3 17	20 57	1 42	16 47	6 17	0 37	3 18	22 10	0 0	21 12	1 37	22 26	0 1	8 8	1 38	22 1	7 1	23 24	23 24	4 24	16 8	4 15			
S 5	15 56	17 55	4 3	20 38	1 46	16 49	6 14	0 37	3 19	22 8	0 0	21 12	1 37	22 26	0 1	8 7	1 38	22 0	7 1	23 24	23 24	4 21	16 8	4 15			
S 6	15 37	14 12	4 37	20 17	1 50	16 51	6 11	0 37	3 20	22 7	0s 0	21 13	1 38	22 26	0 1	8 7	1 39	22 0	7 1	23 24	23 24	4 19	16 9	4 15			
M 7	15 19	9 57	4 58	19 55	1 53	16 53	6 7	0 36	3 22	22 5	0 0	21 13	1 38	22 26	0 1	8 7	1 39	21 59	7 1	23 24	23 23	4 16	16 9	4 15			
T 8	15 0	5 21	5 6	19 32	1 56	16 55	6 3	0 36	3 23	22 3	0 0	21 13	1 38	22 26	0 1	8 7	1 39	21 59	7 1	23 24	23 23	4 13	16 9	4 14			
W 9	14 41	0 35	5 1	19 7	1 58	16 57	5 58	0 35	3 24	22 2	0 0	21 14	1 38	22 26	0 1	8 7	1 39	21 58	7 1	23 24	23 23	4 10	16 9	4 14			
T 10	14 22	4s12	4 43	18 41	2 1	16 59	5 54	0 33	3 25	22 0	0 0	21 14	1 38	22 26	0 1	8 6	1 39	21 58	7 1	23 24	23 23	4 8	16 9	4 14			
F 11	14 2	8 51	4 12	18 13	2 2	17 1	5 49	0 32	3 27	21 58	0 1	21 14	1 38	22 25	0 1	8 6	1 39	21 57	7 1	23 24	23 23	4 5	16 10	4 14			
S 12	13 42	13 14	3 30	17 45	2 4	17 3	5 44	0 30	3 28	21 56	0 1	21 14	1 38	22 25	0 1	8 6	1 39	21 57	7 1	23 24	23 23	4 2	16 10	4 14			
S 13	13 22	17 9	2 38	17 14	2 5	17 5	5 39	0 28	3 29	21 55	0 1	21 15	1 38	22 25	0 1	8 6	1 39	21 56	7 1	23 24	23 23	4 0	16 10	4 13			
M14	13 2	20 25	1 37	16 43	2 6	17 7	5 34	0 26	3 30	21 53	0 1	21 15	1 38	22 25	0 1	8 5	1 39	21 56	7 1	23 24	23 23	3 57	16 11	4 13			
T 15	12 41	22 45	0 30	16 10	2 6	17 8	5 29	0 23	3 31	21 51	0 1	21 15	1 38	22 25	0 1	8 5	1 39	21 55	7 1	23 24	23 23	3 54	16 11	4 13			
W16	12 21	23 55	0s41	15 35	2 6	17 10	5 23	0 20	3 32	21 49	0 1	21 15	1 38	22 25	0 1	8 5	1 39	21 55	7 2	23 24	23 23	3 51	16 11	4 13			
T 17	12 0	23 40	1 52	15 0	2 5	17 11	5 18	0 17	3 33	21 48	0 1	21 16	1 39	22 25	0 1	8 4	1 39	21 54	7 2	23 24	23 23	3 49	16 11	4 13			
F 18	11 39	21 53	2 59	14 23	2 4	17 12	5 12	0 14	3 34	21 46	0 1	21 16	1 39	22 25	0 1	8 4	1 39	21 54	7 2	23 24	23 23	3 46	16 12	4 12			
S 19	11 17	18 38	3 55	13 44	2 3	17 12	5 6	0 10	3 35	21 44	0 1	21 16	1 39	22 25	0 1	8 4	1 39	21 53	7 2	23 24	23 23	3 43	16 12	4 12			
S 20	10 56	14 5	4 37	13 4	2 1	17 13	5 0	0 6	3 36	21 42	0 1	21 16	1 39	22 25	0 1	8 3	1 39	21 53	7 2	23 24	23 23	3 41	16 12	4 12			
M21	10 34	8 38	4 59	12 23	1 58	17 13	4 54	0 2	3 37	21 40	0 1	21 17	1 39	22 25	0 1	8 3	1 39	21 52	7 2	23 24	23 23	3 38	16 13	4 12			
T 22	10 12	2 39	5 1	11 41	1 55	17 13	4 48	0n 3	3 38	21 39	0 2	21 17	1 39	22 25	0 1	8 3	1 39	21 52	7 2	23 24	23 23	3 35	16 13	4 12			
W23	9 50	3n24	4 42	10 57	1 52	17 13	4 42	0 8	3 39	21 37	0 2	21 17	1 39	22 25	0 1	8 2	1 39	21 51	7 2	23 24	23 23	3 32	16 14	4 11			
T 24	9 28	9 9	4 5	10 12	1 48	17 12	4 36	0 13	3 40	21 35	0 2	21 17	1 39	22 25	0 1	8 2	1 39	21 51	7 2	23 23	23 23	3 30	16 14	4 11			
F 25	9 6	14 16	3 13	9 26	1 43	17 11	4 30	0 18	3 41	21 33	0 2	21 17	1 39	22 25	0 1	8 2	1 40	21 50	7 3	23 23	23 23	3 27	16 15	4 11			
S 26	8 44	18 30	2 11	8 39	1 38	17 10	4 23	0 24	3 42	21 31	0 2	21 17	1 39	22 25	0 1	8 1	1 40	21 50	7 3	23 23	23 22	3 24	16 15	4 11			
S 27	8 21	21 36	1 4	7 51	1 32	17 8	4 17	0 29	3 41	21 29	0 2	21 18	1 40	22 25	0 1	8 1	1 40	21 49	7 3	23 23	23 22	3 21	16 15	4 11			
M28	7s59	23n29	0n 5	7s 1	1s26	17s 6	4n11	0n36	3n42	21s28	0s 2	21s18	1n40	22n26	0n 1	8s 0	1n40	21s49	7s 3	23n23	23n22	3n19	16n16	4s10			

ASTRODIENST EPHEMERIS for the year 2281
geocentric

MARCH 2281

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 36 12	10 ^h 33'28"	11 ^h 51'	17 ^h 25'	25 ^h 31'	6 ^h 51'	23 ^h 20'	19 ^h 4'	13 ^h 42'	24 ^h R41	18 ^h 57'	28 ^h R 7	27 ^h II 6	3 ^h 36'	1 ^h II 8	T 1
W 2	10 40 9	11 ^h 33'47"	24 ^h 24'	19 ^h 19'	26 ^h 2'	6 ^h 36'	23 ^h 31'	19 ^h 6'	13 ^h 42'	24 ^h 40'	18 ^h 59'	28 ^h II 5	27 ^h 3'	3 ^h 43'	1 ^h 10'	W 2
T 3	10 44 6	12 ^h 34'05"	6 ^h 45'	21 ^h 12'	26 ^h 54'	6 ^h 20'	23 ^h 42'	19 ^h 9'	13 ^h 43'	24 ^h 38'	19 ^h 0'	27 ^h 59'	27 ^h 0'	3 ^h 49'	1 ^h 11'	T 3
F 4	10 48 2	13 ^h 34'22"	18 ^h 58'	23 ^h 6'	27 ^h 46'	6 ^h 3'	23 ^h 54'	19 ^h 11'	13 ^h 44'	24 ^h 37'	19 ^h 2'	27 ^h 50'	26 ^h 57'	3 ^h 56'	1 ^h 13'	F 4
S 5	10 51 59	14 ^h 34'36"	1 ^h 44'	24 ^h 59'	28 ^h 39'	5 ^h 45'	24 ^h 5'	19 ^h 14'	13 ^h 44'	24 ^h 36'	19 ^h 4'	27 ^h 39'	26 ^h 53'	4 ^h 3'	1 ^h 15'	S 5
S 6	10 55 55	15 ^h 34'48"	13 ^h 4'	26 ^h 51'	29 ^h 33'	5 ^h 27'	24 ^h 16'	19 ^h 16'	13 ^h 45'	24 ^h 35'	19 ^h 5'	27 ^h 25'	26 ^h 50'	4 ^h 10'	1 ^h 16'	S 6
M 7	10 59 52	16 ^h 34'59"	25 ^h 1'	28 ^h 42'	0 ^h 27'	5 ^h 8'	24 ^h 27'	19 ^h 18'	13 ^h 46'	24 ^h 34'	19 ^h 7'	27 ^h 11'	26 ^h 47'	4 ^h 16'	1 ^h 18'	M 7
T 8	11 3 48	17 ^h 35'07"	6 ^h 54'	0 ^h 32'	1 ^h 22'	4 ^h 49'	24 ^h 38'	19 ^h 21'	13 ^h 47'	24 ^h 33'	19 ^h 9'	26 ^h 57'	26 ^h 44'	4 ^h 23'	1 ^h 20'	T 8
W 9	11 7 45	18 ^h 35'15"	18 ^h 46'	2 ^h 20'	2 ^h 17'	4 ^h 29'	24 ^h 49'	19 ^h 23'	13 ^h 47'	24 ^h 31'	19 ^h 10'	26 ^h 44'	26 ^h 41'	4 ^h 30'	1 ^h 22'	W 9
T 10	11 11 41	19 ^h 35'20"	0 ^h 38'	4 ^h 5'	3 ^h 13'	4 ^h 9'	25 ^h 0'	19 ^h 24'	13 ^h 48'	24 ^h 30'	19 ^h 12'	26 ^h 33'	26 ^h 37'	4 ^h 36'	1 ^h 24'	T 10
F 11	11 15 38	20 ^h 35'24"	12 ^h 33'	5 ^h 48'	4 ^h 10'	3 ^h 48'	25 ^h 10'	19 ^h 26'	13 ^h 49'	24 ^h 29'	19 ^h 14'	26 ^h 25'	26 ^h 34'	4 ^h 43'	1 ^h 26'	F 11
S 12	11 19 35	21 ^h 35'26"	24 ^h 35'	7 ^h 28'	5 ^h 7'	3 ^h 27'	25 ^h 21'	19 ^h 28'	13 ^h 50'	24 ^h 27'	19 ^h 15'	26 ^h 20'	26 ^h 31'	4 ^h 50'	1 ^h 28'	S 12
S 13	11 23 31	22 ^h 35'27"	6 ^h 46'	9 ^h 4'	6 ^h 4'	3 ^h 5'	25 ^h 31'	19 ^h 30'	13 ^h 51'	24 ^h 26'	19 ^h 17'	26 ^h 18'	26 ^h 28'	4 ^h 57'	1 ^h 31'	S 13
M14	11 27 28	23 ^h 35'26"	19 ^h 13'	10 ^h 36'	7 ^h 2'	2 ^h 43'	25 ^h 41'	19 ^h 31'	13 ^h 53'	24 ^h 25'	19 ^h 18'	26 ^h 17'	26 ^h 25'	5 ^h 3'	1 ^h 33'	M14
T 15	11 31 24	24 ^h 35'23"	2 ^h 30'	12 ^h 2'	8 ^h 1'	2 ^h 20'	25 ^h 52'	19 ^h 33'	13 ^h 54'	24 ^h 23'	19 ^h 20'	26 ^h 17'	26 ^h 22'	5 ^h 10'	1 ^h 35'	T 15
W16	11 35 21	25 ^h 35'19"	15 ^h 12'	13 ^h 24'	8 ^h 59'	1 ^h 58'	26 ^h 2'	19 ^h 34'	13 ^h 55'	24 ^h 22'	19 ^h 22'	26 ^h 17'	26 ^h 18'	5 ^h 17'	1 ^h 38'	W16
T 17	11 39 17	26 ^h 35'13"	28 ^h 52'	14 ^h 39'	9 ^h 59'	1 ^h 35'	26 ^h 12'	19 ^h 35'	13 ^h 56'	24 ^h 21'	19 ^h 23'	26 ^h 14'	26 ^h 15'	5 ^h 24'	1 ^h 40'	T 17
F 18	11 43 14	27 ^h 35'06"	13 ^h 22'	15 ^h 49'	10 ^h 58'	1 ^h 12'	26 ^h 22'	19 ^h 36'	13 ^h 58'	24 ^h 19'	19 ^h 25'	26 ^h 9'	26 ^h 12'	5 ^h 30'	1 ^h 43'	F 18
S 19	11 47 10	28 ^h 34'57"	27 ^h 40'	16 ^h 51'	11 ^h 58'	0 ^h 48'	26 ^h 32'	19 ^h 38'	13 ^h 59'	24 ^h 18'	19 ^h 26'	26 ^h 1'	26 ^h 9'	5 ^h 37'	1 ^h 45'	S 19
S 20	11 51 7	29 ^h 34'46"	12 ^h 43'	17 ^h 46'	12 ^h 59'	0 ^h 25'	26 ^h 41'	19 ^h 38'	14 ^h 0'	24 ^h 16'	19 ^h 28'	25 ^h 51'	26 ^h 6'	5 ^h 44'	1 ^h 48'	S 20
M21	11 55 4	0 ^h 34'33"	28 ^h 0'	18 ^h 34'	14 ^h 0'	0 ^h 1'	26 ^h 51'	19 ^h 39'	14 ^h 2'	24 ^h 15'	19 ^h 29'	25 ^h 40'	26 ^h 3'	5 ^h 50'	1 ^h 50'	M21
T 22	11 59 0	1 ^h 34'18"	13 ^h 20'	19 ^h 14'	15 ^h 1'	29 ^h 37'	27 ^h 0'	19 ^h 40'	14 ^h 3'	24 ^h 13'	19 ^h 30'	25 ^h 29'	25 ^h 59'	5 ^h 57'	1 ^h 53'	T 22
W23	12 2 57	2 ^h 34'01"	28 ^h 33'	19 ^h 46'	16 ^h 2'	29 ^h 14'	27 ^h 10'	19 ^h 41'	14 ^h 5'	24 ^h 12'	19 ^h 32'	25 ^h 19'	25 ^h 56'	6 ^h 4'	1 ^h 56'	W23
T 24	12 6 53	3 ^h 33'42"	13 ^h 28'	20 ^h 10'	17 ^h 4'	28 ^h 50'	27 ^h 19'	19 ^h 41'	14 ^h 7'	24 ^h 10'	19 ^h 33'	25 ^h 11'	25 ^h 53'	6 ^h 11'	1 ^h 59'	T 24
F 25	12 10 50	4 ^h 33'21"	27 ^h 57'	20 ^h 26'	18 ^h 6'	28 ^h 27'	27 ^h 28'	19 ^h 42'	14 ^h 8'	24 ^h 9'	19 ^h 35'	25 ^h 7'	25 ^h 50'	6 ^h 17'	2 ^h 2'	F 25
S 26	12 14 46	5 ^h 32'57"	11 ^h 58'	20 ^h R33	19 ^h 8'	28 ^h 4'	27 ^h 37'	19 ^h 42'	14 ^h 10'	24 ^h 7'	19 ^h 36'	25 ^h 4'	25 ^h 47'	6 ^h 24'	2 ^h 5'	S 26
S 27	12 18 43	6 ^h 32'32"	25 ^h 31'	20 ^h 33'	20 ^h 11'	27 ^h 40'	27 ^h 46'	19 ^h 42'	14 ^h 12'	24 ^h 6'	19 ^h 37'	25 ^h D 4	25 ^h 43'	6 ^h 31'	2 ^h 8'	S 27
M28	12 22 39	7 ^h 32'04"	8 ^h 38'	20 ^h 24'	21 ^h 14'	27 ^h 18'	27 ^h 55'	19 ^h 42'	14 ^h 14'	24 ^h 4'	19 ^h 39'	25 ^h R 4	25 ^h 40'	6 ^h 37'	2 ^h 11'	M28
T 29	12 26 36	8 ^h 31'33"	21 ^h 22'	20 ^h 9'	22 ^h 17'	26 ^h 55'	28 ^h 3'	19 ^h R42	14 ^h 15'	24 ^h 3'	19 ^h 40'	25 ^h 3'	25 ^h 37'	6 ^h 44'	2 ^h 14'	T 29
W30	12 30 33	9 ^h 31'01"	3 ^h 50'	19 ^h 46'	23 ^h 20'	26 ^h 33'	28 ^h 12'	19 ^h 42'	14 ^h 17'	24 ^h 1'	19 ^h 41'	25 ^h 1'	25 ^h 34'	6 ^h 51'	2 ^h 17'	W30
T 31	12 34 29	10 ^h 30'26"	16 ^h 44'	19 ^h 17'	24 ^h 24'	26 ^h 11'	28 ^h 20'	19 ^h 42'	14 ^h 19'	24 ^h 0'	19 ^h 43'	24 ^h II56	25 ^h II31	6 ^h 58'	2 ^h II20	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
T 1	7s36	24n 4	1n12	6s11	1s19	17s 4	4n 4	0n42	3n43	21s26	0s 2	21s18	1n40	22n26	0n 1	8s 0	1n40	21s49	7s 3	23n23	23n22	3n16	16n16	4s10							
W 2	7 13	23 25	2 14	5 19	1 12	17 1	3 58	0 48	3 43	21 24	0 2	21 18	1 40	22 26	0 1	7 59	1 40	21 48	7 3	23 23	23 22	3 13	16 17	4 10							
T 3	6 50	21 36	3 9	4 27	1 3	16 58	3 51	0 55	3 44	21 22	0 3	21 18	1 40	22 26	0 1	7 59	1 40	21 48	7 3	23 23	23 22	3 10	16 17	4 10							
F 4	6 27	18 50	3 54	3 34	0 55	16 54	3 45	1 2	3 44	21 20	0 3	21 18	1 40	22 26	0 1	7 59	1 40	21 47	7 4	23 23	23 22	3 8	16 18	4 10							
S 5	6 4	15 16	4 29	2 41	0 45	16 50	3 38	1 9	3 44	21 18	0 3	21 18	1 40	22 26	0 1	7 58	1 40	21 47	7 4	23 23	23 22	3 5	16 18	4 9							
S 6	5 41	11 7	4 50	1 47	0 35	16 46	3 32	1 16	3 44	21 17	0 3	21 18	1 40	22 26	0 1	7 58	1 40	21 47	7 4	23 23	23 22	3 2	16 19	4 9							
M 7	5 17	6 33	4 59	0 54	0 25	16 41	3 25	1 24	3 45	21 15	0 3	21 18	1 40	22 26	0 1	7 57	1 40	21 46	7 4	23 22	23 22	2 59	16 19	4 9							
T 8	4 54	1 47	4 55	0n 0	0 14	16 35	3 19	1 32	3 45	21 13	0 3	21 18	1 40	22 26	0 1	7 57	1 40	21 46	7 4	23 22	23 22	2 57	16 20	4 9							
W 9	4 30	3s 3	4 38	0 54	0 2	16 30	3 12	1 39	3 44	21 11	0 3	21 18	1 41	22 26	0 1	7 56	1 40	21 45	7 4	23 22	23 22	2 54	16 21	4 9							
T 10	4 7	7 47	4 9	1 47	0n10	16 23	3 6	1 47	3 44	21 9	0 3	21 18	1 41	22 26	0 1	7 56	1 40	21 45	7 4	23 21	23 22	2 51	16 21	4 9							
F 11	3 43	12 16	3 29	2 39	0 23	16 17	3 0	1 55	3 44	21 7	0 3	21 18	1 41	22 27	0 1	7 55	1 40	21 45	7 5	23 21	23 22	2 48	16 22	4 8							
S 12	3 20	16 19	2 39	3 30	0 36	16 10	2 53	2 3	3 44	21 6	0 3	21 19	1 41	22 27	0 1	7 55	1 40	21 44	7 5	23 21	23 21	2 46	16 22	4 8							
S 13	2 56	19 45	1 41	4 20	0 49	16 2	2 47	2 12	3 43	21 4	0 4	21 19	1 41	22 27	0 1	7 54	1 40	21 44	7 5	23 21	23 21	2 43	16 23	4 8							
M14	2 32	22 21	0 37	5 8	1 2	15 54	2 40	2 20	3 43	21 2	0 4	21 19	1 41	22 27	0 1	7 54	1 40	21 44	7 5	23 21	23 21	2 40	16 24	4 8							
T 15	2 9	23 53	0s30	5 54	1 15	15 46	2 34	2 28	3 42	21 0	0 4	21 19	1 41	22 27	0 1	7 53	1 40	21 43	7 5	23 21	23 21	2 37	16 24	4 8							
W16	1 45	24 10	1 38	6 39	1 29	15 37	2 27	2 37	3 41	20 58	0 4	21 19	1 41	22 27	0 1	7 53	1 40	21 43	7 5	23 21	23 21	2 34	16 25	4 7							
T 17	1 21	23 1	2 43	7 20	1 42	15 27	2 21	2 45	3 41	20 57	0 4	21 19	1 42	22 27	0 1	7 52	1 40	21 43	7 6	23 21	23 21	2 32	16 25	4 7							
F 18	0 58	20 23	3 40	7 59	1 55	15 17	2 15	2 53	3 40	20 55	0 4	21 19	1 42	22 28	0 1	7 52	1 40	21 42	7 6	23 21	23 21	2 29	16 26	4 7							
S 19	0 34	16 24	4 25	8 34	2 7	15 7	2 9	3 2	3 39	20 53	0 4	21 18	1 42	22 28	0 1	7 51	1 40	21 42	7 6	23 21	23 21	2 26	16 27	4 7							
S 20	0 10	11 17	4 52	9 7	2 20	14 56	2 2	3 10	3 38	20 51	0 4	21 18	1 42	22 28	0 1	7 50	1 40	21 42	7 6	23 20	23 21	2 23	16 27	4 7							
M21	0n14	5 23	5 0	9 36	2 31	14 45	1 56	3 18	3 37	20 50	0 5	21 18	1 42	22 28	0 1	7 50	1 40	21 41	7 6	23 20	23 21	2 21	16 28	4 7							
T 22	0 37	0n52	4 46	10 1	2 42	14 33	1 50	3 27	3 35	20 48	0 5	21 18	1 42	22 28	0 1	7 49	1 40	21 41	7 7	23 20	23 21	2 18	16 29	4 7							
W23	1 1	7 1	4 12	10 22	2 52	14 21	1 44	3 35	3 34	20 46	0 5	21 18	1 42	22 29	0 1	7 49	1 41	21 41	7 7	23 19	23 20	2 15	16 29	4 6							
T 24	1 25	12 40	3 21	10 39	3 0	14 8	1 38	3 43	3 33	20 45	0 5	21 18	1 42	22 29	0 1	7 48	1 41	21 41	7 7	23 19	23 20	2 12	16 30	4 6							
F 25	1 48	17 26	2 18	10 52	3 8	13 55	1 32	3 51	3 31	20 43	0 5	21 18	1 42	22 29	0 1	7 48	1 41	21 40	7 7	23 19	23 20	2 9	16 31	4 6							
S 26	2 12	21 3	1 9	11 1	3 14	13 42	1 26	3 59	3 30	20 41	0 5	21 18	1 43	22 29	0 1	7 47	1 41	21 40	7 7	23 19	23 20	2 7	16 32	4 6							
S 27	2 36	23 22	0n 2	11 5	3 19	13 28	1 20	4 6	3 28	20 40	0 5	21 18	1 43	22 29	0 1	7 46	1 41	21 40	7 8	23 19	23 20	2 4	16 32	4 6							
M28	2 59	24 18	1 11	11 6	3 23	13 13	1 15	4 14	3 26	20 38	0 5	21 18	1 43	22 30	0 1	7 46	1 41	21 40	7 8	23 19	23 20	2 1	16 33	4 6							
T 29	3 23	23 55	2 14	11 1	3 25	12 59	1 9	4 21	3 24	20 37	0 5	21 18	1 43	22 30	0 1	7 45	1 41	21 39	7 8	23 19	23 20	1 58	16 34	4 5							
W30	3 46	22 20	3 10	10 53	3 25	12 43	1 3	4 28	3 23	20 35	0 6	21 18	1 43	22 30	0 1	7 45	1 41	21 39	7 8	23 19	23 20	1 55	16 35	4 5							
T 31	4n 9	19n44	3n55	10n40	3n23	12s28	0n58	4n35	3n21	20s33	0s 6	21s18	1n43	22n30	0n 1	7s44	1n41	21s39	7s 8	23n18	23n20	1n53	16n35	4s 5							

ASTRODIENST EPHEMERIS for the year 2281

geocentric

APRIL 2281

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 38 26	11°29'49"	28°08'	18°R42	25°28'	25°R50	28°32'	19°R42	14°21'	23°R58	19°44'	24°R48	25°28'	7°45'	2°22'	F 1
S 2	12 42 22	12°29'09"	10°06'	18°Y 2	26°32'	25°29'	28°36'	19°42'	14°23'	23°56'	19°45'	24°38'	25°24'	7°11'	2°27'	S 2
S 3	12 46 19	13°28'28"	22° 0'	17°19'	27°36'	25° 8'	28°44'	19°41'	14°25'	23°55'	19°46'	24°26'	25°21'	7°18'	2°30'	S 3
M 4	12 50 15	14°27'44"	3°53'	16°32'	28°41'	24°48'	28°52'	19°41'	14°27'	23°53'	19°48'	24°13'	25°18'	7°24'	2°33'	M 4
T 5	12 54 12	15°26'58"	15°45'	15°43'	29°46'	24°29'	29° 0'	19°40'	14°30'	23°52'	19°49'	23°59'	25°15'	7°31'	2°37'	T 5
W 6	12 58 8	16°26'10"	27°39'	14°53'	0°51'	24°10'	29° 7'	19°39'	14°32'	23°50'	19°50'	23°47'	25°12'	7°38'	2°40'	W 6
T 7	13 2 5	17°25'20"	9°35'	14° 4'	1°56'	23°51'	29°15'	19°38'	14°34'	23°48'	19°51'	23°38'	25° 9'	7°45'	2°44'	T 7
F 8	13 6 1	18°24'29"	21°36'	13°15'	3° 1'	23°34'	29°22'	19°37'	14°36'	23°47'	19°52'	23°30'	25° 5'	7°51'	2°47'	F 8
S 9	13 9 58	19°23'35"	3°43'	12°28'	4° 7'	23°16'	29°29'	19°36'	14°39'	23°45'	19°53'	23°26'	25° 2'	7°58'	2°51'	S 9
S 10	13 13 55	20°22'40"	16° 0'	11°43'	5°13'	23° 0'	29°36'	19°35'	14°41'	23°43'	19°54'	23°24'	24°59'	8° 5'	2°54'	S 10
M 11	13 17 51	21°21'43"	28°30'	11° 2'	6°19'	22°44'	29°43'	19°34'	14°43'	23°42'	19°55'	23°D24	24°56'	8°12'	2°58'	M 11
T 12	13 21 48	22°20'44"	11°31'	10°25'	7°25'	22°29'	29°49'	19°33'	14°46'	23°40'	19°56'	23°25'	24°53'	8°18'	3° 2'	T 12
W 13	13 25 44	23°19'43"	24°25'	9°53'	8°31'	22°15'	29°56'	19°31'	14°48'	23°38'	19°57'	23°R25	24°49'	8°25'	3° 5'	W 13
T 14	13 29 41	24°18'41"	7°57'	9°25'	9°38'	22° 1'	0°22'	19°30'	14°51'	23°37'	19°58'	23°24'	24°46'	8°32'	3° 9'	T 14
F 15	13 33 37	25°17'37"	21°57'	9° 2'	10°45'	21°48'	0° 9'	19°28'	14°53'	23°35'	19°59'	23°21'	24°43'	8°38'	3°13'	F 15
S 16	13 37 34	26°16'31"	6°22'	8°45'	11°51'	21°36'	0°15'	19°26'	14°56'	23°33'	20° 0'	23°16'	24°40'	8°45'	3°17'	S 16
S 17	13 41 30	27°15'24"	21°12'	8°33'	12°58'	21°25'	0°20'	19°25'	14°58'	23°32'	20° 1'	23° 9'	24°37'	8°52'	3°21'	S 17
M 18	13 45 27	28°14'14"	6°18'	8°26'	14° 5'	21°14'	0°26'	19°23'	15° 1'	23°30'	20° 2'	23° 1'	24°34'	8°59'	3°25'	M 18
T 19	13 49 24	29°13'03"	21°32'	8°D24	15°13'	21° 4'	0°32'	19°21'	15° 4'	23°29'	20° 3'	22°53'	24°30'	9° 5'	3°29'	T 19
W 20	13 53 20	0°11'50"	6°24'	8°28'	16°20'	20°55'	0°37'	19°19'	15° 6'	23°27'	20° 4'	22°45'	24°27'	9°12'	3°33'	W 20
T 21	13 57 17	1°10'35"	21°42'	8°37'	17°28'	20°47'	0°42'	19°17'	15° 9'	23°25'	20° 4'	22°40'	24°24'	9°19'	3°37'	T 21
F 22	14 1 13	2° 9'18"	6°18'	8°51'	18°35'	20°40'	0°47'	19°14'	15°12'	23°24'	20° 5'	22°36'	24°21'	9°25'	3°41'	F 22
S 23	14 5 10	3° 7'59"	20°29'	9° 9'	19°43'	20°33'	0°52'	19°12'	15°15'	23°22'	20° 6'	22°D35	24°18'	9°32'	3°45'	S 23
S 24	14 9 6	4° 6'37"	4°10'	9°32'	20°51'	20°27'	0°57'	19°10'	15°18'	23°20'	20° 7'	22°36'	24°14'	9°39'	3°49'	S 24
M 25	14 13 3	5° 5'14"	17°25'	10° 0'	21°59'	20°22'	1° 2'	19° 7'	15°20'	23°19'	20° 7'	22°37'	24°11'	9°46'	3°53'	M 25
T 26	14 16 59	6° 3'48"	0°14'	10°31'	23° 7'	20°18'	1° 6'	19° 5'	15°23'	23°17'	20° 8'	22°R38	24° 8'	9°52'	3°57'	T 26
W 27	14 20 56	7° 2'20"	12°44'	11° 7'	24°15'	20°15'	1°10'	19° 2'	15°26'	23°16'	20° 9'	22°38'	24° 5'	9°59'	4° 1'	W 27
T 28	14 24 53	8° 0'50"	24°58'	11°47'	25°23'	20°12'	1°14'	18°59'	15°29'	23°14'	20° 9'	22°36'	24° 2'	10° 6'	4° 6'	T 28
F 29	14 28 49	8°59'18"	7°00'	12°30'	26°32'	20°10'	1°18'	18°56'	15°32'	23°12'	20°10'	22°33'	23°59'	10°12'	4°10'	F 29
S 30	14 32 46	9°57'43"	18°56'	13°Y17	27°40'	20°09'	1°22'	18°54'	15°35'	23°11'	20°11'	22°27'	23°55'	10°19'	4°14'	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n32	16n19	4n29	10n24	3n20	12s12	0n52	4n42	3n19	20s32	0s 6	21s17	1n43	22n31	0n 1	F 1
S 2	4 56	12 16	4 51	10 4	3 15	11 55	0 47	4 48	3 17	20 30	0 6	21 17	1 43	22 31	0 1	S 2
S 3	5 19	7 46	5 1	9 41	3 8	11 39	0 41	4 54	3 14	20 29	0 6	21 17	1 43	22 31	0 1	S 3
M 4	5 42	3 0	4 57	9 15	3 0	11 21	0 36	5 0	3 12	20 27	0 6	21 17	1 43	22 31	0 1	M 4
T 5	6 4	1s53	4 40	8 47	2 50	11 4	0 31	5 6	3 10	20 26	0 6	21 17	1 44	22 32	0 1	T 5
W 6	6 27	6 43	4 11	8 17	2 38	10 46	0 25	5 11	3 8	20 25	0 6	21 17	1 44	22 32	0 1	W 6
T 7	6 50	11 20	3 31	7 46	2 25	10 27	0 20	5 16	3 5	20 23	0 7	21 16	1 44	22 32	0 1	T 7
F 8	7 12	15 33	2 41	7 15	2 12	10 9	0 15	5 21	3 3	20 22	0 7	21 16	1 44	22 32	0 1	F 8
S 9	7 35	19 11	1 43	6 43	1 57	9 50	0 10	5 26	3 1	20 20	0 7	21 16	1 44	22 33	0 1	S 9
S 10	7 57	22 1	0 39	6 11	1 41	9 30	0 5	5 30	2 58	20 19	0 7	21 16	1 44	22 33	0 1	S 10
M 11	8 19	23 51	0s27	5 40	1 25	9 10	0 1	5 34	2 56	20 18	0 7	21 16	1 44	22 33	0 1	M 11
T 12	8 41	24 29	1 34	5 11	1 9	8 50	0s 4	5 38	2 53	20 16	0 7	21 16	1 44	22 33	0 1	T 12
W 13	9 3	23 47	2 38	4 43	0 53	8 30	0 9	5 41	2 51	20 15	0 7	21 15	1 44	22 34	0 1	W 13
T 14	9 25	21 42	3 35	4 17	0 36	8 9	0 13	5 44	2 48	20 14	0 8	21 15	1 44	22 34	0 1	T 14
F 15	9 46	18 17	4 21	3 53	0 20	7 48	0 18	5 47	2 45	20 13	0 8	21 15	1 45	22 34	0 1	F 15
S 16	10 8	13 41	4 52	3 32	0 4	7 27	0 22	5 49	2 43	20 12	0 8	21 15	1 45	22 35	0 1	S 16
S 17	10 29	8 9	5 5	3 13	0s11	7 5	0 26	5 51	2 40	20 11	0 8	21 14	1 45	22 35	0 1	S 17
M 18	10 50	2 3	4 57	2 56	0 26	6 43	0 30	5 53	2 38	20 9	0 8	21 14	1 45	22 35	0 1	M 18
T 19	11 11	4n14	4 28	2 42	0 41	6 21	0 35	5 54	2 35	20 8	0 8	21 14	1 45	22 35	0 1	T 19
W 20	11 31	10 16	3 41	2 31	0 55	5 59	0 39	5 56	2 32	20 7	0 8	21 14	1 45	22 36	0 1	W 20
T 21	11 52	15 37	2 38	2 22	1 8	5 36	0 42	5 56	2 30	20 6	0 8	21 14	1 45	22 36	0 1	T 21
F 22	12 12	19 55	1 26	2 16	1 20	5 13	0 46	5 57	2 27	20 5	0 9	21 13	1 45	22 36	0 1	F 22
S 23	12 32	22 52	0 11	2 13	1 32	4 50	0 50	5 57	2 24	20 5	0 9	21 13	1 45	22 37	0 1	S 23
S 24	12 52	24 22	1n 2	2 12	1 43	4 27	0 54	5 57	2 22	20 4	0 9	21 13	1 45	22 37	0 1	S 24
M 25	13 12	24 25	2 10	2 13	1 53	4 3	0 57	5 57	2 19	20 3	0 9	21 12	1 45	22 37	0 1	M 25
T 26	13 31	23 9	3 9	2 17	2 3	3 39	1 1	5 56	2 17	20 2	0 9	21 12	1 45	22 38	0 2	T 26
W 27	13 51	20 45	3 57	2 23	2 12	3 15	1 4	5 55	2 14	20 1	0 9	21 12	1 45	22 38	0 2	W 27
T 28	14 10	17 29	4 34	2 31	2 20	2 51	1 7	5 53	2 11	20 0	0 9	21 12	1 46	22 38	0 2	T 28
F 29	14 28	13 32	4 57	2 41	2 27	2 27	1 10	5 52	2 9	20 0	0 10	21 11	1 46	22 39	0 2	F 29
S 30	14n47	9n 6	5n 8	2n53	2s33	2s 3	1s13	5n50	2n 6	19s59	0s10	21s11	1n46	22n39	0n 2	S 30

Julian Day Number = 2554268.5, Delta T = 265.84 sec

Ecliptic obliquity = 23°24'11", Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°40'17, Lahiri = 27°47'17

ASTRODIENST EPHEMERIS for the year 2281

geocentric

MAY 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 36 42	10♌56'07	0♌48	14♌8	28♌49	20°D 9	1♌26	18°R51	15♌38	23°R 9	20♌11	22°R21	23♌52	10♌26	4♌18	S 1
M 2	14 40 39	11°54'28	12°39	15° 1	29°57	20♌9	1°29	18♌48	15°41	23♌8	20°12	22♌13	23°49	10°33	4°23	M 2
T 3	14 44 35	12°52'48	24°33	15°58	1°Y 6	20°10	1°32	18°44	15°44	23° 6	20°12	22° 6	23°46	10°39	4°27	T 3
W 4	14 48 32	13°51'06	6♌31	16°58	2°15	20°12	1°35	18°41	15°47	23° 5	20°13	21°59	23°43	10°46	4°31	W 4
T 5	14 52 28	14°49'22	18°34	18° 0	3°24	20°14	1°38	18°38	15°51	23° 3	20°13	21°53	23°40	10°53	4°36	T 5
F 6	14 56 25	15°47'36	0♌45	19° 5	4°33	20°18	1°41	18°35	15°54	23° 2	20°13	21°50	23°36	10°59	4°40	F 6
S 7	15 0 22	16°45'49	13° 5	20°13	5°42	20°22	1°43	18°31	15°57	23° 0	20°14	21°48	23°33	11° 6	4°45	S 7
S 8	15 4 18	17°44'00	25°34	21°24	6°51	20°26	1°45	18°28	16° 0	22°59	20°14	21°D48	23°30	11°13	4°49	S 8
M 9	15 8 15	18°42'09	8♌17	22°37	8° 0	20°32	1°47	18°24	16° 3	22°57	20°15	21°48	23°27	11°20	4°54	M 9
T 10	15 12 11	19°40'17	21°13	23°52	9°10	20°38	1°49	18°21	16° 7	22°56	20°15	21°50	23°24	11°26	4°58	T 10
W11	15 16 8	20°38'24	4♌27	25°10	10°19	20°44	1°51	18°17	16°10	22°54	20°15	21°51	23°20	11°33	5° 2	W11
T 12	15 20 4	21°36'29	17°59	26°30	11°29	20°51	1°53	18°14	16°13	22°53	20°15	21°R52	23°17	11°40	5° 7	T 12
F 13	15 24 1	22°34'33	1♌52	27°53	12°38	20°59	1°54	18°10	16°16	22°52	20°16	21°52	23°14	11°46	5°11	F 13
S 14	15 27 57	23°32'36	16° 5	29°17	13°48	21° 8	1°55	18° 6	16°20	22°50	20°16	21°50	23°11	11°53	5°16	S 14
S 15	15 31 54	24°30'37	0♌37	0♌44	14°58	21°17	1°56	18° 2	16°23	22°49	20°16	21°48	23° 8	12° 0	5°21	S 15
M16	15 35 51	25°28'37	15°22	2°13	16° 7	21°27	1°57	17°58	16°26	22°48	20°16	21°44	23° 5	12° 7	5°25	M16
T 17	15 39 47	26°26'35	0♌16	3°44	17°17	21°37	1°57	17°54	16°30	22°46	20°16	21°41	23° 1	12°13	5°30	T 17
W18	15 43 44	27°24'32	15° 9	5°17	18°27	21°48	1°58	17°50	16°33	22°45	20°16	21°38	22°58	12°20	5°34	W18
T 19	15 47 40	28°22'28	29°54	6°53	19°37	22° 0	1°58	17°46	16°37	22°44	20°16	21°36	22°55	12°27	5°39	T 19
F 20	15 51 37	29°20'22	14♌23	8°30	20°47	22°12	1°R58	17°42	16°40	22°42	20°17	21°34	22°52	12°33	5°43	F 20
S 21	15 55 33	0♌18'15	28°32	10°10	21°57	22°24	1°58	17°38	16°43	22°41	20°R17	21°D34	22°49	12°40	5°48	S 21
S 22	15 59 30	1°16'06	12♌16	11°52	23° 7	22°38	1°57	17°34	16°47	22°40	20°17	21°35	22°46	12°47	5°53	S 22
M23	16 3 26	2°13'56	25°34	13°35	24°18	22°51	1°57	17°30	16°50	22°39	20°16	21°37	22°42	12°54	5°57	M23
T 24	16 7 23	3°11'44	8♌29	15°21	25°28	23° 6	1°56	17°26	16°54	22°38	20°16	21°38	22°39	13° 0	6° 2	T 24
W25	16 11 20	4° 9'30	21° 3	17° 9	26°38	23°20	1°55	17°21	16°57	22°37	20°16	21°39	22°36	13° 7	6° 6	W25
T 26	16 15 16	5° 7'15	3♌20	18°59	27°49	23°36	1°54	17°17	17° 1	22°35	20°16	21°R40	22°33	13°14	6°11	T 26
F 27	16 19 13	6° 4'58	15°25	20°51	28°59	23°52	1°53	17°13	17° 4	22°34	20°16	21°39	22°30	13°21	6°16	F 27
S 28	16 23 9	7° 2'39	27°21	22°46	0♌ 9	24° 8	1°51	17° 8	17° 8	22°33	20°16	21°38	22°26	13°27	6°20	S 28
S 29	16 27 6	8° 0'19	9♌13	24°42	1°20	24°25	1°50	17° 4	17°11	22°32	20°16	21°37	22°23	13°34	6°25	S 29
M30	16 31 2	8°57'57	21° 6	26°40	2°30	24°42	1°48	17° 0	17°15	22°31	20°15	21°35	22°20	13°41	6°29	M30
T 31	16 34 59	9♌55'34	3♌ 2	28♌40	3♌41	24♌59	1♌46	16♌55	17♌18	22♌30	20♌15	21♌33	22♌17	13♌47	6♌34	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	15n 5	4n21	5n 5	3n 7	2s39	1s38	1s16	5n48	2n 4	19s58	0s10	21s11	1n46	22n39	0n 2	7s25
M 2	15 23	0s33	4 49	3 23	2 44	1 14	1 19	5 45	2 1	19 58	0 10	21 10	1 46	22 40	0 2	7 25
T 3	15 41	5 27	4 21	3 40	2 49	0 49	1 22	5 43	1 59	19 57	0 10	21 10	1 46	22 40	0 2	7 24
W 4	15 58	10 11	3 41	4 0	2 53	0 24	1 24	5 40	1 56	19 57	0 10	21 10	1 46	22 40	0 2	7 24
T 5	16 16	14 35	2 51	4 21	2 56	0n 1	1 27	5 36	1 54	19 56	0 11	21 10	1 46	22 41	0 2	7 23
F 6	16 33	18 27	1 52	4 43	2 58	0 26	1 29	5 33	1 51	19 56	0 11	21 9	1 46	22 41	0 2	7 23
S 7	16 49	21 33	0 47	5 7	3 0	0 51	1 32	5 29	1 49	19 55	0 11	21 9	1 46	22 41	0 2	7 22
S 8	17 6	23 40	0s21	5 32	3 1	1 17	1 34	5 25	1 47	19 55	0 11	21 9	1 46	22 42	0 2	7 22
M 9	17 22	24 37	1 29	5 59	3 1	1 42	1 36	5 21	1 44	19 55	0 11	21 8	1 46	22 42	0 2	7 21
T 10	17 38	24 16	2 34	6 26	3 1	2 7	1 38	5 16	1 42	19 54	0 11	21 8	1 46	22 42	0 2	7 21
W11	17 53	22 33	3 32	6 55	3 0	2 33	1 40	5 11	1 39	19 54	0 11	21 8	1 46	22 43	0 2	7 20
T 12	18 8	19 32	4 20	7 25	2 59	2 58	1 42	5 6	1 37	19 54	0 12	21 7	1 46	22 43	0 2	7 20
F 13	18 23	15 22	4 54	7 57	2 57	3 24	1 44	5 1	1 35	19 54	0 12	21 7	1 46	22 43	0 2	7 19
S 14	18 38	10 16	5 12	8 29	2 55	3 49	1 45	4 56	1 33	19 54	0 12	21 7	1 46	22 44	0 2	7 19
S 15	18 52	4 29	5 9	9 2	2 51	4 15	1 47	4 50	1 30	19 54	0 12	21 6	1 46	22 44	0 2	7 18
M16	19 6	1n38	4 47	9 36	2 48	4 40	1 48	4 44	1 28	19 54	0 12	21 6	1 46	22 44	0 2	7 18
T 17	19 20	7 43	4 5	10 11	2 44	5 5	1 50	4 38	1 26	19 54	0 12	21 5	1 46	22 45	0 2	7 17
W18	19 33	13 22	3 7	10 46	2 39	5 31	1 51	4 32	1 24	19 54	0 13	21 5	1 46	22 45	0 2	7 17
T 19	19 46	18 12	1 56	11 22	2 33	5 56	1 52	4 25	1 22	19 54	0 13	21 5	1 46	22 46	0 2	7 16
F 20	19 59	21 50	0 39	11 59	2 28	6 21	1 53	4 19	1 20	19 54	0 13	21 4	1 46	22 46	0 2	7 16
S 21	20 11	24 2	0n38	12 36	2 21	6 47	1 54	4 12	1 17	19 54	0 13	21 4	1 46	22 46	0 2	7 16
S 22	20 23	24 41	1 52	13 14	2 15	7 12	1 55	4 5	1 15	19 55	0 13	21 4	1 46	22 47	0 2	7 15
M23	20 35	23 53	2 57	13 52	2 7	7 37	1 56	3 57	1 13	19 55	0 13	21 3	1 46	22 47	0 2	7 15
T 24	20 46	21 49	3 51	14 31	1 59	8 2	1 56	3 50	1 11	19 55	0 14	21 3	1 46	22 47	0 2	7 14
W25	20 57	18 45	4 32	15 9	1 51	8 26	1 57	3 42	1 9	19 56	0 14	21 2	1 46	22 48	0 2	7 14
T 26	21 7	14 55	5 0	15 48	1 43	8 51	1 57	3 34	1 7	19 56	0 14	21 2	1 46	22 48	0 2	7 14
F 27	21 17	10 34	5 14	16 26	1 34	9 16	1 58	3 26	1 5	19 56	0 14	21 2	1 46	22 48	0 2	7 13
S 28	21 27	5 51	5 14	17 4	1 24	9 40	1 58	3 18	1 4	19 57	0 14	21 1	1 46	22 49	0 2	7 13
S 29	21 37	0 58	5 1	17 42	1 15	10 4	1 58	3 10	1 2	19 57	0 14	21 1	1 46	22 49	0 2	7 12
M30	21 46	3s58	4 35	18 20	1 5	10 28	1 58	3 1	1 0	19 58	0 15	21 1	1 46	22 49	0 2	7 12
T 31	21n54	8s47	3n57	18n57	0s55	10n52	1s58	2n52	0n58	19s59	0s15	21s 0	1n46	22n50	0n 2	7s12

Julian Day Number = 2554298.5, Delta T = 265.97 sec
 Ecliptic obliquity = 23°24'11, Nutation = - 0°00'18, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°40'21, Lahiri = 27°47'21

ASTRODIENST EPHEMERIS for the year 2281
geocentric

JUNE 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 38 55	10♏53'10	15♏ 5	0♏43	4♏52	25♏18	1°R43	16°R51	17♏22	22°R29	20°R15	21°R32	22♏14	13♏54	6♏39	W 1
T 2	16 42 52	11°50'44	27°18	2°47	6° 2	25°36	1♏41	16♏47	17°25	22♏28	20♏15	21♏31	22°11	14° 1	6°43	T 2
F 3	16 46 49	12°48'18	9♏14	4°52	7°13	25°55	1°38	16°42	17°29	22°27	20°14	21°30	22° 7	14° 7	6°48	F 3
S 4	16 50 45	13°45'50	22°17	6°59	8°24	26°14	1°36	16°38	17°32	22°26	20°14	21°D30	22° 4	14°14	6°52	S 4
S 5	16 54 42	14°43'21	5♏ 6	9° 8	9°35	26°34	1°33	16°33	17°36	22°26	20°14	21°30	22° 1	14°21	6°57	S 5
M 6	16 58 38	15°40'51	18° 8	11°18	10°45	26°54	1°29	16°29	17°39	22°25	20°13	21°31	21°58	14°28	7° 2	M 6
T 7	17 2 35	16°38'21	1♏24	13°28	11°56	27°15	1°26	16°24	17°43	22°24	20°13	21°31	21°55	14°34	7° 6	T 7
W 8	17 6 31	17°35'49	14°54	15°40	13° 7	27°36	1°23	16°20	17°46	22°23	20°12	21°31	21°52	14°41	7°11	W 8
T 9	17 10 28	18°33'17	28°37	17°52	14°18	27°57	1°19	16°16	17°50	22°22	20°12	21°32	21°48	14°48	7°15	T 9
F 10	17 14 24	19°30'44	12♏33	20° 4	15°29	28°19	1°15	16°11	17°54	22°22	20°11	21°32	21°45	14°54	7°20	F 10
S 11	17 18 21	20°28'10	26°41	22°16	16°40	28°41	1°11	16° 7	17°57	22°21	20°11	21°R32	21°42	15° 1	7°24	S 11
S 12	17 22 18	21°25'36	10♏59	24°28	17°51	29° 3	1° 7	16° 2	18° 1	22°20	20°10	21°D32	21°39	15° 8	7°29	S 12
M13	17 26 14	22°23'01	25°24	26°39	19° 3	29°26	1° 3	15°58	18° 4	22°20	20°10	21°32	21°36	15°15	7°33	M13
T 14	17 30 11	23°20'26	9♏52	28°49	20°14	29°49	0°58	15°53	18° 8	22°19	20° 9	21°32	21°32	15°21	7°38	T 14
W15	17 34 7	24°17'50	24°19	0♏58	21°25	0♏12	0°53	15°49	18°11	22°18	20° 9	21°32	21°29	15°28	7°42	W15
T 16	17 38 4	25°15'13	8♏39	3° 6	22°36	0°36	0°49	15°45	18°15	22°18	20° 8	21°32	21°26	15°35	7°47	T 16
F 17	17 42 0	26°12'36	22°49	5°13	23°48	1° 0	0°44	15°40	18°18	22°17	20° 7	21°R33	21°23	15°41	7°51	F 17
S 18	17 45 57	27° 9'59	6♏42	7°18	24°59	1°25	0°39	15°36	18°22	22°17	20° 7	21°32	21°20	15°48	7°56	S 18
S 19	17 49 54	28° 7'20	20°18	9°21	26°10	1°50	0°33	15°32	18°25	22°16	20° 6	21°32	21°17	15°55	8° 0	S 19
M20	17 53 50	29° 4'41	3♏33	11°22	27°22	2°15	0°28	15°27	18°29	22°16	20° 5	21°31	21°13	16° 2	8° 5	M20
T 21	17 57 47	0♏ 2'01	16°27	13°21	28°33	2°40	0°22	15°23	18°32	22°15	20° 4	21°30	21°10	16° 8	8° 9	T 21
W22	18 1 43	0°59'20	29° 2	15°17	29°45	3° 6	0°17	15°19	18°36	22°15	20° 4	21°29	21° 7	16°15	8°13	W22
T 23	18 5 40	1°56'38	11♏21	17°12	0♏56	3°31	0°11	15°15	18°39	22°15	20° 3	21°28	21° 4	16°22	8°18	T 23
F 24	18 9 36	2°53'56	23°27	19° 5	2° 8	3°58	0° 5	15°11	18°43	22°14	20° 2	21°27	21° 1	16°28	8°22	F 24
S 25	18 13 33	3°51'13	5♏24	20°55	3°20	4°24	29♏59	15° 7	18°46	22°14	20° 1	21°D27	20°58	16°35	8°26	S 25
S 26	18 17 29	4°48'29	17°17	22°43	4°31	4°51	29°53	15° 3	18°50	22°14	20° 0	21°27	20°54	16°42	8°31	S 26
M27	18 21 26	5°45'44	29°10	24°28	5°43	5°18	29°46	14°59	18°53	22°14	19°59	21°28	20°51	16°49	8°35	M27
T 28	18 25 23	6°42'59	11♏ 9	26°12	6°54	5°45	29°40	14°55	18°56	22°13	19°59	21°30	20°48	16°55	8°39	T 28
W29	18 29 19	7°40'13	23°16	27°53	8° 6	6°13	29°33	14°51	19° 0	22°13	19°58	21°31	20°45	17° 2	8°43	W29
T 30	18 33 16	8♏37'26	5♏36	29♏32	9♏18	6♏41	29♏27	14♏47	19♏ 3	22♏13	19♏57	21♏32	20♏42	17♏ 9	8♏48	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22n 3	13s20	3n 8	19n33	0s44	11n16	1s58	2n44	0n56	19s59	0s15	21s 0	1n46	22n50	0n 2	7s11	1n40	21s43	7s24	23n 8	23n11	1s 4	17n23	4s 4			
T 2	22 10	17 25	2 10	20 8	0 34	11 39	1 58	2 35	0 54	20 0	0 15	20 59	1 46	22 50	0 2	7 11	1 40	21 44	7 24	23 8	23 10	1 7	17 23	4 4			
F 3	22 18	20 48	1 5	20 42	0 23	12 2	1 58	2 25	0 53	20 1	0 15	20 59	1 46	22 51	0 2	7 11	1 40	21 44	7 25	23 8	23 10	1 10	17 24	4 4			
S 4	22 25	23 15	0s 4	21 15	0 12	12 25	1 58	2 16	0 51	20 2	0 15	20 59	1 46	22 51	0 2	7 10	1 40	21 44	7 25	23 8	23 10	1 12	17 25	4 4			
S 5	22 32	24 33	1 15	21 46	0 1	12 48	1 57	2 7	0 49	20 2	0 16	20 58	1 46	22 51	0 2	7 10	1 40	21 45	7 25	23 8	23 10	1 15	17 25	4 4			
M 6	22 38	24 32	2 22	22 15	0n 9	13 11	1 57	1 57	0 47	20 3	0 16	20 58	1 46	22 52	0 2	7 10	1 40	21 45	7 26	23 8	23 10	1 18	17 26	4 5			
T 7	22 44	23 7	3 24	22 42	0 20	13 33	1 56	1 47	0 46	20 4	0 16	20 58	1 46	22 52	0 2	7 10	1 40	21 46	7 26	23 8	23 9	1 21	17 26	4 5			
W 8	22 50	20 24	4 15	23 8	0 30	13 55	1 56	1 38	0 44	20 5	0 16	20 57	1 46	22 52	0 2	7 9	1 40	21 46	7 26	23 8	23 9	1 24	17 27	4 5			
T 9	22 55	16 30	4 52	23 31	0 40	14 17	1 55	1 28	0 42	20 6	0 16	20 57	1 45	22 53	0 2	7 9	1 40	21 46	7 26	23 8	23 9	1 27	17 28	4 5			
F 10	22 59	11 39	5 13	23 51	0 49	14 38	1 54	1 18	0 41	20 7	0 16	20 56	1 45	22 53	0 2	7 9	1 40	21 47	7 27	23 8	23 9	1 30	17 28	4 5			
S 11	23 4	6 8	5 16	24 9	0 59	14 59	1 53	1 7	0 39	20 8	0 17	20 56	1 45	22 53	0 2	7 9	1 40	21 47	7 27	23 8	23 9	1 33	17 29	4 5			
S 12	23 8	0 15	4 59	24 24	1 7	15 20	1 52	0 57	0 37	20 9	0 17	20 56	1 45	22 54	0 2	7 9	1 40	21 48	7 27	23 8	23 8	1 36	17 29	4 5			
M13	23 11	5n43	4 23	24 37	1 15	15 40	1 51	0 46	0 36	20 10	0 17	20 55	1 45	22 54	0 2	7 8	1 39	21 48	7 27	23 8	23 8	1 38	17 30	4 6			
T 14	23 14	11 25	3 31	24 47	1 23	16 0	1 50	0 36	0 34	20 11	0 17	20 55	1 45	22 54	0 2	7 8	1 39	21 48	7 27	23 8	23 8	1 41	17 30	4 6			
W15	23 17	16 28	2 25	24 54	1 30	16 20	1 49	0 25	0 33	20 13	0 17	20 55	1 45	22 55	0 2	7 8	1 39	21 49	7 28	23 8	23 8	1 44	17 31	4 6			
T 16	23 19	20 33	1 11	24 58	1 36	16 39	1 48	0 14	0 31	20 14	0 17	20 54	1 45	22 55	0 2	7 8	1 39	21 49	7 28	23 8	23 8	1 47	17 32	4 6			
F 17	23 21	23 20	0n 7	24 59	1 41	16 58	1 46	0 3	0 30	20 15	0 18	20 54	1 45	22 55	0 2	7 8	1 39	21 50	7 28	23 8	23 7	1 50	17 32	4 6			
S 18	23 22	24 37	1 23	24 58	1 46	17 17	1 45	0s 8	0 28	20 16	0 18	20 54	1 45	22 56	0 2	7 8	1 39	21 50	7 28	23 8	23 7	1 53	17 33	4 6			
S 19	23 23	24 23	2 33	24 54	1 50	17 35	1 44	0 19	0 27	20 18	0 18	20 53	1 45	22 56	0 2	7 7	1 39	21 51	7 29	23 8	23 7	1 56	17 33	4 6			
M20	23 24	22 46	3 32	24 48	1 53	17 53	1 42	0 30	0 25	20 19	0 18	20 53	1 44	22 56	0 2	7 7	1 39	21 51	7 29	23 8	23 7	1 59	17 34	4 7			
T 21	23 24	20 0	4 19	24 39	1 56	18 10	1 41	0 42	0 24	20 20	0 18	20 52	1 44	22 57	0 2	7 7	1 39	21 52	7 29	23 8	23 7	2 2	17 34	4 7			
W22	23 24	16 21	4 52	24 28	1 57	18 27	1 39	0 53	0 23	20 22	0 18	20 52	1 44	22 57	0 2	7 7	1 39	21 52	7 29	23 8	23 6	2 5	17 35	4 7			
T 23	23 23	12 6	5 11	24 15	1 58	18 44	1 37	1 5	0 21	20 23	0 19	20 52	1 44	22 57	0 2	7 7	1 39	21 52	7 30	23 8	23 6	2 7	17 35	4 7			
F 24	23 22	7 26	5 16	24 0	1 58	19 0	1 36	1 16	0 20	20 25	0 19	20 51	1 44	22 57	0 2	7 7	1 39	21 53	7 30	23 8	23 6	2 10	17 36	4 7			
S 25	23 21	2 33	5 7	23 43	1 58	19 15	1 34	1 28	0 18	20 26	0 19	20 51	1 44	22 58	0 2	7 7	1 39	21 53	7 30	23 8	23 6	2 13	17 36	4 8			
S 26	23 19	2s23	4 45	23 25	1 57	19 30	1 32	1 40	0 17	20 27	0 19	20 51	1 44	22 58	0 2	7 7	1 39	21 54	7 30	23 8	23 5	2 16	17 37	4 8			
M27	23 17	7 15	4 10	23 4	1 55	19 45	1 30	1 52	0 16	20 29	0 19	20 51	1 44	22 58	0 2	7 7	1 39	21 54	7 30	23 8	23 5	2 19	17 37	4 8			
T 28	23 14	11 54	3 25	22 43	1 52	19 59	1 28	2 4	0 14	20 30	0 19	20 50	1 43	22 59	0 2	7 7	1 39	21 55	7 31	23 8	23 5	2 22	17 37	4 8			
W29	23 11	16 9	2 30	22 20	1 49	20 13	1 26	2 16	0 13	20 32	0 20	20 50	1 43	22 59	0 2	7 7	1 39	21 55	7 31	23 8	23 5	2 25	17 38	4 8			
T 30	23n 7	19s47	1n27	21n56	1n45	20n26	1s24	2s28	0n12	20s34	0s20	20s50	1n43	22n59	0n 2	7s 7	1n39	21s56	7s31	23n 8	23n 5	2s28	17n38	4s 9			

ASTRODIENST EPHEMERIS for the year 2281
geocentric

JULY 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 37 12	9♂34'40	18♂11	1♂ 8	10♂30	7♂ 9	29°R20	14°R43	19♂ 7	22°R13	19°R56	21°R33	20♂38	17♂15	8♂52	F 1
S 2	18 41 9	10°31'52	1♂ 3	2°42	11°42	7°37	29♂13	14♂39	19°10	22♂13	19♂55	21♂32	20°35	17°22	8°56	S 2
S 3	18 45 5	11°29'05	14°13	4°14	12°53	8° 6	29° 6	14°35	19°13	22°D13	19°54	21°31	20°32	17°29	9° 0	S 3
M 4	18 49 2	12°26'17	27°40	5°43	14° 5	8°34	28°59	14°32	19°17	22°13	19°53	21°29	20°29	17°36	9° 4	M 4
T 5	18 52 58	13°23'30	11♂21	7°10	15°17	9° 3	28°52	14°28	19°20	22°13	19°52	21°26	20°26	17°42	9° 8	T 5
W 6	18 56 55	14°20'42	25°16	8°34	16°29	9°33	28°45	14°25	19°23	22°13	19°51	21°23	20°23	17°49	9°12	W 6
T 7	19 0 52	15°17'54	9♂20	9°56	17°41	10° 2	28°37	14°21	19°27	22°13	19°50	21°20	20°19	17°56	9°16	T 7
F 8	19 4 48	16°15'06	23°30	11°16	18°53	10°32	28°30	14°18	19°30	22°13	19°49	21°18	20°16	18° 2	9°20	F 8
S 9	19 8 45	17°12'19	7♂44	12°33	20° 5	11° 2	28°23	14°14	19°33	22°14	19°48	21°17	20°13	18° 9	9°24	S 9
S 10	19 12 41	18° 9'32	21°57	13°48	21°18	11°32	28°15	14°11	19°36	22°14	19°46	21°D16	20°10	18°16	9°28	S 10
M 11	19 16 38	19° 6'45	6♂ 8	14°59	22°30	12° 2	28° 8	14° 8	19°39	22°14	19°45	21°17	20° 7	18°22	9°32	M 11
T 12	19 20 34	20° 3'59	20°16	16° 8	23°42	12°33	28° 0	14° 5	19°43	22°14	19°44	21°18	20° 4	18°29	9°36	T 12
W 13	19 24 31	21° 1'13	4♂17	17°15	24°54	13° 4	27°53	14° 1	19°46	22°15	19°43	21°20	20° 0	18°36	9°39	W 13
T 14	19 28 27	21°58'27	18°10	18°18	26° 7	13°35	27°45	13°58	19°49	22°15	19°42	21°R21	19°57	18°43	9°43	T 14
F 15	19 32 24	22°55'42	1♂54	19°19	27°19	14° 6	27°37	13°55	19°52	22°15	19°41	21°20	19°54	18°49	9°47	F 15
S 16	19 36 21	23°52'57	15°25	20°16	28°31	14°37	27°30	13°53	19°55	22°16	19°40	21°18	19°51	18°56	9°51	S 16
S 17	19 40 17	24°50'12	28°43	21°11	29°44	15° 9	27°22	13°50	19°58	22°16	19°38	21°15	19°48	19° 3	9°54	S 17
M 18	19 44 14	25°47'27	11♂45	22° 2	0♂56	15°40	27°14	13°47	20° 1	22°17	19°37	21°10	19°44	19° 9	9°58	M 18
T 19	19 48 10	26°44'43	24°32	22°49	2° 9	16°12	27° 6	13°44	20° 4	22°17	19°36	21° 4	19°41	19°16	10° 1	T 19
W 20	19 52 7	27°41'59	7♂ 3	23°34	3°21	16°45	26°59	13°42	20° 7	22°18	19°35	20°58	19°38	19°23	10° 5	W 20
T 21	19 56 3	28°39'14	19°19	24°14	4°34	17°17	26°51	13°39	20°10	22°18	19°33	20°52	19°35	19°30	10° 8	T 21
F 22	20 0 0	29°36'30	1♂24	24°51	5°46	17°49	26°43	13°37	20°13	22°19	19°32	20°47	19°32	19°36	10°12	F 22
S 23	20 3 56	0♂33'46	13°20	25°23	6°59	18°22	26°35	13°35	20°16	22°19	19°31	20°44	19°29	19°43	10°15	S 23
S 24	20 7 53	1°31'02	25°12	25°52	8°11	18°55	26°28	13°32	20°19	22°20	19°30	20°43	19°25	19°50	10°19	S 24
M 25	20 11 50	2°28'19	7♂ 5	26°16	9°24	19°28	26°20	13°30	20°22	22°21	19°28	20°D42	19°22	19°56	10°22	M 25
T 26	20 15 46	3°25'36	19° 3	26°36	10°37	20° 1	26°12	13°28	20°25	22°21	19°27	20°43	19°19	20° 3	10°25	T 26
W 27	20 19 43	4°22'53	1♂11	26°51	11°49	20°35	26° 5	13°26	20°27	22°22	19°26	20°45	19°16	20°10	10°28	W 27
T 28	20 23 39	5°20'10	13°34	27° 2	13° 2	21° 8	25°57	13°24	20°30	22°23	19°25	20°46	19°13	20°16	10°31	T 28
F 29	20 27 36	6°17'28	26°16	27° 7	14°15	21°42	25°50	13°22	20°33	22°24	19°23	20°R46	19°10	20°23	10°35	F 29
S 30	20 31 32	7°14'46	9♂20	27°R 8	15°28	22°16	25°42	13°21	20°35	22°24	19°22	20°45	19° 6	20°30	10°38	S 30
S 31	20 35 29	8♂12'05	22♂47	27♂ 3	16♂41	22♂50	25♂35	13♂19	20♂38	22♂25	19♂21	20♂41	19♂ 3	20♂37	10♂41	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	23n 3	22s34	0n19	21n30	1n40	20n38	1s22	2s40	0n10	20s35	0s20	20s49	1n43	23n 0	0n 2	7s 7
S 2	22 59	24 16	0s52	21 4	1 35	20 50	1 20	2 53	0 9	20 37	0 20	20 49	1 43	23 0	0 2	7 7
S 3	22 54	24 40	2 2	20 37	1 29	21 2	1 17	3 5	0 8	20 38	0 20	20 49	1 43	23 0	0 2	7 7
M 4	22 49	23 38	3 6	20 9	1 23	21 13	1 15	3 18	0 7	20 40	0 20	20 49	1 43	23 0	0 2	7 7
T 5	22 44	21 12	4 1	19 41	1 16	21 23	1 13	3 30	0 5	20 42	0 21	20 48	1 42	23 1	0 2	7 7
W 6	22 38	17 30	4 42	19 12	1 9	21 33	1 11	3 43	0 4	20 43	0 21	20 48	1 42	23 1	0 2	7 7
T 7	22 32	12 48	5 7	18 42	1 1	21 42	1 8	3 55	0 3	20 45	0 21	20 48	1 42	23 1	0 2	7 7
F 8	22 25	7 22	5 14	18 12	0 52	21 51	1 6	4 8	0 2	20 46	0 21	20 48	1 42	23 1	0 2	7 7
S 9	22 18	1 33	5 1	17 42	0 43	21 59	1 4	4 21	0 1	20 48	0 21	20 47	1 42	23 2	0 2	7 7
S 10	22 10	4n22	4 30	17 12	0 34	22 6	1 1	4 34	0s 0	20 50	0 21	20 47	1 42	23 2	0 2	7 7
M 11	22 3 10	2 3	4 43	16 42	0 24	22 13	0 59	4 47	0 2	20 51	0 22	20 47	1 41	23 2	0 2	7 8
T 12	21 54	15 11	2 42	16 11	0 13	22 19	0 56	4 59	0 3	20 53	0 22	20 47	1 41	23 2	0 2	7 8
W 13	21 46	19 28	1 32	15 41	0 3	22 25	0 54	5 12	0 4	20 55	0 22	20 47	1 41	23 3	0 2	7 8
T 14	21 37	22 35	0 17	15 11	0s 9	22 30	0 51	5 26	0 5	20 56	0 22	20 46	1 41	23 3	0 2	7 8
F 15	21 27	24 21	0n57	14 41	0 20	22 34	0 49	5 39	0 6	20 58	0 22	20 46	1 41	23 3	0 2	7 8
S 16	21 18	24 38	2 8	14 12	0 32	22 38	0 46	5 52	0 7	21 0	0 22	20 46	1 41	23 3	0 2	7 8
S 17	21 8	23 29	3 10	13 43	0 44	22 41	0 43	6 5	0 8	21 1	0 22	20 46	1 40	23 4	0 2	7 9
M 18	20 57	21 5	4 0	13 15	0 57	22 43	0 41	6 18	0 9	21 3	0 23	20 46	1 40	23 4	0 2	7 9
T 19	20 47	17 41	4 38	12 47	1 10	22 45	0 38	6 31	0 10	21 5	0 23	20 46	1 40	23 4	0 2	7 9
W 20	20 35	13 34	5 1	12 21	1 23	22 46	0 35	6 45	0 11	21 6	0 23	20 45	1 40	23 4	0 2	7 9
T 21	20 24	8 58	5 10	11 55	1 36	22 47	0 33	6 58	0 12	21 8	0 23	20 45	1 40	23 5	0 2	7 10
F 22	20 12	4 7	5 5	11 30	1 50	22 47	0 30	7 11	0 13	21 9	0 23	20 45	1 39	23 5	0 2	7 10
S 23	20 0	0s51	4 47	11 6	2 3	22 46	0 27	7 25	0 14	21 11	0 23	20 45	1 39	23 5	0 2	7 10
S 24	19 48	5 46	4 16	10 44	2 17	22 44	0 25	7 38	0 15	21 13	0 23	20 45	1 39	23 5	0 2	7 10
M 25	19 35	10 28	3 34	10 23	2 31	22 42	0 22	7 52	0 16	21 14	0 23	20 45	1 39	23 6	0 2	7 11
T 26	19 22	14 50	2 43	10 3	2 44	22 39	0 19	8 5	0 17	21 16	0 24	20 45	1 39	23 6	0 2	7 11
W 27	19 8	18 40	1 44	9 45	2 58	22 36	0 17	8 18	0 18	21 17	0 24	20 45	1 38	23 6	0 2	7 11
T 28	18 54	21 45	0 39	9 29	3 11	22 32	0 14	8 32	0 19	21 19	0 24	20 45	1 38	23 6	0 2	7 12
F 29	18 40	23 51	0s30	9 15	3 24	22 27	0 11	8 45	0 20	21 20	0 24	20 45	1 38	23 6	0 2	7 12
S 30	18 26	24 43	1 39	9 3	3 37	22 22	0 9	8 59	0 21	21 22	0 24	20 45	1 38	23 7	0 2	7 12
S 31	18n11	24s10	2s44	8n53	3s49	22n16	0s 6	9s12	0s22	21s23	0s24	20s45	1n38	23n 7	0n 2	7s13

Julian Day Number = 2554359.5, Delta T = 266.24 sec
Ecliptic obliquity = 23°24'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°40'29, Lahiri = 27°47'30

ASTRODIENST EPHEMERIS for the year 2281

geocentric

AUGUST 2281

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 39 25	9♌ 9'24	6♊36	26°R54	17♉54	23♈24	25°R28	13°R17	20♌41	22♌26	19°R19	20°R35	19♌0	20♌43	10♌44	M 1
T 2	20 43 22	10° 6'44	20°44	26♌39	19° 7	23°58	25♉20	13♌16	20°43	22°27	19♌18	20♌28	18°57	20°50	10°47	T 2
W 3	20 47 19	11° 4'05	5♊6	26°20	20°20	24°33	25°13	13°15	20°46	22°28	19°17	20°21	18°54	20°57	10°49	W 3
T 4	20 51 15	12° 1'26	19°37	25°56	21°33	25° 7	25° 6	13°13	20°48	22°29	19°15	20°13	18°50	21° 3	10°52	T 4
F 5	20 55 12	12°58'48	4♌9	25°27	22°46	25°42	24°59	13°12	20°51	22°30	19°14	20° 7	18°47	21°10	10°55	F 5
S 6	20 59 8	13°56'12	18°38	24°54	23°59	26°17	24°52	13°11	20°53	22°31	19°13	20° 2	18°44	21°17	10°58	S 6
S 7	21 3 5	14°53'37	2♌57	24°17	25°12	26°52	24°45	13°10	20°56	22°32	19°11	20° 0	18°41	21°23	11° 0	S 7
M 8	21 7 1	15°51'03	17° 6	23°36	26°25	27°28	24°38	13° 9	20°58	22°33	19°10	19°D59	18°38	21°30	11° 3	M 8
T 9	21 10 58	16°48'30	1♌2	22°53	27°38	28° 3	24°32	13° 8	21° 1	22°34	19° 9	19°59	18°35	21°37	11° 6	T 9
W10	21 14 54	17°45'58	14°46	22° 7	28°51	28°38	24°25	13° 8	21° 3	22°36	19° 7	20°R 0	18°31	21°44	11° 8	W10
T 11	21 18 51	18°43'28	28°17	21°21	0♌5	29°14	24°19	13° 7	21° 5	22°37	19° 6	20° 0	18°28	21°50	11°11	T 11
F 12	21 22 48	19°40'59	11♉37	20°33	1°18	29°50	24°12	13° 6	21° 7	22°38	19° 4	19°58	18°25	21°57	11°13	F 12
S 13	21 26 44	20°38'31	24°45	19°46	2°31	0♌26	24° 6	13° 6	21° 9	22°39	19° 3	19°53	18°22	22° 4	11°15	S 13
S 14	21 30 41	21°36'04	7♌42	19° 1	3°45	1° 2	24° 0	13° 6	21°12	22°40	19° 2	19°46	18°19	22°10	11°18	S 14
M15	21 34 37	22°33'39	20°27	18°17	4°58	1°38	23°54	13° 5	21°14	22°42	19° 0	19°37	18°16	22°17	11°20	M15
T 16	21 38 34	23°31'14	3♌0	17°36	6°12	2°15	23°48	13° 5	21°16	22°43	18°59	19°26	18°12	22°24	11°22	T 16
W17	21 42 30	24°28'51	15°22	16°59	7°25	2°51	23°43	13°D 5	21°18	22°44	18°58	19°14	18° 9	22°30	11°24	W17
T 18	21 46 27	25°26'28	27°32	16°27	8°39	3°28	23°37	13° 5	21°20	22°46	18°56	19° 3	18° 6	22°37	11°26	T 18
F 19	21 50 23	26°24'07	9♌32	16° 0	9°52	4° 5	23°32	13° 5	21°22	22°47	18°55	18°53	18° 3	22°44	11°28	F 19
S 20	21 54 20	27°21'46	21°26	15°39	11° 6	4°42	23°26	13° 6	21°24	22°49	18°54	18°45	18° 0	22°51	11°30	S 20
S 21	21 58 17	28°19'27	3♌16	15°24	12°20	5°19	23°21	13° 6	21°25	22°50	18°52	18°40	17°56	22°57	11°32	S 21
M22	22 2 13	29°17'09	15° 6	15°16	13°33	5°56	23°16	13° 6	21°27	22°51	18°51	18°37	17°53	23° 4	11°34	M22
T 23	22 6 10	0♌14'51	27° 2	15°D15	14°47	6°33	23°11	13° 7	21°29	22°53	18°50	18°D36	17°50	23°11	11°35	T 23
W24	22 10 6	1°12'35	9♌8	15°22	16° 1	7°11	23° 7	13° 8	21°31	22°54	18°48	18°36	17°47	23°17	11°37	W24
T 25	22 14 3	2°10'20	21°30	15°36	17°14	7°48	23° 2	13° 8	21°32	22°56	18°47	18°R36	17°44	23°24	11°39	T 25
F 26	22 17 59	3° 8'06	4♌12	15°58	18°28	8°26	22°58	13° 9	21°34	22°58	18°46	18°36	17°41	23°31	11°40	F 26
S 27	22 21 56	4° 5'54	17°20	16°27	19°42	9° 4	22°54	13°10	21°36	22°59	18°44	18°33	17°37	23°37	11°42	S 27
S 28	22 25 52	5° 3'42	0♌55	17° 4	20°56	9°42	22°50	13°11	21°37	23° 1	18°43	18°27	17°34	23°44	11°43	S 28
M29	22 29 49	6° 1'32	14°57	17°49	22°10	10°20	22°46	13°12	21°39	23° 2	18°42	18°19	17°31	23°51	11°44	M29
T 30	22 33 46	6°59'23	29°24	18°41	23°24	10°58	22°42	13°13	21°40	23° 4	18°41	18°10	17°28	23°58	11°46	T 30
W31	22 37 42	7♌57'15	14♌9	19♌39	24♌38	11♌36	22♌39	13♌15	21♌42	23♌6	18♌39	17♌59	17♌25	24♌4	11♌47	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	17n56	22s10	3s41	8n45	4s 1	22n 9	0s 3	9s26	0s23	21s25	0s24	20s45	1n37	23n 7	0n 2	7s13
T 2	17 41	18 46	4 26	8 40	4 12	22 2	0 1	9 39	0 24	21 26	0 24	20 45	1 37	23 7	0 2	7 13
W 3	17 26	14 12	4 56	8 37	4 22	21 54	0n 2	9 53	0 25	21 28	0 25	20 45	1 37	23 7	0 2	7 14
T 4	17 10	8 48	5 6	8 36	4 31	21 45	0 5	10 6	0 26	21 29	0 25	20 45	1 37	23 8	0 2	7 14
F 5	16 54	2 54	4 57	8 38	4 39	21 36	0 7	10 20	0 27	21 31	0 25	20 45	1 37	23 8	0 2	7 15
S 6	16 37	3n 8	4 29	8 43	4 45	21 26	0 10	10 33	0 27	21 32	0 25	20 45	1 36	23 8	0 2	7 15
S 7	16 21	8 57	3 45	8 50	4 51	21 16	0 12	10 47	0 28	21 33	0 25	20 45	1 36	23 8	0 2	7 15
M 8	16 4	14 15	2 47	9 0	4 54	21 5	0 15	11 0	0 29	21 35	0 25	20 45	1 36	23 8	0 2	7 16
T 9	15 46	18 42	1 40	9 12	4 56	20 53	0 17	11 14	0 30	21 36	0 25	20 45	1 36	23 8	0 2	7 16
W10	15 29	22 4	0 28	9 26	4 56	20 41	0 20	11 27	0 31	21 37	0 25	20 46	1 36	23 9	0 2	7 17
T 11	15 11	24 8	0n44	9 42	4 55	20 28	0 22	11 41	0 32	21 38	0 25	20 46	1 35	23 9	0 3	7 17
F 12	14 54	24 46	1 53	10 0	4 51	20 14	0 25	11 54	0 32	21 40	0 25	20 46	1 35	23 9	0 3	7 18
S 13	14 35	24 0	2 54	10 20	4 46	20 0	0 27	12 8	0 33	21 41	0 26	20 46	1 35	23 9	0 3	7 18
S 14	14 17	21 57	3 46	10 40	4 39	19 46	0 30	12 21	0 34	21 42	0 26	20 46	1 35	23 9	0 3	7 19
M15	13 58	18 50	4 25	11 2	4 30	19 31	0 32	12 34	0 35	21 43	0 26	20 46	1 34	23 9	0 3	7 19
T 16	13 40	14 54	4 50	11 24	4 20	19 15	0 34	12 48	0 36	21 44	0 26	20 47	1 34	23 10	0 3	7 20
W17	13 21	10 24	5 2	11 47	4 8	18 59	0 36	13 1	0 36	21 45	0 26	20 47	1 34	23 10	0 3	7 20
T 18	13 1	5 33	4 59	12 9	3 55	18 42	0 39	13 14	0 37	21 46	0 26	20 47	1 34	23 10	0 3	7 21
F 19	12 42	0 34	4 43	12 31	3 40	18 24	0 41	13 27	0 38	21 47	0 26	20 47	1 34	23 10	0 3	7 21
S 20	12 22	4s24	4 15	12 52	3 25	18 6	0 43	13 40	0 39	21 48	0 26	20 47	1 33	23 10	0 3	7 22
S 21	12 2	9 11	3 36	13 12	3 8	17 48	0 45	13 54	0 39	21 49	0 26	20 48	1 33	23 10	0 3	7 23
M22	11 42	13 40	2 48	13 30	2 51	17 29	0 47	14 7	0 40	21 50	0 26	20 48	1 33	23 10	0 3	7 23
T 23	11 22	17 39	1 52	13 47	2 34	17 10	0 49	14 20	0 41	21 51	0 26	20 48	1 33	23 10	0 3	7 24
W24	11 2	20 58	0 50	14 2	2 16	16 50	0 51	14 33	0 42	21 52	0 26	20 49	1 33	23 11	0 3	7 24
T 25	10 41	23 23	0s15	14 15	1 58	16 29	0 53	14 45	0 42	21 53	0 27	20 49	1 32	23 11	0 3	7 25
F 26	10 20	24 42	1 22	14 26	1 40	16 9	0 55	14 58	0 43	21 53	0 27	20 49	1 32	23 11	0 3	7 26
S 27	10 0	24 42	2 26	14 34	1 23	15 47	0 57	15 11	0 44	21 54	0 27	20 50	1 32	23 11	0 3	7 26
S 28	9 38	23 14	3 24	14 39	1 5	15 26	0 59	15 24	0 44	21 55	0 27	20 50	1 32	23 11	0 3	7 27
M29	9 17	20 20	4 12	14 42	0 48	15 3	1 1	15 36	0 45	21 56	0 27	20 50	1 31	23 11	0 3	7 27
T 30	8 56	16 7	4 45	14 42	0 32	14 41	1 2	15 49	0 46	21 56	0 27	20 51	1 31	23 11	0 3	7 28
W31	8n34	10s50	5s 0	14n38	0s16	14n18	1n 4	16s 2	0s46	21s57	0s27	20s51	1n31	23n11	0n 3	7s29

Julian Day Number = 2554390.5, Delta T = 266.37 sec

Ecliptic obliquity = 23°24'11", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°40'34", Lahiri = 27°47'34"

ASTRODIENST EPHEMERIS for the year 2281
geocentric

SEPTEMBER 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 39	8 ^h 55'09	29 ^h 5' 5	20 ^h 45'5	25 ^h 52'5	12 ^h 14'4	22 ^h R36	13 ^h 16'6	21 ^h 43'3	23 ^h 21'7	18 ^h R38	17 ^h R48	17 ^h 21'2	24 ^h 11'1	11 ^h 48'4	T 1
F 2	22 45 35	9 ^h 53'04	14 ^h 9' 2	21 ^h 57'6	27 ^h 6'6	12 ^h 53'3	22 ^h 32'3	13 ^h 18'8	21 ^h 44'4	23 ^h 9'9	18 ^h 37'3	17 ^h 38'8	17 ^h 18'8	24 ^h 18'8	11 ^h 49'9	F 2
S 3	22 49 32	10 ^h 51'01	28 ^h 51'1	23 ^h 15'5	28 ^h 20'0	13 ^h 32'2	22 ^h 29'9	13 ^h 19'9	21 ^h 45'5	23 ^h 11'1	18 ^h 36'6	17 ^h 31'1	17 ^h 15'5	24 ^h 24'4	11 ^h 50'0	S 3
S 4	22 53 28	11 ^h 49'00	13 ^h 8'26	24 ^h 38'8	29 ^h 34'4	14 ^h 10'0	22 ^h 27'7	13 ^h 21'1	21 ^h 47'7	23 ^h 13'3	18 ^h 34'4	17 ^h 27'7	17 ^h 12'2	24 ^h 31'1	11 ^h 51'1	S 4
M 5	22 57 25	12 ^h 47'01	27 ^h 43'6	26 ^h 7'7	0 ^h 48'8	14 ^h 49'9	22 ^h 24'4	13 ^h 23'3	21 ^h 48'8	23 ^h 14'4	18 ^h 33'3	17 ^h 25'5	17 ^h 9'9	24 ^h 38'8	11 ^h 52'2	M 5
T 6	23 1 21	13 ^h 45'04	11 ^h 39'3	27 ^h 41'1	2 ^h 2'2	15 ^h 28'8	22 ^h 22'2	13 ^h 25'5	21 ^h 49'9	23 ^h 16'6	18 ^h 32'2	17 ^h 25'5	17 ^h 6'6	24 ^h 44'4	11 ^h 53'3	T 6
W 7	23 5 18	14 ^h 43'09	25 ^h 17'7	29 ^h 18'8	3 ^h 16'6	16 ^h 7'7	22 ^h 20'0	13 ^h 27'7	21 ^h 50'0	23 ^h 18'8	18 ^h 31'1	17 ^h 24'4	17 ^h 2'2	24 ^h 51'1	11 ^h 54'4	W 7
T 8	23 9 15	15 ^h 41'16	8 ^h 36'6	0 ^h 59'9	4 ^h 30'0	16 ^h 46'6	22 ^h 18'8	13 ^h 29'9	21 ^h 51'1	23 ^h 20'0	18 ^h 30'0	17 ^h 23'3	16 ^h 59'9	24 ^h 58'8	11 ^h 54'4	T 8
F 9	23 13 11	16 ^h 39'25	21 ^h 39'9	2 ^h 44'4	5 ^h 45'5	17 ^h 26'6	22 ^h 16'6	13 ^h 31'1	21 ^h 52'2	23 ^h 22'2	18 ^h 28'8	17 ^h 21'1	16 ^h 56'6	25 ^h 4'4	11 ^h 55'5	F 9
S 10	23 17 8	17 ^h 37'36	4 ^h 29'9	4 ^h 31'1	6 ^h 59'9	18 ^h 5'5	22 ^h 14'4	13 ^h 33'3	21 ^h 53'3	23 ^h 24'4	18 ^h 27'7	17 ^h 15'5	16 ^h 53'3	25 ^h 11'1	11 ^h 56'6	S 10
S 11	23 21 4	18 ^h 35'48	17 ^h 8'8	6 ^h 20'0	8 ^h 13'3	18 ^h 45'5	22 ^h 13'3	13 ^h 35'5	21 ^h 54'4	23 ^h 26'6	18 ^h 26'6	17 ^h 6'6	16 ^h 50'0	25 ^h 18'8	11 ^h 56'6	S 11
M12	23 25 1	19 ^h 34'02	29 ^h 36'6	8 ^h 11'1	9 ^h 28'8	19 ^h 24'4	22 ^h 11'1	13 ^h 38'8	21 ^h 55'5	23 ^h 27'7	18 ^h 25'5	16 ^h 55'5	16 ^h 47'7	25 ^h 25'5	11 ^h 56'6	M12
T 13	23 28 57	20 ^h 32'19	11 ^h 54'4	10 ^h 3'3	10 ^h 42'2	20 ^h 4'4	22 ^h 10'0	13 ^h 40'0	21 ^h 55'5	23 ^h 29'9	18 ^h 24'4	16 ^h 42'2	16 ^h 43'3	25 ^h 31'1	11 ^h 57'7	T 13
W14	23 32 54	21 ^h 30'37	24 ^h 4'4	11 ^h 57'7	11 ^h 56'6	20 ^h 44'4	22 ^h 9'9	13 ^h 43'3	21 ^h 56'6	23 ^h 31'1	18 ^h 23'3	16 ^h 28'8	16 ^h 40'0	25 ^h 38'8	11 ^h 57'7	W14
T 15	23 36 50	22 ^h 28'56	6 ^h 16'6	13 ^h 51'1	13 ^h 11'1	21 ^h 24'4	22 ^h 9'9	13 ^h 46'6	21 ^h 57'7	23 ^h 33'3	18 ^h 22'2	16 ^h 14'4	16 ^h 37'7	25 ^h 45'5	11 ^h 57'7	T 15
F 16	23 40 47	23 ^h 27'18	18 ^h 2'2	15 ^h 45'5	14 ^h 25'5	22 ^h 4'4	22 ^h 8'8	13 ^h 48'8	21 ^h 57'7	23 ^h 35'5	18 ^h 21'1	16 ^h 2'2	16 ^h 34'4	25 ^h 51'1	11 ^h 57'7	F 16
S 17	23 44 44	24 ^h 25'41	29 ^h 52'2	17 ^h 39'9	15 ^h 40'0	22 ^h 44'4	22 ^h 8'8	13 ^h 51'1	21 ^h 58'8	23 ^h 37'7	18 ^h 20'0	15 ^h 52'2	16 ^h 31'1	25 ^h 58'8	11 ^h 58'8	S 17
S 18	23 48 40	25 ^h 24'06	11 ^h 40'0	19 ^h 34'4	16 ^h 54'4	23 ^h 24'4	22 ^h D 8'8	13 ^h 54'4	21 ^h 58'8	23 ^h 39'9	18 ^h 18'8	15 ^h 45'5	16 ^h 27'7	26 ^h 5'5	11 ^h R58'8	S 18
M19	23 52 37	26 ^h 22'32	23 ^h 29'9	21 ^h 28'8	18 ^h 9'9	24 ^h 5'5	22 ^h 8'8	13 ^h 57'7	21 ^h 59'9	23 ^h 41'1	18 ^h 17'7	15 ^h 41'1	16 ^h 24'4	26 ^h 11'1	11 ^h 57'7	M19
T 20	23 56 33	27 ^h 21'00	5 ^h 12'2	23 ^h 21'1	19 ^h 23'3	24 ^h 45'5	22 ^h 8'8	14 ^h 1'1	21 ^h 59'9	23 ^h 43'3	18 ^h 16'6	15 ^h 39'9	16 ^h 21'1	26 ^h 18'8	11 ^h 57'7	T 20
W21	0 0 30	28 ^h 19'30	17 ^h 27'7	25 ^h 14'4	20 ^h 38'8	25 ^h 26'6	22 ^h 9'9	14 ^h 2'2	22 ^h 0'0	23 ^h 45'5	18 ^h 16'6	15 ^h D39'9	16 ^h 18'8	26 ^h 25'5	11 ^h 57'7	W21
T 22	0 4 26	29 ^h 18'01	29 ^h 45'5	27 ^h 7'7	21 ^h 52'2	26 ^h 6'6	22 ^h 9'9	14 ^h 7'7	22 ^h 0'0	23 ^h 47'7	18 ^h 15'5	15 ^h R39'9	16 ^h 15'5	26 ^h 31'1	11 ^h 57'7	T 22
F 23	0 8 23	0 ^h 16'35	12 ^h 32'5	28 ^h 58'8	23 ^h 7'7	26 ^h 47'7	22 ^h 10'0	14 ^h 10'0	22 ^h 0'0	23 ^h 50'0	18 ^h 14'4	15 ^h 38'8	16 ^h 12'2	26 ^h 38'8	11 ^h 57'7	F 23
S 24	0 12 19	1 ^h 15'09	25 ^h 29'9	0 ^h 49'9	24 ^h 21'1	27 ^h 28'8	22 ^h 11'1	14 ^h 14'4	22 ^h 0'0	23 ^h 52'2	18 ^h 13'3	15 ^h 36'6	16 ^h 8'8	26 ^h 45'5	11 ^h 56'6	S 24
S 25	0 16 16	2 ^h 13'46	9 ^h 22'2	2 ^h 39'9	25 ^h 36'6	28 ^h 9'9	22 ^h 13'3	14 ^h 17'7	22 ^h 0'0	23 ^h 54'4	18 ^h 12'2	15 ^h 31'1	16 ^h 5'5	26 ^h 52'2	11 ^h 56'6	S 25
M26	0 20 13	3 ^h 12'24	23 ^h 5'5	4 ^h 28'8	26 ^h 51'1	28 ^h 50'0	22 ^h 14'4	14 ^h 21'1	22 ^h 1'1	23 ^h 56'6	18 ^h 11'1	15 ^h 24'4	16 ^h 2'2	26 ^h 58'8	11 ^h 55'5	M26
T 27	0 24 9	4 ^h 11'03	7 ^h 36'6	6 ^h 16'6	28 ^h 5'5	29 ^h 31'1	22 ^h 16'6	14 ^h 25'5	22 ^h R 1'1	23 ^h 58'8	18 ^h 10'0	15 ^h 15'5	15 ^h 59'9	27 ^h 5'5	11 ^h 54'4	T 27
W28	0 28 6	5 ^h 9'45	22 ^h 31'1	8 ^h 3'3	29 ^h 20'0	0 ^h 13'3	22 ^h 18'8	14 ^h 29'9	22 ^h 1'1	24 ^h 0'0	18 ^h 9'9	15 ^h 5'5	15 ^h 56'6	27 ^h 12'2	11 ^h 54'4	W28
T 29	0 32 2	6 ^h 8'28	7 ^h 41'1	9 ^h 49'9	0 ^h 35'5	0 ^h 54'4	22 ^h 20'0	14 ^h 33'3	22 ^h 0'0	24 ^h 2'2	18 ^h 8'8	14 ^h 55'5	15 ^h 53'3	27 ^h 18'8	11 ^h 53'3	T 29
F 30	0 35 59	7 ^h 13'13	22 ^h 56'6	11 ^h 34'4	1 ^h 50'0	1 ^h 35'5	22 ^h 22'2	14 ^h 37'7	22 ^h I 0'0	24 ^h 4'4	18 ^h 8'8	14 ^h I46'6	15 ^h I49'9	27 ^h 25'5	11 ^h I52'2	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n13	4s52	4s55	14n32	0s 1	13n54	1n 5	16s14	0s47	21s57	0s27	20s51	1n31	23n11	0n 3	7s29	1n36	22s28	7s38	22n51	22n48	5s32	17n43	4s29	17s43
F 2	7 51	1n23	4 30	14 22	0n13	13 31	1 7	16 26	0 48	21 58	0 27	20 52	1 31	23 12	0 3	7 30	1 36	22 28	7 38	22 50	22 48	5 35	17 43	4 29	17s43
S 3	7 29	7 31	3 47	14 9	0 26	13 7	1 9	16 39	0 48	21 59	0 27	20 52	1 30	23 12	0 3	7 31	1 36	22 28	7 38	22 49	22 48	5 37	17 43	4 30	17s43
S 4	7 7	13 10	2 49	13 53	0 38	12 42	1 10	16 51	0 49	21 59	0 27	20 53	1 30	23 12	0 3	7 31	1 36	22 29	7 38	22 49	22 47	5 40	17 43	4 30	17s43
M 5	6 45	17 58	1 42	13 34	0 50	12 17	1 11	17 3	0 50	22 0	0 27	20 53	1 30	23 12	0 3	7 32	1 36	22 29	7 38	22 49	22 47	5 43	17 42	4 31	17s43
T 6	6 23	21 39	0 30	13 12	1 0	11 52	1 13	17 15	0 50	22 0	0 27	20 53	1 30	23 12	0 3	7 33	1 36	22 29	7 38	22 48	22 47	5 46	17 42	4 31	17s43
W 7	6 1	24 1	0n41	12 47	1 9	11 26	1 14	17 27	0 51	22 0	0 27	20 54	1 30	23 12	0 3	7 34	1 36	22 30	7 38	22 48	22 46	5 49	17 42	4 31	17s43
T 8	5 38	24 57	1 49	12 19	1 17	11 1	1 15	17 39	0 51	22 1	0 27	20 54	1 29	23 12	0 3	7 34	1 36	22 30	7 38	22 48	22 46	5 52	17 41	4 32	17s43
F 9	5 16	24 28	2 50	11 48	1 25	10 34	1 16	17 50	0 52	22 1	0 27	20 55	1 29	23 12	0 3	7 35	1 36	22 31	7 38	22 48	22 46	5 55	17 41	4 32	17s43
S 10	4 53	22 41	3 41	11 15	1 31	10 8	1 17	18 2	0 53	22 1	0 27	20 55	1 29	23 12	0 3	7 36	1 36	22 31	7 38	22 48	22 45	5 58	17 41	4 33	17s43
S 11	4 30	19 49	4 20	10 40	1 36	9 41	1 18	18 14	0 53	22 2	0 28	20 56	1 29	23 12	0 3	7 36	1 36	22 31	7 38	22 47	22 45	6 1	17 40	4 33	17s43
M12	4 7	16 4	4 46	10 2	1 40	9 14	1 19	18 25	0 54	22 2	0 28	20 56	1 28	23 12	0 3	7 37	1 35	22 32	7 38	22 46	22 45	6 4	17 40	4 34	17s43
T 13	3 45	11 41	4 59	9 23	1 44	8 47	1 20	18 36	0 54	22 2	0 28	20 57	1 28	23 12	0 3	7 38	1 35	22 32	7 38	22 44	22 45	6 7	17 40	4 34	17s43
W14	3 22	6 54	4 57	8 42	1 46	8 19	1 21	18 47	0 55	22 2	0 28	20 57	1 28	23 12	0 3	7 39	1 35	22 32	7 37	22 43	22 44	6 10	17 39	4 34	17s43
T 15	2 59	1 54	4 42	8 0	1 47	7 52	1 22	18 58	0 55	22 2	0 28	20 58	1 28	23 12	0 3	7 39	1 35	22 32	7 37	22 42	22 44	6 13	17 39	4 35	17s43
F 16	2 36	3s 8	4 15	7 16	1 48	7 24	1 22	19 9	0 56	22 3	0 28	20 58	1 28	23 12	0 3	7 40	1 35	22 33	7 37	22 40	22 44	6 15	17 39	4 35	17s43
S 17	2 13	8 1	3 37	6 32	1 48	6 55	1 23	19 20	0 56	22 3	0 28	20 59	1 27	23 13	0 3	7 41	1 35	22 33	7 37	22 39	22 43	6 18	17 38	4 36	17s43
S 18	1 49	12 37	2 49	5 46	1 48	6 27	1 24	19 31	0 57	22 3	0 28	20 59	1 27	23 13	0 3	7 42	1 35	22 33	7 37	22 39	22 43	6 21	17 38	4 36	17s43
M19	1 26	16 46	1 55	5 0	1 46	5 58	1 24	19 42	0 58	22 3	0 28	21 0	1 27	23 13	0 3	7 42	1 35	22 34	7 37	22 38	22 43	6 24	17 37	4 36	17s43
T 20	1 3	20 17	0 54	4 14	1 44	5 30	1 25	19 52	0 58	22 3	0 28	21 1	1 27	23 13	0 3	7 43	1 35	22 34	7 37	22 38	22 42	6 27	17 37	4 37	17s43
W21	0 40	22 58	0s10	3 27	1 42	5 1	1 25	20 2	0 59	22 3	0 28	21 1	1 27	23 13	0 3	7 44	1 35	22 34	7 37	22 38	22 42	6 30	17 37	4 37	17s43
T 22	0 17	24 38	1 14	2 39	1 39	4 32	1 25	20 12	0 59	22 3	0 28	21 2	1 26	23 13	0 3	7 45	1 35	22 34	7 37	22 38	22 42	6 33	17 36	4 38	17s43
F 23	0s 7	25 6	2 17	1 52	1 35	4 2	1 25	20 22	1 0	22 3	0 28	21 2	1 26	23 13	0 3	7 45	1 35	22 34	7 37	22 38	22 41	6 36	17 36	4 38	17s43
S 24	0 30	24 12	3 15	1 4	1 31	3 33	1 26	20 32	1 0	22 2	0 28	21 3	1 26	23 13	0 3	7 46	1 35	22 35	7 37	22 38	22 41	6 39	17 35	4 38	17s43
S 25	0 53	21 53	4 4	0 17	1 27	3 3	1 26	20 42	1 0	22 2	0 28	21 4	1 26	23 13	0 3	7 47	1 35	22 35	7 37	22 37	22 41	6 42	17 35	4 39	17s43
M26	1 16	18 12	4 40	0s31	1 22	2 34	1 26	20 52	1 1	22 2	0 28	21 4	1 26	23 13	0 3	7 48	1 35	22 35	7 37	22 36	22 40	6 45	17 34	4 39	17s43
T 27	1 40	13 20	5 0	1 18	1 17	2 4	1 26	21 1	1 1	22 2	0 28	21 5	1 26	23 13	0 3	7 49	1 35	22 35	7 37	22 35	22 40	6 48	17 34	4 40	17s43
W28	2 3	7 33	5 0	2 5	1 12	1 34	1 26	21 10	1 2	22 2	0 28	21 5	1 25	23 13	0 3	7 49	1 35	22 36	7 37	22 34	22 40	6 51	17 33	4 40	17s43
T 29	2 26	1 14	4 39	2 52	1 6	1 5	1 26	21 19	1 2	22 1	0 28	21 6	1 25	23 13	0 3	7 50	1 35	22 36	7 36	22 32	22 39	6 53	17 33	4 40	17s43
F 30	2s49	5n13	3s58	3s38	1n 1	0n35	1n25	21s28	1s 3	22s 1	0s28	21s 7	1n25	23n13	0n 3	7s51	1n35	22s36	7s36	22n32	22n39	6s56	17n32	4s41	17s43

ASTRODIENST EPHEMERIS for the year 2281

geocentric

OCTOBER 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 55	8♌ 6'00	8♌ 5	13♌18	3♌ 4	2♌17	22♌24	14♌41	22°R 0	24♌ 7	18°R 7	14°R39	15♌46	27♌32	11°R51	S 1
S 2	0 43 52	9° 4'50	22°58	15° 2	4°19	2°59	22°27	14°45	22°II 0	24° 9	18° 6	14°II35	15°43	27°38	11°II50	S 2
M 3	0 47 48	10° 3'42	7°II29	16°44	5°34	3°40	22°29	14°49	22° 0	24°11	18° 5	14°34	15°40	27°45	11°49	M 3
T 4	0 51 45	11° 2'36	21°36	18°26	6°49	4°22	22°32	14°53	21°59	24°13	18° 5	14°D34	15°37	27°52	11°48	T 4
W 5	0 55 41	12° 1'32	5°III6	20° 6	8° 3	5° 4	22°36	14°57	21°59	24°15	18° 4	14°34	15°33	27°58	11°47	W 5
T 6	0 59 38	13° 0'31	18°36	21°46	9°18	5°46	22°39	15° 2	21°59	24°17	18° 3	14°R34	15°30	28° 5	11°46	T 6
F 7	1 3 35	13°59'32	1♌33	23°25	10°33	6°28	22°42	15° 6	21°58	24°20	18° 3	14°33	15°27	28°12	11°45	F 7
S 8	1 7 31	14°58'35	14°14	25° 3	11°48	7°10	22°46	15°11	21°58	24°22	18° 2	14°29	15°24	28°18	11°43	S 8
S 9	1 11 28	15°57'41	26°40	26°40	13° 3	7°52	22°50	15°16	21°57	24°24	18° 1	14°22	15°21	28°25	11°42	S 9
M10	1 15 24	16°56'48	8♍56	28°16	14°18	8°35	22°54	15°20	21°56	24°26	18° 1	14°14	15°18	28°32	11°40	M10
T 11	1 19 21	17°55'58	21° 2	29°52	15°33	9°17	22°58	15°25	21°56	24°29	18° 0	14° 4	15°14	28°39	11°39	T 11
W12	1 23 17	18°55'10	3♌ 2	1♍27	16°48	10° 0	23° 3	15°30	21°55	24°31	18° 0	13°53	15°11	28°45	11°37	W12
T 13	1 27 14	19°54'24	14°57	3° 1	18° 3	10°42	23° 7	15°35	21°54	24°33	17°59	13°42	15° 8	28°52	11°36	T 13
F 14	1 31 10	20°53'40	26°48	4°34	19°18	11°25	23°12	15°40	21°53	24°35	17°59	13°33	15° 5	28°59	11°34	F 14
S 15	1 35 7	21°52'58	8♍37	6° 7	20°33	12° 8	23°17	15°45	21°52	24°37	17°58	13°25	15° 2	29° 5	11°32	S 15
S 16	1 39 4	22°52'18	20°26	7°38	21°48	12°51	23°22	15°50	21°52	24°40	17°58	13°20	14°58	29°12	11°30	S 16
M17	1 43 0	23°51'40	2♌17	9° 9	23° 3	13°34	23°27	15°55	21°51	24°42	17°58	13°17	14°55	29°19	11°28	M17
T 18	1 46 57	24°51'04	14°14	10°40	24°18	14°17	23°33	16° 0	21°50	24°44	17°57	13°D16	14°52	29°25	11°26	T 18
W19	1 50 53	25°50'30	26°19	12° 9	25°33	15° 0	23°38	16° 6	21°48	24°46	17°57	13°17	14°49	29°32	11°24	W19
T 20	1 54 50	26°49'58	8♎38	13°38	26°48	15°43	23°44	16°11	21°47	24°49	17°57	13°19	14°46	29°39	11°22	T 20
F 21	1 58 46	27°49'27	21°15	15° 7	28° 3	16°26	23°50	16°16	21°46	24°51	17°56	13°20	14°43	29°45	11°20	F 21
S 22	2 2 43	28°48'58	4♌14	16°34	29°18	17°10	23°56	16°22	21°45	24°53	17°56	13°R20	14°39	29°52	11°18	S 22
S 23	2 6 39	29°48'31	17°39	18° 1	0♍33	17°53	24° 2	16°27	21°44	24°55	17°56	13°18	14°36	29°59	11°16	S 23
M24	2 10 36	0♍48'05	1♎33	19°27	1°48	18°37	24° 9	16°33	21°42	24°58	17°55	13°15	14°33	0♍ 5	11°13	M24
T 25	2 14 33	1°47'42	15°55	20°52	3° 3	19°20	24°15	16°39	21°41	25° 0	17°55	13°10	14°30	0°12	11°11	T 25
W26	2 18 29	2°47'19	0♎43	22°16	4°18	20° 4	24°22	16°44	21°40	25° 2	17°55	13° 4	14°27	0°19	11° 9	W26
T 27	2 22 26	3°46'59	15°50	23°40	5°33	20°48	24°29	16°50	21°38	25° 4	17°55	12°58	14°24	0°25	11° 6	T 27
F 28	2 26 22	4°46'41	1♎ 7	25° 2	6°48	21°32	24°36	16°56	21°37	25° 6	17°55	12°52	14°20	0°32	11° 4	F 28
S 29	2 30 19	5°46'24	16°23	26°24	8° 4	22°16	24°43	17° 2	21°35	25° 9	17°55	12°48	14°17	0°39	11° 1	S 29
S 30	2 34 15	6°46'10	1♎27	27°45	9°19	23° 0	24°51	17° 8	21°34	25°11	17°55	12°46	14°14	0°46	10°58	S 30
M31	2 38 12	7♍45'58	16♎12	29♍ 5	10♍34	23♎44	24♎58	17♎14	21♎32	25♎13	17°D55	12°D46	14♎11	0♍52	10♎56	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	3s13	11n19	3s 1	4s24	0n55	0n 5	1n25	21s37	1s 3	22s 1	0s28	21s 7	1n25	23n13	0n 3	S 1
S 2	3 36	16 40	1 52	5 10	0 48	0s25	1 25	21 46	1 4	22 0	0 28	21 8	1 25	23 13	0 3	S 2
M 3	3 59	20 55	0 38	5 55	0 42	0 55	1 24	21 54	1 4	22 0	0 28	21 9	1 24	23 13	0 3	M 3
T 4	4 22	23 46	0n37	6 40	0 36	1 25	1 24	22 2	1 4	21 59	0 28	21 9	1 24	23 13	0 3	T 4
W 5	4 45	25 6	1 48	7 24	0 29	1 55	1 23	22 10	1 5	21 59	0 28	21 10	1 24	23 13	0 3	W 5
T 6	5 8	24 56	2 51	8 8	0 22	2 25	1 23	22 18	1 5	21 58	0 28	21 11	1 24	23 13	0 3	T 6
F 7	5 31	23 25	3 44	8 51	0 15	2 55	1 22	22 26	1 6	21 58	0 28	21 11	1 24	23 13	0 3	F 7
S 8	5 53	20 44	4 24	9 33	0 8	3 25	1 21	22 34	1 6	21 57	0 28	21 12	1 23	23 13	0 3	S 8
S 9	6 16	17 9	4 50	10 15	0 2	3 55	1 20	22 41	1 6	21 56	0 28	21 13	1 23	23 13	0 3	S 9
M10	6 39	12 54	5 3	10 56	0s 6	4 24	1 20	22 48	1 7	21 56	0 28	21 13	1 23	23 13	0 3	M10
T 11	7 1	8 11	5 2	11 36	0 13	4 54	1 19	22 55	1 7	21 55	0 28	21 14	1 23	23 13	0 3	T 11
W12	7 24	3 12	4 48	12 16	0 20	5 24	1 18	23 2	1 7	21 54	0 28	21 15	1 23	23 13	0 3	W12
T 13	7 46	1s52	4 21	12 55	0 27	5 53	1 17	23 8	1 8	21 54	0 28	21 15	1 23	23 13	0 3	T 13
F 14	8 9	6 51	3 43	13 33	0 34	6 23	1 16	23 14	1 8	21 53	0 28	21 16	1 22	23 13	0 3	F 14
S 15	8 31	11 35	2 55	14 11	0 41	6 52	1 14	23 21	1 8	21 52	0 29	21 17	1 22	23 13	0 3	S 15
S 16	8 53	15 54	2 0	14 47	0 48	7 21	1 13	23 26	1 9	21 51	0 29	21 17	1 22	23 13	0 3	S 16
M17	9 15	19 37	0 59	15 23	0 55	7 50	1 12	23 32	1 9	21 50	0 29	21 18	1 22	23 12	0 3	M17
T 18	9 37	22 33	0s 5	15 58	1 2	8 19	1 11	23 38	1 9	21 49	0 29	21 19	1 22	23 12	0 3	T 18
W19	9 58	24 31	1 10	16 33	1 8	8 47	1 9	23 43	1 10	21 48	0 29	21 19	1 22	23 12	0 3	W19
T 20	10 20	25 20	2 13	17 6	1 15	9 16	1 8	23 48	1 10	21 48	0 29	21 20	1 22	23 12	0 3	T 20
F 21	10 41	24 52	3 11	17 39	1 22	9 44	1 6	23 53	1 10	21 46	0 29	21 21	1 21	23 12	0 3	F 21
S 22	11 2	23 4	4 1	18 10	1 28	10 12	1 5	23 57	1 11	21 45	0 29	21 22	1 21	23 12	0 3	S 22
S 23	11 23	19 57	4 40	18 41	1 35	10 40	1 3	24 2	1 11	21 44	0 29	21 22	1 21	23 12	0 3	S 23
M24	11 44	15 38	5 4	19 11	1 41	11 7	1 2	24 6	1 11	21 43	0 29	21 23	1 21	23 12	0 3	M24
T 25	12 5	10 18	5 10	19 40	1 47	11 34	1 0	24 10	1 11	21 42	0 29	21 24	1 21	23 12	0 3	T 25
W26	12 25	4 14	4 55	20 8	1 53	12 1	0 58	24 13	1 12	21 41	0 29	21 24	1 21	23 12	0 3	W26
T 27	12 46	2n12	4 21	20 34	1 59	12 28	0 57	24 17	1 12	21 40	0 29	21 25	1 20	23 12	0 3	T 27
F 28	13 6	8 36	3 27	21 0	2 4	12 54	0 55	24 20	1 12	21 39	0 29	21 26	1 20	23 12	0 3	F 28
S 29	13 26	14 30	2 19	21 25	2 9	13 20	0 53	24 23	1 12	21 37	0 29	21 27	1 20	23 12	0 3	S 29
S 30	13 45	19 25	1 1	21 49	2 14	13 46	0 51	24 25	1 12	21 36	0 29	21 27	1 20	23 12	0 3	S 30
M31	14s 5	23n 0	0n19	22s11	2s19	14s11	0n49	24s28	1s13	21s35	0s29	21s28	1n20	23n11	0n 3	M31

Julian Day Number = 2554451.5, Delta T = 266.64 sec
 Ecliptic obliquity = 23°24'12, Nutation = - 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°40'42, Lahiri = 27°47'43

ASTRODIENST EPHEMERIS for the year 2281
geocentric

NOVEMBER 2281

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 42 8	8♍45'48	0♊33	0♊23	11♍49	24♊28	25♊6	17♊20	21°R30	25♊15	17♊55	12♊47	14♊8	0♍59	10°R53	T 1
W 2	2 46 5	9°45'40	14°25	1°40	13°4	25°12	25°14	17°26	21♊29	25°17	17°55	12°48	14°4	1°6	10♊50	W 2
T 3	2 50 2	10°45'34	27°51	2°56	14°19	25°56	25°21	17°32	21°27	25°20	17°55	12°50	14°1	1°12	10°48	T 3
F 4	2 53 58	11°45'30	10♊52	4°11	15°34	26°41	25°30	17°38	21°25	25°22	17°55	12°R50	13°58	1°19	10°45	F 4
S 5	2 57 55	12°45'29	23°32	5°24	16°50	27°25	25°38	17°44	21°23	25°24	17°55	12°50	13°55	1°26	10°42	S 5
S 6	3 1 51	13°45'30	5♉55	6°35	18°5	28°9	25°46	17°50	21°22	25°26	17°55	12°48	13°52	1°32	10°39	S 6
M 7	3 5 48	14°45'33	18°4	7°44	19°20	28°54	25°55	17°57	21°20	25°28	17°55	12°45	13°49	1°39	10°36	M 7
T 8	3 9 44	15°45'37	0♊4	8°51	20°35	29°39	26°3	18°3	21°18	25°30	17°56	12°40	13°45	1°46	10°33	T 8
W 9	3 13 41	16°45'44	11°58	9°55	21°50	0♊23	26°12	18°9	21°16	25°32	17°56	12°36	13°42	1°52	10°30	W 9
T 10	3 17 37	17°45'53	23°48	10°57	23°5	1°8	26°21	18°16	21°14	25°35	17°56	12°31	13°39	1°59	10°27	T 10
F 11	3 21 34	18°46'04	5♍37	11°56	24°21	1°53	26°30	18°22	21°12	25°37	17°56	12°27	13°36	2°6	10°24	F 11
S 12	3 25 31	19°46'17	17°28	12°51	25°36	2°38	26°39	18°29	21°10	25°39	17°57	12°24	13°33	2°12	10°21	S 12
S 13	3 29 27	20°46'31	29°21	13°43	26°51	3°23	26°48	18°35	21°8	25°41	17°57	12°22	13°30	2°19	10°17	S 13
M14	3 33 24	21°46'47	11♊20	14°30	28°6	4°8	26°58	18°42	21°6	25°43	17°57	12°D22	13°26	2°26	10°14	M14
T 15	3 37 20	22°47'05	23°25	15°12	29°22	4°53	27°7	18°48	21°4	25°45	17°58	12°22	13°23	2°32	10°11	T 15
W16	3 41 17	23°47'25	5♊40	15°50	0♊37	5°38	27°17	18°55	21°1	25°47	17°58	12°23	13°20	2°39	10°8	W16
T 17	3 45 13	24°47'46	18°7	16°21	1°52	6°23	27°27	19°2	20°59	25°49	17°59	12°25	13°17	2°46	10°5	T 17
F 18	3 49 10	25°48'08	0♊49	16°45	3°7	7°8	27°36	19°8	20°57	25°51	17°59	12°26	13°14	2°52	10°1	F 18
S 19	3 53 6	26°48'32	13°48	17°2	4°22	7°54	27°46	19°15	20°55	25°53	18°0	12°27	13°10	2°59	9°58	S 19
S 20	3 57 3	27°48'57	27°9	17°11	5°38	8°39	27°57	19°22	20°52	25°55	18°0	12°R27	13°7	3°6	9°55	S 20
M21	4 1 0	28°49'24	10♊52	17°R11	6°53	9°25	28°7	19°29	20°50	25°57	18°1	12°27	13°4	3°12	9°51	M21
T 22	4 4 56	29°49'51	24°59	17°2	8°8	10°10	28°17	19°35	20°48	25°59	18°1	12°26	13°1	3°19	9°48	T 22
W23	4 8 53	0♊50'20	9°R29	16°42	9°23	10°56	28°27	19°42	20°46	26°1	18°2	12°25	12°58	3°26	9°45	W23
T 24	4 12 49	1°50'50	24°17	16°12	10°39	11°41	28°38	19°49	20°43	26°3	18°2	12°24	12°55	3°33	9°41	T 24
F 25	4 16 46	2°51'22	9♊17	15°32	11°54	12°27	28°49	19°56	20°41	26°5	18°3	12°22	12°51	3°39	9°38	F 25
S 26	4 20 42	3°51'55	24°22	14°41	13°9	13°13	28°59	20°3	20°38	26°6	18°4	12°22	12°48	3°46	9°34	S 26
S 27	4 24 39	4°52'29	9♊22	13°41	14°24	13°58	29°10	20°10	20°36	26°8	18°5	12°D21	12°45	3°53	9°31	S 27
M28	4 28 35	5°53'05	24°9	12°32	15°40	14°44	29°21	20°17	20°34	26°10	18°5	12°21	12°42	3°59	9°27	M28
T 29	4 32 32	6°53'43	8♊36	11°16	16°55	15°30	29°32	20°24	20°31	26°12	18°6	12°22	12°39	4°6	9°24	T 29
W30	4 36 29	7♊54'22	22♊38	9♊56	18♊10	16♊16	29♊43	20♊31	20♊29	26♊14	18♊7	12♊22	12♊36	4♍13	9♊21	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s24	25n 0	1n36	22s33	2s24	14s37	0n47	24s30	1s13	21s33	0s29	21s29	1n20	23n11	0n 3	8s17	1n35	22s36	7s32	22n18	22n28	8s30	17n13	4s52	
W 2	14 43	25 21	2 44	22 53	2 28	15 1	0 45	24 32	1 13	21 32	0 29	21 29	1 20	23 11	0 3	8 17	1 35	22 36	7 32	22 18	22 27	8 32	17 13	4 52	
T 3	15 2	24 11	3 42	23 12	2 32	15 26	0 43	24 34	1 13	21 30	0 29	21 30	1 20	23 11	0 4	8 18	1 35	22 36	7 32	22 18	22 27	8 35	17 12	4 53	
F 4	15 20	21 44	4 26	23 30	2 36	15 49	0 41	24 35	1 13	21 29	0 29	21 31	1 19	23 11	0 4	8 19	1 35	22 36	7 32	22 18	22 27	8 38	17 11	4 53	
S 5	15 39	18 18	4 56	23 46	2 39	16 13	0 39	24 36	1 14	21 28	0 29	21 31	1 19	23 11	0 4	8 20	1 35	22 36	7 32	22 18	22 26	8 41	17 11	4 53	
S 6	15 57	14 9	5 11	24 2	2 41	16 36	0 37	24 37	1 14	21 26	0 29	21 32	1 19	23 11	0 4	8 21	1 35	22 36	7 32	22 18	22 26	8 44	17 10	4 54	
M 7	16 14	9 29	5 12	24 16	2 44	16 59	0 35	24 38	1 14	21 24	0 29	21 33	1 19	23 11	0 4	8 21	1 35	22 35	7 32	22 18	22 25	8 47	17 9	4 54	
T 8	16 32	4 33	4 59	24 28	2 46	17 21	0 32	24 38	1 14	21 23	0 29	21 33	1 19	23 11	0 4	8 22	1 35	22 35	7 32	22 17	22 25	8 50	17 9	4 54	
W 9	16 49	0s32	4 33	24 39	2 47	17 43	0 30	24 38	1 14	21 21	0 29	21 34	1 19	23 11	0 4	8 23	1 35	22 35	7 31	22 16	22 25	8 53	17 8	4 54	
T 10	17 6	5 34	3 56	24 49	2 47	18 4	0 28	24 38	1 14	21 20	0 29	21 35	1 19	23 10	0 4	8 24	1 35	22 35	7 31	22 16	22 24	8 56	17 7	4 55	
F 11	17 23	10 25	3 9	24 57	2 47	18 25	0 26	24 38	1 14	21 18	0 29	21 36	1 19	23 10	0 4	8 24	1 35	22 34	7 31	22 15	22 24	8 59	17 7	4 55	
S 12	17 39	14 53	2 13	25 4	2 47	18 45	0 23	24 37	1 15	21 16	0 29	21 36	1 18	23 10	0 4	8 25	1 35	22 34	7 31	22 15	22 23	9 1	17 6	4 55	
S 13	17 55	18 49	1 11	25 9	2 45	19 5	0 21	24 36	1 15	21 14	0 29	21 37	1 18	23 10	0 4	8 26	1 36	22 34	7 31	22 15	22 23	9 4	17 5	4 55	
M14	18 11	22 1	0 6	25 12	2 43	19 24	0 19	24 35	1 15	21 13	0 29	21 38	1 18	23 10	0 4	8 26	1 36	22 34	7 31	22 15	22 23	9 7	17 5	4 56	
T 15	18 26	24 15	1s 1	25 14	2 40	19 43	0 16	24 34	1 15	21 11	0 29	21 38	1 18	23 10	0 4	8 27	1 36	22 34	7 31	22 15	22 22	9 10	17 4	4 56	
W16	18 42	25 22	2 5	25 14	2 36	20 1	0 14	24 32	1 15	21 9	0 29	21 39	1 18	23 10	0 4	8 28	1 36	22 33	7 30	22 15	22 22	9 13	17 3	4 56	
T 17	18 56	25 14	3 5	25 12	2 30	20 19	0 12	24 30	1 15	21 7	0 29	21 39	1 18	23 10	0 4	8 29	1 36	22 33	7 30	22 15	22 22	9 16	17 3	4 56	
F 18	19 11	23 48	3 57	25 8	2 24	20 36	0 9	24 28	1 15	21 5	0 29	21 40	1 18	23 9	0 4	8 29	1 36	22 33	7 30	22 15	22 21	9 19	17 2	4 56	
S 19	19 25	21 6	4 38	25 2	2 16	20 52	0 7	24 25	1 15	21 3	0 29	21 41	1 18	23 9	0 4	8 30	1 36	22 32	7 30	22 15	22 21	9 22	17 1	4 57	
S 20	19 39	17 13	5 6	24 53	2 7	21 8	0 4	24 22	1 15	21 1	0 29	21 41	1 18	23 9	0 4	8 31	1 36	22 32	7 30	22 15	22 20	9 25	17 1	4 57	
M21	19 52	12 22	5 17	24 43	1 56	21 24	0 2	24 19	1 15	20 59	0 29	21 42	1 17	23 9	0 4	8 31	1 36	22 32	7 30	22 15	22 20	9 27	17 0	4 57	
T 22	20 5	6 43	5 9	24 30	1 44	21 38	0s 0	24 16	1 15	20 57	0 29	21 43	1 17	23 9	0 4	8 32	1 36	22 32	7 30	22 15	22 20	9 30	16 59	4 57	
W23	20 18	0 35	4 42	24 14	1 30	21 52	0 3	24 12	1 15	20 55	0 29	21 43	1 17	23 9	0 4	8 33	1 36	22 31	7 29	22 15	22 19	9 33	16 59	4 57	
T 24	20 30	5n44	3 56	23 56	1 15	22 6	0 5	24 8	1 15	20 53	0 29	21 44	1 17	23 8	0 4	8 33	1 36	22 31	7 29	22 15	22 19	9 36	16 58	4 57	
F 25	20 42	11 49	2 53	23 35	0 59	22 19	0 8	24 4	1 15	20 51	0 29	21 45	1 17	23 8	0 4	8 34	1 36	22 31	7 29	22 15	22 18	9 39	16 57	4 57	
S 26	20 53	17 15	1 38	23 12	0 41	22 31	0 10	24 0	1 15	20 49	0 29	21 45	1 17	23 8	0 4	8 35	1 36	22 30	7 29	22 15	22 18	9 42	16 57	4 58	
S 27	21 5	21 33	0 17	22 46	0 21	22 42	0 13	23 55	1 15	20 46	0 29	21 46	1 17	23 8	0 4	8 35	1 36	22 30	7 29	22 15	22 18	9 45	16 56	4 58	
M28	21 15	24 21	1n 5	22 17	0 1	22 53	0 15	23 50	1 15	20 44	0 29	21 46	1 17	23 8	0 4	8 36	1 36	22 29	7 29	22 15	22 17	9 48	16 56	4 58	
T 29	21 26	25 28	2 21	21 47	0n19	23 3	0 17	23 45	1 15	20 42	0 30	21 47	1 17	23 8	0 4	8 36	1 36	22 29	7 29	22 15	22 17	9 50	16 55	4 58	
W30	21s36	24n53	3n26	21s15	0n40	23s12	0s20	24s10	1s15	20s40	0s30	21s47	1n17	23n 8	0n 4	8s37	1n36	22s29	7s29	22n15	22n16	9s53	16n54	4s58	

ASTRODIENST EPHEMERIS for the year 2281
geocentric

DECEMBER 2281

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 40 25	8♌55'02	6♏14	8♌R34	19♌25	17♌2	29♌55	20♌38	20♌R26	26♌16	18♌8	12♌II32	12♌II32	4♌19	9♌R17	T 1
F 2	4 44 22	9♌55'44	19°23	7♌12	20°40	17°48	0♌6	20°45	20♌II24	26°17	18°8	12°23	12°29	4°26	9♌II14	F 2
S 3	4 48 18	10°56'28	2♌9	5°54	21°56	18°34	0°17	20°52	20°21	26°19	18°9	12°23	12°26	4°33	9°10	S 3
S 4	4 52 15	11°57'13	14°34	4°42	23°11	19°20	0°29	20°59	20°19	26°21	18°10	12°23	12°23	4°39	9°7	S 4
M 5	4 56 11	12°57'59	26°43	3°38	24°26	20°6	0°41	21°6	20°16	26°22	18°11	12°23	12°20	4°46	9°3	M 5
T 6	5 0 8	13°58'47	8♌41	2°44	25°41	20°53	0°52	21°13	20°14	26°24	18°12	12°23	12°16	4°53	9°0	T 6
W 7	5 4 4	14°59'37	20°33	2°1	26°57	21°39	1°4	21°20	20°11	26°26	18°13	12°23	12°13	4°59	8°56	W 7
T 8	5 8 1	16°0'28	2♌21	1°29	28°12	22°25	1°16	21°27	20°9	26°27	18°14	12°24	12°10	5°6	8°53	T 8
F 9	5 11 58	17°1'20	14°11	1°9	29°27	23°12	1°28	21°34	20°6	26°29	18°15	12°24	12°7	5°13	8°50	F 9
S 10	5 15 54	18°2'13	26°5	1°D 0	0♌42	23°58	1°40	21°41	20°3	26°30	18°16	12°25	12°4	5°19	8°46	S 10
S 11	5 19 51	19°3'08	8♌6	1°1	1°58	24°44	1°52	21°48	20°1	26°32	18°17	12°R25	12°1	5°26	8°43	S 11
M12	5 23 47	20°4'04	20°15	1°13	3°13	25°31	2°4	21°55	19°58	26°33	18°18	12°25	11°57	5°33	8°39	M12
T 13	5 27 44	21°5'01	2♌36	1°33	4°28	26°17	2°17	22°2	19°56	26°35	18°19	12°25	11°54	5°39	8°36	T 13
W14	5 31 40	22°5'58	15°7	2°2	5°43	27°4	2°29	22°9	19°53	26°36	18°20	12°24	11°51	5°46	8°33	W14
T 15	5 35 37	23°6'57	27°52	2°39	6°59	27°51	2°41	22°16	19°51	26°38	18°22	12°22	11°48	5°53	8°29	T 15
F 16	5 39 34	24°7'56	10♌49	3°22	8°14	28°37	2°54	22°23	19°48	26°39	18°23	12°21	11°45	5°59	8°26	F 16
S 17	5 43 30	25°8'56	24°1	4°11	9°29	29°24	3°7	22°31	19°46	26°41	18°24	12°19	11°42	6°6	8°23	S 17
S 18	5 47 27	26°9'56	7♌28	5°5	10°44	0♌11	3°19	22°38	19°43	26°42	18°25	12°18	11°38	6°13	8°19	S 18
M19	5 51 23	27°10'57	21°9	6°4	12°0	0°57	3°32	22°45	19°41	26°43	18°26	12°D17	11°35	6°19	8°16	M19
T 20	5 55 20	28°11'58	5♌9	7°6	13°15	1°44	3°45	22°52	19°38	26°45	18°28	12°17	11°32	6°26	8°13	T 20
W21	5 59 16	29°13'00	19°18	8°12	14°30	2°31	3°58	22°59	19°36	26°46	18°29	12°18	11°29	6°33	8°10	W21
T 22	6 3 13	0♌14'02	3♌42	9°22	15°45	3°18	4°10	23°6	19°33	26°47	18°30	12°19	11°26	6°39	8°7	T 22
F 23	6 7 9	1°15'04	18°16	10°33	17°0	4°5	4°23	23°13	19°31	26°48	18°32	12°20	11°22	6°46	8°4	F 23
S 24	6 11 6	2°16'07	2♌55	11°47	18°16	4°52	4°36	23°20	19°28	26°49	18°33	12°21	11°19	6°53	8°1	S 24
S 25	6 15 3	3°17'10	17°34	13°4	19°31	5°39	4°49	23°27	19°26	26°51	18°34	12°R21	11°16	6°59	7°58	S 25
M26	6 18 59	4°18'14	2♌5	14°22	20°46	6°25	5°3	23°34	19°23	26°52	18°36	12°20	11°13	7°6	7°55	M26
T 27	6 22 56	5°19'19	16°24	15°41	22°1	7°12	5°16	23°41	19°21	26°53	18°37	12°18	11°10	7°13	7°52	T 27
W28	6 26 52	6°20'23	0♌24	17°2	23°16	7°59	5°29	23°48	19°18	26°54	18°39	12°15	11°7	7°19	7°49	W28
T 29	6 30 49	7°21'29	14°2	18°24	24°31	8°46	5°42	23°55	19°16	26°55	18°40	12°11	11°3	7°26	7°46	T 29
F 30	6 34 45	8°22'35	27°16	19°47	25°46	9°34	5°56	24°2	19°14	26°56	18°41	12°7	11°0	7°33	7°43	F 30
S 31	6 38 42	9♌23'41	10♌7	21♌11	27♌2	10♌21	6♌9	24♌9	19♌II11	26♌57	18♌43	12♌II3	10♌II57	7♌39	7♌II40	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
T 1	21s45	22n50	4n17	20s43	0n59	23s21	0s22	23s34	1s15	20s37	0s30	21s48	1n17	23n 7	0n 4	8s38	1n36	22s28	7s28	22n15	22n16	9s56	16n54	4s58										
F 2	21 54	19 37	4 53	20 11	1 18	23 29	0 25	23 28	1 15	20 35	0 30	21 49	1 16	23 7	0 4	8 38	1 36	22 28	7 28	22 15	22 16	9 59	16 53	4 58										
S 3	22 3	15 33	5 13	19 41	1 36	23 36	0 27	23 22	1 15	20 32	0 30	21 49	1 16	23 7	0 4	8 39	1 36	22 28	7 28	22 15	22 15	10 2	16 52	4 58										
S 4	22 11	10 57	5 17	19 13	1 52	23 43	0 29	23 15	1 15	20 30	0 30	21 50	1 16	23 7	0 4	8 39	1 36	22 27	7 28	22 15	22 15	10 5	16 52	4 58										
M 5	22 19	6 1	5 8	18 48	2 6	23 49	0 32	23 8	1 15	20 28	0 30	21 50	1 16	23 7	0 4	8 40	1 36	22 27	7 28	22 15	22 14	10 8	16 51	4 59										
T 6	22 27	0 56	4 45	18 26	2 17	23 54	0 34	23 1	1 15	20 25	0 30	21 51	1 16	23 7	0 4	8 41	1 36	22 26	7 28	22 15	22 14	10 11	16 51	4 59										
W 7	22 34	4s 9	4 10	18 9	2 26	23 58	0 36	22 54	1 15	20 22	0 30	21 51	1 16	23 6	0 4	8 41	1 36	22 26	7 28	22 15	22 13	10 13	16 50	4 59										
T 8	22 40	9 4	3 25	17 55	2 33	24 2	0 39	22 46	1 15	20 20	0 30	21 52	1 16	23 6	0 4	8 42	1 36	22 26	7 28	22 15	22 13	10 16	16 50	4 59										
F 9	22 46	13 40	2 31	17 46	2 39	24 5	0 41	22 38	1 15	20 17	0 30	21 52	1 16	23 6	0 4	8 42	1 36	22 25	7 27	22 15	22 13	10 19	16 49	4 59										
S 10	22 52	17 48	1 30	17 41	2 42	24 7	0 43	22 30	1 15	20 15	0 30	21 53	1 16	23 6	0 4	8 43	1 36	22 25	7 27	22 15	22 12	10 22	16 48	4 59										
S 11	22 57	21 14	0 24	17 40	2 43	24 9	0 45	22 22	1 15	20 12	0 30	21 53	1 16	23 6	0 4	8 43	1 37	22 24	7 27	22 15	22 12	10 25	16 48	4 59										
M12	23 2	23 46	0s43	17 43	2 43	24 9	0 48	22 13	1 14	20 9	0 30	21 54	1 16	23 5	0 4	8 44	1 37	22 24	7 27	22 15	22 11	10 28	16 47	4 59										
T 13	23 6	25 12	1 50	17 48	2 41	24 9	0 50	22 5	1 14	20 7	0 30	21 54	1 16	23 5	0 4	8 44	1 37	22 23	7 27	22 15	22 11	10 31	16 47	4 59										
W14	23 10	25 23	2 52	17 57	2 39	24 9	0 52	21 56	1 14	20 4	0 30	21 55	1 16	23 5	0 4	8 45	1 37	22 23	7 27	22 15	22 11	10 33	16 46	4 59										
T 15	23 13	24 15	3 46	18 7	2 35	24 7	0 54	21 46	1 14	20 1	0 30	21 55	1 16	23 5	0 4	8 45	1 37	22 22	7 27	22 15	22 10	10 36	16 46	4 59										
F 16	23 16	21 49	4 30	18 20	2 31	24 5	0 56	21 37	1 14	19 58	0 30	21 56	1 15	23 5	0 4	8 46	1 37	22 22	7 27	22 14	22 10	10 39	16 45	4 59										
S 17	23 19	18 13	5 1	18 34	2 25	24 2	0 58	21 27	1 14	19 55	0 30	21 56	1 15	23 5	0 4	8 46	1 37	22 21	7 27	22 14	22 9	10 42	16 45	4 59										
S 18	23 21	13 38	5 15	18 50	2 19	23 58	1 0	21 17	1 14	19 52	0 30	21 57	1 15	23 4	0 4	8 46	1 37	22 21	7 27	22 14	22 9	10 45	16 44	4 59										
M19	23 22	8 17	5 13	19 6	2 13	23 54	1 2	21 7	1 13	19 50	0 30	21 57	1 15	23 4	0 4	8 47	1 37	22 21	7 26	22 14	22 8	10 48	16 44	4 59										
T 20	23 23	2 26	4 52	19 23	2 6	23 48	1 4	20 56	1 13	19 47	0 30	21 58	1 15	23 4	0 4	8 47	1 37	22 20	7 26	22 14	22 8	10 51	16 43	4 59										
W21	23 24	3n38	4 13	19 41	1 59	23 42	1 6	20 45	1 13	19 44	0 30	21 58	1 15	23 4	0 4	8 48	1 37	22 20	7 26	22 14	22 8	10 53	16 43	4 59										
T 22	23 24	9 38	3 18	19 59	1 52	23 36	1 8	20 34	1 13	19 41	0 30	21 58	1 15	23 4	0 4	8 48	1 37	22 19	7 26	22 14	22 7	10 56	16 43	4 59										
F 23	23 24	15 10	2 9	20 17	1 44	23 28	1 9	20 23	1 13	19 38	0 30	21 59	1 15	23 3	0 4	8 48	1 37	22 19	7 26	22 14	22 7	10 59	16 42	4 59										
S 24	23 23	19 52	0 52	20 35	1 36	23 20	1 11	20 12	1 12	19 34	0 30	21 59	1 15	23 3	0 4	8 49	1 37	22 18	7 26	22 14	22 6	11 2	16 42	4 59										
S 25	23 22	23 18	0n29	20 52	1 28	23 11	1 13	20 0	1 12	19 31	0 30	22 0	1 15	23 3	0 4	8 49	1 37	22 18	7 26	22 14	22 6	11 5	16 41	4 59										
M26	23 20	25 10	1 47	21 9	1 20	23 2	1 14	19 48	1 12	19 28	0 31	22 0	1 15	23 3	0 4	8 50	1 37	22 17	7 26	22 14	22 5	11 8	16 41	4 59										
T 27	23 18	25 19	2 57	21 26	1 12	22 51	1 16	19 36	1 12	19 25	0 31	22 0	1 15	23 3	0 4	8 50	1 37	22 17	7 26	22 14	22 5	11 11	16 41	4 58										
W28	23 15	23 51	3 54	21 42	1 4	22 40	1 18	19 24	1 12	19 22	0 31	22 1	1 15	23 2	0 4	8 50	1 37	22 16	7 26	22 14	22 4	11 13	16 40	4 58										
T 29	23 12	21 1	4 37	21 58	0 56	22 29	1 19	19 11	1 11	19 19	0 31	22 1	1 15	23 2	0 4	8 51	1 37	22 15	7 26	22 13	22 4	11 16	16 40	4 58										
F 30	23 8	17 9	5 3	22 13	0 48	22 17	1 20	18 58	1 11	19 15	0 31	22 1	1 15	23 2	0 4	8 51	1 38	22 15	7 26	22 13	22 4	11 19	16 39	4 58										
S 31	23s 4	12n36	5n14	22s27	0n40	22s 4	1s22	18s46	1s11	19s12	0s31	22s 2	1n15	23n 2	0n 4	8s51	1n38	22s14	7s26	22n12	22n 3	11s22	16n39	4s58										